VOLUME 2

Washington State Department of Natural Resources

WASHINGTON SCHOOL EPATS & FEMA 154 RVS SUMMARIES

School Seismic Safety Assessments Project

June 2019

PREPARED FOR

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APPENDIX F: EARTHQUAKE PERFORMANCE ASSESSMENT TOOL WORKSHEETS

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Client: Department of Natural Resources
Project: Washington State School Seismic Safety Assessments Project
EPAT Spreadsheets & Summary Results
Project No.: 262018.063

EPAT Spreadsheets Table of Contents & Summary Results

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							Existing Building	Life Safety Retrofit Building	Current Code Building	Existing Building	Life Safety Retrofit Building	Current Code Building	Existing Building	Life Safety Retrofit Building	Current Code Building
1	F-1	11856	17800	Battle Ground, Maple Grove K-8, Gym	W2	1990	20%	6.3%	4.8%	Low	Very Low	Very Low	Green/Yellow	Green	Green
2	F-4	11856	14257	Battle Ground, Maple Grove K-8, Main Building	W2	1990	28%	6.3%	4.8%	Low-Moderate	Very Low	Very Low	Green/Yellow	Green	Green
3	F-7	10719	15523	Battle Ground, Praire High School, 400 Building	W2	1995	12%	9.9%	7.5%	Very Low	Very Low	Very Low	Green/Yellow	Green	Green
4	F-10	10719	11537	Battle Ground, Praire High School, 500 Building	RM1	1979	59%	9.90%	7.50%	High	Very Low	Very Low	Red	Green	Green
5	F-13	10719	10577	Battle Ground, Praire High School, 600 Building	RM1	1979	59%	9.90%	7.50%	High	Very Low	Very Low	Red	Green	Green
6	F-16	12402	11747	Battle Ground, River Homelink, Main Building	W2	1980	33%	6.7%	5.1%	Low-Moderate	Very Low	Very Low	Yellow	Green	Green
7	F-19	10522	23173	Bickleton, Bickleton Elementary and High School, Bldg B - Vocational/Transportation	S3	1961	48%	22%	17%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
8	F-22	10522	23171	Bickleton, Bickleton Elementary and High School, Main Building	RM2	2010	14%	*	*	Very Low			Green/Yellow		
9	F-25	10441	16933	Boistfort, Boistfort Elementary, Gymnasium Building	RM1	1963	79%	16%	13%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
10	F-28	10441	18408	Boistfort, Boistfort Elementary, Main Building	URM	1936	74%	16%	13%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
11	F-31	10031	14601	Burlington-Edison, Edison Elementary School, Original Building	W2	1995	9%	6.4%	4.9%	Very Low	Very Low	Very Low	Green	Green	Green
12	F-34	11833	14197	Camas, Lacamas Heights Elementary School, 100 Pod	RM1	1962	60%	8.1%	6.1%	High	Very Low	Very Low	Red	Green	Green
13	F-37	11833	11253	Camas, Lacamas Heights Elementary School, Multipurpose	RM1	1962	60%	8.1%	6.1%	High	Very Low	Very Low	Red	Green	Green
14	F-40	11220	14296	Camas, Liberty Middle School, Main Building	RM1	1958	60%	8.4%	6.3%	High	Very Low	Very Low	Red	Green	Green
15	F-43	11220	24118	Camas, Liberty Middle School, Music Building	RM1	1970	55%	8.4%	6.3%	High	Very Low	Very Low	Red	Green	Green
16	F-46	10049	10395	Camas, Skyridge Middle School, Main Building	RM2	1995	22%	10%	7.9%	Low	Very Low	Very Low	Yellow	Green	Green
17	F-49	11636	13292	Cape Flattery, Clallam Bay High and Elementary School, Big Gym	W2	1962	70%	17%	14%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
18	F-52	11636	18373	Cape Flattery, Clallam Bay High and Elementary School, Elementary Building	RM1	1962	82%	25%	21%	Very High	Low	Very Low	Red	Green/Yellow	Green/Yellow
19	F-55	11636	11357	Cape Flattery, Clallam Bay High and Elementary School, Elementary Gym	RM1	1980	74%	25%	21%	Very High	Low	Very Low	Red	Green/Yellow	Green/Yellow
20	F-58	11636	18300	Cape Flattery, Clallam Bay High and Elementary School, High School Building	C2a	1972	86%	25%	21%	Very High	Low	Very Low	Red	Green/Yellow	Green/Yellow
21	F-61	11636	18358	Cape Flattery, Clallam Bay High and Elementary School, Shop and Art Building	RM1	1980	74%	25%	21%	Very High	Low	Very Low	Red	Green/Yellow	Green/Yellow
22	F-64	11547	19336	Cape Flattery, Neah Bay Elementary School, Elementary School	RM1	1961	87%	26%	22%	Very High	Low	Low	Red	Green/Yellow	Green/Yellow

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23	F-67	12040	24280	Cape Flattery, Neah Bay Junior/ Senior High School, Neah Bay High School Classroom Building	W2	Phases from 1956 through 1988	65%	18%	14%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
24	F-70	12040	24281	Cape Flattery, Neah Bay Junior/ Senior High School, Neah Bay High School Gym	C2a	1972	87%	26%	22%	Very High	Low	Low	Red	Green/Yellow	Green/Yellow
25	F-73	12040	24282	Cape Flattery, Neah Bay Junior/ Senior High School, Neah Bay High School Shop Building	S3	1972	95%	52%	46%	Very High	Moderate	Low-Moderate	Red	Red	Yellow/Red
26	F-76	12040	12393	Cape Flattery, Neah Bay Junior/ Senior High School, Neah Bay Middle School & Gym	W2	2002	16%	*	*	Very Low			Green		
27	F-79	11248	15411	Carbonado, Carbonado Historical School 19, 1st and 2nd Grade and Special Education Building	S1a	1968	74%	19%	15%	Very High	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
28	F-82	11248	14620	Carbonado, Carbonado Historical School 19, A - Main Building	URM	1929	71%	15%	11%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
29	F-85	11248	11276	Carbonado, Carbonado Historical School 19, B - Community Gym	W2	1936	49%	9.6%	7.5%	Moderate-High	Very Low	Very Low	Red	Green	Green
30	F-88	11248	16857	Carbonado, Carbonado Historical School 19, Computer Lab and Library	W2	1990	22%	9.6%	7.5%	Low	Very Low	Very Low	Green/Yellow	Green	Green
31	F-91	10167	13799	Centerville, Centerville Elementary School, Main Building	URM	1919	27%	14%	10%	Low-Moderate	Very Low	Very Low	Green/Yellow	Green/Yellow	Green/Yellow
32	F-94	12216	13954	Centralia, Edison Elementary School, Main Building	URMa	1918	83%	17%	14%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
33	F-97	11699	11861	Central Kitsap, Ridgetop Junior High, Main	RM2	1986	23%	15%	12%	Low	Very Low	Very Low	Green/Yellow	Green	Green
34	F-100	11745	11534	Central Kitsap, Silver Ridge Elementary, Main	W2	1990	23%	15%	12%	Low	Very Low	Very Low	Green/Yellow	Green	Green
35	F-103	10972	15537	Concrete, Concrete High School, Main Building	W2	1951	38%	5.4%	4.1%	Moderate	Very Low	Very Low	Yellow/Red	Green	Green
36	F-106	10972	18943	Concrete, Concrete High School, Tech Building	RM1	1952	54%	8.3%	6.3%	High	Very Low	Very Low	Red	Green	Green
37	F-109	12307	21078	Concrete, Concrete K-6 School, Gym	W2	1981	16%	5.4%	4.1%	Very Low	Very Low	Very Low	Green/Yellow	Green	Green
38	F-112	12307	17024	Concrete, Concrete K-6 School, Main Building	W2	1981	16%	5.4%	4.1%	Very Low	Very Low	Very Low	Green/Yellow	Green	Green
39	F-115	10975	17331	Cosmopolis, Cosmopolis Elementary School, Auditorium Building	W2	1960	67%	19%	15%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
40	F-118	10975	13714	Cosmopolis, Cosmopolis Elementary School, Gymnasium Building	W2	1969	67%	19%	15%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
41	F-121	10975	17703	Cosmopolis, Cosmopolis Elementary School, Main Building	W2	1960	72%	19%	15%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
42	F-124	10975	16322	Cosmopolis, Cosmopolis Elementary School, Multipurpose Building	W2	1960	67%	19%	15%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
43	F-127	11903	11115	Coupeville, Coupeville Elementary School, Cedar Pod	RM1	1979	40%	20%	16%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
44	F-130	11903	10916	Coupeville, Coupeville Elementary School, Main	RM1	1974	81%	20%	16%	Very High	Low	Very Low	Red	Green/Yellow	Green/Yellow

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45	F-133	11903	12528	Coupeville, Coupeville Elementary School, Multipurpose	RM1	1979	40%	20%	16%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
46	F-136	11136	19984	Coupeville, Coupeville High School, Annex	RM1	1978	40%	20%	16%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
47	F-139	11136	11786	Coupeville, Coupeville High School, Gymnasium	RM1	1991	28%	20%	16%	Low-Moderate	Low	Very Low	Yellow	Green/Yellow	Green/Yellow
48	F-142	10967	10019	Coupeville, Coupeville Middle School, Middle and High School Building	W2	1992	24%	14%	11%	Low	Very Low	Very Low	Green/Yellow	Green	Green
49	F-145	10372	11613	Creston, Creston Junior Senior High School, Creston K-12 School Building	W2	1953	17%	6.8%	4.9%	Low	Very Low	Very Low	Green/Yellow	Green	Green
50	F-148	10754	13321	Darrington, Darrington Elementary School, Main Elementary School	W2	1990	14%	6.9%	5.3%	Very Low	Very Low	Very Low	Green	Green	Green
51	F-151	11118	14923	Darrington, Darrington Senior High School, Darrington High School	W2	1935	44%	6.9%	5.3%	Moderate-High	Very Low	Very Low	Red	Green	Green
52	F-154	11118	24149	Darrington, Darrington Senior High School, Woodshop	RM2	1960	65%	11%	8.1%	High	Very Low	Very Low	Red	Green	Green
53	F-157	12210	21435	Dayton, Dayton High School, Ag Shop	URM	1954	13%	5.7%	3.8%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
54	F-160	12210	21434	Dayton, Dayton High School, Gymnasium	S3	1966	32%	15%	11%	Low-Moderate	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
55	F-163	12210	21433	Dayton, Dayton High School, High School Building	URM	1923	18%	5.7%	3.8%	Low-Moderate	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
56	F-166	12210	21436	Dayton, Dayton High School, Wood Shop	URM	1966	16%	5.7%	3.8%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
57	F-169	11321	16695	Dayton, Dayton K-8 School, Elementary and Middle School Building	URM	1966	16%	5.7%	3.8%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
58	F-172	11381	18037	Dixie, Dixie Elementary School, Main Building	URM	1921	31%	17%	13%	Moderate	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
59	F-175	10494	16974	East Valley (Yakima), East Valley Central Middle School, 6th Grade Building	PC1	1980	34%	20%	15%	Low-Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
60	F-178	10494	13229	East Valley (Yakima), East Valley Central Middle School, 7th - 8th Grade Building	S2	2010	17%	*	*	Low			Green/Yellow		
61	F-181	10494	18947	East Valley (Yakima), East Valley Central Middle School, Computer Lab Building	W2	1996	9%	*	*	Very Low			Green		
62	F-184	10494	14520	East Valley (Yakima), East Valley Central Middle School, Gymnasium Building	PC1	1950	43%	20%	15%	Moderate-High	Low	Very Low	Red	Green/Yellow	Green/Yellow
63	F-187	12530	13907	East Valley (Yakima), East Valley Elementary School, Main Building	RM1	1996	15%	*	*	Very Low			Green/Yellow		
64	F-190	12324	12903	Evaline, Evaline Elementary School, Main Building	URM	1926	57%	15%	12%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
65	F-193	10288	13227	Ferndale, Beach Elementary, Main Building	W2	1919	49%	8.4%	6.4%	Moderate-High	Very Low	Very Low	Red	Green	Green
66	F-196	11714	19656	Fife, Columbia Junior High School, Main Building	RM1	2003	17%	*	*	Very Low			Green/Yellow		

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67	F-199	11822	19844	Fife, Fife High School, Building IV 400 Library	C2	1950	82%	15%	12%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
68	F-202	11822	16375	Fife, Fife High School, Building IX 900 Science	W2	1970	55%	9.7%	7.6%	High	Very Low	Very Low	Red	Green	Green
69	F-205	11822	12911	Fife, Fife High School, Building V 500 Main	W2	1950	55%	9.7%	7.6%	High	Very Low	Very Low	Red	Green	Green
70	F-208	11822	12402	Fife, Fife High School, Building VI 600 Gyms	W2	1956	49%	9.7%	7.6%	Moderate-High	Very Low	Very Low	Red	Green	Green
71	F-211	11822	16347	Fife, Fife High School, Building VII 700 Cafeteria	W2	1963	59%	9.7%	7.6%	High	Very Low	Very Low	Red	Green	Green
72	F-214	11822	14470	Fife, Fife High School, Building VIII 800 Shop	RM1	1963	69%	15%	12%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
73	F-217	10419	10464	Glenwood, Glenwood School, Main Building	RM1	1981	36%	19%	14%	Low-Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
74	F-220	12823	23616	Grand Coulee Dam, Lake Roosevelt K-12, CTE Building	RM1	1955	32%	15%	12%	Low-Moderate	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
75	F-223	12823	23615	Grand Coulee Dam, Lake Roosevelt K-12, Wood Shop	S3	1974	60%	32%	27%	High	Low-Moderate	Low	Red	Yellow/Red	Green/Yellow
76	F-226	12007	17949	Green Mountain, Green Mountain School, Gymnasium	W2	1950	39%	6.5%	4.9%	Moderate	Very Low	Very Low	Yellow/Red	Green	Green
77	F-229	12007	12470	Green Mountain, Green Mountain School, Main Building	URM	1932	45%	9.9%	7.5%	High	Very Low	Very Low	Red	Green	Green
78	F-232	12885	24193	Harrington, Harrington Elementary & High School, Main Building	URM	1936	13%	6.0%	4.1%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
79	F-235	12812	23449	Highline, Woodside Site, Annex	S5a	1960	84%	32%	27%	Very High	Low	Low	Red	Yellow	Green/Yellow
80	F-238	12812	23448	Highline, Woodside Site, Main Building	S5a	1958	87%	32%	27%	Very High	Low	Low	Red	Yellow	Green/Yellow
81	F-241	12309	11908	Hoquiam, Hoquiam High School, A-Administration - Lower	C2	1966	89%	29%	24%	Very High	Low	Low	Red	Yellow	Green/Yellow
81	F-244	12309	11908	Hoquiam, Hoquiam High School, A-Administration - Upper	W2	1966	69%	20%	16%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
82	F-247	12309	13049	Hoquiam, Hoquiam High School, B-Science - Lower	C2	1966	93%	29%	24%	Very High	Low	Low	Red	Yellow	Green/Yellow
82	F-250	12309	13049	Hoquiam, Hoquiam High School, B-Science - Upper	W2	1966	82%	20%	16%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
83	F-253	12309	16889	Hoquiam, Hoquiam High School, E-Library	W2	1966	69%	20%	16%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
84	F-256	12309	15751	Hoquiam, Hoquiam High School, H-Gymnasium	RM1	1966	88%	29%	24%	Very High	Low	Low	Red	Yellow	Green/Yellow
85	F-259	12193	15720	Hoquiam, Lincoln Elementary School, Administrative and Library Building	W2	1968	69%	17%	13%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
86	F-262	12193	12912	Hoquiam, Lincoln Elementary School, East Wing	W2	1968	69%	17%	13%	Very High	Very Low	Very Low	Red	Green/Yellow	Green

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87	F-265	12193	15384	Hoquiam, Lincoln Elementary School, Multipurpose Building	W2	1968	69%	17%	13%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
88	F-268	12193	19717	Hoquiam, Lincoln Elementary School, West Wing	W2	1968	69%	17%	13%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
89	F-271	10385	10626	Index, Index Elementary School, Enclosed Covered Play	W2	1997	8%	6.2%	4.7%	Very Low	Very Low	Very Low	Green	Green	Green
90	F-274	10385	14319	Index, Index Elementary School, Main Building	RM1	1954	58%	9.5%	7.2%	High	Very Low	Very Low	Red	Green	Green
91	F-277	10689	17276	Kelso, Carrolls Elementary School, Main Building	RM1	1948	54%	9.3%	7.1%	Very High	Very Low	Very Low	Red	Green	Green
92	F-280	10683	21070	La Conner, La Conner High School, High School Auditorium	URM	1921	75%	16%	13%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
93	F-283	10683	14029	La Conner, La Conner High School, High School Main Building	W2	1974	62%	11%	8.4%	Very High	Very Low	Very Low	Red	Green	Green
94	F-286	11153	13210	La Conner, La Conner Middle School (form. Elem.), Old Auditorium/Cafeteria Bldg	URM	1921	70%	16%	13%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
95	F-289	11569	18567	Longview, R. A. Long High School, Gym	PC1	1927	68%	13%	10%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
96	F-292	11569	14045	Longview, R. A. Long High School, Main Building	URMa	1927	56%	8.4%	6.4%	Very High	Very Low	Very Low	Red	Green	Green
97	F-295	11569	18592	Longview, R. A. Long High School, RA Long Annex	W2	1963	35%	5.5%	4.2%	Low-Moderate	Very Low	Very Low	Yellow	Green	Green
98	F-298	11569	16645	Longview, R. A. Long High School, Science Wing	RM1	1935	55%	8.4%	6.4%	High	Very Low	Very Low	Red	Green	Green
99	F-301	11569	19084	Longview, R. A. Long High School, Shop Bldg	URMa	1942	52%	8.4%	6.4%	High	Very Low	Very Low	Red	Green	Green
100	F-304	12772	22857	Mabton, Mabton Jr/Sr High School, Main Building	RM1	1950	38%	20%	15%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
101	F-307	12772	24210	Mabton, Mabton Jr/Sr High School, Shop/Ag Building	RM1	1980	38%	20%	15%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
102	F-310	11647	13447	Mansfield, Mansfield Elem and High School, Main Building	RM1	1983	17%	8.4%	5.9%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
103	F-313	10616	14493	Marysville, Liberty Elementary School, Main Building	W2	1951	55%	9.8%	7.6%	High	Very Low	Very Low	Red	Green	Green
104	F-316	11698	12492	Marysville, Marysville Middle School, Building B	W2	1960	49%	9.7%	7.6%	Moderate-High	Very Low	Very Low	Red	Green	Green
105	F-319	11698	14481	Marysville, Marysville Middle School, Building C - Shop Classrooms	RM1	1960	69%	15%	12%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
106	F-322	11698	15640	Marysville, Marysville Middle School, Main Building	W2	1960	59%	9.7%	7.6%	High	Very Low	Very Low	Red	Green	Green
107	F-325	11618	14759	Marysville, Totem Middle School, Cafeteria Gym Building	RM2	1958	77%	15%	12%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
108	F-328	11618	133144	Marysville, Totem Middle School, Home Economics Building	RM1	1955	70%	15%	12%	Very High	Very Low	Very Low	Red	Green/Yellow	Green

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109	F-331	11618	19455	Marysville, Totem Middle School, Main Building	RM1	1966	70%	15%	12%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
110	F-334	11618	18479	Marysville, Totem Middle School, School House Cafe	C2a	1955	70%	15%	12%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
111	F-337	11618	13931	Marysville, Totem Middle School, Science Building	RM1	1962	70%	15%	12%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
112	F-340	11419	11424	Methow Valley, Liberty Bell Junior Senior High School, Main Building	RM1	1994	18%	*	*	Low			Green/Yellow		
113	F-343	10620	10546	Methow Valley, Methow Valley Elementary School, Main Building	RM1	1963	39%	21%	16%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
114	F-346	10190	13705	Morton, Morton Elementary School, Gymnasium	W2	1985	27%	8.4%	6.5%	Low	Very Low	Very Low	Green/Yellow	Green	Green
115	F-349	10190	19845	Morton, Morton Elementary School, Main Building	C2a	1930	66%	13%	10.0%	Very High	Very Low	Very Low	Red	Green	Green
116	F-352	11868	12392	Morton, Morton Junior Senior High School, Gymnasium	W2	1957	40%	6.8%	5.2%	Moderate	Very Low	Very Low	Yellow/Red	Green	Green
117	F-355	11868	10961	Morton, Morton Junior Senior High School, Main Building	W2	1957	45%	6.8%	5.2%	Moderate-High	Very Low	Very Low	Red	Green	Green
118	F-358	11868	17363	Morton, Morton Junior Senior High School, Shop	W2	1957	44%	6.8%	5.2%	Moderate	Very Low	Very Low	Yellow/Red	Green	Green
119	F-361	10867	12268	Mount Baker, Mount Baker Junior High School, 200 Building - JHS	W2	1992	13%	8.1%	6.2%	Very Low	Very Low	Very Low	Green	Green	Green
120	F-364	10867	24242	Mount Baker, Mount Baker Junior High School, Pro-Rate Portion of Commons - Building 100	W2	1990	13%	8.1%	6.2%	Very Low	Very Low	Very Low	Green	Green	Green
121	F-367	11955	15592	Mount Baker, Mount Baker Senior High School, 300 North	W2	1980	19%	8.1%	6.2%	Low	Very Low	Very Low	Green/Yellow	Green	Green
122	F-370	11955	12454	Mount Baker, Mount Baker Senior High School, 300 South	W2	1980	19%	8.1%	6.2%	Low	Very Low	Very Low	Green/Yellow	Green	Green
123	F-373	11955	14587	Mount Baker, Mount Baker Senior High School, 700 Building	W2	1992	16%	8.1%	6.2%	Very Low	Very Low	Very Low	Green	Green	Green
124	F-376	11955	11085	Mount Baker, Mount Baker Senior High School, 800 Building (Former Deming Elem.)	W2	1970	48%	8.1%	6.2%	Moderate-High	Very Low	Very Low	Red	Green	Green
125	F-379	11955	15469	Mount Baker, Mount Baker Senior High School, Field House	RM1	1968	65%	12%	9.6%	High	Very Low	Very Low	Red	Green	Green
126	F-382	11955	15937	Mount Baker, Mount Baker Senior High School, Pro-rate Portion of Commons - Bldg 100	W2	1992	13%	8.1%	6.2%	Very Low	Very Low	Very Low	Green	Green	Green
127	F-385	12495	12009	Mount Vernon, Lincoln Elementary School, Main Building	C2	1938	75%	14%	11%	Very High	Very Low	Very Low	Red	Green	Green
128	F-388	12495		Naches Valley, Naches Valley High School, Gym Building	PC1a	1979	41%	31%	25%	Moderate	Low-Moderate	Low	Red	Yellow/Red	Yellow
129	F-391	10868	17680	Naches Valley, Naches Valley High School, Main Building	RM1	1979	37%	24%	19%	Low-Moderate	Low	Low	Red	Green/Yellow	Green/Yellow
130	F-394	10868	15151	Naches Valley, Naches Valley High School, Vocational Building	RM1	1979	37%	24%	19%	Low-Moderate	Low	Low	Red	Green/Yellow	Green/Yellow

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131	F-397	10533	13843	Naches Valley, Naches Valley Middle School, Main Building	RM1	1994	15%	*	*	Low			Green/Yellow		
132	F-400	10923	11366	Newport, Newport High School, Main Building	PC1	1983	19%	9.6%	6.8%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green/Yellow
133	F-403	11715	20660	North Beach, Pacific Beach Elementary School, Gym/Lunchroom	RM1	1956	91%	31%	26%	Very High	Low-Moderate	Low	Red	Yellow	Yellow
134	F-406	11715	12004	North Beach, Pacific Beach Elementary School, Main Building	W2	1956	72%	22%	18%	Very High	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
135	F-409	11715	12053	North Beach, Pacific Beach Elementary School, Quad Building	RM1	1970	87%	31%	26%	Very High	Low-Moderate	Low	Red	Yellow	Yellow
136	F-412	11997	20728	Ocean Beach, Ilwaco High School, Ilwaco High School	W2	1971	36%	29%	24%	Low-Moderate	Low	Low	Yellow/Red	Yellow	Green/Yellow
137	F-415	11997	12323	Ocean Beach, Ilwaco High School, Stadium Complex	RM2	1976	46%	29%	24%	Moderate	Low	Low	Red	Yellow	Green/Yellow
138	F-418	11737	12706	Ocean Beach, Ilwaco (Hilltop) Middle School, Auditorium	C2a	1936	78%	20%	16%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
139	F-421	11737	14919	Ocean Beach, Ilwaco (Hilltop) Middle School, Main Building	C2a	1932	84%	29%	24%	Very High	Low	Low	Red	Yellow	Green/Yellow
140	F-424	12330	19098	Ocean Beach, Long Beach Elementary School, Main Building	W2	1964	78%	20%	16%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
141	F-427	10155	11935	Ocean Beach, Ocean Park Elementary School, Main Building	W2	2005	21%	*	*	Low			Green/Yellow		
142	F-430	12476	20357	Ocosta, Ocosta Elementary School, Primary Addition	RM1	1986	79%	30%	25%	Very High	Low-Moderate	Low	Red	Yellow	Green/Yellow
143	F-433	11919	13146	Ocosta, Ocosta Junior Senior High School, Junior Senior High	RM1	1986	83%	30%	25%	Very High	Low-Moderate	Low	Red	Yellow	Green/Yellow
144	F-436	10516	18565	Oroville, Oroville Elementary School, Main Building	RM1	1954	29%	14%	10%	Low-Moderate	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
145	F-439	11629	15495	Palisades, Palisades Elementary School, Grange Hall	W2	1930	20%	10%	7.7%	Low	Very Low	Very Low	Green/Yellow	Green	Green
146	F-442	11629	15206	Palisades, Palisades Elementary School, Main Building	URM	1923	32%	18%	14%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
147	F-445	11669	12049	Pasco, Edwin Markham Elementary School, Main Building	W2	1962	18%	9.1%	6.8%	Low	Very Low	Very Low	Green/Yellow	Green	Green
148	F-448	11925	10003	Pateros, Pateros K-12 School, Main Building	RM1	1948	39%	21%	16%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
149	F-451	11925	17712	Pateros, Pateros K-12 School, Metal Shop	S2a	1962	42%	23%	18%	Moderate	Low	Very Low	Red	Yellow	Yellow
150	F-454	11925	10259	Pateros, Pateros K-12 School, Music Building	RM1	1958	39%	21%	16%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
151	F-457	11925	12916	Pateros, Pateros K-12 School, Wood Shop	W2	1995	10%	*	*	Very Low			Green/Yellow		
152	F-460	12001	11968	Paterson, Paterson Elementary School, Main Building	RM1	1968	24%	8.4%	5.9%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green

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153	F-463	11703	14120	Port Angeles, Roosevelt Elementary School, Main Building	W2	1978	44%	19%	15%	Moderate	Very Low	Very Low	Red	Green/Yellow	Green
154	F-466	12006	13775	Port Townsend, Port Townsend High School, Gym	URM	1941	74%	20%	16%	Very High	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
155	F-469	12006	18186	Port Townsend, Port Townsend High School, Main Building	URM	1934	79%	20%	16%	Very High	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
156	F-472	12006	10330	Port Townsend, Port Townsend High School, Math Science Annex	URM	1928	79%	20%	16%	Very High	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
157	F-475	12006	14775	Port Townsend, Port Townsend High School, Stuart Building	W2	1952	57%	13%	10%	High	Very Low	Very Low	Red	Green	Green
158	F-478	10055	16592	Puyallup, Maplewood Elementary School, Main Building	URM	1934	71%	14%	11%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
159	F-481	10624	16154	Puyallup, Puyallup High School, Gymnasium and Swimming Pool Building	W2	1958	58%	9.3%	7.2%	High	Very Low	Very Low	Red	Green	Green
160	F-484	10624	19196	Puyallup, Puyallup High School, Library Science Building	W2	1962	63%	9.3%	7.2%	Very High	Very Low	Very Low	Red	Green	Green
161	F-487	10624	15709	Puyallup, Puyallup High School, Main Building	URMa	1927	71%	14%	11%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
162	F-490	12100		Puyallup, Spinning Elementary School, East, West, Special Education Wings	W2	1960 & 1971	54%	11%	8.9%	High	Very Low	Very Low	Red	Green	Green
163	F-493	12100	14564	Puyallup, Spinning Elementary School, Main Building	URMa	1923	76%	17%	14%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
164	F-496	12092	15294	Quilcene, Quilcene High And Elementary School, Elementary	W2	1952	59%	14%	11%	High	Very Low	Very Low	Red	Green	Green
165	F-499	12092	15982	Quilcene, Quilcene High And Elementary School, High School	C2a	1935	78%	21%	17%	Very High	Low	Very Low	Red	Green/Yellow	Green/Yellow
166	F-502	12092	12798	Quilcene, Quilcene High And Elementary School, Middle School	W2	1964	59%	14%	11%	High	Very Low	Very Low	Red	Green	Green
167	F-505	10382	14323	Raymond, Raymond Elementary School, Raymond elementary	C2a	1955	76%	30%	26%	Very High	Very Low	Very Low	Red	Yellow	Yellow
168	F-508	10926	15212	Raymond, Raymond Junior Senior High School, Main Building	W2	1925	56%	16%	13%	High	Very Low	Very Low	Red	Green	Green
169	F-511	11175		Ridgefield, Union Ridge Elementary School, Covered Play Area	W2	1993	9%	6.9%	5.3%	Very Low	Very Low	Very Low	Green	Green	Green
170	F-514	11175	18602	Ridgefield, Union Ridge Elementary School, Main Building	W2	1952	46%	6.9%	5.3%	Moderate-High	Very Low	Very Low	Red	Green	Green
171	F-517	10900	20113	Riverside, Chattaroy Elementary School, 35 Wing Building	URM	1934	27%	11%	8.2%	Moderate	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
172	F-520	10900	14703	Riverside, Chattaroy Elementary School, Main Building	RM1	1987	21%	11%	8.2%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
173	F-523	12362	12448	Royal, Red Rock Elementary School, Main Building	W2	1992	6%	*	*	Very Low			Green		
174	F-526	11889	15534	Royal, Royal High School, A Gymnasium	C3	1965	35%	13%	9.5%	Moderate	Very Low	Very Low	Red	Green/Yellow	Green/Yellow

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175	F-529	11889	16484	Royal, Royal High School, B Main Building	RM1	1965	28%	13%	9.5%	Low-Moderate	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
176	F-532	10671	12746	Royal, Royal Middle School, Main Building	RM1	1991	11%	*	*	Very Low			Green/Yellow		
177	F-535	10186	17116	Shaw Island, Shaw Island School, Admin/RR Building	W2	1952	50%	10%	7.9%	Moderate-High	Very Low	Very Low	Red	Green	Green
178	F-538	10186	18914	Shaw Island, Shaw Island School, Intermediate Classroom Building	W2	1992	14%	10%	7.9%	Very Low	Very Low	Very Low	Green	Green	Green
179	F-541	10186	16507	Shaw Island, Shaw Island School, Primary Classroom Building	W2	1902	50%	10%	7.9%	Moderate-High	Very Low	Very Low	Red	Green	Green
180	F-544	11195	21304	Skykomish, Skykomish School, Main Building	C2	1938	69%	10%	7.8%	Very High	Very Low	Very Low	Red	Green	Green
181	F-547	10373	11955	South Bend, South Bend Jr/Sr High School, Koplitz Field House	RM1	1950	77%	20%	16%	Very High	Low	Very Low	Red	Green/Yellow	Green/Yellow
182	F-550	10373	16963	South Bend, South Bend Jr/Sr High School, Vocational Building	RM1	1954	34%	20%	16%	Low-Moderate	Low	Very Low	Yellow/Red	Green/Yellow	Green/Yellow
183	F-553	10199	13428	South Whidbey, South Whidbey Elementary School, Main Building	W2	1988	37%	15%	12%	Low-Moderate	Very Low	Very Low	Yellow/Red	Green	Green
184	F-556	10486	19951	Spokane, Adams Elementary School, Gym and Cafeteria Building	URM	Unknown	16%	5.8%	4.0%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
185	F-559	10486	19951	Spokane, Adams Elementary School, Main Building	URM	1910	13%	5.8%	4.0%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
186	F-562	12427	19568	Spokane, Audubon Elementary School, Main Building	S2a	1980	18%	6.8%	4.7%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green/Yellow
187	F-565	11231	20029	Spokane, Libby Center, Main Building	URMa	1928	20%	5.9%	4.0%	Low-Moderate	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
188	F-568	11495	18506	Sunnyside, Outlook Elementary School, Outlook Elementary Main Building	W2	1932	12%	11%	8.5%	Very Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
189	F-571	10169	15423	Tacoma, Fern Hill Elementary School, Main Building	URMa	1911	73%	19%	15%	Very High	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
190	F-574	11394	18694	Tacoma, Oakland High School, Main Building	URMa	1911	74%	19%	16%	Very High	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
191	F-577	10818	15170	Taholah, Taholah School, Covered Court	W2	1991	60%	22%	18%	High	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
192	F-580	10818	13517	Taholah, Taholah School, Main Building	W2	1973	76%	22%	18%	Very High	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
193	F-583	10044	21839	Thorp, Thorp Elementary and Junior Senior High School, Brick Building	URM	1935	34%	19%	15%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
194	F-586	10044	21838	Thorp, Thorp Elementary and Junior Senior High School, Thorp Elem/Jr/Sr High School	RM1	1991	27%	*	*	Low-Moderate			Red		
195	F-589	12342	18140	Tonasket, Tonasket Elementary School, Greenhouse	S2a	1995	15%	*	*	Very Low			Green/Yellow		
196	F-592	12342	21131	Tonasket, Tonasket Elementary School, Tonasket Elementary	RM1	1995	13%	*	*	Very Low			Green/Yellow		

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197	F-595	12540	21196	Tonasket, Tonasket Middle-High School, High School/Middle School	RM2	1995	15%	*	*	Very Low			Green/Yellow		
198	F-598	10625	20924	Touchet, Touchet Elementary and High School, CTE Building	URM	1960	24%	12%	8.8%	Low-Moderate	Very Low	Very Low	Green/Yellow	Green/Yellow	Green/Yellow
199	F-601	10625	20922	Touchet, Touchet Elementary and High School, Elementary - Main Building	RM1	1960	36%	12%	8.8%	Low-Moderate	Very Low	Very Low	Red	Green/Yellow	Green/Yellow
200	F-604	10625	20926	Touchet, Touchet Elementary and High School, Secondary Facility	PC1	1975	39%	16%	12%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
201	F-607	10611	14369	Tumwater, Black Lake Elementary School, Building A	W2	1982	31%	14%	11%	Low-Moderate	Very Low	Very Low	Green/Yellow	Green	Green
202	F-610	10611	11452	Tumwater, Black Lake Elementary School, Building B	W2	1982	36%	14%	11%	Low-Moderate	Very Low	Very Low	Yellow/Red	Green	Green
203	F-613	10611	20813	Tumwater, Black Lake Elementary School, Building C	RM1	1984	42%	21%	17%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
204	F-616	10465	20350	Vashon Island, Vashon Island High School, Building D - Gymnasium	RM1	1961	82%	25%	20%	Very High	Low	Very Low	Red	Green/Yellow	Green/Yellow
205	F-619	10465	20352	Vashon Island, Vashon Island High School, Building K - Annex	W2	1963	64%	17%	13%	Very High	Very Low	Very Low	Red	Green/Yellow	Green
206	F-622	10921	24208	Warden, Warden K-12, Cafeteria	RM1	Unknown, Likely After 1960	23%	9.9%	7.1%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
207	F-625	10921	24207	Warden, Warden K-12, Gymnasium	C3a	1900	29%	9.9%	7.1%	Low-Moderate	Very Low	Very Low	Red	Green/Yellow	Green
208	F-628	10921	21956	Warden, Warden K-12, Middle School/High School	W2	Unknown, Likely After 1960	12%	5.5%	4.0%	Very Low	Very Low	Very Low	Green/Yellow	Green	Green
209	F-631	10296	23054	Washougal, Hathaway Elementary School, Main Building	W2	1935 & 1997 Renovation/Seismic Upgrade	10%	5.1%	3.9%	Very Low	Very Low	Very Low	Green	Green	Green
210	F-634	11966	22085	Washtucna, Washtucna Elementary High School, Ag Shop/ Music Room	URM	1956	12%	6.7%	4.6%	Low	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
211	F-637	11966	22084	Washtucna, Washtucna Elementary High School, Main Building	URM	1956	22%	6.7%	4.6%	Low-Moderate	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
212	F-640	11994	17591	White Pass, White Pass Elementary School, Main Building	RM1	1964	70%	13%	10%	Very High	Very Low	Very Low	Red	Green	Green
213	F-643	10854	11003	White Pass, White Pass Junior Senior High School, Main Building	RM1	1964 (Main Gym), 2010 (All other structure)	15%	*	*	Very Low			Green/Yellow		
214	F-646	10734	22348	White Salmon Valley, Columbia High School, C Court - Gym	PC1a	1970	49%	24%	19%	Moderate-High	Low	Low	Red	Yellow	Green/Yellow
215	F-649	10734	22351	White Salmon Valley, Columbia High School, Libray	PC1	1970	49%	24%	19%	Moderate-High	Low	Low	Red	Yellow	Green/Yellow
216	F-652	10734	22349	White Salmon Valley, Columbia High School, Metal /Wood Shop	PC1	1970	43%	24%	19%	Moderate-High	Low	Low	Red	Yellow	Green/Yellow
217	F-655	11511	14661	White Salmon Valley, Hulan L. Whitson Elementary School, Main Building - Concrete	C2	1956	52%	18%	14%	Moderate-High	Low	Very Low	Red	Green/Yellow	Green/Yellow
217	F-658	11511	14661	White Salmon Valley, Hulan L. Whitson Elementary School, Main Building - Masonry	URM	1956	48%	18%	14%	High	Low	Very Low	Red	Green/Yellow	Green/Yellow

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218	F-661	12450	22355	White Salmon Valley, Wayne M. Henkle Middle School, Middle School	RM1	1960	42%	18%	14%	Moderate	Low	Very Low	Red	Green/Yellow	Green/Yellow
219	F-664	10279	10998	Wilson Creek, Wilson Creek K-12, Business Building/Home Ec.	W2	1984	7%	5.3%	3.8%	Very Low	Very Low	Very Low	Green/Yellow	Green	Green
220	F-667	10279	24318	Wilson Creek, Wilson Creek K-12, Gym/Commons	RM1	1997	8%	*	*	Very Low			Green/Yellow		
221	F-670	10279	24204	Wilson Creek, Wilson Creek K-12, Main - Gym & Classrooms	URM	1932	20%	9.5%	6.8%	Low-Moderate	Very Low	Very Low	Green/Yellow	Green/Yellow	Green
222	F-673	10279	22654	Wilson Creek, Wilson Creek K-12, Vo-Ag / Science Bldg	W2	1989	7%	5.3%	3.8%	Very Low	Very Low	Very Low	Green/Yellow	Green	Green

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Battle Ground		
Point of Contact	Kevin Jolma		
Telephone	360-885-6677		
E-Mail	jolma.kevin@battlegroundps.org		
File Name	Battle Ground, Maple Grove K-8, Gym EPAT	**File Date:**	7/5/2018

District	Battle Ground
Facility Name	Maple Grove Primary School
Building Part Name	Gym

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.8%	**Site Class**	D
10% in 50 year PGA	23.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	40.3%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
17,350	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Maple Grove Primary School
Building Name	Gym
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.766992	45.766992	45.766992
Decimal Longitude	-122.544424	-122.544424	-122.544424
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1990		1990
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Battle Ground	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Maple Grove Primary School	
Building Name	Gym	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1990	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	20%	13%	Low	Green/Yellow
Life Safety Retrofit Building	6.3%	1.5%	Very Low	Green
Current Code Building	4.8%	0.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Battle Ground		
Point of Contact	Kevin Jolma		
Telephone	360-885-6677		
E-Mail	jolma.kevin@battlegroundps.org		
File Name	Battle Ground, Maple Grove K-8, Main Building EPAT	**File Date:**	7/5/2018

District	Battle Ground
Facility Name	Maple Grove Primary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.8%	**Site Class**	D
10% in 50 year PGA	23.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	40.3%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
64,693	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Maple Grove Primary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.766992	45.766992	45.766992
Decimal Longitude	-122.544424	-122.544424	-122.544424
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1990		1990
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Battle Ground	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Maple Grove Primary School	
Building Name	Main Building	Low-Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1990	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	28%	21%	Low-Moderate	Green/Yellow
Life Safety Retrofit Building	6.3%	1.5%	Very Low	Green
Current Code Building	4.8%	0.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Battle Ground		
Point of Contact	Kevin Jolma		
Telephone	360-885-6677		
E-Mail	jolma.kevin@battlegroundps.org		
File Name	Battle Ground, Praire, 400 Building EPAT	**File Date:**	10/19/2018

District	Battle Ground
Facility Name	Prairie High School
Building Part Name	400 Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.9%	**Site Class**	D
10% in 50 year PGA	23.7%	**Ground Shaking Hazard**	High
2% in 50 year PGA	40.8%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
25,057	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Prairie High School
Building Name	400 Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.705	45.704811	45.705
Decimal Longitude	-122.555	-122.552806	-122.555
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1979		1979
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Battle Ground	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Prairie High School	
Building Name	400 Building	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1979	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	12%	7.1%	Very Low	Green/Yellow
Life Safety Retrofit Building	9.9%	3.9%	Very Low	Green
Current Code Building	7.5%	2.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Battle Ground		
Point of Contact	Kevin Jolma		
Telephone	360-885-6677		
E-Mail	jolma.kevin@battlegroundps.org		
File Name	Battle Ground, Praire, 500 Building EPAT	**File Date:**	10/19/2018

District	Battle Ground
Facility Name	Prairie High School
Building Part Name	500 Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.9%	**Site Class**	D
10% in 50 year PGA	23.7%	**Ground Shaking Hazard**	High
2% in 50 year PGA	40.8%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
9,052	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Prairie High School
Building Name	500 Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.705	45.704811	45.705
Decimal Longitude	-122.555	-122.552806	-122.555
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1979		1979
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Battle Ground	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Prairie High School	
Building Name	500 Building	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1979	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	15%	9.6%	Very Low	Green/Yellow
Life Safety Retrofit Building	9.9%	3.9%	Very Low	Green
Current Code Building	7.5%	2.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Battle Ground		
Point of Contact	Kevin Jolma		
Telephone	360-885-6677		
E-Mail	jolma.kevin@battlegroundps.org		
File Name	Battle Ground, Prairie, 600 Main Building EPAT	**File Date:**	10/19/2018

District	Battle Ground
Facility Name	Prairie High School
Building Part Name	600 Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.9%	**Site Class**	D
10% in 50 year PGA	23.7%	**Ground Shaking Hazard**	High
2% in 50 year PGA	40.8%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,725	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Prairie High School
Building Name	600 Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.705	45.704811	45.705
Decimal Longitude	-122.555	-122.552806	-122.555
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1979		1979
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Battle Ground	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Prairie High School	
Building Name	600 Main Building	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1979	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	15%	9.6%	Very Low	Green/Yellow
Life Safety Retrofit Building	9.9%	3.9%	Very Low	Green
Current Code Building	7.5%	2.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Battle Ground		
Point of Contact	Kevin Jolma		
Telephone	360-885-6677		
E-Mail	jolma.kevin@battlegroundps.org		
File Name	Battle Ground, Homelink River, Main Building EPAT	**File Date:**	7/5/2018

District	Battle Ground
Facility Name	Homelink River
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.6%	**Site Class**	D
10% in 50 year PGA	23.6%	**Ground Shaking Hazard**	High
2% in 50 year PGA	41.5%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
34,863	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Homelink River
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.595069	45.595069	45.595069
Decimal Longitude	-122.407769	-122.407769	-122.407769
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1980		1980
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Battle Ground	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Homelink River	
Building Name	Main Building	Low-Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1980	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	33%	25%	Low-Moderate	Yellow
Life Safety Retrofit Building	6.7%	1.7%	Very Low	Green
Current Code Building	5.1%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Bickleton		
Point of Contact	Superintendent Tom Whitmore		
Telephone	509-896-5473		
E-Mail	twhitmore@brickletonschools.org		
File Name	Bickleton, Bickleton Elementary and High School, Main Building EPAT	**File Date:**	7/5/2018

District	Bickleton
Facility Name	Bickleton Elementary & High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.3%	**Site Class**	B
10% in 50 year PGA	8.4%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	19.8%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	11%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
39,330	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Bickleton Elementary & High School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.998605	45.998605	45.998605
Decimal Longitude	-120.302622	-120.302622	-120.302622
Site Class (Soil/Rock Type)	B	B	B
Liquefaction Potential	Very Low	N/A (Bedrock)	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms	RM2
Number of Stories (Excluding Basement)***	1		1
Year Built***	2010		2010
Code for Building Design (if known)	IBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	IBC
Design Code Year (if known)	2003-Present		2003-Present
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Bickleton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Bickleton Elementary & High School	
Building Name	Main Building	Very Low

Building Data		
HAZUS Building Type	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms
Year Built	2010	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	2003-Present IBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	11%	Earthquake ground shaking hazard is higher than 11% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	14%	9.8%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Brickleton		
Point of Contact	Superintendent Tom Whitmore		
Telephone	509-896-5473		
E-Mail	twhitmore@bickletonschools.org		
File Name	Brickleton, Brickleton Elementary and High School, Bldg B - Vocational/transportation	**File Date:**	7/5/2018

District	Bickleton
Facility Name	Bickleton Elementary & High School
Building Part Name	Building B - Vocational/Transportation

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.3%	**Site Class**	B
10% in 50 year PGA	8.4%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	19.8%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	11%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
3,672	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Bickleton Elementary & High School
Building Name	Building B - Vocational/Transportation
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.998605	45.998605	45.998605
Decimal Longitude	-120.302622	-120.302622	-120.302622
Site Class (Soil/Rock Type)	B	B	B
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	S3	Steel Light Frame	S3
Number of Stories (Excluding Basement)***	1		1
Year Built***	1961		1961
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Bickleton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Bickleton Elementary & High School	
Building Name	Building B - Vocational/Transportation	Moderate

Building Data

HAZUS Building Type	S3	Steel Light Frame
Year Built	1961	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	11%	Earthquake ground shaking hazard is higher than 11% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	48%	45%	Moderate	Red
Life Safety Retrofit Building	22%	17%	Low	Green/Yellow
Current Code Building	17%	12%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Boistfort		
Point of Contact	Shannon Criss (principal)		
Telephone	360-245-3343		
E-Mail	scriss@boistfort.k12.wa.us		
File Name	Boistfort, Boistfort Elementary, Gymnasium EPAT	**File Date:**	7/5/2018

District	Boistfort
Facility Name	Boistfort Elementary
Building Part Name	Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.4%	**Site Class**	D
10% in 50 year PGA	30.2%	**Ground Shaking Hazard**	High
2% in 50 year PGA	52.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	46%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
14,530	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Boistfort Elementary
Building Name	Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.550176	46.550176	46.550176
Decimal Longitude	-123.133102	-123.133102	-123.133102
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1963		1963
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Boistfort	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Boistfort Elementary	
Building Name	Gymnasium	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1963	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	46%	Earthquake ground shaking hazard is higher than 46% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	79%	79%	Very High	Red
Life Safety Retrofit Building	16%	8.8%	Very Low	Green/Yellow
Current Code Building	13%	5.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Boistfort		
Point of Contact	Shannon Criss (Principal)		
Telephone	360-245-3343		
E-Mail	scriss@boistfort.k12.wa.us		
File Name	Boistfort, Boistfort Elementary, Main Building EPAT	**File Date:**	7/5/2018

District	Boistfort
Facility Name	Boistfort Elementary
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.4%	**Site Class**	D
10% in 50 year PGA	30.2%	**Ground Shaking Hazard**	High
2% in 50 year PGA	52.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	46%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
18,935	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Boistfort Elementary
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.550176	46.550176	46.550176
Decimal Longitude	-123.133102	-123.133102	-123.133102
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1936		1936
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Boistfort	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Boistfort Elementary	
Building Name	Main Building	Very High

Building Data		
HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1936	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	46%	Earthquake ground shaking hazard is higher than 46% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	74%	72%	Very High	Red
Life Safety Retrofit Building	16%	8.8%	Very Low	Green/Yellow
Current Code Building	13%	5.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Burlington-Edison		
Point of Contact	Jeff Drayer		
Telephone	360-757-3311 x1005		
E-Mail			
File Name	Burlington-Edison, Edison Elementary School, Original Building EPAT	**File Date:**	7/5/2018

District	Burlington-Edison
Facility Name	Edison Elementary School
Building Part Name	Original Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	31.4%	**Site Class**	E
10% in 50 year PGA	34.7%	**Ground Shaking Hazard**	High
2% in 50 year PGA	40.6%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	35%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
58,646	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Edison Elementary School
Building Name	Original Building
Building Use	Education, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.561461	48.561461	48.561461
Decimal Longitude	-122.440506	-122.440506	-122.440506
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1995		1995
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Burlington-Edison	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Edison Elementary School	
Building Name	Original Building	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1995	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	35%	Earthquake ground shaking hazard is higher than 35% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	8.7%	3.5%	Very Low	Green
Life Safety Retrofit Building	6.4%	1.5%	Very Low	Green
Current Code Building	4.9%	0.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Camas		
Point of Contact	Heidi Rosenberg		
Telephone	360-335-3000		
E-Mail	heidi.rosenberg@camas.wednet.edu		
File Name	Camas, Lacamas Heights Elementary School, 100 Pod EPAT	**File Date:**	7/5/2018

District	Camas
Facility Name	Lacamas Heights Elementary School
Building Part Name	100 Pod

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	11.7%	**Site Class**	C
10% in 50 year PGA	19.1%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	32%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
8,182	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Lacamas Heights Elementary School
Building Name	100 Pod
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.6128704	45.613072	45.6128704
Decimal Longitude	-122.4032525	-122.403662	-122.4032525
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1958		1958
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Camas	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Lacamas Heights Elementary School	
Building Name	100 Pod	High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1958	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	32%	Earthquake ground shaking hazard is higher than 32% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	60%	58%	High	Red
Life Safety Retrofit Building	8.1%	2.8%	Very Low	Green
Current Code Building	6.1%	1.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Camas		
Point of Contact	Heidi Rosenberg		
Telephone	360-335-3000		
E-Mail	heidi.rosenberg@camas.wednet.edu		
File Name	Camas, Lacamas Heights Elementary School, Multipurpose EPAT	**File Date:**	7/5/2018

District	Camas
Facility Name	Lacamas Heights Elementary School
Building Part Name	Multipurpose

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	11.7%	**Site Class**	C
10% in 50 year PGA	19.1%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	32%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
18,804	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Lacamas Heights Elementary School
Building Name	Multipurpose
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.6128704	45.613072	45.6128704
Decimal Longitude	-122.4032525	-122.403662	-122.4032525
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1958		1958
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Camas	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Lacamas Heights Elementary School	
Building Name	Multipurpose	High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1958	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	32%	Earthquake ground shaking hazard is higher than 32% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	60%	58%	High	Red
Life Safety Retrofit Building	8.1%	2.8%	Very Low	Green
Current Code Building	6.1%	1.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Camas		
Point of Contact	Heidi Rosenberg		
Telephone	360-335-3000		
E-Mail	heidi.rosenberg@camas.wednet.edu		
File Name	Camas, Liberty Middle School, Main Building EPAT	**File Date:**	7/5/2018

District	Camas
Facility Name	Liberty Middle School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	11.7%	**Site Class**	C
10% in 50 year PGA	19.2%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.7%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
109,248	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Liberty Middle School
Building Name	Main Building
Building Use	Education, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.591548	45.591548	45.591548
Decimal Longitude	-122.403204	-122.403204	-122.403204
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1958		1958
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Camas	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Liberty Middle School	
Building Name	Main Building	High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1958	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	60%	59%	High	Red
Life Safety Retrofit Building	8.4%	3.0%	Very Low	Green
Current Code Building	6.3%	1.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Camas		
Point of Contact	Heidi Rosenberg		
Telephone	360-335-3000		
E-Mail	heidi.rosenberg@camas.wednet.edu		
File Name	Camas, Liberty Middle School, Music Building EPAT	**File Date:**	7/5/2018

District	Camas
Facility Name	Liberty Middle School
Building Part Name	Music Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	11.7%	**Site Class**	C
10% in 50 year PGA	19.2%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.7%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,928	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Liberty Middle School
Building Name	Music Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.591548	45.591548	45.591548
Decimal Longitude	-122.403204	-122.403204	-122.403204
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1970		1970
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Camas	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Liberty Middle School	
Building Name	Music Building	High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1970	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	55%	53%	High	Red
Life Safety Retrofit Building	8.4%	3.0%	Very Low	Green
Current Code Building	6.3%	1.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Camas		
Point of Contact	Heidi Rosenberg		
Telephone	360-335-3000		
E-Mail	heidi.rosenberg@camas.wednet.edu		
File Name	Camas, Skyridge Middle School, Main Building EPAT	**File Date:**	7/5/2018

District	Camas
Facility Name	Skyridge Middle School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.7%	**Site Class**	D
10% in 50 year PGA	23.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	41.7%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	35%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
108,198	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Skyridge Middle School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.6156412	45.61556	45.6156412
Decimal Longitude	-122.4476309	-122.448656	-122.4476309
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	2		2
Year Built***	1995		1995
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Camas	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Skyridge Middle School	
Building Name	Main Building	Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1995	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	35%	Earthquake ground shaking hazard is higher than 35% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	22%	16%	Low	Yellow
Life Safety Retrofit Building	10%	4.2%	Very Low	Green
Current Code Building	7.9%	2.5%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Clallam Bay High and Elementary School, Big Gym EPAT	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Clallam Bay High and Elementary School
Building Part Name	Big Gym

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.0%	**Site Class**	D
10% in 50 year PGA	31.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	67.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	80%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
11,909	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Clallam Bay High and Elementary School
Building Name	Big Gym
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.252145	48.252145	48.252145
Decimal Longitude	-124.260058	-124.260058	-124.260058
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1962		1962
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Clallam Bay High and Elementary School	
Building Name	Big Gym	Very High

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1962	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	80%	Earthquake ground shaking hazard is higher than 80% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	70%	67%	Very High	Red
Life Safety Retrofit Building	17%	8.9%	Very Low	Green/Yellow
Current Code Building	14%	5.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Clallam Bay High and Elementary School, Elementary Building	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Clallam Bay High and Elementary School
Building Part Name	Elementary Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.0%	**Site Class**	D
10% in 50 year PGA	31.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	67.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	80%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
5,880	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Clallam Bay High and Elementary School
Building Name	Elementary Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.252145	48.252145	48.252145
Decimal Longitude	-124.260058	-124.260058	-124.260058
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1962		1962
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Clallam Bay High and Elementary School	
Building Name	Elementary Building	Very High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1962	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	80%	Earthquake ground shaking hazard is higher than 80% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	82%	83%	Very High	Red
Life Safety Retrofit Building	25%	17%	Low	Green/Yellow
Current Code Building	21%	12%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Clallam Bay High and Elementary School, Elementary Gym EPAT	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Clallam Bay High and Elementary School
Building Part Name	Elementary Gym

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.0%	**Site Class**	D
10% in 50 year PGA	31.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	67.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	80%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,305	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Clallam Bay High and Elementary School
Building Name	Elementary Gym
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.252145	48.252145	48.252145
Decimal Longitude	-124.260058	-124.260058	-124.260058
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1980		1980
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Clallam Bay High and Elementary School	
Building Name	Elementary Gym	Very High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1980	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	80%	Earthquake ground shaking hazard is higher than 80% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	74%	75%	Very High	Red
Life Safety Retrofit Building	25%	17%	Low	Green/Yellow
Current Code Building	21%	12%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Clallam Bay High and Elementary School, High School Building	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Clallam Bay High and Elementary School
Building Part Name	High School Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.0%	**Site Class**	D
10% in 50 year PGA	31.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	67.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	80%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
27,217	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Clallam Bay High and Elementary School
Building Name	High School Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.252145	48.252145	48.252145
Decimal Longitude	-124.260058	-124.260058	-124.260058
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1972		1972
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Clallam Bay High and Elementary School	
Building Name	High School Building	Very High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1972	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	80%	Earthquake ground shaking hazard is higher than 80% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	86%	87%	Very High	Red
Life Safety Retrofit Building	25%	17%	Low	Green/Yellow
Current Code Building	21%	12%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Clallam Bay High and Elementary School, Shop and Art Building	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Clallam Bay High and Elementary School
Building Part Name	Shop and Art Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.0%	**Site Class**	D
10% in 50 year PGA	31.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	67.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	80%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
6,058	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Clallam Bay High and Elementary School
Building Name	Shop and Art Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.252145	48.252145	48.252145
Decimal Longitude	-124.260058	-124.260058	-124.260058
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1980		1980
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Clallam Bay High and Elementary School	
Building Name	Shop and Art Building	Very High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1980	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	80%	Earthquake ground shaking hazard is higher than 80% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	74%	75%	Very High	Red
Life Safety Retrofit Building	25%	17%	Low	Green/Yellow
Current Code Building	21%	12%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Neah Bay Elementary School, Elementary School EPAT	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Neah Bay Elementary School
Building Part Name	Elementary School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.9%	**Site Class**	D
10% in 50 year PGA	28.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	69.2%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	81%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
17,740	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Neah Bay Elementary School
Building Name	Elementary School
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.363165	48.363165	48.363165
Decimal Longitude	-124.622581	-124.622581	-124.622581
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1961		1961
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Neah Bay Elementary School	
Building Name	Elementary School	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1961	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	81%	Earthquake ground shaking hazard is higher than 81% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	87%	88%	Very High	Red
Life Safety Retrofit Building	26%	18%	Low	Green/Yellow
Current Code Building	22%	13%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Neah Bay Junior Senior High School, Neah Bay High School	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Neah Bay Junior Senior High School
Building Part Name	Neah Bay High School Classroom Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.9%	**Site Class**	D
10% in 50 year PGA	28.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	69.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	81%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
26,463	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Neah Bay Junior Senior High School
Building Name	Neah Bay High School Classroom Building
Building Use	Education

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.36347	48.36347	48.36347
Decimal Longitude	-124.623325	-124.623325	-124.623325
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1976		1976
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1973		1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Neah Bay Junior Senior High School	
Building Name	Neah Bay High School Classroom Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1976	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1973 UBC	
Existing Building Code Level	Low-Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	81%	Earthquake ground shaking hazard is higher than 81% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	65%	61%	Very High	Red
Life Safety Retrofit Building	18%	9.6%	Very Low	Green/Yellow
Current Code Building	14%	6.4%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Neah Bay Junior Senior High School, Neah Bay High School Gym	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Neah Bay Junior Senior High School
Building Part Name	Neah Bay Junior Senior High School Gym

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.9%	**Site Class**	D
10% in 50 year PGA	28.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	69.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	81%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
12,343	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Neah Bay Junior Senior High School
Building Name	Neah Bay Junior Senior High School Gym
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.36347	48.36347	48.36347
Decimal Longitude	-124.623325	-124.623325	-124.623325
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1972		1972
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Neah Bay Junior Senior High School	
Building Name	Neah Bay Junior Senior High School Gym	Very High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1972	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	81%	Earthquake ground shaking hazard is higher than 81% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	87%	88%	Very High	Red
Life Safety Retrofit Building	26%	18%	Low	Green/Yellow
Current Code Building	22%	13%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Neah Bay Junior Senior High School, Neah Bay Junior Senior High	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Neah Bay Junior Senior High School
Building Part Name	Neah Bay Junior Senior High School Shop Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.9%	**Site Class**	D
10% in 50 year PGA	28.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	69.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	81%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
8,081	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Neah Bay Junior Senior High School
Building Name	Neah Bay Junior Senior High School Shop Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.36347	48.36347	48.36347
Decimal Longitude	-124.623325	-124.623325	-124.623325
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	S3	Steel Light Frame	S3
Number of Stories (Excluding Basement)***	1		1
Year Built***	1972		1972
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Neah Bay Junior Senior High School	
Building Name	Neah Bay Junior Senior High School Shop Building	Very High

Building Data

HAZUS Building Type	S3	Steel Light Frame
Year Built	1972	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	81%	Earthquake ground shaking hazard is higher than 81% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	95%	96%	Very High	Red
Life Safety Retrofit Building	52%	47%	Moderate	Red
Current Code Building	46%	40%	Low-Moderate	Yellow/Red

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cape Flattery		
Point of Contact	Michelle Parkin		
Telephone	360-963-2075		
E-Mail	mparkin@cfsd.wednet.edu		
File Name	Cape Flattery, Neah Bay Junior Senior High School, Neah Bay Middle School and	**File Date:**	7/5/2018

District	Cape Flattery
Facility Name	Neah Bay Junior Senior High School
Building Part Name	Neah Bay Middle School and Gym

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.9%	**Site Class**	D
10% in 50 year PGA	28.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	69.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	81%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
14,397	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Neah Bay Junior Senior High School
Building Name	Neah Bay Middle School and Gym
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.36347	48.36347	48.36347
Decimal Longitude	-124.623325	-124.623325	-124.623325
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	2002		2002
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1997		1997
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cape Flattery	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Neah Bay Junior Senior High School	
Building Name	Neah Bay Middle School and Gym	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	2002	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1997 UBC	
Existing Building Code Level	High	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	81%	Earthquake ground shaking hazard is higher than 81% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	16%	8.3%	Very Low	Green
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Carbonado		
Point of Contact	Scott Hubbard		
Telephone	360-829-0121		
E-Mail	shubbard@carbonado.k12.wa.us		
File Name	Carbonado, Carbonado Historical School 19, 1st and 2nd Grade and Special	**File Date:**	7/5/2018

District	Carbonado
Facility Name	Carbonado Historical School 19
Building Part Name	1st and 2nd Grade and Special Education Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.8%	**Site Class**	C
10% in 50 year PGA	28.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.7%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
2,944	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Carbonado Historical School 19
Building Name	1st and 2nd Grade and Special Education Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.081324	47.081324	47.081324
Decimal Longitude	-122.05387	-122.05387	-122.05387
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	S1	Steel Moment Frame	S1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1968		1968
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Carbonado	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Carbonado Historical School 19	
Building Name	1st and 2nd Grade and Special Education Building	Very High

Building Data

HAZUS Building Type	S1	Steel Moment Frame
Year Built	1968	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	74%	73%	Very High	Red
Life Safety Retrofit Building	19%	12%	Very Low	Green/Yellow
Current Code Building	15%	8.3%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Carbonado		
Point of Contact	Scott Hubbard		
Telephone	360-829-0121		
E-Mail	shubbard@carbonado.k12.wa.us		
File Name	Carbonado, Carbonado Historical School 19, A-Main Building EPAT	**File Date:**	7/5/2018

District	Carbonado
Facility Name	Carbonado Historical School 19
Building Part Name	A - Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.8%	**Site Class**	C
10% in 50 year PGA	28.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.7%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
13,425	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Carbonado Historical School 19
Building Name	A - Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.081324	47.081324	47.081324
Decimal Longitude	-122.05387	-122.05387	-122.05387
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1929		1929
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Carbonado	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Carbonado Historical School 19	
Building Name	A - Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1929	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	71%	69%	Very High	Red
Life Safety Retrofit Building	15%	7.5%	Very Low	Green/Yellow
Current Code Building	11%	4.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Carbonado		
Point of Contact	Scott Hubbard		
Telephone	360-829-0121		
E-Mail	shubbard@carbonado.k12.wa.us		
File Name	Carbonado, Carbonado Historical School 19, B Community Gym EPAT	**File Date:**	7/5/2018

District	Carbonado
Facility Name	Carbonado Historical School 19
Building Part Name	B - Community Gym

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.8%	**Site Class**	C
10% in 50 year PGA	28.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.7%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
803	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Carbonado Historical School 19
Building Name	B - Community Gym
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.081324	47.081324	47.081324
Decimal Longitude	-122.05387	-122.05387	-122.05387
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1936		1936
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Carbonado	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Carbonado Historical School 19	
Building Name	B - Community Gym	Moderate-High

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1936	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	49%	43%	Moderate-High	Red
Life Safety Retrofit Building	9.6%	3.3%	Very Low	Green
Current Code Building	7.5%	1.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Carbonado		
Point of Contact	Scott Hubbard		
Telephone	360-829-0121		
E-Mail	shubbard@carbonado.k12.wa.us		
File Name	Carbonado, Carbonado Historical School 19, Computer Lab and Library EPAT	**File Date:**	7/5/2018

District	Carbonado
Facility Name	Carbonado Historical School 19
Building Part Name	Computer Lab and Library

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.8%	**Site Class**	C
10% in 50 year PGA	28.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.7%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
2,289	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Carbonado Historical School 19
Building Name	Computer Lab and Library
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.081324	47.081324	47.081324
Decimal Longitude	-122.05387	-122.05387	-122.05387
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1989		1989
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Carbonado	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Carbonado Historical School 19	
Building Name	Computer Lab and Library	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1989	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	22%	16%	Low	Green/Yellow
Life Safety Retrofit Building	9.6%	3.3%	Very Low	Green
Current Code Building	7.5%	1.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Centerville		
Point of Contact	Kristin Cameron		
Telephone	509-773-4893		
E-Mail	kristin@centervilleschool.org		
File Name	Centerville, Centerville Elementary School, Main Building EPAT	**File Date:**	7/5/2018

District	Centerville
Facility Name	Centerville Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	7.0%	**Site Class**	C
10% in 50 year PGA	10.8%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	23.7%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	9%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
16,188	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Centerville Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.752469	45.752469	45.752469
Decimal Longitude	-121.037071	-121.037071	-121.037071
Site Class (Soil/Rock Type)	C	B	C
Liquefaction Potential	Very Low	N/A (Bedrock)	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1919		1919
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Centerville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Centerville Elementary School	
Building Name	Main Building	Low-Moderate

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1919	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	9%	Earthquake ground shaking hazard is higher than 9% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	27%	23%	Low-Moderate	Green/Yellow
Life Safety Retrofit Building	14%	9.6%	Very Low	Green/Yellow
Current Code Building	10%	6.4%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Central Kitsap		
Point of Contact	Doug Newell		
Telephone	360-662-1655		
E-Mail	DougN@ckschools.org		
File Name	Central Kitsap, Ridgetop Junior High School, Main Building EPAT.xslm	**File Date:**	9/14/2018

District	Central Kitsap
Facility Name	Ridgetop Junior High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	25.4%	**Site Class**	C
10% in 50 year PGA	34.0%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	62.5%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	83%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
121,246	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Ridgetop Junior High School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.658589	47.658631	47.658589
Decimal Longitude	-122.66801	-122.66772	-122.66801
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms	RM2
Number of Stories (Excluding Basement)***	2		2
Year Built***	2003		2003
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Central Kitsap	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Ridgetop Junior High School	
Building Name	Main Building	Low

Building Data

HAZUS Building Type	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms
Year Built	2003	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1997 UBC	
Existing Building Code Level	High	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	83%	Earthquake ground shaking hazard is higher than 83% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	21%	13%	Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Central Kitsap		
Point of Contact	Doug Newell		
Telephone	360-662-1655		
E-Mail	DougN@ckschools.org		
File Name	Central Kitsap, Silver Ridge Elementary School, Main Building EPAT.xslm	**File Date:**	9/14/2018

District	Central Kitsap
Facility Name	Silver Ridge Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	25.4%	**Site Class**	C
10% in 50 year PGA	34.0%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	62.5%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	83%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
49,531	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Silver Ridge Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.658342	47.658387	47.658342
Decimal Longitude	-122.66653	-122.667225	-122.66653
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***			
Year Built***	1990		1990
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Central Kitsap	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Silver Ridge Elementary School	
Building Name	Main Building	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1990	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	83%	Earthquake ground shaking hazard is higher than 83% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	23%	16%	Low	Green/Yellow
Life Safety Retrofit Building	15%	7.1%	Very Low	Green
Current Code Building	12%	4.5%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Centralia		
Point of Contact	Eric Wilson		
Telephone	360-330-7646		
E-Mail	ewilson@centralia.wednet.edu		
File Name	Centralia, Edison Elementary School, Main Building EPAT	**File Date:**	7/5/2018

District	Centralia
Facility Name	Edison Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.1%	**Site Class**	C
10% in 50 year PGA	29.1%	**Ground Shaking Hazard**	High
2% in 50 year PGA	54.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	47%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
31,521	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Edison Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.721921	46.721921	46.721921
Decimal Longitude	-122.959083	-122.959083	-122.959083
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1918		1918
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Centralia	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Edison Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1918	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	47%	Earthquake ground shaking hazard is higher than 47% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	83%	82%	Very High	Red
Life Safety Retrofit Building	17%	9.5%	Very Low	Green/Yellow
Current Code Building	14%	6.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Concrete		
Point of Contact	Wayne Barrett		
Telephone	360-708-0652		
E-Mail	wbarrett@concrete.k12.wa.us		
File Name	Concrete, Concrete High School, Main Building EPAT	**File Date:**	7/5/2018

District	Concrete
Facility Name	Concrete High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	14.3%	**Site Class**	C
10% in 50 year PGA	21.2%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.6%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	31%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
58,216	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Concrete High School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.531193	48.531193	48.531193
Decimal Longitude	-121.759114	-121.759114	-121.759114
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1951		1951
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Concrete	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Concrete High School	
Building Name	Main Building	Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1951	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	31%	Earthquake ground shaking hazard is higher than 31% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	38%	32%	Moderate	Yellow/Red
Life Safety Retrofit Building	5.4%	1.1%	Very Low	Green
Current Code Building	4.1%	0.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Concrete		
Point of Contact	Wayne Barrett		
Telephone	360-708-0652		
E-Mail	wbarrett@concrete.k12.wa.us		
File Name	Concrete, Concrete High School, Tech Building EPAT	**File Date:**	7/5/2018

District	Concrete
Facility Name	Concrete High School
Building Part Name	Tech Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	14.3%	**Site Class**	C
10% in 50 year PGA	21.2%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.6%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	31%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,875	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Concrete High School
Building Name	Tech Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.531193	48.531193	48.531193
Decimal Longitude	-121.759114	-121.759114	-121.759114
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1952		1952
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Concrete	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Concrete High School	
Building Name	Tech Building	High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1952	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	31%	Earthquake ground shaking hazard is higher than 31% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	54%	53%	High	Red
Life Safety Retrofit Building	8.3%	2.9%	Very Low	Green
Current Code Building	6.3%	1.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Concrete		
Point of Contact	Wayne Barrett		
Telephone	360-708-0652		
E-Mail	wbarrett@concrete.k12.wa.us		
File Name	Concrete, Concrete K6 School, Gym EPAT	**File Date:**	7/5/2018

District	Concrete
Facility Name	Concrete Elementary School
Building Part Name	Gym

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	14.3%	**Site Class**	C
10% in 50 year PGA	21.2%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.6%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	30%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
12,264	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Concrete Elementary School
Building Name	Gym
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.532125	48.532125	48.532125
Decimal Longitude	-121.759099	-121.759099	-121.759099
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1981		1981
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Concrete	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Concrete Elementary School	
Building Name	Gym	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1981	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	30%	Earthquake ground shaking hazard is higher than 30% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	16%	9.6%	Very Low	Green/Yellow
Life Safety Retrofit Building	5.4%	1.1%	Very Low	Green
Current Code Building	4.1%	0.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Concrete		
Point of Contact	Wayne Barrett		
Telephone	360-708-0652		
E-Mail	wbarrett@concrete.k12.wa.us		
File Name	Concrete, Concrete K6 School, Main Building EPAT	**File Date:**	7/5/2018

District	Concrete
Facility Name	Concrete Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	14.3%	**Site Class**	C
10% in 50 year PGA	21.2%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.6%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	30%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
32,182	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Concrete Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.532125	48.532125	48.532125
Decimal Longitude	-121.759099	-121.759099	-121.759099
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1981		1981
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Concrete	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Concrete Elementary School	
Building Name	Main Building	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1981	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	30%	Earthquake ground shaking hazard is higher than 30% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	16%	10%	Very Low	Green/Yellow
Life Safety Retrofit Building	5.4%	1.1%	Very Low	Green
Current Code Building	4.1%	0.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cosmopolis		
Point of Contact	Cherie Patterson (Superintedent)		
Telephone	360-532-7181		
E-Mail	cpatterson@cosmopolisschool.com		
File Name	Cosmopolis, Cosmopolis Elementary School, Auditorium Building EPAT	**File Date:**	7/5/2018

District	Cosmopolis
Facility Name	Cosmopolis Elementary School
Building Part Name	Auditorium Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.4%	**Site Class**	D
10% in 50 year PGA	35.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	71.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	92%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,128	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Cosmopolis Elementary School
Building Name	Auditorium Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.952825	46.952825	46.952825
Decimal Longitude	-123.772276	-123.772276	-123.772276
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cosmopolis	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Cosmopolis Elementary School	
Building Name	Auditorium Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	92%	Earthquake ground shaking hazard is higher than 92% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	67%	65%	Very High	Red
Life Safety Retrofit Building	19%	10%	Very Low	Green/Yellow
Current Code Building	15%	7.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cosmopolis		
Point of Contact	Cherie Patterson (Superintendent)		
Telephone	360-532-7181		
E-Mail	cpatterson@cosmopolisschool.com		
File Name	Cosmopolis, Cosmopolis Elementary School, Gymnasium Building EPAT	**File Date:**	7/5/2018

District	Cosmopolis
Facility Name	Cosmopolis Elementary School
Building Part Name	Gymnasium Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.4%	**Site Class**	D
10% in 50 year PGA	35.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	71.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	92%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,743	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Cosmopolis Elementary School
Building Name	Gymnasium Building
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.952825	46.952825	46.952825
Decimal Longitude	-123.772276	-123.772276	-123.772276
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1969		1969
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cosmopolis	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Cosmopolis Elementary School	
Building Name	Gymnasium Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1969	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	92%	Earthquake ground shaking hazard is higher than 92% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	67%	65%	Very High	Red
Life Safety Retrofit Building	19%	10%	Very Low	Green/Yellow
Current Code Building	15%	7.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cosmopolis		
Point of Contact	Cherie Patterson (Superintendent)		
Telephone	360-532-7181		
E-Mail	cpatterson@cosmopolisschool.com		
File Name	Cosmopolis, Cosmopolis Elementary School, Main Building EPAT	**File Date:**	7/5/2018

District	Cosmopolis
Facility Name	Cosmopolis Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.4%	**Site Class**	D
10% in 50 year PGA	35.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	71.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	92%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
30,456		

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Cosmopolis Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.952825	46.952825	46.952825
Decimal Longitude	-123.772276	-123.772276	-123.772276
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cosmopolis	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Cosmopolis Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	92%	Earthquake ground shaking hazard is higher than 92% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	72%	70%	Very High	Red
Life Safety Retrofit Building	19%	10%	Very Low	Green/Yellow
Current Code Building	15%	7.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	
Person(s) Who Entered Data in EPAT:	
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Cosmopolis		
Point of Contact	Cherie Patterson (Superintendent)		
Telephone	360-532-7181		
E-Mail	cpatterson@cosmopolisschool.com		
File Name	Cosmopolis, Cosmopolis Elementary School, Multipurpose Building EPAT	**File Date:**	7/5/2018

District	Cosmopolis
Facility Name	Cosmopolis Elementary School
Building Part Name	Multipurpose Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.4%	**Site Class**	D
10% in 50 year PGA	35.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	71.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	92%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,278	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Cosmopolis Elementary School
Building Name	Multipurpose Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.952825	46.952825	46.952825
Decimal Longitude	-123.772276	-123.772276	-123.772276
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Cosmopolis	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Cosmopolis Elementary School	
Building Name	Multipurpose Building	Very High

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	92%	Earthquake ground shaking hazard is higher than 92% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	67%	65%	Very High	Red
Life Safety Retrofit Building	19%	10%	Very Low	Green/Yellow
Current Code Building	15%	7.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Coupeville		
Point of Contact	Jaime Easton		
Telephone	360-678-2404		
E-Mail	jeaston@coupeville.k12.wa.us		
File Name	Coupeville, Coupeville Elementary School, Cedar Pod EPAT	**File Date:**	7/5/2018

District	Coupeville
Facility Name	Coupeville Elementary School
Building Part Name	Cedar Pod

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	22.6%	**Site Class**	C
10% in 50 year PGA	31.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	58.8%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	89%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,481	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Coupeville Elementary School
Building Name	Cedar Pod
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.211427	48.211427	48.211427
Decimal Longitude	-122.686147	-122.686147	-122.686147
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1979		1979
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Coupeville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Coupeville Elementary School	
Building Name	Cedar Pod	Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1979	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	89%	Earthquake ground shaking hazard is higher than 89% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	40%	36%	Moderate	Red
Life Safety Retrofit Building	20%	12%	Low	Green/Yellow
Current Code Building	16%	8.3%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Coupeville		
Point of Contact	Jaime Easton		
Telephone	360-678-2404		
E-Mail	jeaston@coupeville.k12.wa.us		
File Name	Coupeville, Coupeville Elementary School, Main EPAT	**File Date:**	7/5/2018

District	Coupeville
Facility Name	Coupeville Elementary School
Building Part Name	Main

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	22.6%	**Site Class**	C
10% in 50 year PGA	31.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	58.8%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	89%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
31,835	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Coupeville Elementary School
Building Name	Main
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.211427	48.211427	48.211427
Decimal Longitude	-122.686147	-122.686147	-122.686147
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1974		1974
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Coupeville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Coupeville Elementary School	
Building Name	Main	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1974	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	89%	Earthquake ground shaking hazard is higher than 89% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	81%	82%	Very High	Red
Life Safety Retrofit Building	20%	12%	Low	Green/Yellow
Current Code Building	16%	8.3%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Coupeville		
Point of Contact	Jaime Easton		
Telephone	360-678-2404		
E-Mail	Jeaston@coupeville.k12.wa.us		
File Name	Coupeville, Coupeville Elementary School, Multipurpose EPAT	**File Date:**	7/5/2018

District	Coupeville
Facility Name	Coupeville Elementary School
Building Part Name	Multipurpose

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	22.6%	**Site Class**	C
10% in 50 year PGA	31.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	58.8%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	89%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,808	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Coupeville Elementary School
Building Name	Multipurpose
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.211427	48.211427	48.211427
Decimal Longitude	-122.686147	-122.686147	-122.686147
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1979		1979
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Coupeville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Coupeville Elementary School	
Building Name	Multipurpose	Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1979	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	89%	Earthquake ground shaking hazard is higher than 89% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	40%	36%	Moderate	Red
Life Safety Retrofit Building	20%	12%	Low	Green/Yellow
Current Code Building	16%	8.3%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Coupeville		
Point of Contact	Jaime Easton		
Telephone	360-678-2404		
E-Mail	jeaston@coupeville.k12.wa.us		
File Name	Coupeville, Coupeville High School, Annex EPAT	**File Date:**	7/5/2018

District	Coupeville
Facility Name	Coupeville High School
Building Part Name	Annex

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	26.7%	**Site Class**	D
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	58.9%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	90%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
12,000	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Coupeville High School
Building Name	Annex
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.206599	48.206599	48.206599
Decimal Longitude	-122.68603	-122.68603	-122.68603
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1978		1978
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Coupeville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Coupeville High School	
Building Name	Annex	Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1978	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	90%	Earthquake ground shaking hazard is higher than 90% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	40%	36%	Moderate	Red
Life Safety Retrofit Building	20%	12%	Low	Green/Yellow
Current Code Building	16%	8.4%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Coupeville		
Point of Contact	Jaime Easton		
Telephone	360-678-2404		
E-Mail	jeaston@coupeville.k12.wa.us		
File Name	Coupeville, Coupeville High School, Gymnasium EPAT	**File Date:**	7/5/2018

District	Coupeville
Facility Name	Coupeville High School
Building Part Name	Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	26.7%	**Site Class**	D
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	58.9%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	90%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,000	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Coupeville High School
Building Name	Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.206599	48.206599	48.206599
Decimal Longitude	-122.68603	-122.68603	-122.68603
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1991		1991
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Coupeville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Coupeville High School	
Building Name	Gymnasium	Low-Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1991	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	90%	Earthquake ground shaking hazard is higher than 90% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	28%	22%	Low-Moderate	Yellow
Life Safety Retrofit Building	20%	12%	Low	Green/Yellow
Current Code Building	16%	8.4%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Coupeville		
Point of Contact	Jaime Easton		
Telephone	360-678-2404		
E-Mail	jeaston@coupeville.k12.wa.us		
File Name	Coupeville, Coupeville Middle School, Middle and High School Building EPAT	**File Date:**	7/5/2018

District	Coupeville
Facility Name	Coupeville Middle School
Building Part Name	Middle and High School Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	26.8%	**Site Class**	D
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	59.3%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	90%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
33,550	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Coupeville Middle School
Building Name	Middle and High School Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.195513	48.195513	48.195513
Decimal Longitude	-122.686045	-122.686045	-122.686045
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1992		1992
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Coupeville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Coupeville Middle School	
Building Name	Middle and High School Building	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1992	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	90%	Earthquake ground shaking hazard is higher than 90% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	24%	16%	Low	Green/Yellow
Life Safety Retrofit Building	14%	6.0%	Very Low	Green
Current Code Building	11%	3.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Creston		
Point of Contact	Chuck Wyborney		
Telephone	509-723-6512		
E-Mail	cwyborney@creston.wednet.edu		
File Name	Creston, Creston Junior Senior High School, Creston K-12 School Building	**File Date:**	7/5/2018

District	Creston
Facility Name	Creston Junior Senior High School
Building Part Name	Creston K-12 School Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.6%	**Site Class**	D
10% in 50 year PGA	9.2%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	22.2%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	14%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
50,425	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Creston Junior Senior High School
Building Name	Creston K-12 School Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.754448	47.754448	47.754448
Decimal Longitude	-118.5192	-118.5192	-118.5192
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1953		1953
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Creston	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Creston Junior Senior High School	
Building Name	Creston K-12 School Building	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1953	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	14%	Earthquake ground shaking hazard is higher than 14% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	17%	11%	Low	Green/Yellow
Life Safety Retrofit Building	6.8%	2.4%	Very Low	Green
Current Code Building	4.9%	1.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Darrington		
Point of Contact	Samantha Valenica		
Telephone	425-328-6427		
E-Mail	svalencia@dsd.k12.wa.us		
File Name	Darrington, Darrington Elementary School, Main Elementary School EPAT	**File Date:**	7/5/2018

District	Darrington
Facility Name	Darrington Elementary School
Building Part Name	Main Elementary School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	18.9%	**Site Class**	D
10% in 50 year PGA	25.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	42.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	32%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
39,578	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Darrington Elementary School
Building Name	Main Elementary School
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.24728	48.24728	48.24728
Decimal Longitude	-121.602023	-121.602023	-121.602023
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1990		1990
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Darrington	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Darrington Elementary School	
Building Name	Main Elementary School	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1990	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	32%	Earthquake ground shaking hazard is higher than 32% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	14%	7.1%	Very Low	Green
Life Safety Retrofit Building	6.9%	1.8%	Very Low	Green
Current Code Building	5.3%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Darrington		
Point of Contact	Samantha Valencia		
Telephone	425-328-6427		
E-Mail	svalencia@dsd.k12.wa.us		
File Name	Darrington, Darrington Senior High School, Darrington High School EPAT	**File Date:**	7/5/2018

District	Darrington
Facility Name	Darrington Senior High School
Building Part Name	Darrington High School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	18.9%	**Site Class**	D
10% in 50 year PGA	25.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	42.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	32%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
39,857	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Darrington Senior High School
Building Name	Darrington High School
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.247943	48.247943	48.247943
Decimal Longitude	-121.602659	-121.602659	-121.602659
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1935		1935
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Darrington	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Darrington Senior High School	
Building Name	Darrington High School	Moderate-High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1935	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	32%	Earthquake ground shaking hazard is higher than 32% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	44%	38%	Moderate-High	Red
Life Safety Retrofit Building	6.9%	1.8%	Very Low	Green
Current Code Building	5.3%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Darrington		
Point of Contact	Samantha Valencia		
Telephone	425-328-6427		
E-Mail	svalencia@dsd.k12.wa.us		
File Name	Darrington, Darrington Senior High School, Woodshop EPAT	**File Date:**	7/5/2018

District	Darrington
Facility Name	Darrington Senior High School
Building Part Name	Woodshop

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	18.9%	**Site Class**	D
10% in 50 year PGA	25.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	42.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	32%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
Unknown Precisely	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Darrington Senior High School
Building Name	Woodshop
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.247943	48.247943	48.247943
Decimal Longitude	-121.602659	-121.602659	-121.602659
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms	RM2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Darrington	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Darrington Senior High School	
Building Name	Woodshop	High

Building Data

HAZUS Building Type	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	32%	Earthquake ground shaking hazard is higher than 32% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	65%	64%	High	Red
Life Safety Retrofit Building	11%	4.3%	Very Low	Green
Current Code Building	8.1%	2.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Dayton		
Point of Contact	Paula Moisio		
Telephone	509-382-2543		
E-Mail	paulam@daytonsd.org		
File Name	Dayton, Dayton High School, Ag Shop EPAT	**File Date:**	7/5/2018

District	Dayton
Facility Name	Dayton High School
Building Part Name	Ag Shop

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.6%	**Site Class**	B
10% in 50 year PGA	6.1%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	22%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,376	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Dayton High School
Building Name	Ag Shop
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.316073	46.316073	46.316073
Decimal Longitude	-117.972817	-117.972817	-117.972817
Site Class (Soil/Rock Type)	B	D-E	B
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1954		1954
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Dayton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Dayton High School	
Building Name	Ag Shop	Low

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1954	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	22%	Earthquake ground shaking hazard is higher than 22% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	13%	9.6%	Low	Green/Yellow
Life Safety Retrofit Building	5.7%	2.9%	Very Low	Green/Yellow
Current Code Building	3.8%	1.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Dayton		
Point of Contact	Paula Moisio		
Telephone	509-382-2543		
E-Mail	paulam@daytonsd.org		
File Name	Dayton, Dayton High School, Gymnasium EPAT	**File Date:**	7/5/2018

District	Dayton
Facility Name	Dayton High School
Building Part Name	Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.6%	**Site Class**	B
10% in 50 year PGA	6.1%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	22%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
27,152	TDNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Dayton High School
Building Name	Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.316073	46.316073	46.316073
Decimal Longitude	-117.972817	-117.972817	-117.972817
Site Class (Soil/Rock Type)	B	D-E	B
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	S3	Steel Light Frame	S3
Number of Stories (Excluding Basement)***	1		1
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Dayton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Dayton High School	
Building Name	Gymnasium	Low-Moderate

Building Data

HAZUS Building Type	S3	Steel Light Frame
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	22%	Earthquake ground shaking hazard is higher than 22% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	32%	28%	Low-Moderate	Red
Life Safety Retrofit Building	15%	11%	Very Low	Green/Yellow
Current Code Building	11%	7.1%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	TDNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Dayton		
Point of Contact	Paula Moisio		
Telephone	509-382-2543		
E-Mail	paulam@daytonsd.org		
File Name	Dayton, Dayton High School, High School Building EPAT	**File Date:**	7/5/2018

District	Dayton
Facility Name	Dayton High School
Building Part Name	High School Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.6%	**Site Class**	B
10% in 50 year PGA	6.1%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	22%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
37,524	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Dayton High School
Building Name	High School Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.316073	46.316073	46.316073
Decimal Longitude	-117.972817	-117.972817	-117.972817
Site Class (Soil/Rock Type)	B	D-E	B
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	3		3
Year Built***	1923		1923
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Dayton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Dayton High School	
Building Name	High School Building	Low-Moderate

Building Data		
HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1923	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	22%	Earthquake ground shaking hazard is higher than 22% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	18%	14%	Low-Moderate	Green/Yellow
Life Safety Retrofit Building	5.7%	2.9%	Very Low	Green/Yellow
Current Code Building	3.8%	1.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Dayton		
Point of Contact	Paula Moisio		
Telephone	509-382-2543		
E-Mail	paulam@daytonsd.org		
File Name	Dayton, Dayton High School, Wood Shop EPAT	**File Date:**	7/5/2018

District	Dayton
Facility Name	Dayton High School
Building Part Name	Wood Shop

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.6%	**Site Class**	B
10% in 50 year PGA	6.1%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	22%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,846	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Dayton High School
Building Name	Wood Shop
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.316073	46.316073	46.316073
Decimal Longitude	-117.972817	-117.972817	-117.972817
Site Class (Soil/Rock Type)	B	D-E	B
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Dayton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Dayton High School	
Building Name	Wood Shop	Low

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	22%	Earthquake ground shaking hazard is higher than 22% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	16%	13%	Low	Green/Yellow
Life Safety Retrofit Building	5.7%	2.9%	Very Low	Green/Yellow
Current Code Building	3.8%	1.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Dayton		
Point of Contact	Paula Moisio		
Telephone	509-382-2543		
E-Mail	paulam@daytonsd.org		
File Name	Dayton, Dayton K8 School, Elementary and Middle School Building EPAT	**File Date:**	7/5/2018

District	Dayton
Facility Name	Dayton Elementary School
Building Part Name	Elementary and Middle School Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.6%	**Site Class**	B
10% in 50 year PGA	6.1%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	22%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
42,716	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Dayton Elementary School
Building Name	Elementary and Middle School Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.316915	46.316915	46.316915
Decimal Longitude	-117.976931	-117.976931	-117.976931
Site Class (Soil/Rock Type)	B	D-E	B
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Dayton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Dayton Elementary School	
Building Name	Elementary and Middle School Building	Low

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	22%	Earthquake ground shaking hazard is higher than 22% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	16%	13%	Low	Green/Yellow
Life Safety Retrofit Building	5.7%	2.9%	Very Low	Green/Yellow
Current Code Building	3.8%	1.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Dixie		
Point of Contact	Debbie Miller		
Telephone	509-525-5339		
E-Mail	dmiller@dixiesd.org		
File Name	Dixie, Dixie Elementary School, Main Building EPAT	**File Date:**	7/5/2018

District	Dixie
Facility Name	Dixie Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	6.1%	**Site Class**	D
10% in 50 year PGA	10.5%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	25.7%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	25%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
15,291	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Dixie Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.141863	46.141863	46.141863
Decimal Longitude	-118.149817	-118.149817	-118.149817
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	3		3
Year Built***	1921		1921
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Dixie	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Dixie Elementary School	
Building Name	Main Building	Moderate

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1921	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	25%	Earthquake ground shaking hazard is higher than 25% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	31%	26%	Moderate	Red
Life Safety Retrofit Building	17%	12%	Very Low	Green/Yellow
Current Code Building	13%	8.2%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	East Valley (Yakima)		
Point of Contact	John Schieche		
Telephone	509-969-7804		
E-Mail	Schieche.john@evsd90.org		
File Name	East Valley (Yakima), East Valley Central Middle School, 6th Grade Building EPAT	**File Date:**	7/5/2018

District	East Valley (Yakima)
Facility Name	East Valley Central Middle School
Building Part Name	6th Grade Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	7.2%	**Site Class**	C
10% in 50 year PGA	11.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.1%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	24%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
15,382	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	East Valley Central Middle School
Building Name	6th Grade Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.575034	46.575034	46.575034
Decimal Longitude	-120.403984	-120.403984	-120.403984
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	PC1	Precast Concrete Tilt-Up Walls	PC1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1980		1980
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	East Valley (Yakima)	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	East Valley Central Middle School	
Building Name	6th Grade Building	Low-Moderate

Building Data

HAZUS Building Type	PC1	Precast Concrete Tilt-Up Walls
Year Built	1980	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	24%	Earthquake ground shaking hazard is higher than 24% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	34%	31%	Low-Moderate	Red
Life Safety Retrofit Building	20%	14%	Low	Green/Yellow
Current Code Building	15%	10%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	East Valley (Yakima)		
Point of Contact	John Schieche		
Telephone	509-969-7804		
E-Mail	Schieche.john@evsd90.org		
File Name	East Valley (Yakima), East Valley Central Middle School, 7th-8th Grade Building	**File Date:**	7/5/2018

District	East Valley (Yakima)
Facility Name	East Valley Central Middle School
Building Part Name	7th - 8th Grade Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	7.2%	**Site Class**	C
10% in 50 year PGA	11.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.1%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	24%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
37,740	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	East Valley Central Middle School
Building Name	7th - 8th Grade Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.575034	46.575034	46.575034
Decimal Longitude	-120.403984	-120.403984	-120.403984
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms	RM2
Number of Stories (Excluding Basement)***	2		2
Year Built***	2010		2010
Code for Building Design (if known)	IBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	IBC
Design Code Year (if known)	2003-Present		2003-Present
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	East Valley (Yakima)	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	East Valley Central Middle School	
Building Name	7th - 8th Grade Building	Low

Building Data		
HAZUS Building Type	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms
Year Built	2010	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	2003-Present IBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	24%	Earthquake ground shaking hazard is higher than 24% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	17%	13%	Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	East Valley (Yakima)		
Point of Contact	John Schieche		
Telephone	509-969-7804		
E-Mail	Schieche.john@evsd90.org		
File Name	East Valley (Yakima), East Valley Central Middle School, Computer Lab Building	**File Date:**	7/5/2018

District	East Valley (Yakima)
Facility Name	East Valley Central Middle School
Building Part Name	Computer Lab Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	7.2%	**Site Class**	C
10% in 50 year PGA	11.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.1%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	24%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
2,703	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	East Valley Central Middle School
Building Name	Computer Lab Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.575034	46.575034	46.575034
Decimal Longitude	-120.403984	-120.403984	-120.403984
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1996		1996
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	East Valley (Yakima)	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	East Valley Central Middle School	
Building Name	Computer Lab Building	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1996	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	24%	Earthquake ground shaking hazard is higher than 24% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	9.1%	4.2%	Very Low	Green
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	East Valley (Yakima)		
Point of Contact	John Schieche		
Telephone	509-969-7804		
E-Mail	Schieche.john@evsd90.org		
File Name	East Valley (Yakima), East Valley Central Middle School, Gymnasium Building EPAT	**File Date:**	7/5/2018

District	East Valley (Yakima)
Facility Name	East Valley Central Middle School
Building Part Name	Gymnasium Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	7.2%	**Site Class**	C
10% in 50 year PGA	11.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.1%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	24%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
19,420	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	East Valley Central Middle School
Building Name	Gymnasium Building
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.575034	46.575034	46.575034
Decimal Longitude	-120.403984	-120.403984	-120.403984
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	PC1	Precast Concrete Tilt-Up Walls	PC1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1950		1950
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	East Valley (Yakima)	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	East Valley Central Middle School	
Building Name	Gymnasium Building	Moderate-High

Building Data

HAZUS Building Type	PC1	Precast Concrete Tilt-Up Walls
Year Built	1950	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	24%	Earthquake ground shaking hazard is higher than 24% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	43%	40%	Moderate-High	Red
Life Safety Retrofit Building	20%	14%	Low	Green/Yellow
Current Code Building	15%	10%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	East Valley (Yakima)		
Point of Contact	John Schieche		
Telephone	509-969-7804		
E-Mail	Schieche.john@evsd90.org		
File Name	East Valley (Yakima), East Valley Elementary School, Main Building EPAT	**File Date:**	7/5/2018

District	East Valley (Yakima)
Facility Name	East Valley Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	7.2%	**Site Class**	C
10% in 50 year PGA	11.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.1%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	24%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
71,064		

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	East Valley Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.572588	46.572588	46.572588
Decimal Longitude	-120.403912	-120.403912	-120.403912
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1996		1996
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	East Valley (Yakima)	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	East Valley Elementary School	
Building Name	Main Building	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1996	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	24%	Earthquake ground shaking hazard is higher than 24% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	15%	11%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	
Person(s) Who Entered Data in EPAT:	
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Evaline		
Point of Contact	Christina Bradshaw		
Telephone	360-785-3460		
E-Mail	cbradshaw@evalinesd.k12.wa.us		
File Name	Evaline, Evaline Elementary School, Main Building EPAT	**File Date:**	7/5/2018

District	Evaline
Facility Name	Evaline Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.8%	**Site Class**	D
10% in 50 year PGA	30.2%	**Ground Shaking Hazard**	High
2% in 50 year PGA	50.8%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	47%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
6,207	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Evaline Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.539403	46.539403	46.539403
Decimal Longitude	-122.9383	-122.9383	-122.9383
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1926		1926
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Evaline	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Evaline Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1926	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	47%	Earthquake ground shaking hazard is higher than 47% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	57%	53%	Very High	Red
Life Safety Retrofit Building	15%	8.0%	Very Low	Green/Yellow
Current Code Building	12%	5.2%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ferndale		
Point of Contact	Mark Deebach		
Telephone	360-383-9203		
E-Mail	tammy.longstaff@ferndalesd.org		
File Name	Ferndale, Beach Elementary, Main Building EPAT	**File Date:**	7/5/2018

District	Ferndale
Facility Name	Beach Elementary
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	18.2%	**Site Class**	C
10% in 50 year PGA	26.4%	**Ground Shaking Hazard**	High
2% in 50 year PGA	46.2%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	43%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
8,919	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Beach Elementary
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.725204	48.725204	48.725204
Decimal Longitude	-122.692079	-122.692079	-122.692079
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	3		3
Year Built***	1919		1919
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ferndale	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Beach Elementary	
Building Name	Main Building	Moderate-High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1919	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	43%	Earthquake ground shaking hazard is higher than 43% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	49%	44%	Moderate-High	Red
Life Safety Retrofit Building	8.4%	2.5%	Very Low	Green
Current Code Building	6.4%	1.4%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Fife		
Point of Contact	Kari Harris		
Telephone	253-517-1000 ext. 25116		
E-Mail	kharris@fifeschools.com		
File Name	Fife, Columbia Junior High School, Main Building EPAT.xslm	**File Date:**	9/14/2018

District	Fife
Facility Name	Columbia Junior High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	50%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
97,496	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Columbia Junior High School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.23039	47.231073	47.23039
Decimal Longitude	-122.356	-122.356915	-122.356
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	2003		2003
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Fife	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Columbia Junior High School	
Building Name	Main Building	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	2003	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1997 UBC	
Existing Building Code Level	High	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	50%	Earthquake ground shaking hazard is higher than 50% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	17%	10%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Fife		
Point of Contact	Kari Harris		
Telephone	253-517-1000 ext. 21556		
E-Mail	kharris@fifeschools.com		
File Name	Fife, Fife High School, Building IV 400 Library EPAT.xslm	**File Date:**	9/14/2018

District	Fife
Facility Name	Fife High School
Building Part Name	Building IV 400 Library

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
34,556	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Fife High School
Building Name	Building IV 400 Library
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.238576	47.238576	47.238576
Decimal Longitude	-122.352859	-122.352859	-122.352859
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1950		1950
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Fife	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Fife High School	
Building Name	Building IV 400 Library	Very High

Building Data		
HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1950	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	82%	82%	Very High	Red
Life Safety Retrofit Building	15%	7.6%	Very Low	Green/Yellow
Current Code Building	12%	4.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Fife		
Point of Contact	Kari Harris		
Telephone	253-517-1000 x25116		
E-Mail	kharris@fifeschools.com		
File Name	Fife, Fife High School, Building IX 900 Science EPAT.xslm	**File Date:**	9/14/2018

District	Fife
Facility Name	Fife High School
Building Part Name	Building IX 900 Science

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,040	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Fife High School
Building Name	Building IX 900 Science
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.238576	47.238576	47.238576
Decimal Longitude	-122.352859	-122.352859	-122.352859
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1970		1970
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Fife	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Fife High School	
Building Name	Building IX 900 Science	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1970	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	55%	50%	High	Red
Life Safety Retrofit Building	9.7%	3.4%	Very Low	Green
Current Code Building	7.6%	1.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Fife		
Point of Contact	Kari Harris		
Telephone	253-517-1000 ext. 25116		
E-Mail	kharris@fifeschools.com		
File Name	Fife, Fife High School, Building V 500 Main Building EPAT.xslm	**File Date:**	9/14/2018

District	Fife
Facility Name	Fife High School
Building Part Name	V 500 Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
20,975	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Fife High School
Building Name	V 500 Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.238576	47.238576	47.238576
Decimal Longitude	-122.352859	-122.352859	-122.352859
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1950		1950
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Fife	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Fife High School	
Building Name	V 500 Main Building	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1950	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	55%	50%	High	Red
Life Safety Retrofit Building	9.7%	3.4%	Very Low	Green
Current Code Building	7.6%	1.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Fife		
Point of Contact	Kari Harris		
Telephone	253-517-1000 x25116		
E-Mail	kharris@fifeschools.com		
File Name	Fife, Fife High School, Building VI 600 Gyms EPAT.xslm	**File Date:**	9/14/2018

District	Fife
Facility Name	Fife High School
Building Part Name	Building VI 600 Gyms

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
43,700	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Fife High School
Building Name	Building VI 600 Gyms
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.238576	47.238576	47.238576
Decimal Longitude	-122.352859	-122.352859	-122.352859
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	3		3
Year Built***	1956		1956
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Fife	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Fife High School	
Building Name	Building VI 600 Gyms	Moderate-High

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1956	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	49%	44%	Moderate-High	Red
Life Safety Retrofit Building	9.7%	3.4%	Very Low	Green
Current Code Building	7.6%	1.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Fife		
Point of Contact	Kari Harris		
Telephone	253-517-1000 ext. 25116		
E-Mail	kharris@fifeschools.com		
File Name	Fife, Fife High School, Building VII 700 Cafeteria EPAT.xslm	**File Date:**	9/14/2018

District	Fife
Facility Name	Fife High School
Building Part Name	Building VII 700 Cafeteria

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
15,655	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Fife High School
Building Name	Building VII 700 Cafeteria
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.23832	47.238576	47.23832
Decimal Longitude	-122.353	-122.352859	-122.353
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1963		1963
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Fife	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Fife High School	
Building Name	Building VII 700 Cafeteria	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1963	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	59%	55%	High	Red
Life Safety Retrofit Building	9.7%	3.4%	Very Low	Green
Current Code Building	7.6%	1.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Fife		
Point of Contact	Kari Harris		
Telephone	253-517-1000 x 25116		
E-Mail	kharris@fifeschools.com		
File Name	Fife, Fife High School, Building VIII 800 Shop EPAT.xslm	**File Date:**	9/14/2018

District	Fife
Facility Name	Fife High School
Building Part Name	Building VIII 800 Shop

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	51%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
9,989	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Fife High School
Building Name	Building VIII 800 Shop
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.238576	47.238576	47.238576
Decimal Longitude	-122.352859	-122.352859	-122.352859
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1963		1963
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Fife	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Fife High School	
Building Name	Building VIII 800 Shop	Very High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1963	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	51%	Earthquake ground shaking hazard is higher than 51% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	69%	69%	Very High	Red
Life Safety Retrofit Building	15%	7.6%	Very Low	Green/Yellow
Current Code Building	12%	4.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Glenwood		
Point of Contact	Darren Jones		
Telephone	509-364-3438		
E-Mail	darren.jones@glenwoodsd.org		
File Name	Glenwood, Glenwood Elementary School, Main Building EPAT	**File Date:**	7/5/2018

District	Glenwood
Facility Name	Glenwood Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.5%	**Site Class**	C
10% in 50 year PGA	12.9%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	27.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	28%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
38,961	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Glenwood Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.019927	46.019927	46.019927
Decimal Longitude	-121.290865	-121.290865	-121.290865
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1981		1981
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Glenwood	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Glenwood Elementary School	
Building Name	Main Building	Low-Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1981	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	28%	Earthquake ground shaking hazard is higher than 28% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	36%	33%	Low-Moderate	Red
Life Safety Retrofit Building	19%	14%	Low	Green/Yellow
Current Code Building	14%	9.6%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Grand Coulee Dam		
Point of Contact	Paul Turner		
Telephone	509-633-2142		
E-Mail	pturner@gcdsd.org		
File Name	Grand Coulee Dam, Lake Roosevelt K12, CTE Building EPAT	**File Date:**	7/5/2018

District	Grand Coulee Dam
Facility Name	Lake Roosevelt High School
Building Part Name	CTE Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	6.5%	**Site Class**	D
10% in 50 year PGA	10.6%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.7%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	17%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
46,336	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Lake Roosevelt High School
Building Name	CTE Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.970084	47.970084	47.970084
Decimal Longitude	-118.972695	-118.972695	-118.972695
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1955		1955
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Grand Coulee Dam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Lake Roosevelt High School	
Building Name	CTE Building	Low-Moderate

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1955	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	17%	Earthquake ground shaking hazard is higher than 17% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	32%	28%	Low-Moderate	Red
Life Safety Retrofit Building	15%	11%	Very Low	Green/Yellow
Current Code Building	12%	7.2%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Grand Coulee Dam		
Point of Contact	Paul Turner (Superintendent)		
Telephone	509-633-2143		
E-Mail	pturner@gcdsd.org		
File Name	Grand Coulee Dam, Lake Roosevelt K12, Wood Shop EPAT	**File Date:**	7/5/2018

District	Grand Coulee Dam
Facility Name	Lake Roosevelt High School
Building Part Name	Wood Shop

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	6.5%	**Site Class**	D
10% in 50 year PGA	10.6%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.7%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	17%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,043	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Lake Roosevelt High School
Building Name	Wood Shop
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.970084	47.970084	47.970084
Decimal Longitude	-118.972695	-118.972695	-118.972695
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	S3	Steel Light Frame	S3
Number of Stories (Excluding Basement)***	1		1
Year Built***	1974		1974
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Grand Coulee Dam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Lake Roosevelt High School	
Building Name	Wood Shop	High

Building Data

HAZUS Building Type	S3	Steel Light Frame
Year Built	1974	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	17%	Earthquake ground shaking hazard is higher than 17% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	60%	58%	High	Red
Life Safety Retrofit Building	32%	27%	Low-Moderate	Yellow/Red
Current Code Building	27%	21%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Green Mountain		
Point of Contact	Tyson Vogeler		
Telephone	360-225-7366		
E-Mail	tyson.vogeler@greenmountainschool.us		
File Name	Green Mountain, Green Mountain School, Gymnasium EPAT	**File Date:**	7/5/2018

District	Green Mountain
Facility Name	Green Mountain School
Building Part Name	Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	16.3%	**Site Class**	D
10% in 50 year PGA	23.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	40.7%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
6,353	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Green Mountain School
Building Name	Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.948178	45.948178	45.948178
Decimal Longitude	-122.539325	-122.539325	-122.539325
Site Class (Soil/Rock Type)	D	B	D
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1950		1950
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Green Mountain	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Green Mountain School	
Building Name	Gymnasium	Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1950	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	39%	32%	Moderate	Yellow/Red
Life Safety Retrofit Building	6.5%	1.5%	Very Low	Green
Current Code Building	4.9%	0.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Green Mountain		
Point of Contact	Tyson Vogeler		
Telephone	360-225-7366		
E-Mail	tyson.vogeler@greenmountainschool.us		
File Name	Green Mountain, Green Mountain School, Main Building EPAT	**File Date:**	7/5/2018

District	Green Mountain
Facility Name	Green Mountain School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	16.3%	**Site Class**	D
10% in 50 year PGA	23.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	40.7%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
3,554	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Green Mountain School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.948178	45.948178	45.948178
Decimal Longitude	-122.539325	-122.539325	-122.539325
Site Class (Soil/Rock Type)	D	B	D
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1932		1932
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Green Mountain	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Green Mountain School	
Building Name	Main Building	High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1932	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	45%	40%	High	Red
Life Safety Retrofit Building	9.9%	3.9%	Very Low	Green
Current Code Building	7.5%	2.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Harrington		
Point of Contact	Tiffany Clouse		
Telephone	253-4431		
E-Mail	tclouse@harringtonsd.org		
File Name	Harrington, Harrington Elementary and High School, Main Building EPAT	**File Date:**	7/5/2018

District	Harrington
Facility Name	Harrington High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.0%	**Site Class**	C
10% in 50 year PGA	6.4%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.8%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	0%	**Combined Earthquake Hazard Level**	Low

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
53,605	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Harrington High School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.479064	47.479064	47.479064
Decimal Longitude	-118.251377	-118.251377	-118.251377
Site Class (Soil/Rock Type)	C	B	C
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1936		1936
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Harrington	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Harrington High School	
Building Name	Main Building	Low

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1936	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	0%	Earthquake ground shaking hazard is higher than 0% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Low	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	13%	10%	Low	Green/Yellow
Life Safety Retrofit Building	6.0%	3.1%	Very Low	Green/Yellow
Current Code Building	4.1%	1.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Highline		
Point of Contact	Gordan Ericksen (Project Manager)		
Telephone	206-348-8496		
E-Mail	gordon.ericksen@highlineschools.org		
File Name	Highline, Woodside Site, Annex EPAT	**File Date:**	7/5/2018

District	Highline
Facility Name	CHOICE Academy
Building Part Name	Annex

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	28.6%	**Site Class**	D
10% in 50 year PGA	37.0%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	64.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	92%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,306	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	CHOICE Academy
Building Name	Annex
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.43779	47.43779	47.43779
Decimal Longitude	-122.325976	-122.325976	-122.325976
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	S5	Steel Frame with Unreinforced Masonry Infill Walls	S5
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Highline	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	CHOICE Academy	
Building Name	Annex	Very High

Building Data

HAZUS Building Type	S5	Steel Frame with Unreinforced Masonry Infill Walls
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	92%	Earthquake ground shaking hazard is higher than 92% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	84%	84%	Very High	Red
Life Safety Retrofit Building	32%	26%	Low	Yellow
Current Code Building	27%	20%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Highline		
Point of Contact	Gordan Ericksen (Project Manager)		
Telephone	206-348-8496		
E-Mail	gordon.ericksen@highlineschools.org		
File Name	Highline, Woodside Site, Main Building EPAT	**File Date:**	7/5/2018

District	Highline
Facility Name	CHOICE Academy
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	28.6%	**Site Class**	D
10% in 50 year PGA	37.0%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	64.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	92%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
22,768	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	CHOICE Academy
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.438	47.43779	47.438
Decimal Longitude	-122.325976	-122.325976	-122.325976
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	S5	Steel Frame with Unreinforced Masonry Infill Walls	S5
Number of Stories (Excluding Basement)***	1		1
Year Built***	1958		1958
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Highline	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	CHOICE Academy	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	S5	Steel Frame with Unreinforced Masonry Infill Walls
Year Built	1958	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	92%	Earthquake ground shaking hazard is higher than 92% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	87%	88%	Very High	Red
Life Safety Retrofit Building	32%	26%	Low	Yellow
Current Code Building	27%	20%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Hoquiam High School, A Administration - Lower EPAT	**File Date:**	7/5/2018

District	Hoquiam
Facility Name	Hoquiam High School
Building Part Name	A - Administration - Lower

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.4%	**Site Class**	D
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.9%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
14,193	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Hoquiam High School
Building Name	A - Administration - Lower
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.983312	46.983312	46.983312
Decimal Longitude	-123.905897	-123.905897	-123.905897
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Hoquiam High School	
Building Name	A - Administration - Lower	Very High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	89%	89%	Very High	Red
Life Safety Retrofit Building	29%	21%	Low	Yellow
Current Code Building	24%	16%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Hoquiam High School, A Administration - Upper EPAT	**File Date:**	7/5/2018

District	Hoquiam
Facility Name	Hoquiam High School
Building Part Name	A - Administration - Upper

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.4%	**Site Class**	D
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.9%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
14,193	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Hoquiam High School
Building Name	A - Administration - Upper
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.983312	46.983312	46.983312
Decimal Longitude	-123.905897	-123.905897	-123.905897
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Hoquiam High School	
Building Name	A - Administration - Upper	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	69%	67%	Very High	Red
Life Safety Retrofit Building	20%	12%	Very Low	Green/Yellow
Current Code Building	16%	7.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Hoquiam High School, B Science - Lower EPAT	**File Date:**	7/5/2018

District	Hoquiam
Facility Name	Hoquiam High School
Building Part Name	B-Science - Lower

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.4%	**Site Class**	D
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.9%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
11,496	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Hoquiam High School
Building Name	B-Science - Lower
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.983312	46.983312	46.983312
Decimal Longitude	-123.905897	-123.905897	-123.905897
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Hoquiam High School	
Building Name	B-Science - Lower	Very High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	93%	94%	Very High	Red
Life Safety Retrofit Building	29%	21%	Low	Yellow
Current Code Building	24%	16%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Hoquiam High School, B Science - Upper EPAT	**File Date:**	7/5/2018

District	Hoquiam
Facility Name	Hoquiam High School
Building Part Name	B-Science - Upper

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.4%	**Site Class**	D
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.9%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
11,496	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Hoquiam High School
Building Name	B-Science - Upper
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.983312	46.983312	46.983312
Decimal Longitude	-123.905897	-123.905897	-123.905897
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Hoquiam High School	
Building Name	B-Science - Upper	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	82%	81%	Very High	Red
Life Safety Retrofit Building	20%	12%	Very Low	Green/Yellow
Current Code Building	16%	7.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Hoquiam High School, E Library EPAT	**File Date:**	7/5/2018

District	Hoquiam
Facility Name	Hoquiam High School
Building Part Name	E - Library

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.4%	**Site Class**	D
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.9%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
11,193	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Hoquiam High School
Building Name	E - Library
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.983312	46.983312	46.983312
Decimal Longitude	-123.905897	-123.905897	-123.905897
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Hoquiam High School	
Building Name	E - Library	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	69%	67%	Very High	Red
Life Safety Retrofit Building	20%	12%	Very Low	Green/Yellow
Current Code Building	16%	7.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Hoquiam High School, H Gymnasium, EPAT	**File Date:**	7/5/2018

District	Hoquiam
Facility Name	Hoquiam High School
Building Part Name	H-Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.4%	**Site Class**	D
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.9%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
31,040	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Hoquiam High School
Building Name	H-Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.983312	46.983312	46.983312
Decimal Longitude	-123.905897	-123.905897	-123.905897
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	2		2
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Hoquiam High School	
Building Name	H-Gymnasium	Very High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	88%	89%	Very High	Red
Life Safety Retrofit Building	29%	21%	Low	Yellow
Current Code Building	24%	16%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Lincoln Elementary School, Administrative and Library Building EPAT	**File Date:**	7/5/2018

District	Hoquiam
Facility Name	Lincoln Elementary School
Building Part Name	Administrative and Library Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	31.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	66.4%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,055	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Lincoln Elementary School
Building Name	Administrative and Library Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.991298	46.991298	46.991298
Decimal Longitude	-123.888945	-123.888945	-123.888945
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1968		1968
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Lincoln Elementary School	
Building Name	Administrative and Library Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1968	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	69%	67%	Very High	Red
Life Safety Retrofit Building	17%	8.5%	Very Low	Green/Yellow
Current Code Building	13%	5.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Lincoln Elementary School, East Wing EPAT.xlsm	**File Date:**	7/6/2018

District	Hoquiam
Facility Name	Lincoln Elementary School
Building Part Name	East Wing

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	31.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	66.4%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,933	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Lincoln Elementary School
Building Name	East Wing
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.991298	46.991298	46.991298
Decimal Longitude	-123.888945	-123.888945	-123.888945
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1968		1968
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Lincoln Elementary School	
Building Name	East Wing	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1968	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	69%	67%	Very High	Red
Life Safety Retrofit Building	17%	8.5%	Very Low	Green/Yellow
Current Code Building	13%	5.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Lincoln Elementary School, Multipurpose Building EPAT.xlsm	**File Date:**	7/6/2018

District	Hoquiam
Facility Name	Lincoln Elementary School
Building Part Name	Multipurpose Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	31.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	66.4%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,569	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Lincoln Elementary School
Building Name	Multipurpose Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.991298	46.991298	46.991298
Decimal Longitude	-123.888945	-123.888945	-123.888945
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1968		1968
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Lincoln Elementary School	
Building Name	Multipurpose Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1968	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	69%	67%	Very High	Red
Life Safety Retrofit Building	17%	8.5%	Very Low	Green/Yellow
Current Code Building	13%	5.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Hoquiam		
Point of Contact	Matt Kemph (Maintenance Supervisor)		
Telephone	360-310-0485		
E-Mail	mkemph@hoquiam.net		
File Name	Hoquiam, Lincoln Elementary School, West Wing EPAT.xlsm	**File Date:**	7/6/2018

District	Hoquiam
Facility Name	Lincoln Elementary School
Building Part Name	West Wing

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	31.9%	**Site Class**	E
10% in 50 year PGA	36.3%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	66.4%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	95%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
8,610	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Lincoln Elementary School
Building Name	West Wing
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.991298	46.991298	46.991298
Decimal Longitude	-123.888945	-123.888945	-123.888945
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1968		1968
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Hoquiam	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Lincoln Elementary School	
Building Name	West Wing	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1968	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	95%	Earthquake ground shaking hazard is higher than 95% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	69%	67%	Very High	Red
Life Safety Retrofit Building	17%	8.5%	Very Low	Green/Yellow
Current Code Building	13%	5.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Index		
Point of Contact	Brad Jernberg		
Telephone	360-793-1330		
E-Mail	bjernberg@index.k12.wa.us		
File Name	Index, Index Elementary School, Enclosed Covered Play EPAT.xlsm	**File Date:**	7/6/2018

District	Index
Facility Name	Index Elementary School
Building Part Name	Enclosed Covered Play

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	16.1%	**Site Class**	C
10% in 50 year PGA	23.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	39.9%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	34%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
1,408	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Index Elementary School
Building Name	Enclosed Covered Play
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.820663	47.820663	47.820663
Decimal Longitude	-121.556167	-121.556167	-121.556167
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1997		1997
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Index	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Index Elementary School	
Building Name	Enclosed Covered Play	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1997	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	34%	Earthquake ground shaking hazard is higher than 34% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	8.4%	3.3%	Very Low	Green
Life Safety Retrofit Building	6.2%	1.4%	Very Low	Green
Current Code Building	4.7%	0.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Index		
Point of Contact	Brad Jernberg		
Telephone	360-793-1330		
E-Mail	bjernberg@index.k12.wa.us		
File Name	Index, Index Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Index
Facility Name	Index Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	16.1%	**Site Class**	C
10% in 50 year PGA	23.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	39.9%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	34%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,881	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Index Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.820663	47.820663	47.820663
Decimal Longitude	-121.556167	-121.556167	-121.556167
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1954		1954
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Index	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Index Elementary School	
Building Name	Main Building	High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1954	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	34%	Earthquake ground shaking hazard is higher than 34% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	58%	56%	High	Red
Life Safety Retrofit Building	9.5%	3.6%	Very Low	Green
Current Code Building	7.2%	2.1%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Kelso		
Point of Contact	Gary Schimmel		
Telephone	360-957-2470		
E-Mail	gary.schimmel@kelsosd.org		
File Name	Kelso, Carrolls Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Kelso
Facility Name	Carrolls Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	10.6%	**Site Class**	B
10% in 50 year PGA	17.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	39.6%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	30%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
17,276	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Carrolls Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.070216	46.070216	46.070216
Decimal Longitude	-122.86103	-122.86103	-122.86103
Site Class (Soil/Rock Type)	B	B	B
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1948		1948
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Kelso	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Carrolls Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1948	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	30%	Earthquake ground shaking hazard is higher than 30% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	54%	51%	Very High	Red
Life Safety Retrofit Building	9.3%	3.5%	Very Low	Green
Current Code Building	7.1%	2.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	La Conner		
Point of Contact	Brian Masonholder		
Telephone	360-466-3171		
E-Mail	bmasonholder@lc.k12.wa.us		
File Name	La Conner, La Conner High School, High School Auditorium EPAT.xlsm	**File Date:**	7/6/2018

District	La Conner
Facility Name	La Conner High School
Building Part Name	High School Auditorium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.4%	**Site Class**	D
10% in 50 year PGA	32.2%	**Ground Shaking Hazard**	High
2% in 50 year PGA	52.6%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	45%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,808	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	La Conner High School
Building Name	High School Auditorium
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.393687	48.393687	48.393687
Decimal Longitude	-122.490442	-122.490442	-122.490442
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1921		1921
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	La Conner	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	La Conner High School	
Building Name	High School Auditorium	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1921	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	45%	Earthquake ground shaking hazard is higher than 45% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	75%	73%	Very High	Red
Life Safety Retrofit Building	16%	8.9%	Very Low	Green/Yellow
Current Code Building	13%	5.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	La Conner		
Point of Contact	Brian Masonholder		
Telephone	360-466-3171		
E-Mail	bmasonholder@lc.k12.wa.us		
File Name	La Conner, La Conner High School, High School Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	La Conner
Facility Name	La Conner High School
Building Part Name	High School Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.4%	**Site Class**	D
10% in 50 year PGA	32.2%	**Ground Shaking Hazard**	High
2% in 50 year PGA	52.6%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	45%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
46,822	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	La Conner High School
Building Name	High School Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.393687	48.393687	48.393687
Decimal Longitude	-122.490442	-122.490442	-122.490442
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1974		1974
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	La Conner	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	La Conner High School	
Building Name	High School Main Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1974	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	45%	Earthquake ground shaking hazard is higher than 45% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	62%	58%	Very High	Red
Life Safety Retrofit Building	11%	4.1%	Very Low	Green
Current Code Building	8.4%	2.4%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	La Conner		
Point of Contact	Brian Masonholder		
Telephone	360-466-3171		
E-Mail	bmasonholder@lc.k12.wa.us		
File Name	La Conner, La Conner Middle School, Old Auditorium Cafeteria Building EPAT.xlsm	**File Date:**	7/6/2018

District	La Conner
Facility Name	La Conner Middle School
Building Part Name	Old Auditorium/Cafeteria Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.4%	**Site Class**	D
10% in 50 year PGA	32.1%	**Ground Shaking Hazard**	High
2% in 50 year PGA	52.6%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
9,537	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	La Conner Middle School
Building Name	Old Auditorium/Cafeteria Building
Building Use	Office

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.395225	48.395225	48.395225
Decimal Longitude	-122.490334	-122.490334	-122.490334
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1921		1921
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	La Conner	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	La Conner Middle School	
Building Name	Old Auditorium/Cafeteria Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1921	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	70%	67%	Very High	Red
Life Safety Retrofit Building	16%	8.8%	Very Low	Green/Yellow
Current Code Building	13%	5.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Longview		
Point of Contact	Troy Lamax		
Telephone	360-575-7852		
E-Mail	tlomax@longview.k12.wa.us		
File Name	Longview, RA Long High School, Gymnasium EPAT.xlsm	**File Date:**	7/6/2018

District	Longview
Facility Name	R. A. Long High School
Building Part Name	Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	26.1%	**Site Class**	E
10% in 50 year PGA	32.8%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.8%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	36%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
44,541	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	R. A. Long High School
Building Name	Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.140602	46.140602	46.140602
Decimal Longitude	-122.953507	-122.953507	-122.953507
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	PC1	Precast Concrete Tilt-Up Walls	PC1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1927		1927
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Longview	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	R. A. Long High School	
Building Name	Gymnasium	Low

Building Data

HAZUS Building Type	PC1	Precast Concrete Tilt-Up Walls
Year Built	1927	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	36%	Earthquake ground shaking hazard is higher than 36% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	20%	13%	Low	Green/Yellow
Life Safety Retrofit Building	13%	6.4%	Very Low	Green/Yellow
Current Code Building	10%	4.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Longview		
Point of Contact	Troy Lamax		
Telephone	360-575-7852		
E-Mail	tlomax@longview.k12.wa.us		
File Name	Longview, RA Long High School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Longview
Facility Name	R. A. Long High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	26.1%	**Site Class**	E
10% in 50 year PGA	32.8%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.8%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	36%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
103,568	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	R. A. Long High School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.140602	46.140602	46.140602
Decimal Longitude	-122.953507	-122.953507	-122.953507
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1927		1927
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Longview	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	R. A. Long High School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1927	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	36%	Earthquake ground shaking hazard is higher than 36% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	56%	53%	Very High	Red
Life Safety Retrofit Building	8.4%	3.0%	Very Low	Green
Current Code Building	6.4%	1.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Longview		
Point of Contact	Troy Lamax		
Telephone	360-575-7852		
E-Mail	tlomax@longview.k12.wa.us		
File Name	Longview, RA Long High School, RA Long Annex EPAT.xlsm	**File Date:**	7/6/2018

District	Longview
Facility Name	R. A. Long High School
Building Part Name	RA Long Annex

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	26.1%	**Site Class**	E
10% in 50 year PGA	32.8%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.8%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	36%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
9,592	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	R. A. Long High School
Building Name	RA Long Annex
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.140602	46.140602	46.140602
Decimal Longitude	-122.953507	-122.953507	-122.953507
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1963		1963
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Longview	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	R. A. Long High School	
Building Name	RA Long Annex	Low-Moderate

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1963	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	36%	Earthquake ground shaking hazard is higher than 36% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	35%	28%	Low-Moderate	Yellow
Life Safety Retrofit Building	5.5%	1.1%	Very Low	Green
Current Code Building	4.2%	0.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Longview		
Point of Contact	Troy Lamax		
Telephone	360-575-7852		
E-Mail	tlomax@longview.k12.wa.us		
File Name	Longview, RA Long High School, Science Wing EPAT.xlsm	**File Date:**	7/6/2018

District	Longview
Facility Name	R. A. Long High School
Building Part Name	Science Wing

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	26.1%	**Site Class**	E
10% in 50 year PGA	32.8%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.8%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	36%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
15,316	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	R. A. Long High School
Building Name	Science Wing
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.140602	46.140602	46.140602
Decimal Longitude	-122.953507	-122.953507	-122.953507
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1935		1935
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Longview	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	R. A. Long High School	
Building Name	Science Wing	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1935	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	36%	Earthquake ground shaking hazard is higher than 36% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	10%	5.7%	Very Low	Green/Yellow
Life Safety Retrofit Building	8.4%	3.0%	Very Low	Green
Current Code Building	6.4%	1.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Longview		
Point of Contact	Troy Lamax		
Telephone	360-575-7852		
E-Mail	tlomax@longview.k12.wa.us		
File Name	Longview, RA Long High School, Shop Building EPAT.xlsm	**File Date:**	7/6/2018

District	Longview
Facility Name	R. A. Long High School
Building Part Name	Shop Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	26.1%	**Site Class**	E
10% in 50 year PGA	32.8%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	37.8%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	36%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,422	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	R. A. Long High School
Building Name	Shop Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.140602	46.140602	46.140602
Decimal Longitude	-122.953507	-122.953507	-122.953507
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1942		1942
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Longview	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	R. A. Long High School	
Building Name	Shop Building	High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1942	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	36%	Earthquake ground shaking hazard is higher than 36% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	52%	48%	High	Red
Life Safety Retrofit Building	8.4%	3.0%	Very Low	Green
Current Code Building	6.4%	1.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mabton		
Point of Contact	Joseph Castilleja (Superintendent)		
Telephone	509-894-4852		
E-Mail	Castillejaj@msd120.org		
File Name	Mabton, Mabton Junior Senior High School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Mabton
Facility Name	Mabton Senior High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.3%	**Site Class**	D
10% in 50 year PGA	13.3%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	28.0%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	25%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
57,540	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mabton Senior High School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.212395	46.212395	46.212395
Decimal Longitude	-119.994586	-119.994586	-119.994586
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1950		1950
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mabton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mabton Senior High School	
Building Name	Main Building	Moderate

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1950	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	25%	Earthquake ground shaking hazard is higher than 25% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	38%	35%	Moderate	Red
Life Safety Retrofit Building	20%	15%	Low	Green/Yellow
Current Code Building	15%	11%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mabton		
Point of Contact	Joseph Castilleja (Superintendent)		
Telephone	509-894-4852		
E-Mail	Castillejaj@msd120.org		
File Name	Mabton, Mabton Junior Senior High School, Shop Ag Building EPAT.xlsm	**File Date:**	7/6/2018

District	Mabton
Facility Name	Mabton Senior High School
Building Part Name	Shop/Ag Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.3%	**Site Class**	D
10% in 50 year PGA	13.3%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	28.0%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	25%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,400	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mabton Senior High School
Building Name	Shop/Ag Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.212395	46.212395	46.212395
Decimal Longitude	-119.994586	-119.994586	-119.994586
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1900		1900
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mabton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mabton Senior High School	
Building Name	Shop/Ag Building	Moderate

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1900	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	25%	Earthquake ground shaking hazard is higher than 25% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	38%	35%	Moderate	Red
Life Safety Retrofit Building	20%	15%	Low	Green/Yellow
Current Code Building	15%	11%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mansfield		
Point of Contact	Mike Messenger		
Telephone	509-683-1012		
E-Mail	mmessesnger@mansfield.wednet.edu		
File Name	Mansfield, Mansfield Elementary and High School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Mansfield
Facility Name	Mansfield Elem and High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.0%	**Site Class**	B
10% in 50 year PGA	7.9%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	19.1%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	18%	**Combined Earthquake Hazard Level**	Low

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
37,018	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mansfield Elem and High School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.816569	47.816569	47.816569
Decimal Longitude	-119.643128	-119.643128	-119.643128
Site Class (Soil/Rock Type)	B	C-D	B
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1983		1983
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mansfield	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mansfield Elem and High School	
Building Name	Main Building	Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1983	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	18%	Earthquake ground shaking hazard is higher than 18% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Low	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	17%	14%	Low	Green/Yellow
Life Safety Retrofit Building	8.4%	4.9%	Very Low	Green/Yellow
Current Code Building	5.9%	3.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Marysville		
Point of Contact	Brandon Klepper		
Telephone	360-965-0095		
E-Mail	brandon_klepper@msvl.k12.wa.us		
File Name	Marysville, Liberty Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Marysville
Facility Name	Liberty Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.1%	**Site Class**	D
10% in 50 year PGA	31.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	50.0%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
43,162	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Liberty Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.058458	48.058458	48.058458
Decimal Longitude	-122.1691	-122.1691	-122.1691
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1951		1951
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Marysville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Liberty Elementary School	
Building Name	Main Building	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1951	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	55%	50%	High	Red
Life Safety Retrofit Building	9.8%	3.4%	Very Low	Green
Current Code Building	7.6%	2.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Marysville		
Point of Contact	Brandon Klepper		
Telephone	360-965-0095		
E-Mail	brandon_klepper@msvl.k12.wa.us		
File Name	Marysville, Marysville Middle School, Building B EPAT.xlsm	**File Date:**	7/6/2018

District	Marysville
Facility Name	Marysville Middle School
Building Part Name	Building B

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.1%	**Site Class**	D
10% in 50 year PGA	31.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
2,997	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Marysville Middle School
Building Name	Building B
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.058792	48.058792	48.058792
Decimal Longitude	-122.164082	-122.164082	-122.164082
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Marysville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Marysville Middle School	
Building Name	Building B	Moderate-High

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	49%	44%	Moderate-High	Red
Life Safety Retrofit Building	9.7%	3.4%	Very Low	Green
Current Code Building	7.6%	1.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Marysville		
Point of Contact	Brandon Klepper		
Telephone	360-965-0095		
E-Mail	brandon_klepper@msvl.k12.wa.us		
File Name	Marysville, Marysville Middle School, Building C Shop Classrooms EPAT.xlsm	**File Date:**	7/6/2018

District	Marysville
Facility Name	Marysville Middle School
Building Part Name	Building C Shop Classrooms

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.1%	**Site Class**	D
10% in 50 year PGA	31.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
2,592	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Marysville Middle School
Building Name	Building C Shop Classrooms
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.058792	48.058792	48.058792
Decimal Longitude	-122.164082	-122.164082	-122.164082
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Marysville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Marysville Middle School	
Building Name	Building C Shop Classrooms	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	69%	69%	Very High	Red
Life Safety Retrofit Building	15%	7.6%	Very Low	Green/Yellow
Current Code Building	12%	4.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Marysville		
Point of Contact	Brandon Klepper		
Telephone	360-965-0095		
E-Mail	brandon_klepper@msvl.k12.wa.us		
File Name	Marysville, Marysville Middle School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Marysville
Facility Name	Marysville Middle School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.1%	**Site Class**	D
10% in 50 year PGA	31.5%	**Ground Shaking Hazard**	High
2% in 50 year PGA	49.9%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
97,150	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Marysville Middle School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.058792	48.058792	48.058792
Decimal Longitude	-122.164082	-122.164082	-122.164082
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Marysville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Marysville Middle School	
Building Name	Main Building	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	59%	55%	High	Red
Life Safety Retrofit Building	9.7%	3.4%	Very Low	Green
Current Code Building	7.6%	1.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Marysville		
Point of Contact	Brandon Klepper		
Telephone	360-965-0095		
E-Mail	brandon_klepper@msvl.k12.wa.us		
File Name	Marysville, Totem Middle School, Cafeteria Gym Building EPAT.xlsm	**File Date:**	7/6/2018

District	Marysville
Facility Name	Totem Middle School
Building Part Name	Cafeteria Gym Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.2%	**Site Class**	D
10% in 50 year PGA	31.6%	**Ground Shaking Hazard**	High
2% in 50 year PGA	50.2%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
48,594	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Totem Middle School
Building Name	Cafeteria Gym Building
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.054966	48.054966	48.054966
Decimal Longitude	-122.175125	-122.175125	-122.175125
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms	RM2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1958		1958
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Marysville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Totem Middle School	
Building Name	Cafeteria Gym Building	Very High

Building Data

HAZUS Building Type	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms
Year Built	1958	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	77%	77%	Very High	Red
Life Safety Retrofit Building	15%	7.7%	Very Low	Green/Yellow
Current Code Building	12%	5.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Marysville		
Point of Contact	Brandon Klepper		
Telephone	360-965-0095		
E-Mail	brandon_klepper@msvl.k12.wa.us		
File Name	Marysville, Totem Middle School, Home Economics Building EPAT.xlsm	**File Date:**	7/6/2018

District	Marysville
Facility Name	Totem Middle School
Building Part Name	Home Economics Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.2%	**Site Class**	D
10% in 50 year PGA	31.6%	**Ground Shaking Hazard**	High
2% in 50 year PGA	50.2%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,420	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Totem Middle School
Building Name	Home Economics Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.054966	48.054966	48.054966
Decimal Longitude	-122.175125	-122.175125	-122.175125
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1955		1955
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Marysville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Totem Middle School	
Building Name	Home Economics Building	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1955	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	70%	69%	Very High	Red
Life Safety Retrofit Building	15%	7.7%	Very Low	Green/Yellow
Current Code Building	12%	5.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Marysville		
Point of Contact	Brandon Klepper		
Telephone	360-965-0095		
E-Mail	brandon_klepper@msvl.k12.wa.us		
File Name	Marysville, Totem Middle School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Marysville
Facility Name	Totem Middle School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.2%	**Site Class**	D
10% in 50 year PGA	31.6%	**Ground Shaking Hazard**	High
2% in 50 year PGA	50.2%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
22,384	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Totem Middle School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.054966	48.054966	48.054966
Decimal Longitude	-122.175125	-122.175125	-122.175125
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1966		1966
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Marysville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Totem Middle School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1966	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	70%	69%	Very High	Red
Life Safety Retrofit Building	15%	7.7%	Very Low	Green/Yellow
Current Code Building	12%	5.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Marysville		
Point of Contact	Brandon Klepper		
Telephone	360-965-0095		
E-Mail	brandon_klepper@msvl.k12.wa.us		
File Name	Marysville, Totem Middle School, School House Cafe EPAT.xlsm	**File Date:**	7/6/2018

District	Marysville
Facility Name	Totem Middle School
Building Part Name	School House Café

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.2%	**Site Class**	D
10% in 50 year PGA	31.6%	**Ground Shaking Hazard**	High
2% in 50 year PGA	50.2%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,252	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Totem Middle School
Building Name	School House Café
Building Use	Educational/Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.054966	48.054966	48.054966
Decimal Longitude	-122.175125	-122.175125	-122.175125
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1955		1955
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Marysville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Totem Middle School	
Building Name	School House Café	Very High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1955	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	70%	69%	Very High	Red
Life Safety Retrofit Building	15%	7.7%	Very Low	Green/Yellow
Current Code Building	12%	5.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Marysville		
Point of Contact	Brandon Klepper		
Telephone	360-965-0095		
E-Mail	brandon_klepper@msvl.k12.wa.us		
File Name	Marysville, Totem Middle School, Science Building EPAT.xlsm	**File Date:**	7/6/2018

District	Marysville
Facility Name	Totem Middle School
Building Part Name	Science Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.2%	**Site Class**	D
10% in 50 year PGA	31.6%	**Ground Shaking Hazard**	High
2% in 50 year PGA	50.2%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	44%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
5,280	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Totem Middle School
Building Name	Science Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.054966	48.054966	48.054966
Decimal Longitude	-122.175125	-122.175125	-122.175125
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1962		1962
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Marysville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Totem Middle School	
Building Name	Science Building	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1962	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	44%	Earthquake ground shaking hazard is higher than 44% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	70%	69%	Very High	Red
Life Safety Retrofit Building	15%	7.7%	Very Low	Green/Yellow
Current Code Building	12%	5.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Methow Valley		
Point of Contact	Bud Hover (Operations)		
Telephone	509-996-9205		
E-Mail	bhover@methow.org		
File Name	Methow Valley, Liberty Bell Junior Senior High School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Methow Valley
Facility Name	Liberty Bell Junior Senior High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	9.3%	**Site Class**	D
10% in 50 year PGA	14.3%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	28.8%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	26%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
94,000	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Liberty Bell Junior Senior High School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.442311	48.442311	48.442311
Decimal Longitude	-120.184755	-120.184755	-120.184755
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	2		2
Year Built***	1994		1994
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Methow Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Liberty Bell Junior Senior High School	
Building Name	Main Building	Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1994	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	26%	Earthquake ground shaking hazard is higher than 26% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	18%	14%	Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Methow Valley		
Point of Contact	Bud Hover (Operations)		
Telephone	509-996-9205		
E-Mail	bhover@methow.org		
File Name	Methow Valley, Methow Valley Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Methow Valley
Facility Name	Methow Valley Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	9.2%	**Site Class**	D
10% in 50 year PGA	14.3%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	28.7%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	26%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
62,640	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Methow Valley Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.471217	48.471217	48.471217
Decimal Longitude	-120.18459	-120.18459	-120.18459
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1963		1963
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Methow Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Methow Valley Elementary School	
Building Name	Main Building	Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1963	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	26%	Earthquake ground shaking hazard is higher than 26% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	39%	37%	Moderate	Red
Life Safety Retrofit Building	21%	16%	Low	Green/Yellow
Current Code Building	16%	11%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Morton		
Point of Contact	John Hannah		
Telephone	360-496-5300		
E-Mail	jhannah@morton.k12.wa.us		
File Name	Morton, Morton Elementary School. Gymnasium EPAT.xlsm	**File Date:**	7/6/2018

District	Morton
Facility Name	Morton Elementary School
Building Part Name	Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	18.3%	**Site Class**	C
10% in 50 year PGA	26.6%	**Ground Shaking Hazard**	High
2% in 50 year PGA	46.4%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	40%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
8,982	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Morton Elementary School
Building Name	Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.55844	46.55844	46.55844
Decimal Longitude	-122.268557	-122.268557	-122.268557
Site Class (Soil/Rock Type)	C	B	C
Liquefaction Potential	Moderate to High	N/A (Bedrock)	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1985		1985
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Morton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Morton Elementary School	
Building Name	Gymnasium	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1985	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	40%	Earthquake ground shaking hazard is higher than 40% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	27%	21%	Low	Green/Yellow
Life Safety Retrofit Building	8.4%	2.6%	Very Low	Green
Current Code Building	6.5%	1.4%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Morton		
Point of Contact	John Hannah		
Telephone	360-496-5300		
E-Mail	jhannah@morton.k12.wa.us		
File Name	Morton, Morton Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Morton
Facility Name	Morton Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	18.3%	**Site Class**	C
10% in 50 year PGA	26.6%	**Ground Shaking Hazard**	High
2% in 50 year PGA	46.4%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	40%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
25,182	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Morton Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.55844	46.55844	46.55844
Decimal Longitude	-122.268557	-122.268557	-122.268557
Site Class (Soil/Rock Type)	C	B	C
Liquefaction Potential	Moderate to High	N/A (Bedrock)	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1930		1930
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Morton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Morton Elementary School	
Building Name	Main Building	Very Low

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1930	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	40%	Earthquake ground shaking hazard is higher than 40% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	17%	11%	Very Low	Green/Yellow
Life Safety Retrofit Building	13%	6.0%	Very Low	Green
Current Code Building	10.0%	3.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Morton		
Point of Contact	John Hannah		
Telephone	360-496-5300		
E-Mail	jhannah@morton.k12.wa.us		
File Name	Morton, Morton Junior Senior High School, Gymnasium EPAT.xlsm	**File Date:**	7/6/2018

District	Morton
Facility Name	Morton Junior Senior High School
Building Part Name	Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	31.4%	**Site Class**	E
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	41.8%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	39%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
18,787	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Morton Junior Senior High School
Building Name	Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.552763	46.552763	46.552763
Decimal Longitude	-122.272505	-122.272505	-122.272505
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1957		1957
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Morton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Morton Junior Senior High School	
Building Name	Gymnasium	Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1957	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	39%	Earthquake ground shaking hazard is higher than 39% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	40%	33%	Moderate	Yellow/Red
Life Safety Retrofit Building	6.8%	1.7%	Very Low	Green
Current Code Building	5.2%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Morton		
Point of Contact	John Hannah		
Telephone	360-496-5300		
E-Mail	jhannah@morton.k12.wa.us		
File Name	Morton, Morton Junior Senior High School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Morton
Facility Name	Morton Junior Senior High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	31.4%	**Site Class**	E
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	41.8%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	39%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
34,955	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Morton Junior Senior High School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.552763	46.552763	46.552763
Decimal Longitude	-122.272505	-122.272505	-122.272505
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1957		1957
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Morton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Morton Junior Senior High School	
Building Name	Main Building	Moderate-High

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1957	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	39%	Earthquake ground shaking hazard is higher than 39% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	45%	39%	Moderate-High	Red
Life Safety Retrofit Building	6.8%	1.7%	Very Low	Green
Current Code Building	5.2%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Morton		
Point of Contact	John Hannah		
Telephone	360-496-5300		
E-Mail	jhannah@morton.k12.wa.us		
File Name	Morton, Morton Junior Senior High School, Shop EPAT.xlsm	**File Date:**	7/6/2018

District	Morton
Facility Name	Morton Junior Senior High School
Building Part Name	Shop

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	31.4%	**Site Class**	E
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	41.8%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	39%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,625	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Morton Junior Senior High School
Building Name	Shop
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.552763	46.552763	46.552763
Decimal Longitude	-122.272505	-122.272505	-122.272505
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1957		1957
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Morton	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Morton Junior Senior High School	
Building Name	Shop	Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1957	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	39%	Earthquake ground shaking hazard is higher than 39% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	44%	38%	Moderate	Yellow/Red
Life Safety Retrofit Building	6.8%	1.7%	Very Low	Green
Current Code Building	5.2%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mount Baker		
Point of Contact	Tammy Baisden		
Telephone	360-383-2000		
E-Mail	tbaisden@mtbaker.wednet.edu		
File Name	Mount Baker, Mount Baker Junior High School, 200 Building, JHS EPAT.xlsm	**File Date:**	7/6/2018

District	Mount Baker
Facility Name	Mount Baker Junior High School
Building Part Name	200 Building - JHS

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.3%	**Site Class**	D
10% in 50 year PGA	27.9%	**Ground Shaking Hazard**	High
2% in 50 year PGA	45.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
36,425	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mount Baker Junior High School
Building Name	200 Building - JHS
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.828968	48.828968	48.828968
Decimal Longitude	-122.223002	-122.223002	-122.223002
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1992		1992
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mount Baker	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mount Baker Junior High School	
Building Name	200 Building - JHS	Very Low

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1992	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	13%	7.0%	Very Low	Green
Life Safety Retrofit Building	8.1%	2.4%	Very Low	Green
Current Code Building	6.2%	1.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mount Baker		
Point of Contact	Tammy Baisden		
Telephone	360-383-2000		
E-Mail	tbaisden@mtbaker.wednet.edu		
File Name	Mount Baker, Mount Baker Junior High School, Pro Rate Portion of Commons	**File Date:**	7/6/2018

District	Mount Baker
Facility Name	Mount Baker Junior High School
Building Part Name	Pro Rate Portion of Commons Building 100

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.3%	**Site Class**	D
10% in 50 year PGA	27.9%	**Ground Shaking Hazard**	High
2% in 50 year PGA	45.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
8,364	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mount Baker Junior High School
Building Name	Pro Rate Portion of Commons Building 100
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.828968	48.828968	48.828968
Decimal Longitude	-122.223002	-122.223002	-122.223002
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1990		1990
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mount Baker	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mount Baker Junior High School	
Building Name	Pro Rate Portion of Commons Building 100	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1990	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	13%	6.4%	Very Low	Green
Life Safety Retrofit Building	8.1%	2.4%	Very Low	Green
Current Code Building	6.2%	1.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mount Baker		
Point of Contact	Tammy Baisden		
Telephone	360-383-2000		
E-Mail	tbaisden@mtbaker.wednet.edu		
File Name	Mount Baker, Mount Baker Senior High School, 300 North EPAT.xlsm	**File Date:**	7/6/2018

District	Mount Baker
Facility Name	Mount Baker Senior High School
Building Part Name	300 North

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.3%	**Site Class**	D
10% in 50 year PGA	27.9%	**Ground Shaking Hazard**	High
2% in 50 year PGA	45.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
8,079	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mount Baker Senior High School
Building Name	300 North
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.82572	48.82572	48.82572
Decimal Longitude	-122.221155	-122.221155	-122.221155
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1980		1980
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mount Baker	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mount Baker Senior High School	
Building Name	300 North	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1980	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	19%	13%	Low	Green/Yellow
Life Safety Retrofit Building	8.1%	2.4%	Very Low	Green
Current Code Building	6.2%	1.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mount Baker		
Point of Contact	Tammy Baisden		
Telephone	360-383-2000		
E-Mail	tbaisden@mtbaker.wednet.edu		
File Name	Mount Baker, Mount Baker Senior High School, 300 South EPAT.xlsm	**File Date:**	7/6/2018

District	Mount Baker
Facility Name	Mount Baker Senior High School
Building Part Name	300 South

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.3%	**Site Class**	D
10% in 50 year PGA	27.9%	**Ground Shaking Hazard**	High
2% in 50 year PGA	45.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
23,348	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mount Baker Senior High School
Building Name	300 South
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.82572	48.82572	48.82572
Decimal Longitude	-122.221155	-122.221155	-122.221155
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1980		1980
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mount Baker	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mount Baker Senior High School	
Building Name	300 South	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1980	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	19%	13%	Low	Green/Yellow
Life Safety Retrofit Building	8.1%	2.4%	Very Low	Green
Current Code Building	6.2%	1.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mount Baker		
Point of Contact	Tammy Baisden		
Telephone	360-383-2000		
E-Mail	tbaisden@mtbaker.wednet.edu		
File Name	Mount Baker, Mount Baker Senior High School, 700 Building EPAT.xlsm	**File Date:**	7/6/2018

District	Mount Baker
Facility Name	Mount Baker Senior High School
Building Part Name	700 Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.3%	**Site Class**	D
10% in 50 year PGA	27.9%	**Ground Shaking Hazard**	High
2% in 50 year PGA	45.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
15,710	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mount Baker Senior High School
Building Name	700 Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.82572	48.82572	48.82572
Decimal Longitude	-122.221155	-122.221155	-122.221155
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1992		1992
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mount Baker	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mount Baker Senior High School	
Building Name	700 Building	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1992	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	16%	8.9%	Very Low	Green
Life Safety Retrofit Building	8.1%	2.4%	Very Low	Green
Current Code Building	6.2%	1.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mount Baker		
Point of Contact	Tammy Baisden		
Telephone	360-383-2000		
E-Mail	tbaisden@mtbaker.wednet.edu		
File Name	Mount Baker, Mount Baker Senior High School, 800 Building EPAT.xlsm	**File Date:**	7/6/2018

District	Mount Baker
Facility Name	Mount Baker Senior High School
Building Part Name	800 Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.3%	**Site Class**	D
10% in 50 year PGA	27.9%	**Ground Shaking Hazard**	High
2% in 50 year PGA	45.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
21,425	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mount Baker Senior High School
Building Name	800 Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.82572	48.82572	48.82572
Decimal Longitude	-122.221155	-122.221155	-122.221155
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1970		1970
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mount Baker	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mount Baker Senior High School	
Building Name	800 Building	Moderate-High

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1970	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	48%	43%	Moderate-High	Red
Life Safety Retrofit Building	8.1%	2.4%	Very Low	Green
Current Code Building	6.2%	1.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mount Baker		
Point of Contact	Tammy Baisden		
Telephone	360-383-2000		
E-Mail	tbaisden@mtbaker.wednet.edu		
File Name	Mount Baker, Mount Baker Senior High School, Field House EPAT.xlsm	**File Date:**	7/6/2018

District	Mount Baker
Facility Name	Mount Baker Senior High School
Building Part Name	Field House

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.3%	**Site Class**	D
10% in 50 year PGA	27.9%	**Ground Shaking Hazard**	High
2% in 50 year PGA	45.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
30,941	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mount Baker Senior High School
Building Name	Field House
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.82572	48.82572	48.82572
Decimal Longitude	-122.221155	-122.221155	-122.221155
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1968		1968
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mount Baker	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mount Baker Senior High School	
Building Name	Field House	High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1968	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	65%	64%	High	Red
Life Safety Retrofit Building	12%	5.6%	Very Low	Green
Current Code Building	9.6%	3.5%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mount Baker		
Point of Contact	Tammy Baisden		
Telephone	360-383-2000		
E-Mail	tbaisden@mtbaker.wednet.edu		
File Name	Mount Baker, Mount Baker Senior High School, Pro Rate Portion of Commons	**File Date:**	7/6/2018

District	Mount Baker
Facility Name	Mount Baker Senior High School
Building Part Name	Pro Rate Portion of Commons Building 100

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.3%	**Site Class**	D
10% in 50 year PGA	27.9%	**Ground Shaking Hazard**	High
2% in 50 year PGA	45.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
24,858	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Mount Baker Senior High School
Building Name	Pro Rate Portion of Commons Building 100
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.82572	48.82572	48.82572
Decimal Longitude	-122.221155	-122.221155	-122.221155
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1992		1992
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mount Baker	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Mount Baker Senior High School	
Building Name	Pro Rate Portion of Commons Building 100	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1992	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	13%	6.4%	Very Low	Green
Life Safety Retrofit Building	8.1%	2.4%	Very Low	Green
Current Code Building	6.2%	1.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Mount Vernon		
Point of Contact	Bill Nutting		
Telephone	360-428-6113		
E-Mail	bnutting@mvsd320.org		
File Name	Mount Vernon, Lincoln Elementary School, Main Building EPAT.xlsm	**File Date:**	9/26/2018

District	Mount Vernon
Facility Name	Lincoln Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	18.6%	**Site Class**	C
10% in 50 year PGA	26.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	47.7%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	48%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
40,002	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Lincoln Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.41525	48.41525	48.41525
Decimal Longitude	-122.327569	-122.327569	-122.327569
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	3		3
Year Built***	1938		1938
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Mount Vernon	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Lincoln Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1938	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	48%	Earthquake ground shaking hazard is higher than 48% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	75%	75%	Very High	Red
Life Safety Retrofit Building	14%	6.6%	Very Low	Green
Current Code Building	11%	4.1%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Naches Valley		
Point of Contact	John Blanchard		
Telephone	509-653-1529		
E-Mail	jblanchard@nvsd.org		
File Name	Naches Valley, Naches Valley High School, Gym Building EPAT.xlsm	**File Date:**	7/6/2018

District	Naches Valley
Facility Name	Naches Valley High School
Building Part Name	Gym Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	11.5%	**Site Class**	D
10% in 50 year PGA	17.0%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	30.8%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	26%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
21,000	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Naches Valley High School
Building Name	Gym Building
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.736258	46.736258	46.736258
Decimal Longitude	-120.703	-120.69469	-120.703
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	PC1	Precast Concrete Tilt-Up Walls	PC1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1979		1979
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Naches Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Naches Valley High School	
Building Name	Gym Building	Moderate

Building Data

HAZUS Building Type	PC1	Precast Concrete Tilt-Up Walls
Year Built	1979	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	26%	Earthquake ground shaking hazard is higher than 26% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	41%	38%	Moderate	Red
Life Safety Retrofit Building	31%	25%	Low-Moderate	Yellow/Red
Current Code Building	25%	19%	Low	Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Naches Valley		
Point of Contact	John Blanchard		
Telephone	509-653-1529		
E-Mail	jblanchard@nvsd.org		
File Name	Naches Valley, Naches Valley High School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Naches Valley
Facility Name	Naches Valley High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	11.4%	**Site Class**	D
10% in 50 year PGA	17.0%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	30.7%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	26%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
47,500	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Naches Valley High School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.736258	46.736258	46.736258
Decimal Longitude	-120.69469	-120.69469	-120.69469
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	2		2
Year Built***	1979		1979
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1973		1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Naches Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Naches Valley High School	
Building Name	Main Building	Low-Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1979	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1973 UBC	
Existing Building Code Level	Low-Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	26%	Earthquake ground shaking hazard is higher than 26% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	37%	35%	Low-Moderate	Red
Life Safety Retrofit Building	24%	19%	Low	Green/Yellow
Current Code Building	19%	14%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Naches Valley		
Point of Contact	John Blanchard		
Telephone	509-653-1529		
E-Mail	jblanchard@nvsd.org		
File Name	Naches Valley, Naches Valley High School, Vocational Building EPAT.xlsm	**File Date:**	7/6/2018

District	Naches Valley
Facility Name	Naches Valley High School
Building Part Name	Vocational Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	11.4%	**Site Class**	D
10% in 50 year PGA	17.0%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	30.7%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	26%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
17,200	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Naches Valley High School
Building Name	Vocational Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.736258	46.736258	46.736258
Decimal Longitude	-120.69469	-120.69469	-120.69469
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1979		1979
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1973		1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Naches Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Naches Valley High School	
Building Name	Vocational Building	Low-Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1979	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1973 UBC	
Existing Building Code Level	Low-Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	26%	Earthquake ground shaking hazard is higher than 26% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	37%	35%	Low-Moderate	Red
Life Safety Retrofit Building	24%	19%	Low	Green/Yellow
Current Code Building	19%	14%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Naches Valley		
Point of Contact	John Blanchard		
Telephone	509-653-1529		
E-Mail	jblanchard@nvsd.org		
File Name	Naches Valley, Naches Valley Middle School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Naches Valley
Facility Name	Naches Valley Middle School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.6%	**Site Class**	C
10% in 50 year PGA	12.9%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	27.0%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
65,803	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Naches Valley Middle School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.729213	46.729213	46.729213
Decimal Longitude	-120.694717	-120.694717	-120.694717
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1994		1994
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Naches Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Naches Valley Middle School	
Building Name	Main Building	Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1994	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	15%	12%	Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Newport		
Point of Contact	Scott Armstrong		
Telephone	509-481-0574		
E-Mail	armstrongscott@newportgriz.com		
File Name	Newport, Newport High School, Main Building EPAT.xlsm	**File Date:**	7/24/2018

District	Newport
Facility Name	Newport High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.8%	**Site Class**	C
10% in 50 year PGA	6.3%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	17.6%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	7%	**Combined Earthquake Hazard Level**	Low

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
78,838	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Newport High School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.177042	48.177042	48.177042
Decimal Longitude	-117.060998	-117.060998	-117.060998
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	PC1	Precast Concrete Tilt-Up Walls	PC1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1983		1983
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Newport	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Newport High School	
Building Name	Main Building	Low

Building Data

HAZUS Building Type	PC1	Precast Concrete Tilt-Up Walls
Year Built	1983	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	7%	Earthquake ground shaking hazard is higher than 7% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Low	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	19%	16%	Low	Green/Yellow
Life Safety Retrofit Building	9.6%	5.8%	Very Low	Green/Yellow
Current Code Building	6.8%	3.6%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	North Beach		
Point of Contact	Stan Sturgeon		
Telephone	360-581-6386		
E-Mail	ssturgeon@northbeachschools.org		
File Name	North Beach, Pacific Beach Elementary School, Gym Lunchroom EPAT.xlsm	**File Date:**	7/6/2018

District	North Beach
Facility Name	Pacific Beach Elementary School
Building Part Name	Gym/Lunchroom

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.1%	**Site Class**	D
10% in 50 year PGA	33.5%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	77.5%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	100%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,049	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Pacific Beach Elementary School
Building Name	Gym/Lunchroom
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.208419	47.208419	47.208419
Decimal Longitude	-124.200092	-124.200092	-124.200092
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1956		1956
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	North Beach	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Pacific Beach Elementary School	
Building Name	Gym/Lunchroom	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1956	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	100%	Earthquake ground shaking hazard is higher than 100% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	91%	92%	Very High	Red
Life Safety Retrofit Building	31%	23%	Low-Moderate	Yellow
Current Code Building	26%	18%	Low	Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	North Beach		
Point of Contact	Stan Sturgeon		
Telephone	360-581-6386		
E-Mail	ssturgeon@northbeachschools.org		
File Name	North Beach, Pacific Beach Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	North Beach
Facility Name	Pacific Beach Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.1%	**Site Class**	D
10% in 50 year PGA	33.5%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	77.5%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	100%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,857	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Pacific Beach Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.208419	47.208419	47.208419
Decimal Longitude	-124.200092	-124.200092	-124.200092
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1956		1956
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	North Beach	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Pacific Beach Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1956	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	100%	Earthquake ground shaking hazard is higher than 100% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	72%	69%	Very High	Red
Life Safety Retrofit Building	22%	13%	Very Low	Green/Yellow
Current Code Building	18%	9.1%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	North Beach		
Point of Contact	Stan Sturgeon		
Telephone	360-581-6386		
E-Mail	ssturgeon@northbeachschools.org		
File Name	North Beach, Pacific Beach Elementary School, Quad Building EPAT.xlsm	**File Date:**	7/6/2018

District	North Beach
Facility Name	Pacific Beach Elementary School
Building Part Name	Quad Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.1%	**Site Class**	D
10% in 50 year PGA	33.5%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	77.5%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	100%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,884	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Pacific Beach Elementary School
Building Name	Quad Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.208419	47.208419	47.208419
Decimal Longitude	-124.200092	-124.200092	-124.200092
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1970		1970
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	North Beach	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Pacific Beach Elementary School	
Building Name	Quad Building	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1970	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	100%	Earthquake ground shaking hazard is higher than 100% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	87%	88%	Very High	Red
Life Safety Retrofit Building	31%	23%	Low-Moderate	Yellow
Current Code Building	26%	18%	Low	Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ocean Beach		
Point of Contact	Jerry Bruner		
Telephone	360-355-8757		
E-Mail			
File Name	Ocean Beach, Ilwaco (Hilltop) Middle School, Auditorium EPAT.xlsm	**File Date:**	7/6/2018

District	Ocean Beach
Facility Name	Ilwaco Middle High School
Building Part Name	Auditorium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	13.9%	**Site Class**	D
10% in 50 year PGA	28.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.1%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	98%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,369	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Ilwaco Middle High School
Building Name	Auditorium
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.310863	46.310863	46.310863
Decimal Longitude	-124.038872	-124.038872	-124.038872
Site Class (Soil/Rock Type)	D	B	D
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1936		1936
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ocean Beach	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Ilwaco Middle High School	
Building Name	Auditorium	Low-Moderate

Building Data		
HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1936	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	98%	Earthquake ground shaking hazard is higher than 98% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	36%	30%	Low-Moderate	Yellow/Red
Life Safety Retrofit Building	29%	21%	Low	Yellow
Current Code Building	24%	15%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ocean Beach		
Point of Contact	Jerry Bruner		
Telephone	360-355-8757		
E-Mail			
File Name	Ocean Beach, Ilwaco (Hilltop) Middle School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Ocean Beach
Facility Name	Ilwaco Middle High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	13.9%	**Site Class**	D
10% in 50 year PGA	28.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.1%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	98%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
46,330	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Ilwaco Middle High School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.310863	46.310863	46.310863
Decimal Longitude	-124.038872	-124.038872	-124.038872
Site Class (Soil/Rock Type)	D	B	D
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	3		3
Year Built***	1932		1932
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ocean Beach	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Ilwaco Middle High School	
Building Name	Main Building	Moderate

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1932	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	98%	Earthquake ground shaking hazard is higher than 98% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	46%	40%	Moderate	Red
Life Safety Retrofit Building	29%	21%	Low	Yellow
Current Code Building	24%	15%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ocean Beach		
Point of Contact	Jerry Bruner		
Telephone	360-355-8757		
E-Mail			
File Name	Ocean Beach, Ilwaco High School, Ilwaco High School EPAT.xlsm	**File Date:**	7/6/2018

District	Ocean Beach
Facility Name	Ilwaco Middle High School
Building Part Name	Ilwaco High School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	13.9%	**Site Class**	D
10% in 50 year PGA	28.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.1%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	98%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
89,249	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Ilwaco Middle High School
Building Name	Ilwaco High School
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.310863	46.310863	46.310863
Decimal Longitude	-124.038872	-124.038872	-124.038872
Site Class (Soil/Rock Type)	D	B	D
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1971		1971
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ocean Beach	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Ilwaco Middle High School	
Building Name	Ilwaco High School	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1971	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	98%	Earthquake ground shaking hazard is higher than 98% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	78%	76%	Very High	Red
Life Safety Retrofit Building	20%	11%	Very Low	Green/Yellow
Current Code Building	16%	7.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ocean Beach		
Point of Contact	Jerry Bruner		
Telephone	360-355-8757		
E-Mail			
File Name	Ocean Beach, Ilwaco Middle High School, Stadium Complex EPAT.xlsm	**File Date:**	7/6/2018

District	Ocean Beach
Facility Name	Ilwaco Middle High School
Building Part Name	Stadium Complex

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	13.9%	**Site Class**	D
10% in 50 year PGA	28.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.1%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	98%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
11,568	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Ilwaco Middle High School
Building Name	Stadium Complex
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.310863	46.310863	46.310863
Decimal Longitude	-124.038872	-124.038872	-124.038872
Site Class (Soil/Rock Type)	D	B	D
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms	RM2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1976		1976
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1973		1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ocean Beach	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Ilwaco Middle High School	
Building Name	Stadium Complex	Very High

Building Data		
HAZUS Building Type	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms
Year Built	1976	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1973 UBC	
Existing Building Code Level	Low-Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	98%	Earthquake ground shaking hazard is higher than 98% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	84%	84%	Very High	Red
Life Safety Retrofit Building	29%	21%	Low	Yellow
Current Code Building	24%	15%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ocean Beach		
Point of Contact	Jerry Bruner		
Telephone	360-355-8757		
E-Mail			
File Name	Ocean Beach, Long Beach Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Ocean Beach
Facility Name	Long Beach Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	14.2%	**Site Class**	D
10% in 50 year PGA	28.3%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.6%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	98%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
36,213	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Long Beach Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.349251	46.349251	46.349251
Decimal Longitude	-124.052469	-124.052469	-124.052469
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1964		1964
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ocean Beach	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Long Beach Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1964	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	98%	Earthquake ground shaking hazard is higher than 98% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	78%	76%	Very High	Red
Life Safety Retrofit Building	20%	11%	Very Low	Green/Yellow
Current Code Building	16%	7.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ocean Beach		
Point of Contact	Jerry Bruner		
Telephone	360-355-8757		
E-Mail			
File Name	Ocean Beach, Ocean Park Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Ocean Beach
Facility Name	Ocean Park Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	15.8%	**Site Class**	D
10% in 50 year PGA	29.4%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	73.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	99%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
35,593	Tim Green, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Ocean Park Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.488538	46.488538	46.488538
Decimal Longitude	-124.050023	-124.050023	-124.050023
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	2005		2005
Code for Building Design (if known)	IBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	IBC
Design Code Year (if known)	2003-Present		2003-Present
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ocean Beach	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Ocean Park Elementary School	
Building Name	Main Building	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	2005	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	2003-Present IBC	
Existing Building Code Level	High	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	99%	Earthquake ground shaking hazard is higher than 99% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	21%	13%	Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	Tim Green, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ocosta		
Point of Contact	Steve Schmeling		
Telephone	360-580-7173		
E-Mail	sschmeling@ocosta.org		
File Name	Ocosta, Ocosta Elementary School, Primary Addition EPAT.xlsm	**File Date:**	7/6/2018

District	Ocosta
Facility Name	Ocosta Elementary School
Building Part Name	Primary Addition

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.0%	**Site Class**	D
10% in 50 year PGA	32.6%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	75.7%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	99%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
15,530	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Ocosta Elementary School
Building Name	Primary Addition
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.861897	46.861897	46.861897
Decimal Longitude	-124.099708	-124.099708	-124.099708
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1986		1986
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ocosta	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Ocosta Elementary School	
Building Name	Primary Addition	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1986	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	99%	Earthquake ground shaking hazard is higher than 99% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	79%	80%	Very High	Red
Life Safety Retrofit Building	30%	22%	Low-Moderate	Yellow
Current Code Building	25%	17%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ocosta		
Point of Contact	Steve Schmeling		
Telephone	360-580-7173		
E-Mail	sschmeling@ocosta.org		
File Name	Ocosta, Ocosta Junior Senior High School, Junior Senior High School EPAT.xlsm	**File Date:**	7/6/2018

District	Ocosta
Facility Name	Ocosta Junior Senior High School
Building Part Name	Junior Senior High School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.0%	**Site Class**	D
10% in 50 year PGA	32.6%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	75.8%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	99%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
67,265	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Ocosta Junior Senior High School
Building Name	Junior Senior High School
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.864404	46.864404	46.864404
Decimal Longitude	-124.100877	-124.100877	-124.100877
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1986		1986
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ocosta	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Ocosta Junior Senior High School	
Building Name	Junior Senior High School	Very High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1986	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	99%	Earthquake ground shaking hazard is higher than 99% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	83%	84%	Very High	Red
Life Safety Retrofit Building	30%	22%	Low-Moderate	Yellow
Current Code Building	25%	17%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Oroville		
Point of Contact	Eric McKinney		
Telephone	509-476-2281		
E-Mail	erin.mckinney@oroville.wednet.edu		
File Name	Oroville, Oroville Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Oroville
Facility Name	Oroville Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	6.2%	**Site Class**	D
10% in 50 year PGA	10.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	23.3%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	10%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
65,534	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Oroville Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.931966	48.931966	48.931966
Decimal Longitude	-119.436699	-119.436699	-119.436699
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1954		1954
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Oroville	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Oroville Elementary School	
Building Name	Main Building	Low-Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1954	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	10%	Earthquake ground shaking hazard is higher than 10% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	29%	25%	Low-Moderate	Red
Life Safety Retrofit Building	14%	9.1%	Very Low	Green/Yellow
Current Code Building	10%	6.0%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Palisades		
Point of Contact	Ismael Vivanco		
Telephone	509-670-8006		
E-Mail	ishv@ncesd.org		
File Name	Palisades, Palisades Elementary School, Grange Hall EPAT.xlsm	**File Date:**	7/6/2018

District	Palisades
Facility Name	Palisades Elementary School
Building Part Name	Grange Hall

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.4%	**Site Class**	D
10% in 50 year PGA	13.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	26.7%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	26%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
3,049	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Palisades Elementary School
Building Name	Grange Hall
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.416379	47.416379	47.416379
Decimal Longitude	-119.917649	-119.917649	-119.917649
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1930		1930
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Palisades	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Palisades Elementary School	
Building Name	Grange Hall	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1930	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	26%	Earthquake ground shaking hazard is higher than 26% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	20%	13%	Low	Green/Yellow
Life Safety Retrofit Building	10%	4.6%	Very Low	Green
Current Code Building	7.7%	2.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Palisades		
Point of Contact	Ishmael Vivanco		
Telephone	509-670-8006		
E-Mail	ishv@ncesd.org		
File Name	Palisades, Palisades Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Palisades
Facility Name	Palisades Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.4%	**Site Class**	D
10% in 50 year PGA	13.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	26.7%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	26%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
5,084	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Palisades Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.416379	47.416379	47.416379
Decimal Longitude	-119.917649	-119.917649	-119.917649
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1923		1923
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Palisades	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Palisades Elementary School	
Building Name	Main Building	Moderate

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1923	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	26%	Earthquake ground shaking hazard is higher than 26% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	32%	28%	Moderate	Red
Life Safety Retrofit Building	18%	13%	Low	Green/Yellow
Current Code Building	14%	9.2%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Pasco		
Point of Contact	Randy Nunamaker		
Telephone	509-543-6713		
E-Mail	rnunamaker@psd1.org		
File Name	Pasco, Edwin Markham Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Pasco
Facility Name	Edwin Markham Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	6.9%	**Site Class**	D
10% in 50 year PGA	11.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	25.2%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	18%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
36,500	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Edwin Markham Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.430168	46.430168	46.430168
Decimal Longitude	-119.193102	-119.193102	-119.193102
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1962		1962
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Pasco	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Edwin Markham Elementary School	
Building Name	Main Building	Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1962	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	18%	Earthquake ground shaking hazard is higher than 18% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	18%	12%	Low	Green/Yellow
Life Safety Retrofit Building	9.1%	3.8%	Very Low	Green
Current Code Building	6.8%	2.2%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Pateros		
Point of Contact	Brian Roust		
Telephone	509-449-2458		
E-Mail	braust@pateros.org		
File Name	Pateros, Pateros K12 School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Pateros
Facility Name	Pateros High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.8%	**Site Class**	D
10% in 50 year PGA	13.9%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	28.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	28%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
51,157	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Pateros High School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.052637	48.052637	48.052637
Decimal Longitude	-119.905261	-119.905261	-119.905261
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	2		2
Year Built***	1948		1948
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Pateros	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Pateros High School	
Building Name	Main Building	Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1948	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	28%	Earthquake ground shaking hazard is higher than 28% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	39%	36%	Moderate	Red
Life Safety Retrofit Building	21%	16%	Low	Green/Yellow
Current Code Building	16%	11%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Pateros		
Point of Contact	Brian Roust		
Telephone	509-449-2458		
E-Mail	braust@pateros.org		
File Name	Pateros, Pateros K12 School, Metal Shop EPAT.xlsm	**File Date:**	7/23/2018

District	Pateros
Facility Name	Pateros High School
Building Part Name	Metal Shop

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.8%	**Site Class**	D
10% in 50 year PGA	13.9%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	28.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	28%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
3,420	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Pateros High School
Building Name	Metal Shop
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.052637	48.052637	48.052637
Decimal Longitude	-119.905261	-119.905261	-119.905261
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	S2	Steel Braced Frame	S2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1962		1962
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Pateros	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Pateros High School	
Building Name	Metal Shop	Moderate

Building Data

HAZUS Building Type	S2	Steel Braced Frame
Year Built	1962	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	28%	Earthquake ground shaking hazard is higher than 28% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	42%	39%	Moderate	Red
Life Safety Retrofit Building	23%	17%	Low	Yellow
Current Code Building	18%	12%	Very Low	Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Pateros		
Point of Contact	Brian Roust		
Telephone	509-449-2458		
E-Mail	braust@pateros.org		
File Name	Pateros, Pateros K12 School, Music Building EPAT.xlsm	**File Date:**	7/23/2018

District	Pateros
Facility Name	Pateros High School
Building Part Name	Music Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.8%	**Site Class**	D
10% in 50 year PGA	13.9%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	28.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	28%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
1,680	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Pateros High School
Building Name	Music Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.052637	48.052637	48.052637
Decimal Longitude	-119.905261	-119.905261	-119.905261
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1958		1958
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Pateros	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Pateros High School	
Building Name	Music Building	Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1958	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	28%	Earthquake ground shaking hazard is higher than 28% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	39%	36%	Moderate	Red
Life Safety Retrofit Building	21%	16%	Low	Green/Yellow
Current Code Building	16%	11%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Pateros		
Point of Contact	Brian Roust		
Telephone	509-449-2458		
E-Mail	braust@pateros.org		
File Name	Pateros, Pateros K12 School, Wood Shop EPAT.xlsm	**File Date:**	7/23/2018

District	Pateros
Facility Name	Pateros High School
Building Part Name	Wood Shop

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.8%	**Site Class**	D
10% in 50 year PGA	13.9%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	28.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	28%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
3,420	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Pateros High School
Building Name	Wood Shop
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.052637	48.052637	48.052637
Decimal Longitude	-119.905261	-119.905261	-119.905261
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1995		1995
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Pateros	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Pateros High School	
Building Name	Wood Shop	Very Low

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1995	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	28%	Earthquake ground shaking hazard is higher than 28% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	10%	5.1%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Paterson		
Point of Contact	John Seaton		
Telephone	509-875-2601		
E-Mail	johnse@patersonschool.org		
File Name	Paterson, Paterson Elementary School, Main Building.xlsm	**File Date:**	7/6/2018

District	Paterson
Facility Name	Paterson Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.7%	**Site Class**	B
10% in 50 year PGA	7.5%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	19.1%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	21%	**Combined Earthquake Hazard Level**	Low

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
14,970	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Paterson Elementary School
Building Name	Main Building
Building Use	Education

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.93859	45.93859	45.93859
Decimal Longitude	-119.608198	-119.608198	-119.608198
Site Class (Soil/Rock Type)	B	D	B
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1968		1968
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Paterson	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Paterson Elementary School	
Building Name	Main Building	Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1968	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	21%	Earthquake ground shaking hazard is higher than 21% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Low	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	24%	21%	Low	Green/Yellow
Life Safety Retrofit Building	8.4%	4.9%	Very Low	Green/Yellow
Current Code Building	5.9%	2.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Port Angeles		
Point of Contact	Michelle Olson		
Telephone	360-775-5796		
E-Mail			
File Name	Port Angeles, Roosevelt Elementary School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Port Angeles
Facility Name	Roosevelt Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.7%	**Site Class**	C
10% in 50 year PGA	34.9%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	72.0%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	100%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
23,785	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Roosevelt Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.103521	48.103521	48.103521
Decimal Longitude	-123.38632	-123.38632	-123.38632
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1978		1978
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Port Angeles	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Roosevelt Elementary School	
Building Name	Main Building	Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1978	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	100%	Earthquake ground shaking hazard is higher than 100% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	44%	39%	Moderate	Red
Life Safety Retrofit Building	19%	11%	Very Low	Green/Yellow
Current Code Building	15%	7.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Port Townsend		
Point of Contact	Brad Taylor		
Telephone	360-379-4513		
E-Mail	btaylor@ptschools.org		
File Name	Port Townsend, Port Townsend High School, Gymnasium EPAT.xlsm	**File Date:**	7/23/2018

District	Port Townsend
Facility Name	Port Townsend High School
Building Part Name	Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	27.2%	**Site Class**	D
10% in 50 year PGA	35.1%	**Ground Shaking Hazard**	High
2% in 50 year PGA	58.3%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	82%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
34,112	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Port Townsend High School
Building Name	Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.118278	48.118278	48.118278
Decimal Longitude	-122.76785	-122.76785	-122.76785
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1941		1941
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Port Townsend	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Port Townsend High School	
Building Name	Gymnasium	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1941	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	82%	Earthquake ground shaking hazard is higher than 82% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	74%	73%	Very High	Red
Life Safety Retrofit Building	20%	12%	Very Low	Green/Yellow
Current Code Building	16%	8.1%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Port Townsend		
Point of Contact	Brad Taylor		
Telephone	360-379-4513		
E-Mail	btaylor@btschools.org		
File Name	Port Townsend, Port Townsend High School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Port Townsend
Facility Name	Port Townsend High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	27.2%	**Site Class**	D
10% in 50 year PGA	35.1%	**Ground Shaking Hazard**	High
2% in 50 year PGA	58.3%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	82%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
45,578	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Port Townsend High School
Building Name	Main Building
Building Use	Education

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.118278	48.118278	48.118278
Decimal Longitude	-122.76785	-122.76785	-122.76785
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	3		3
Year Built***	1934		1934
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Port Townsend	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Port Townsend High School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1934	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	82%	Earthquake ground shaking hazard is higher than 82% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	79%	78%	Very High	Red
Life Safety Retrofit Building	20%	12%	Very Low	Green/Yellow
Current Code Building	16%	8.1%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Port Townsend		
Point of Contact	Brad Taylor		
Telephone	360-379-4513		
E-Mail	btaylor@ptschools.org		
File Name	Port Townsend, Port Townsend High School, Math Science Annex EPAT.xlsm	**File Date:**	7/23/2018

District	Port Townsend
Facility Name	Port Townsend High School
Building Part Name	Math Science Annex

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	27.2%	**Site Class**	D
10% in 50 year PGA	35.1%	**Ground Shaking Hazard**	High
2% in 50 year PGA	58.3%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	82%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
13,169	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Port Townsend High School
Building Name	Math Science Annex
Building Use	Education

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.118278	48.118278	48.118278
Decimal Longitude	-122.76785	-122.76785	-122.76785
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1928		1928
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Port Townsend	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Port Townsend High School	
Building Name	Math Science Annex	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1928	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	82%	Earthquake ground shaking hazard is higher than 82% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	79%	78%	Very High	Red
Life Safety Retrofit Building	20%	12%	Very Low	Green/Yellow
Current Code Building	16%	8.1%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Port Townsend		
Point of Contact	Brad Taylor		
Telephone	360-379-4513		
E-Mail	btaylor@ptschools.org		
File Name	Port Townsend, Port Townsend High School, Stuart Building EPAT.xlsm	**File Date:**	7/23/2018

District	Port Townsend
Facility Name	Port Townsend High School
Building Part Name	Stuart Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	27.2%	**Site Class**	D
10% in 50 year PGA	35.1%	**Ground Shaking Hazard**	High
2% in 50 year PGA	58.3%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	82%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
17,912	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Port Townsend High School
Building Name	Stuart Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.118278	48.118278	48.118278
Decimal Longitude	-122.76785	-122.76785	-122.76785
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1952		1952
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Port Townsend	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Port Townsend High School	
Building Name	Stuart Building	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1952	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	82%	Earthquake ground shaking hazard is higher than 82% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	57%	53%	High	Red
Life Safety Retrofit Building	13%	5.7%	Very Low	Green
Current Code Building	10%	3.5%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Puyallup		
Point of Contact	Gary Frentress		
Telephone	253-841-8641		
E-Mail	frentrgi@puyallup.k12.wa.us		
File Name	Puyallup, Maplewood Elementary School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Puyallup
Facility Name	Maplewood Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.6%	**Site Class**	E
10% in 50 year PGA	36.2%	**Ground Shaking Hazard**	High
2% in 50 year PGA	48.9%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	49%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
43,621	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Maplewood Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.189944	47.189944	47.189944
Decimal Longitude	-122.308828	-122.308828	-122.308828
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1934		1934
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Puyallup	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Maplewood Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1934	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	49%	Earthquake ground shaking hazard is higher than 49% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	71%	69%	Very High	Red
Life Safety Retrofit Building	14%	7.1%	Very Low	Green/Yellow
Current Code Building	11%	4.5%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Puyallup		
Point of Contact	Gary Frentress		
Telephone	253-841-8641		
E-Mail	frentrgi@puyallup.k12.wa.us		
File Name	Puyallup, Puyallup High School, Gymnasium and Swimming Pool Building	**File Date:**	7/23/2018

District	Puyallup
Facility Name	Puyallup High School
Building Part Name	Gymnasium and Swimming Pool Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.6%	**Site Class**	E
10% in 50 year PGA	36.2%	**Ground Shaking Hazard**	High
2% in 50 year PGA	48.8%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	49%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
66,488	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Puyallup High School
Building Name	Gymnasium and Swimming Pool Building
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.191216	47.191216	47.191216
Decimal Longitude	-122.302605	-122.302605	-122.302605
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1958		1958
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Puyallup	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Puyallup High School	
Building Name	Gymnasium and Swimming Pool Building	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1958	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	49%	Earthquake ground shaking hazard is higher than 49% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	58%	54%	High	Red
Life Safety Retrofit Building	9.3%	3.1%	Very Low	Green
Current Code Building	7.2%	1.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Puyallup		
Point of Contact	Gary Frentress		
Telephone	253-841-8641		
E-Mail	frentrgi@puyallup.k12.wa.us		
File Name	Puyallup, Puyallup High School, Library Science Building EPAT.xlsm	**File Date:**	7/23/2018

District	Puyallup
Facility Name	Puyallup High School
Building Part Name	Library Science Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.6%	**Site Class**	E
10% in 50 year PGA	36.2%	**Ground Shaking Hazard**	High
2% in 50 year PGA	48.8%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	49%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
25,262	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Puyallup High School
Building Name	Library Science Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.191216	47.191216	47.191216
Decimal Longitude	-122.302605	-122.302605	-122.302605
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1962		1962
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Puyallup	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Puyallup High School	
Building Name	Library Science Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1962	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	49%	Earthquake ground shaking hazard is higher than 49% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	63%	60%	Very High	Red
Life Safety Retrofit Building	9.3%	3.1%	Very Low	Green
Current Code Building	7.2%	1.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Puyallup		
Point of Contact	Gary Frentress		
Telephone	253-841-8641		
E-Mail	frentrgi@puyallup.k12.wa.us		
File Name	Puyallup, Puyallup High School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Puyallup
Facility Name	Puyallup High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	33.6%	**Site Class**	E
10% in 50 year PGA	36.2%	**Ground Shaking Hazard**	High
2% in 50 year PGA	48.8%	**Liquefaction Potential**	High
Percentile S_s *Among all WA Campuses*	49%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
121,408	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Puyallup High School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.191216	47.191216	47.191216
Decimal Longitude	-122.302605	-122.302605	-122.302605
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	High	High	High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	3		3
Year Built***	1927		1927
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Puyallup	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Puyallup High School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1927	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	49%	Earthquake ground shaking hazard is higher than 49% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	71%	69%	Very High	Red
Life Safety Retrofit Building	14%	7.1%	Very Low	Green/Yellow
Current Code Building	11%	4.5%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Puyallup		
Point of Contact	Gary Frentress		
Telephone	253-841-8641		
E-Mail	frentrgi@puyallup.k12.wa.us		
File Name	Puyallup, Spinning Elementary School, East, West, Special Education Wings	**File Date:**	7/6/2018

District	Puyallup
Facility Name	Spinning Elementary School
Building Part Name	East, West, Special Education Wings

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	27.0%	**Site Class**	D
10% in 50 year PGA	34.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	54.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	48%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
27,300	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Spinning Elementary School
Building Name	East, West, Special Education Wings
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.188951	47.188951	47.188951
Decimal Longitude	-122.277226	-122.277226	-122.277226
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Puyallup	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Spinning Elementary School	
Building Name	East, West, Special Education Wings	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	48%	Earthquake ground shaking hazard is higher than 48% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	54%	49%	High	Red
Life Safety Retrofit Building	11%	4.5%	Very Low	Green
Current Code Building	8.9%	2.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Puyallup		
Point of Contact	Gary Frentress		
Telephone	253-841-8641		
E-Mail	frentrgi@puyallup.k12.wa.us		
File Name	Puyallup, Spinning Elementary School, Main Building EPAT.xlsm	**File Date:**	7/6/2018

District	Puyallup
Facility Name	Spinning Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	27.0%	**Site Class**	D
10% in 50 year PGA	34.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	54.3%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	48%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
11,480	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Spinning Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.188951	47.188951	47.188951
Decimal Longitude	-122.277226	-122.277226	-122.277226
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	High	Moderate to High
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1923		1923
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Puyallup	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Spinning Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1923	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	48%	Earthquake ground shaking hazard is higher than 48% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	76%	75%	Very High	Red
Life Safety Retrofit Building	17%	9.7%	Very Low	Green/Yellow
Current Code Building	14%	6.4%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Quilcene		
Point of Contact	Robert Heck		
Telephone	360-765-2903		
E-Mail	rheck@qsd48.org		
File Name	Quilcene, Quilcene High and Elementary School, Elementary EPAT.xlsm	**File Date:**	7/23/2018

District	Quilcene
Facility Name	Quilcene High And Elementary School
Building Part Name	Elementary

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.6%	**Site Class**	C
10% in 50 year PGA	33.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	59.9%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	77%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,500	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Quilcene High And Elementary School
Building Name	Elementary
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.823607	47.823607	47.823607
Decimal Longitude	-122.888458	-122.888458	-122.888458
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1952		1952
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Quilcene	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Quilcene High And Elementary School	
Building Name	Elementary	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1952	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	77%	Earthquake ground shaking hazard is higher than 77% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	59%	55%	High	Red
Life Safety Retrofit Building	14%	6.2%	Very Low	Green
Current Code Building	11%	3.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Quilcene		
Point of Contact	Robert Heck		
Telephone	360-765-2903		
E-Mail	rheck@qsd48.org		
File Name	Quilcene, Quilcene High and Elementary School, High School EPAT.xlsm	**File Date:**	7/23/2018

District	Quilcene
Facility Name	Quilcene High And Elementary School
Building Part Name	High School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.6%	**Site Class**	C
10% in 50 year PGA	33.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	59.9%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	77%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,856	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Quilcene High And Elementary School
Building Name	High School
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.823607	47.823607	47.823607
Decimal Longitude	-122.888458	-122.888458	-122.888458
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1935		1935
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Quilcene	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Quilcene High And Elementary School	
Building Name	High School	Very High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1935	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	77%	Earthquake ground shaking hazard is higher than 77% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	78%	78%	Very High	Red
Life Safety Retrofit Building	21%	13%	Low	Green/Yellow
Current Code Building	17%	8.8%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Quilcene		
Point of Contact	Robert Heck		
Telephone	360-765-2903		
E-Mail	rheck@qsd48.org		
File Name	Quilcene, Quilcene High and Elementary School, Middle School EPAT.xlsm	**File Date:**	7/23/2018

District	Quilcene
Facility Name	Quilcene High And Elementary School
Building Part Name	Middle School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.6%	**Site Class**	C
10% in 50 year PGA	33.1%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	59.9%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	77%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
9,438	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Quilcene High And Elementary School
Building Name	Middle School
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.823607	47.823607	47.823607
Decimal Longitude	-122.888458	-122.888458	-122.888458
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1964		1964
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Quilcene	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Quilcene High And Elementary School	
Building Name	Middle School	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1964	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	77%	Earthquake ground shaking hazard is higher than 77% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	59%	55%	High	Red
Life Safety Retrofit Building	14%	6.2%	Very Low	Green
Current Code Building	11%	3.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Raymond		
Point of Contact	Steve Jones		
Telephone	360-591-2383		
E-Mail	sjones@raymond.k12.org		
File Name	Raymond, Raymond Elementary School, Raymond Elementary School EPAT.xlsm	**File Date:**	7/23/2018

District	Raymond
Facility Name	Raymond Elementary School
Building Part Name	Raymond Elementary School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.0%	**Site Class**	D
10% in 50 year PGA	32.0%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	64.4%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	89%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
Unknown Precisely	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Raymond Elementary School
Building Name	Raymond Elementary School
Building Use	Education, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.685886	46.685886	46.685886
Decimal Longitude	-123.724882	-123.724882	-123.724882
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***			
Year Built***	1955		1955
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Raymond	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Raymond Elementary School	
Building Name	Raymond Elementary School	Very High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1955	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	89%	Earthquake ground shaking hazard is higher than 89% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	76%	74%	Very High	Red
Life Safety Retrofit Building	30%	19%	Very Low	Yellow
Current Code Building	26%	14%	Very Low	Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Raymond		
Point of Contact	Steve Jones		
Telephone	360-591-2383		
E-Mail	sjones@raymond.k12.org		
File Name	Raymond, Raymond Juniro Senior High School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Raymond
Facility Name	Raymond Junior Senior High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.0%	**Site Class**	D
10% in 50 year PGA	32.0%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	64.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	89%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
Unknown Precisely	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Raymond Junior Senior High School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.685	46.685183	46.685
Decimal Longitude	-123.726	-123.724882	-123.726
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1925		1925
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Raymond	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Raymond Junior Senior High School	
Building Name	Main Building	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1925	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Coastal	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	89%	Earthquake ground shaking hazard is higher than 89% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	56%	51%	High	Red
Life Safety Retrofit Building	16%	7.8%	Very Low	Green
Current Code Building	13%	5.0%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ridgefield		
Point of Contact	Neil Brinson/Christina (Maintenance Dept.)		
Telephone	360-619-1300		
E-Mail	Krista.Gaylord@RidgefieldSD.org/Neil.Brinson@RidgefieldSD.org		
File Name	Ridgefield, Union Ridge Elementary School, Covered Play Area EPAT.xlsm	**File Date:**	7/23/2018

District	Ridgefield
Facility Name	Union Ridge Elementary School
Building Part Name	Covered Play Area

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	16.0%	**Site Class**	D
10% in 50 year PGA	24.1%	**Ground Shaking Hazard**	High
2% in 50 year PGA	42.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	31%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
2,217	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Union Ridge Elementary School
Building Name	Covered Play Area
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.81778	45.81778	45.81778
Decimal Longitude	-122.742788	-122.742788	-122.742788
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1993		1993
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ridgefield	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Union Ridge Elementary School	
Building Name	Covered Play Area	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1993	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	31%	Earthquake ground shaking hazard is higher than 31% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	9.4%	3.9%	Very Low	Green
Life Safety Retrofit Building	6.9%	1.8%	Very Low	Green
Current Code Building	5.3%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Ridgefield		
Point of Contact	Neil Brinson/Christina (Maintenance Dept.)		
Telephone	360-619-1300		
E-Mail	Krista.Gaylord@RidgefieldSD.org/Neil.Brinson@RidgefieldSD.org		
File Name	Ridgefield, Union Ridge Elementary School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Ridgefield
Facility Name	Union Ridge Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	16.0%	**Site Class**	D
10% in 50 year PGA	24.1%	**Ground Shaking Hazard**	High
2% in 50 year PGA	42.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	31%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
43,178	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Union Ridge Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.81778	45.81778	45.81778
Decimal Longitude	-122.742788	-122.742788	-122.742788
Site Class (Soil/Rock Type)	D	C	D
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1952		1952
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Ridgefield	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Union Ridge Elementary School	
Building Name	Main Building	Moderate-High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1952	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	31%	Earthquake ground shaking hazard is higher than 31% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	46%	40%	Moderate-High	Red
Life Safety Retrofit Building	6.9%	1.8%	Very Low	Green
Current Code Building	5.3%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Riverside		
Point of Contact	Rick Enzler		
Telephone	509-464-8224		
E-Mail	rick.enzler@rsdmail.org		
File Name	Riverside, Union Ridge Elementary School, 35 Wing Building EPAT.xlsm	**File Date:**	7/23/2018

District	Riverside
Facility Name	Chattaroy Elementary School
Building Part Name	35 Wing Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.0%	**Site Class**	D
10% in 50 year PGA	8.3%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	21.5%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	16%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
13,956	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Chattaroy Elementary School
Building Name	35 Wing Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.892264	47.892264	47.892264
Decimal Longitude	-117.357685	-117.357685	-117.357685
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1934		1934
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Riverside	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Chattaroy Elementary School	
Building Name	35 Wing Building	Moderate

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1934	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	16%	Earthquake ground shaking hazard is higher than 16% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	27%	23%	Moderate	Green/Yellow
Life Safety Retrofit Building	11%	7.2%	Very Low	Green/Yellow
Current Code Building	8.2%	4.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Riverside		
Point of Contact	Rick Enzler		
Telephone	509-464-8224		
E-Mail	rick.enzler@rsdmail.org		
File Name	Riverside, Chattaroy Elementary School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Riverside
Facility Name	Chattaroy Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.0%	**Site Class**	D
10% in 50 year PGA	8.3%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	21.5%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	16%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
27,953	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Chattaroy Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.892264	47.892264	47.892264
Decimal Longitude	-117.357685	-117.357685	-117.357685
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1987		1987
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Riverside	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Chattaroy Elementary School	
Building Name	Main Building	Low

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1987	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	16%	Earthquake ground shaking hazard is higher than 16% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	21%	18%	Low	Green/Yellow
Life Safety Retrofit Building	11%	7.2%	Very Low	Green/Yellow
Current Code Building	8.2%	4.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Royal		
Point of Contact	Greg Pike		
Telephone	509-346-2222		
E-Mail	gpike@royalsd.org		
File Name	Royal, Red Rock Elementary School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Royal
Facility Name	Red Rock Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.8%	**Site Class**	C
10% in 50 year PGA	9.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	22.9%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	16%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
57,631	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Red Rock Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.909949	46.909949	46.909949
Decimal Longitude	-119.62551	-119.62551	-119.62551
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1992		1992
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Royal	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Red Rock Elementary School	
Building Name	Main Building	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1992	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	16%	Earthquake ground shaking hazard is higher than 16% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	6.4%	2.4%	Very Low	Green
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Royal		
Point of Contact	Greg Pike		
Telephone	509-346-2222		
E-Mail	gpike@royalsd.org		
File Name	Royal, Royal High School, A Gymnasium EPAT.xlsm	**File Date:**	7/23/2018

District	Royal
Facility Name	Royal High School
Building Part Name	A Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.8%	**Site Class**	C
10% in 50 year PGA	9.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	22.8%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	15%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
31,320	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Royal High School
Building Name	A Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.912866	46.912866	46.912866
Decimal Longitude	-119.627618	-119.627618	-119.627618
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	C3	Concrete Frame Buildings with URM Infill Walls	C3
Number of Stories (Excluding Basement)***	1		1
Year Built***	1965		1965
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Royal	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Royal High School	
Building Name	A Gymnasium	Moderate

Building Data

HAZUS Building Type	C3	Concrete Frame Buildings with URM Infill Walls
Year Built	1965	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	15%	Earthquake ground shaking hazard is higher than 15% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	35%	31%	Moderate	Red
Life Safety Retrofit Building	13%	8.6%	Very Low	Green/Yellow
Current Code Building	9.5%	5.6%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Royal		
Point of Contact	Greg Pike		
Telephone	509-346-2222		
E-Mail	gpike@royalsd.org		
File Name	Royal, Royal High School, B Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Royal
Facility Name	Royal High School
Building Part Name	B Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.8%	**Site Class**	C
10% in 50 year PGA	9.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	22.8%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	15%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
28,636	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Royal High School
Building Name	B Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.912866	46.912866	46.912866
Decimal Longitude	-119.627618	-119.627618	-119.627618
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1965		1965
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Royal	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Royal High School	
Building Name	B Main Building	Low-Moderate

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1965	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	15%	Earthquake ground shaking hazard is higher than 15% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	28%	25%	Low-Moderate	Red
Life Safety Retrofit Building	13%	8.6%	Very Low	Green/Yellow
Current Code Building	9.5%	5.6%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Royal		
Point of Contact	Greg Pike		
Telephone	509-346-2222		
E-Mail	gpike@royalsd.org		
File Name	Royal, Royal Middle School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Royal
Facility Name	Royal Middle School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.8%	**Site Class**	C
10% in 50 year PGA	9.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	22.8%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	16%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
Unknown Precisely	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Royal Middle School
Building Name	Main Building
Building Use	Educational, Academics

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.91117	46.906766	46.91117
Decimal Longitude	-119.627	-119.627632	-119.627
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***			
Year Built***	1991		1991
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Royal	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Royal Middle School	
Building Name	Main Building	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1991	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	16%	Earthquake ground shaking hazard is higher than 16% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	11%	5.8%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Shaw Island		
Point of Contact	Deanna Shannon		
Telephone	360-468-2570		
E-Mail	dshannon@shaw.k12.wa.us		
File Name	Shaw Island, Shaw Island Elementary School, Admin RR Building EPAT.xlsm	**File Date:**	7/23/2018

District	Shaw Island
Facility Name	Shaw Island Elementary School
Building Part Name	Admin/RR Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	17.1%	**Site Class**	B
10% in 50 year PGA	25.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	51.1%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	40%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
1,096	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Shaw Island Elementary School
Building Name	Admin/RR Building
Building Use	Business

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.57265	48.57265	48.57265
Decimal Longitude	-122.961658	-122.961658	-122.961658
Site Class (Soil/Rock Type)	B	B	B
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1952		1952
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Shaw Island	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Shaw Island Elementary School	
Building Name	Admin/RR Building	Moderate-High

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1952	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	40%	Earthquake ground shaking hazard is higher than 40% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	50%	45%	Moderate-High	Red
Life Safety Retrofit Building	10%	3.7%	Very Low	Green
Current Code Building	7.9%	2.1%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Shaw Island		
Point of Contact	Deanna Shannon		
Telephone	360-468-2570		
E-Mail	dshannon@shaw.k12.wa.us		
File Name	Shaw Island, Shaw Island Elementary School, Intermediate Classroom Building	**File Date:**	7/23/2018

District	Shaw Island
Facility Name	Shaw Island Elementary School
Building Part Name	Intermediate Classroom Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	17.1%	**Site Class**	B
10% in 50 year PGA	25.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	51.1%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	40%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
1,009	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Shaw Island Elementary School
Building Name	Intermediate Classroom Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.57265	48.57265	48.57265
Decimal Longitude	-122.961658	-122.961658	-122.961658
Site Class (Soil/Rock Type)	B	B	B
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1992		1992
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Shaw Island	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Shaw Island Elementary School	
Building Name	Intermediate Classroom Building	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1992	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	40%	Earthquake ground shaking hazard is higher than 40% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	14%	7.2%	Very Low	Green
Life Safety Retrofit Building	10%	3.7%	Very Low	Green
Current Code Building	7.9%	2.1%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Shaw Island		
Point of Contact	Deanna Shannon		
Telephone	360-468-2570		
E-Mail	dshannon@shaw.k12.wa.us		
File Name	Shaw Island, Shaw Island Elementary School, Primary Classroom Building	**File Date:**	7/23/2018

District	Shaw Island
Facility Name	Shaw Island Elementary School
Building Part Name	Primary Classroom Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	17.1%	**Site Class**	B
10% in 50 year PGA	25.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	51.1%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	40%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
892	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Shaw Island Elementary School
Building Name	Primary Classroom Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.57265	48.57265	48.57265
Decimal Longitude	-122.961658	-122.961658	-122.961658
Site Class (Soil/Rock Type)	B	B	B
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1902		1902
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Shaw Island	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Shaw Island Elementary School	
Building Name	Primary Classroom Building	Moderate-High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1902	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	40%	Earthquake ground shaking hazard is higher than 40% of WA campuses.
Site Class (Soil or Rock Type)	B	Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	50%	45%	Moderate-High	Red
Life Safety Retrofit Building	10%	3.7%	Very Low	Green
Current Code Building	7.9%	2.1%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Skykomish		
Point of Contact	Thomas Jay		
Telephone	425-324-1025		
E-Mail	tjay@skykomish.wednet.edu		
File Name	Skykomish, Skykomish Elementary School, Main Building EPAT.xlsm	**File Date:**	7/23/2018

District	Skykomish
Facility Name	Skykomish Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	18.7%	**Site Class**	D
10% in 50 year PGA	25.6%	**Ground Shaking Hazard**	High
2% in 50 year PGA	41.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	32%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
39,433	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Skykomish Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.709357	47.709357	47.709357
Decimal Longitude	-121.361776	-121.361776	-121.361776
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Extended Puget Sound	Extended Puget Sound	Extended Puget Sound
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	3		3
Year Built***	1938		1938
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Skykomish	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Skykomish Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1938	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Extended Puget Sound	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	32%	Earthquake ground shaking hazard is higher than 32% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	69%	68%	Very High	Red
Life Safety Retrofit Building	10%	4.2%	Very Low	Green
Current Code Building	7.8%	2.5%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	South Bend		
Point of Contact	Gary Wilson		
Telephone	360-942-7626		
E-Mail	gwilson@southbendschools.org		
File Name	South Bend, South Bend High School, Koplitz Field House EPAT.xlsm	**File Date:**	7/24/2018

District	South Bend
Facility Name	South Bend High School
Building Part Name	Koplitz Field House

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	29.4%	**Site Class**	E
10% in 50 year PGA	35.3%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	59.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	90%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
16,254	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	South Bend High School
Building Name	Koplitz Field House
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.661829	46.661829	46.661829
Decimal Longitude	-123.792475	-123.792475	-123.792475
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1950		1950
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	South Bend	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	South Bend High School	
Building Name	Koplitz Field House	Very High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1950	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	90%	Earthquake ground shaking hazard is higher than 90% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	77%	78%	Very High	Red
Life Safety Retrofit Building	20%	12%	Low	Green/Yellow
Current Code Building	16%	8.6%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	South Bend		
Point of Contact	Gary Wilson		
Telephone	360-942-7626		
E-Mail	gwilson@southbendschools.org		
File Name	South Bend, South Bend High School, Vocational Building EPAT.xlsm	**File Date:**	7/24/2018

District	South Bend
Facility Name	South Bend High School
Building Part Name	Vocational Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	29.4%	**Site Class**	E
10% in 50 year PGA	35.3%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	59.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	90%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
6,542	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	South Bend High School
Building Name	Vocational Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.661829	46.661829	46.661829
Decimal Longitude	-123.792475	-123.792475	-123.792475
Site Class (Soil/Rock Type)	E	D-E	E
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1954		1954
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	South Bend	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	South Bend High School	
Building Name	Vocational Building	Low-Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1954	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	90%	Earthquake ground shaking hazard is higher than 90% of WA campuses.
Site Class (Soil or Rock Type)	E	Soft Clay Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	34%	27%	Low-Moderate	Yellow/Red
Life Safety Retrofit Building	20%	12%	Low	Green/Yellow
Current Code Building	16%	8.6%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	South Whidbey		
Point of Contact	Brian Miller		
Telephone	360-221-6808 x5535		
E-Mail	bmiller@sw.wednet.edu		
File Name	South Whidbey; South Whidbey Elementary School, Main Building	**File Date:**	7/24/2018

District	South Whidbey
Facility Name	South Whidbey Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	22.2%	**Site Class**	C
10% in 50 year PGA	31.2%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	62.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	98%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
51,000	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	South Whidbey Elementary School
Building Name	Main Building
Building Use	Education, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.014215	48.014215	48.014215
Decimal Longitude	-122.409605	-122.409605	-122.409605
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1988		1988
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	South Whidbey	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	South Whidbey Elementary School	
Building Name	Main Building	Low-Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1988	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	98%	Earthquake ground shaking hazard is higher than 98% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	37%	31%	Low-Moderate	Yellow/Red
Life Safety Retrofit Building	15%	7.0%	Very Low	Green
Current Code Building	12%	4.4%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Spokane		
Point of Contact	Phil Wright		
Telephone	503-269-5452		
E-Mail	philw@spokaneschools.org		
File Name	Spokane, Adams Elementary School, Gym & Cafeteria Building EPAT.xlsm	**File Date:**	10/19/2018

District	Spokane
Facility Name	Adams Elementary School
Building Part Name	Gym & Cafeteria Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.7%	**Site Class**	C
10% in 50 year PGA	6.1%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.6%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	3%	**Combined Earthquake Hazard Level**	Low

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
Unknown Precisely	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Adams Elementary School
Building Name	Gym & Cafeteria Building
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.621	47.619711	47.621
Decimal Longitude	-117.368	-117.36836	-117.368
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	3		3
Year Built***	1910		1910
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Spokane	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Adams Elementary School	
Building Name	Gym & Cafeteria Building	Low

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1910	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	3%	Earthquake ground shaking hazard is higher than 3% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Low	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	16%	12%	Low	Green/Yellow
Life Safety Retrofit Building	5.8%	3.0%	Very Low	Green/Yellow
Current Code Building	4.0%	1.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Spokane		
Point of Contact	Phil Wright		
Telephone	503-269-5452		
E-Mail	philw@spokaneschools.org		
File Name	Spokane, Adams Elementary School, Main Building EPAT.xlsm	**File Date:**	10/19/2018

District	Spokane
Facility Name	Adams Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.7%	**Site Class**	C
10% in 50 year PGA	6.1%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.6%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	3%	**Combined Earthquake Hazard Level**	Low

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
34,628	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Adams Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.621	47.619711	47.621
Decimal Longitude	-117.368	-117.36836	-117.368
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	3		3
Year Built***	1910		1910
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Spokane	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Adams Elementary School	
Building Name	Main Building	Low

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1910	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	3%	Earthquake ground shaking hazard is higher than 3% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Low	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	13%	9.8%	Low	Green/Yellow
Life Safety Retrofit Building	5.8%	3.0%	Very Low	Green/Yellow
Current Code Building	4.0%	1.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Spokane		
Point of Contact	Phil Wright		
Telephone	503-269-5452		
E-Mail	philw@spokaneschools.org		
File Name	Spokane, Audubon Elementary School, Main Building EPAT.xlsm	**File Date:**	10/19/2018

District	Spokane
Facility Name	Audubon Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.7%	**Site Class**	C
10% in 50 year PGA	6.1%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.6%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	4%	**Combined Earthquake Hazard Level**	Low

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
51,653	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Audubon Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.67979	47.680018	47.67979
Decimal Longitude	-117.442	-117.442167	-117.442
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	S2	Steel Braced Frame	S2
Number of Stories (Excluding Basement)***	3		3
Year Built***	1910		1910
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Spokane	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Audubon Elementary School	
Building Name	Main Building	Low

Building Data

HAZUS Building Type	S2	Steel Braced Frame
Year Built	1910	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	4%	Earthquake ground shaking hazard is higher than 4% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Low	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	18%	13%	Low	Green/Yellow
Life Safety Retrofit Building	6.8%	3.5%	Very Low	Green/Yellow
Current Code Building	4.7%	2.0%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Spokane		
Point of Contact	Phil Wright		
Telephone	503-269-5452		
E-Mail	philw@spokaneschools.org		
File Name	Spokane, Libby Center, Main Building EPAT.xlsm	**File Date:**	7/24/2018

District	Spokane
Facility Name	Libby Center
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	3.7%	**Site Class**	C
10% in 50 year PGA	6.1%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	16.7%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	5%	**Combined Earthquake Hazard Level**	Low

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
66,393	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Libby Center
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.656207	47.656207	47.656207
Decimal Longitude	-117.36811	-117.36811	-117.36811
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1928		1928
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Spokane	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Libby Center	
Building Name	Main Building	Low-Moderate

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1928	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	5%	Earthquake ground shaking hazard is higher than 5% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Low	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	20%	16%	Low-Moderate	Green/Yellow
Life Safety Retrofit Building	5.9%	3.0%	Very Low	Green/Yellow
Current Code Building	4.0%	1.7%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Sunnyside		
Point of Contact	Jeremy Hazzard		
Telephone	509-840-2147		
E-Mail	jeremy.hazzard@sunnysideschools.org		
File Name	Sunnyside, Outlook Elementary School, Outlook Elementary Main Building	**File Date:**	7/24/2018

District	Sunnyside
Facility Name	Outlook Elementary School
Building Part Name	Outlook Elementary Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.5%	**Site Class**	D
10% in 50 year PGA	13.4%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	27.8%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	24%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
57,084	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Outlook Elementary School
Building Name	Outlook Elementary Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.345342	46.345342	46.345342
Decimal Longitude	-120.083062	-120.083062	-120.083062
Site Class (Soil/Rock Type)	D	D	D
Liquefaction Potential	Low to Moderate	Low	Low to Moderate
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1932		1932
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Sunnyside	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Outlook Elementary School	
Building Name	Outlook Elementary Main Building	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1932	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	24%	Earthquake ground shaking hazard is higher than 24% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	12%	6.5%	Very Low	Green/Yellow
Life Safety Retrofit Building	11%	5.3%	Very Low	Green/Yellow
Current Code Building	8.5%	3.3%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Tacoma		
Point of Contact	Angel Davis/Jeff Rogers		
Telephone	253-571-3350		
E-Mail	adavis@tacoma.k12.wa.us		
File Name	Tacoma, Fern Hill Elementary School, Main Building EPAT.xlsm	**File Date:**	7/24/2018

District	Tacoma
Facility Name	Fern Hill Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.9%	**Site Class**	C
10% in 50 year PGA	32.1%	**Ground Shaking Hazard**	High
2% in 50 year PGA	56.4%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	60%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
60,159	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Fern Hill Elementary School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.17975	47.17975	47.17975
Decimal Longitude	-122.441955	-122.441955	-122.441955
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	3		3
Year Built***	1911		1911
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Tacoma	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Fern Hill Elementary School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1911	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	60%	Earthquake ground shaking hazard is higher than 60% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	73%	71%	Very High	Red
Life Safety Retrofit Building	19%	11%	Very Low	Green/Yellow
Current Code Building	15%	7.3%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Tacoma		
Point of Contact	Angel Davis/Jeff Rogers		
Telephone	253-571-3350		
E-Mail	adavis@tacoma.k12.wa.us		
File Name	Tacoma, Oakland High School, Main Building EPAT.xlsm	**File Date:**	7/24/2018

District	Tacoma
Facility Name	Oakland High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	24.5%	**Site Class**	C
10% in 50 year PGA	32.8%	**Ground Shaking Hazard**	High
2% in 50 year PGA	57.9%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	72%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
41,575	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Oakland High School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.230028	47.230028	47.230028
Decimal Longitude	-122.486	-122.486	-122.486
Site Class (Soil/Rock Type)	C	C-D	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	3		3
Year Built***	1911		1911
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Tacoma	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Oakland High School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1911	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	72%	Earthquake ground shaking hazard is higher than 72% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	74%	73%	Very High	Red
Life Safety Retrofit Building	19%	12%	Very Low	Green/Yellow
Current Code Building	16%	7.9%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Taholah		
Point of Contact	Lenora Hall/ Edcellena James		
Telephone	360-276-4780		
E-Mail	plarriva@taholah.org		
File Name	Taholah, Taholah School, Covered Court EPAT.xlsm	**File Date:**	7/24/2018

District	Taholah
Facility Name	Taholah Elementary & Middle School
Building Part Name	Covered Court

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.2%	**Site Class**	D
10% in 50 year PGA	32.7%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	77.4%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	97%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
3,600	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Taholah Elementary & Middle School
Building Name	Covered Court
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.344682	47.344682	47.344682
Decimal Longitude	-124.286849	-124.286849	-124.286849
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1991		1991
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Taholah	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Taholah Elementary & Middle School	
Building Name	Covered Court	High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1991	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	97%	Earthquake ground shaking hazard is higher than 97% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	60%	57%	High	Red
Life Safety Retrofit Building	22%	13%	Very Low	Green/Yellow
Current Code Building	18%	9.1%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Taholah		
Point of Contact	Lenora Hall/Edcellena James		
Telephone	360-276-4780		
E-Mail	plarriva@taholah.org		
File Name	Taholah, Taholah School, Main Building EPAT.xlsm	**File Date:**	7/24/2018

District	Taholah
Facility Name	Taholah Elementary & Middle School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	20.2%	**Site Class**	D
10% in 50 year PGA	32.7%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	77.4%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	97%	**Combined Earthquake Hazard Level**	Extremely High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
68,105	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Taholah Elementary & Middle School
Building Name	Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.344682	47.344682	47.344682
Decimal Longitude	-124.286849	-124.286849	-124.286849
Site Class (Soil/Rock Type)	D	D-E	D
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1973		1973
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Taholah	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Taholah Elementary & Middle School	
Building Name	Main Building	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1973	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	97%	Earthquake ground shaking hazard is higher than 97% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Extremely High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	76%	75%	Very High	Red
Life Safety Retrofit Building	22%	13%	Very Low	Green/Yellow
Current Code Building	18%	9.1%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Thorp		
Point of Contact	Andrew Perkins (Superintendent, SI)/Ed Foster (POC)		
Telephone	509-964-7103		
E-Mail	FosterE@thorpschools.org		
File Name	Thorp, Thorp Elementary and Junior Senior High School, Brick Building EPAT.xlsm	**File Date:**	7/24/2018

District	Thorp
Facility Name	Thorp Elementary & Junior Senior High School
Building Part Name	Brick Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.8%	**Site Class**	C
10% in 50 year PGA	13.2%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	27.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
16,303	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Thorp Elementary & Junior Senior High School
Building Name	Brick Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.069376	47.069376	47.069376
Decimal Longitude	-120.676631	-120.676631	-120.676631
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1930		1930
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Thorp	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Thorp Elementary & Junior Senior High School	
Building Name	Brick Building	Moderate

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1930	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	34%	30%	Moderate	Red
Life Safety Retrofit Building	19%	14%	Low	Green/Yellow
Current Code Building	15%	10%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Thorp		
Point of Contact	Andrew Perkins (Superintendent, SI)/Ed Foster (POC)		
Telephone	509-964-7103		
E-Mail	FosterE@thorpschools.org		
File Name	Thorp, Thorp Elementary and Junior Senior High School, Thorp, Jr Sr High School	**File Date:**	7/24/2018

District	Thorp
Facility Name	Thorp Elementary & Junior Senior High School
Building Part Name	Thorp Elem/Jr/Sr High School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.8%	**Site Class**	C
10% in 50 year PGA	13.2%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	27.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	29%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
38,975	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Thorp Elementary & Junior Senior High School
Building Name	Thorp Elem/Jr/Sr High School
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.069376	47.069376	47.069376
Decimal Longitude	-120.676631	-120.676631	-120.676631
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1991		1991
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Thorp	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Thorp Elementary & Junior Senior High School	
Building Name	Thorp Elem/Jr/Sr High School	Low-Moderate

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1991	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	29%	Earthquake ground shaking hazard is higher than 29% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	27%	24%	Low-Moderate	Red
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Tonasket		
Point of Contact	Mike Larson		
Telephone	509-429-3970		
E-Mail	mlarson@tonasket.wednet.edu		
File Name	Tonasket, Tonasket Elementary School, Greenhouse EPAT.xlsm	**File Date:**	7/24/2018

District	Tonasket
Facility Name	Tonasket Elementary School
Building Part Name	Greenhouse

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	6.8%	**Site Class**	D
10% in 50 year PGA	10.9%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.9%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	17%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
400	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Tonasket Elementary School
Building Name	Greenhouse
Building Use	Utility and Miscellaneous

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.70138	48.70138	48.70138
Decimal Longitude	-119.437479	-119.437479	-119.437479
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	S2	Steel Braced Frame	S2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1995		1995
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Tonasket	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Tonasket Elementary School	
Building Name	Greenhouse	Very Low

Building Data

HAZUS Building Type	S2	Steel Braced Frame
Year Built	1995	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	17%	Earthquake ground shaking hazard is higher than 17% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	15%	10%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Tonasket		
Point of Contact	Mike Larson		
Telephone	509-429-3970		
E-Mail	mlarson@tonasket.wednet.edu		
File Name	Tonasket, Tonasket Elementary School, Tonasket Elementary EPAT.xlsm	**File Date:**	7/24/2018

District	Tonasket
Facility Name	Tonasket Elementary School
Building Part Name	Tonasket Elementary

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	6.8%	**Site Class**	D
10% in 50 year PGA	10.9%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.9%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	17%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
60,825	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Tonasket Elementary School
Building Name	Tonasket Elementary
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.70138	48.70138	48.70138
Decimal Longitude	-119.437479	-119.437479	-119.437479
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1995		1995
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Tonasket	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Tonasket Elementary School	
Building Name	Tonasket Elementary	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1995	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	17%	Earthquake ground shaking hazard is higher than 17% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	13%	9.4%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Tonasket		
Point of Contact	Mike Larson		
Telephone	509-429-3970		
E-Mail	mlarson@tonasket.wednet.edu		
File Name	Tonasket, Tonasket Middle High School, Middle High School EPAT.xlsm	**File Date:**	7/24/2018

District	Tonasket
Facility Name	Tonasket Middle School
Building Part Name	Middle/High School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	6.8%	**Site Class**	D
10% in 50 year PGA	10.9%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	24.9%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	17%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
106,398	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Tonasket Middle School
Building Name	Middle/High School
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	48.70138	48.70138	48.70138
Decimal Longitude	-119.437479	-119.437479	-119.437479
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms	RM2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1995		1995
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Tonasket	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Tonasket Middle School	
Building Name	Middle/High School	Very Low

Building Data		
HAZUS Building Type	RM2	Reinf. Masonry Bearing Walls w/ Precast Concrete Diaphragms
Year Built	1995	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	17%	Earthquake ground shaking hazard is higher than 17% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	15%	11%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Touchet		
Point of Contact	Susan Bell		
Telephone	509-394-0132		
E-Mail	sbell@touchet.k12.wa.us		
File Name	Touchet, Touchet Elementary and High School, CTE Building EPAT.xlsm	**File Date:**	7/24/2018

District	Touchet
Facility Name	Touchet Elem & High School
Building Part Name	CTE Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.9%	**Site Class**	C
10% in 50 year PGA	8.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	22.2%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	25%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
3,440	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Touchet Elem & High School
Building Name	CTE Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.043435	46.043435	46.043435
Decimal Longitude	-118.672265	-118.672265	-118.672265
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Touchet	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Touchet Elem & High School	
Building Name	CTE Building	Low-Moderate

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	25%	Earthquake ground shaking hazard is higher than 25% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	24%	20%	Low-Moderate	Green/Yellow
Life Safety Retrofit Building	12%	7.8%	Very Low	Green/Yellow
Current Code Building	8.8%	5.1%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Touchet		
Point of Contact	Susan Bell		
Telephone	509-394-0132		
E-Mail	sbell@touchet.k12.wa.us		
File Name	Touchet, Touchet Elementary and High School, Elementary Main Building	**File Date:**	7/24/2018

District	Touchet
Facility Name	Touchet Elem & High School
Building Part Name	Elementary Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.9%	**Site Class**	C
10% in 50 year PGA	8.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	22.2%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	25%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
40,250	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Touchet Elem & High School
Building Name	Elementary Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.043435	46.043435	46.043435
Decimal Longitude	-118.672265	-118.672265	-118.672265
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Touchet	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Touchet Elem & High School	
Building Name	Elementary Main Building	Low-Moderate

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	25%	Earthquake ground shaking hazard is higher than 25% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	36%	33%	Low-Moderate	Red
Life Safety Retrofit Building	12%	7.8%	Very Low	Green/Yellow
Current Code Building	8.8%	5.1%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Touchet		
Point of Contact	Susan Bell		
Telephone	509-394-0132		
E-Mail	sbell@touchet.k12.wa.us		
File Name	Touchet, Touchet Elementary and High School, Secondary Facility EPAT.xlsm	**File Date:**	7/24/2018

District	Touchet
Facility Name	Touchet Elem & High School
Building Part Name	Secondary Facility

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.9%	**Site Class**	C
10% in 50 year PGA	8.1%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	22.2%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*	25%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
29,478	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Touchet Elem & High School
Building Name	Secondary Facility
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.043435	46.043435	46.043435
Decimal Longitude	-118.672265	-118.672265	-118.672265
Site Class (Soil/Rock Type)	C	D-E	C
Liquefaction Potential	Moderate to High	Moderate to High	Moderate to High
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	PC1	Precast Concrete Tilt-Up Walls	PC1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1975		1975
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Touchet	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Touchet Elem & High School	
Building Name	Secondary Facility	Moderate

Building Data

HAZUS Building Type	PC1	Precast Concrete Tilt-Up Walls
Year Built	1975	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	25%	Earthquake ground shaking hazard is higher than 25% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	39%	35%	Moderate	Red
Life Safety Retrofit Building	16%	12%	Low	Green/Yellow
Current Code Building	12%	7.9%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Tumwater		
Point of Contact	Mel Murry		
Telephone	360-709-7004		
E-Mail	mel.murry@tumwater.k12.wa.us		
File Name	Tumwater, Black Lake Elementary School, Building A EPAT.xlsm	**File Date:**	7/24/2018

District	Tumwater
Facility Name	Black Lake Elementary School
Building Part Name	Building A

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.8%	**Site Class**	C
10% in 50 year PGA	32.7%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	61.2%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	80%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
22,494	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Black Lake Elementary School
Building Name	Building A
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.991134	46.991134	46.991134
Decimal Longitude	-122.965944	-122.965944	-122.965944
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1982		1982
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Tumwater	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Black Lake Elementary School	
Building Name	Building A	Low-Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1982	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	80%	Earthquake ground shaking hazard is higher than 80% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	31%	25%	Low-Moderate	Green/Yellow
Life Safety Retrofit Building	14%	6.6%	Very Low	Green
Current Code Building	11%	4.2%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Tumwater		
Point of Contact	Mel Murry		
Telephone	360-709-7004		
E-Mail	mel.murry@tumwater.k12.wa.us		
File Name	Tumwater, Black Lake Elementary School, Building B EPAT.xlsm	**File Date:**	7/24/2018

District	Tumwater
Facility Name	Black Lake Elementary School
Building Part Name	Building B

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.8%	**Site Class**	C
10% in 50 year PGA	32.7%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	61.2%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	80%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
21,314	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Black Lake Elementary School
Building Name	Building B
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.991134	46.991134	46.991134
Decimal Longitude	-122.965944	-122.965944	-122.965944
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1982		1982
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Tumwater	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Black Lake Elementary School	
Building Name	Building B	Low-Moderate

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1982	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	80%	Earthquake ground shaking hazard is higher than 80% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	36%	30%	Low-Moderate	Yellow/Red
Life Safety Retrofit Building	14%	6.6%	Very Low	Green
Current Code Building	11%	4.2%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Tumwater		
Point of Contact	Mel Murry		
Telephone	360-709-7004		
E-Mail	mel.murry@tumwater.k12.wa.us		
File Name	Tumwater, Black Lake Elementary School, Building C EPAT.xlsm	**File Date:**	7/24/2018

District	Tumwater
Facility Name	Black Lake Elementary School
Building Part Name	Building C

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	23.8%	**Site Class**	C
10% in 50 year PGA	32.7%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	61.2%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	80%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,018	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Black Lake Elementary School
Building Name	Building C
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.991134	46.991134	46.991134
Decimal Longitude	-122.965944	-122.965944	-122.965944
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low to Moderate	Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1984		1984
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Tumwater	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Black Lake Elementary School	
Building Name	Building C	Moderate

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1984	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Moderate	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	80%	Earthquake ground shaking hazard is higher than 80% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	42%	38%	Moderate	Red
Life Safety Retrofit Building	21%	13%	Low	Green/Yellow
Current Code Building	17%	9.3%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Vashon Island		
Point of Contact	Kevin Dickerson		
Telephone	206-200-3305		
E-Mail	kdickerson@vashonsd.org		
File Name	Vashon Island, Vashon Island High School, Building D Gymnasium EPAT.xlsm	**File Date:**	7/24/2018

District	Vashon Island
Facility Name	Vashon Island High School
Building Part Name	Building D Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	25.7%	**Site Class**	C
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	66.4%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	91%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
23,744	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Vashon Island High School
Building Name	Building D Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.423281	47.423281	47.423281
Decimal Longitude	-122.460399	-122.460399	-122.460399
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	3		3
Year Built***	1961		1961
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Vashon Island	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Vashon Island High School	
Building Name	Building D Gymnasium	Very High

Building Data

HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1961	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	91%	Earthquake ground shaking hazard is higher than 91% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	82%	82%	Very High	Red
Life Safety Retrofit Building	25%	17%	Low	Green/Yellow
Current Code Building	20%	12%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Vashon Island		
Point of Contact	Kevin Dickerson		
Telephone	206-200-3305		
E-Mail	kdickerson@vashonsd.org		
File Name	Vashon Island, Vashon Island High School, Building K Annex EPAT.xlsm	**File Date:**	7/24/2018

District	Vashon Island
Facility Name	Vashon Island High School
Building Part Name	Building K Annex

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	25.7%	**Site Class**	C
10% in 50 year PGA	34.8%	**Ground Shaking Hazard**	Very High
2% in 50 year PGA	66.4%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	91%	**Combined Earthquake Hazard Level**	Very High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
4,677	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Vashon Island High School
Building Name	Building K Annex
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.423281	47.423281	47.423281
Decimal Longitude	-122.460399	-122.460399	-122.460399
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Puget Sound	Puget Sound	Puget Sound
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1957		1957
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

*** **Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Vashon Island	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Vashon Island High School	
Building Name	Building K Annex	Very High

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1957	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Very High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	91%	Earthquake ground shaking hazard is higher than 91% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Very High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	64%	61%	Very High	Red
Life Safety Retrofit Building	17%	8.6%	Very Low	Green/Yellow
Current Code Building	13%	5.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Warden		
Point of Contact	Veronica Perez		
Telephone	509-349-2366 x1420		
E-Mail	vperez@warden.wednet.edu		
File Name	Warden, Warden High School, Cafeteria EPAT.xlsm	**File Date:**	7/24/2018

District	Warden
Facility Name	Warden High School
Building Part Name	Cafeteria

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.9%	**Site Class**	C
10% in 50 year PGA	8.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	20.4%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	18%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
10,312	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Warden High School
Building Name	Cafeteria
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.962353	46.962353	46.962353
Decimal Longitude	-119.042425	-119.042425	-119.042425
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1900		1900
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Warden	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Warden High School	
Building Name	Cafeteria	Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1900	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	18%	Earthquake ground shaking hazard is higher than 18% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	23%	19%	Low	Green/Yellow
Life Safety Retrofit Building	9.9%	6.1%	Very Low	Green/Yellow
Current Code Building	7.1%	3.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Warden		
Point of Contact	Veronica Perez		
Telephone	509-349-2366 x1420		
E-Mail	vperez@warden.wednet.edu		
File Name	Warden, Warden High School, Gymnasium EPAT.xlsm	**File Date:**	7/24/2018

District	Warden
Facility Name	Warden High School
Building Part Name	Gymnasium

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.9%	**Site Class**	C
10% in 50 year PGA	8.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	20.4%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	18%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
22,453	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Warden High School
Building Name	Gymnasium
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.962353	46.962353	46.962353
Decimal Longitude	-119.042425	-119.042425	-119.042425
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	C3	Concrete Frame Buildings with URM Infill Walls	C3
Number of Stories (Excluding Basement)***	1		1
Year Built***	1900		1900
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Warden	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Warden High School	
Building Name	Gymnasium	Low-Moderate

Building Data		
HAZUS Building Type	C3	Concrete Frame Buildings with URM Infill Walls
Year Built	1900	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	18%	Earthquake ground shaking hazard is higher than 18% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	29%	26%	Low-Moderate	Red
Life Safety Retrofit Building	9.9%	6.1%	Very Low	Green/Yellow
Current Code Building	7.1%	3.8%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Warden		
Point of Contact	Veronica Perez		
Telephone	509-349-2366 x1420		
E-Mail	vperez@warden.wednet.edu		
File Name	Warden, Warden High School, Middle High School EPAT.xlsm	**File Date:**	7/24/2018

District	Warden
Facility Name	Warden High School
Building Part Name	Middle/High School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.9%	**Site Class**	C
10% in 50 year PGA	8.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	20.4%	**Liquefaction Potential**	Low
Percentile S_s *Among all WA Campuses*	18%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
50,570	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Warden High School
Building Name	Middle/High School
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.962353	46.962353	46.962353
Decimal Longitude	-119.042425	-119.042425	-119.042425
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential	Low	Low	Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1998		1998
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Warden	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Warden High School	
Building Name	Middle/High School	Very Low

Building Data		
HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1998	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	18%	Earthquake ground shaking hazard is higher than 18% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	4.9%	1.6%	Very Low	Green
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Washougal		
Point of Contact	Joe Stienbrenner		
Telephone	360-954-3000		
E-Mail	joe.steinbrenner@washougalsd.org		
File Name	Washougal, Hathaway Elementary School, Main Building EPAT.xlsm	**File Date:**	7/24/2018

District	Washougal
Facility Name	Hathaway Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	11.5%	**Site Class**	C
10% in 50 year PGA	18.6%	**Ground Shaking Hazard**	Moderate to High
2% in 50 year PGA	36.6%	**Liquefaction Potential**	Low to Moderate
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	Moderate to High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
48,901	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Hathaway Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.581789	45.581789	45.581789
Decimal Longitude	-122.346529	-122.346529	-122.346529
Site Class (Soil/Rock Type)	C	D	C
Liquefaction Potential		Low to Moderate	Low to Moderate
Geographic Region for Seismic Zones	Coastal	Coastal	Coastal
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1935		1935
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Washougal	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Hathaway Elementary School	
Building Name	Main Building	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1935	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	High-Moderate	
Geographic Area	Coastal	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate to High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Low to Moderate	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate to High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	10%	4.7%	Very Low	Green
Life Safety Retrofit Building	5.1%	1.0%	Very Low	Green
Current Code Building	3.9%	0.5%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Washtucna		
Point of Contact	Vance Wing		
Telephone	509-438-3951		
E-Mail	vwing@tucna.wednet.edu		
File Name	Washtucna, Washtucna Elementary High School, Ag Shop & Music Room Building	**File Date:**	7/24/2018

District	Washtucna
Facility Name	
Building Part Name	Elementary High School Ag Shop & Music Room Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.2%	**Site Class**	C
10% in 50 year PGA	6.8%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	17.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*		**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
8,375	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	0
Building Name	Elementary High School Ag Shop & Music Room Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.752		46.752
Decimal Longitude	-118.31		-118.31
Site Class (Soil/Rock Type)	C		C
Liquefaction Potential	Moderate to High		Moderate to High
Geographic Region for Seismic Zones	Eastern		Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1956		1956
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	1994		1994
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Washtucna	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	0	
Building Name	Elementary High School Ag Shop & Music Room E	Low

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1956	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1994 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	0%	Earthquake ground shaking hazard is higher than 0% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	12%	8.0%	Low	Green/Yellow
Life Safety Retrofit Building	6.7%	3.6%	Very Low	Green/Yellow
Current Code Building	4.6%	2.1%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Washtucna		
Point of Contact	Vance Wing		
Telephone	509-438-3951		
E-Mail	vwing@tucna.wednet.edu		
File Name	Washtucna, Washtucna Elementary High School, Main Building EPAT.xlsm	**File Date:**	7/24/2018

District	Washtucna
Facility Name	
Building Part Name	Elementary High School Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	4.2%	**Site Class**	C
10% in 50 year PGA	6.8%	**Ground Shaking Hazard**	Low
2% in 50 year PGA	17.5%	**Liquefaction Potential**	Moderate to High
Percentile S_s *Among all WA Campuses*		**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
37,873	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	0
Building Name	Elementary High School Main Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.752		46.752
Decimal Longitude	-118.31		-118.31
Site Class (Soil/Rock Type)	C		C
Liquefaction Potential	Moderate to High		Moderate to High
Geographic Region for Seismic Zones	Eastern		Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	1		1
Year Built***	1956		1956
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Washtucna	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	0	
Building Name	Elementary High School Main Building	Low-Moderate

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1956	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Low	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	0%	Earthquake ground shaking hazard is higher than 0% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Moderate to High	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	22%	18%	Low-Moderate	Green/Yellow
Life Safety Retrofit Building	6.7%	3.6%	Very Low	Green/Yellow
Current Code Building	4.6%	2.1%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	White Pass		
Point of Contact	John Kelly		
Telephone	360-497-3791		
E-Mail	jkelly@whitepass/k12.wa.us		
File Name	White Pass, White Pass Elementary School, Main Building EPAT.xlsm	**File Date:**	7/24/2018

District	White Pass
Facility Name	White Pass Elementary School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.8%	**Site Class**	D
10% in 50 year PGA	29.3%	**Ground Shaking Hazard**	High
2% in 50 year PGA	47.0%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	40%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
30,659	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	White Pass Elementary School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.535022	46.535022	46.535022
Decimal Longitude	-121.926586	-121.926586	-121.926586
Site Class (Soil/Rock Type)	D	C-D	D
Liquefaction Potential	Very Low to Low	Very Low to Low	Very Low to Low
Geographic Region for Seismic Zones	Extended Puget Sound	Extended Puget Sound	Extended Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1964		1964
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	White Pass	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	White Pass Elementary School	
Building Name	Main Building	Very High

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1964	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Extended Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	40%	Earthquake ground shaking hazard is higher than 40% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	70%	70%	Very High	Red
Life Safety Retrofit Building	13%	6.3%	Very Low	Green
Current Code Building	10%	3.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	White Pass		
Point of Contact	John Kelly		
Telephone	360-497-3791		
E-Mail	jkelly@whitepass.k12.wa.us		
File Name	White Pass, White Pass Junior Senior High School, Main Building EPAT.xlsm	**File Date:**	7/24/2018

District	White Pass
Facility Name	White Pass Junior Senior High School
Building Part Name	Main Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	21.9%	**Site Class**	D
10% in 50 year PGA	29.4%	**Ground Shaking Hazard**	High
2% in 50 year PGA	47.1%	**Liquefaction Potential**	Very Low to Low
Percentile S_s *Among all WA Campuses*	33%	**Combined Earthquake Hazard Level**	High

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
62,005	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	White Pass Junior Senior High School
Building Name	Main Building
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	46.536806	46.536806	46.536806
Decimal Longitude	-121.950332	-121.950332	-121.950332
Site Class (Soil/Rock Type)	D	B	D
Liquefaction Potential	Very Low to Low	N/A (Bedrock)	Very Low to Low
Geographic Region for Seismic Zones	Extended Puget Sound	Extended Puget Sound	Extended Puget Sound
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	2010		2010
Code for Building Design (if known)	IBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	IBC
Design Code Year (if known)	2003-Present		2003-Present
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	Yes		Yes
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	White Pass	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	White Pass Junior Senior High School	
Building Name	Main Building	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	2010	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	2003-Present IBC	
Existing Building Code Level	High	
Geographic Area	Extended Puget Sound	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	Yes	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	High	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	33%	Earthquake ground shaking hazard is higher than 33% of WA campuses.
Site Class (Soil or Rock Type)	D	Stiff Soil
Liquefaction Potential	Very Low to Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	High	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	15%	8.8%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	White Salmon Valley		
Point of Contact	Jerry Lewis/Mike Clark		
Telephone	509-637-0333		
E-Mail	jerry.lewis@whitesalmonschools.org/mike.clark@whitesalmonschools.org		
File Name	White Salmon Valley, Columbia High School, Gym Building EPAT.xlsm	**File Date:**	10/19/2018

District	White Salmon Valley
Facility Name	Columbia High School
Building Part Name	Gym Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.3%	**Site Class**	C
10% in 50 year PGA	12.7%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	26.9%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	21%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
33,246	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Columbia High School
Building Name	Gym Building
Building Use	Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.742	45.741603	45.742
Decimal Longitude	-121.494	-121.494053	-121.494
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	PC1	Precast Concrete Tilt-Up Walls	PC1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1970		1970
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	White Salmon Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Columbia High School	
Building Name	Gym Building	Moderate-High

Building Data

HAZUS Building Type	PC1	Precast Concrete Tilt-Up Walls
Year Built	1970	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	21%	Earthquake ground shaking hazard is higher than 21% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	49%	47%	Moderate-High	Red
Life Safety Retrofit Building	24%	19%	Low	Yellow
Current Code Building	19%	14%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	White Salmon Valley		
Point of Contact	Jerry Lewis/Mike Clark		
Telephone	509-637-0333		
E-Mail	jerry.lewis@whitesalmonschools.org/mike.clark@whitesalmonschools.org		
File Name	White Salmon Valley, Columbia High School, Library Building EPAT.xlsm	**File Date:**	10/19/2018

District	White Salmon Valley
Facility Name	Columbia High School
Building Part Name	Library Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.3%	**Site Class**	C
10% in 50 year PGA	12.7%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	26.9%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	21%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
5,225	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Columbia High School
Building Name	Library Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.742	45.741603	45.742
Decimal Longitude	-121.494	-121.494053	-121.494
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	PC1	Precast Concrete Tilt-Up Walls	PC1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1970		1970
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	White Salmon Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Columbia High School	
Building Name	Library Building	Moderate-High

Building Data

HAZUS Building Type	PC1	Precast Concrete Tilt-Up Walls
Year Built	1970	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	21%	Earthquake ground shaking hazard is higher than 21% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	49%	47%	Moderate-High	Red
Life Safety Retrofit Building	24%	19%	Low	Yellow
Current Code Building	19%	14%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	White Salmon Valley		
Point of Contact	Jerry Lewis/Mike Clark		
Telephone	509-637-0333		
E-Mail	jerry.lewis@whitesalmonschools.org/mike.clark@whitesalmonschools.org		
File Name	White Salmon Valley, Columbia High School, Metal-Wood Shop Building	**File Date:**	10/19/2018

District	White Salmon Valley
Facility Name	Columbia High School
Building Part Name	Metal-Wood Shop Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.3%	**Site Class**	C
10% in 50 year PGA	12.7%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	26.9%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	21%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,560	DNR, Reid Middleton	Kendra Tappe, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Columbia High School
Building Name	Metal-Wood Shop Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.742	45.741603	45.742
Decimal Longitude	-121.494	-121.494053	-121.494
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	PC1	Precast Concrete Tilt-Up Walls	PC1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1970		1970
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	White Salmon Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Columbia High School	
Building Name	Metal-Wood Shop Building	Moderate-High

Building Data		
HAZUS Building Type	PC1	Precast Concrete Tilt-Up Walls
Year Built	1970	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	21%	Earthquake ground shaking hazard is higher than 21% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	43%	41%	Moderate-High	Red
Life Safety Retrofit Building	24%	19%	Low	Yellow
Current Code Building	19%	14%	Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Kendra Tappe, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	White Salmon Valley		
Point of Contact	Jerry Lewis/Mike Clark		
Telephone	509-637-0333		
E-Mail	jerry.lewis@whitesalmonschools.org/mike.clark@whitesalmonschools.org		
File Name	White Salmon Valley, Hulan L Whitson Elementary School, Main Building	**File Date:**	7/24/2018

District	White Salmon Valley
Facility Name	Hulan L. Whitson Elementary School
Building Part Name	Main Building - Concrete

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.2%	**Site Class**	C
10% in 50 year PGA	12.6%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	26.8%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	16%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
47190 (Total Building)	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Hulan L. Whitson Elementary School
Building Name	Main Building - Concrete
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.730588	45.730588	45.730588
Decimal Longitude	-121.486624	-121.486624	-121.486624
Site Class (Soil/Rock Type)	C	B	C
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	C2	Concrete Shear Walls	C2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1956		1956
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	White Salmon Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Hulan L. Whitson Elementary School	
Building Name	Main Building - Concrete	Moderate-High

Building Data

HAZUS Building Type	C2	Concrete Shear Walls
Year Built	1956	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	16%	Earthquake ground shaking hazard is higher than 16% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	52%	50%	Moderate-High	Red
Life Safety Retrofit Building	18%	13%	Low	Green/Yellow
Current Code Building	14%	9.3%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	White Salmon Valley		
Point of Contact	Jerry Lewis/Mike Clark		
Telephone	509-637-0333		
E-Mail	jerry.lewis@whitesalmonschools.org/mike.clark@whitesalmonschools.org		
File Name	White Salmon Valley, Hulan L Whitson Elementary School, Main Building	**File Date:**	7/24/2018

District	White Salmon Valley
Facility Name	Hulan L. Whitson Elementary School
Building Part Name	Main Building - Masonry

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.2%	**Site Class**	C
10% in 50 year PGA	12.6%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	26.8%	**Liquefaction Potential**	N/A (Bedrock)
Percentile S_s *Among all WA Campuses*	16%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
47190 (Total Building)	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Hulan L. Whitson Elementary School
Building Name	Main Building - Masonry
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.730588	45.730588	45.730588
Decimal Longitude	-121.486624	-121.486624	-121.486624
Site Class (Soil/Rock Type)	C	B	C
Liquefaction Potential		N/A (Bedrock)	N/A (Bedrock)
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1956		1956
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	Yes		Yes
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	White Salmon Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Hulan L. Whitson Elementary School	
Building Name	Main Building - Masonry	High

Building Data		
HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1956	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	Yes	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	16%	Earthquake ground shaking hazard is higher than 16% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	N/A (Bedrock)	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	48%	45%	High	Red
Life Safety Retrofit Building	18%	13%	Low	Green/Yellow
Current Code Building	14%	9.3%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	White Salmon Valley		
Point of Contact	Jerry Lewis/Mike Clark		
Telephone	509-637-0333		
E-Mail	jerry.lewis@whitesalmonschools.org/mike.clark@whitesalmonschools.org		
File Name	White Salmon Valley, Wayne M Henkle Middle School, Middle School EPAT.xlsm	**File Date:**	7/24/2018

District	White Salmon Valley
Facility Name	Wayne M. Henkle Middle School
Building Part Name	Middle School

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	8.3%	**Site Class**	C
10% in 50 year PGA	12.7%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	26.9%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	21%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
36,587	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Wayne M. Henkle Middle School
Building Name	Middle School
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	45.740184	45.740184	45.740184
Decimal Longitude	-121.494231	-121.494231	-121.494231
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1960		1960
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	<1973		<1973
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	Yes		Yes

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	White Salmon Valley	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Wayne M. Henkle Middle School	
Building Name	Middle School	Moderate

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1960	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	Yes	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	21%	Earthquake ground shaking hazard is higher than 21% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	42%	39%	Moderate	Red
Life Safety Retrofit Building	18%	13%	Low	Green/Yellow
Current Code Building	14%	9.4%	Very Low	Green/Yellow

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Wilson Creek		
Point of Contact	Laura Christian		
Telephone	509-345-2541 x224		
E-Mail	lchistian@wilsoncreek.org		
File Name	Wilson Creek, Wilson Creek High School, Business Building Home Ec EPAT.xlsm	**File Date:**	7/24/2018

District	Wilson Creek
Facility Name	Wilson Creek High School
Building Part Name	Business Building/Home Ec

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.0%	**Site Class**	C
10% in 50 year PGA	8.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	20.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	9%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
2,272	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Wilson Creek High School
Building Name	Business Building/Home Ec
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.426214	47.426214	47.426214
Decimal Longitude	-119.119492	-119.119492	-119.119492
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	1		1
Year Built***	1984		1984
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Wilson Creek	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Wilson Creek High School	
Building Name	Business Building/Home Ec	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1984	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	9%	Earthquake ground shaking hazard is higher than 9% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	7.3%	2.6%	Very Low	Green/Yellow
Life Safety Retrofit Building	5.3%	1.6%	Very Low	Green
Current Code Building	3.8%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Wilson Creek		
Point of Contact	Laura Christian		
Telephone	509-345-2541 x224		
E-Mail	lchristian@wilsoncreek.org		
File Name	Wilson Creek, Wilson Creek High School, Gymnasium Commons EPAT.xlsm	**File Date:**	7/24/2018

District	Wilson Creek
Facility Name	Wilson Creek High School
Building Part Name	Gymnasium/Commons

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.0%	**Site Class**	C
10% in 50 year PGA	8.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	20.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	9%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
17,335	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Wilson Creek High School
Building Name	Gymnasium/Commons
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.426214	47.426214	47.426214
Decimal Longitude	-119.119492	-119.119492	-119.119492
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms	RM1
Number of Stories (Excluding Basement)***	1		1
Year Built***	1997		1997
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1988-1991		1988-1991
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Wilson Creek	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Wilson Creek High School	
Building Name	Gymnasium/Commons	Very Low

Building Data		
HAZUS Building Type	RM1	Reinforced Masonry Bearing Walls w/ Wood or Metal Diaphragms
Year Built	1997	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1988-1991 UBC	
Existing Building Code Level	Moderate-Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data		
Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	9%	Earthquake ground shaking hazard is higher than 9% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	**Building Damage Estimate[2]**	**Probability Building is not Repairable[3]**	**Life Safety[4] Risk Level**	**Most Likely Post-Earthquake Tagging[5]**
Existing Building	7.7%	5.0%	Very Low	Green/Yellow
Life Safety Retrofit Building	*			
Current Code Building	*			

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool	
Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Wilson Creek		
Point of Contact	Laura Christian		
Telephone	509-345-2541 x224		
E-Mail	lchristian@wilsoncreek.org		
File Name	Wilson Creek, Wilson Creek High School, Main Gym and Classrooms EPAT.xlsm	**File Date:**	7/24/2018

District	Wilson Creek
Facility Name	Wilson Creek High School
Building Part Name	Main Gym and Classrooms

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.0%	**Site Class**	C
10% in 50 year PGA	8.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	20.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	9%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
18,944	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Wilson Creek High School
Building Name	Main Gym and Classrooms
Building Use	Educational, Assembly

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.426214	47.426214	47.426214
Decimal Longitude	-119.119492	-119.119492	-119.119492
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	URM	Unreinforced Masonry Bearing Walls	URM
Number of Stories (Excluding Basement)***	2		2
Year Built***	1932		1932
Code for Building Design (if known)	Unknown	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	Unknown
Design Code Year (if known)	Unknown		Unknown
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Wilson Creek	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Wilson Creek High School	
Building Name	Main Gym and Classrooms	Low-Moderate

Building Data

HAZUS Building Type	URM	Unreinforced Masonry Bearing Walls
Year Built	1932	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	<1973 UBC	
Existing Building Code Level	Pre	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	9%	Earthquake ground shaking hazard is higher than 9% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	20%	16%	Low-Moderate	Green/Yellow
Life Safety Retrofit Building	9.5%	5.8%	Very Low	Green/Yellow
Current Code Building	6.8%	3.6%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

Washington Schools Earthquake Performance Assessment Tool (EPAT)
MAIN PAGE

Full District Name	Wilson Creek		
Point of Contact	Laura Christian		
Telephone	509-345-2541 x224		
E-Mail	lchristian@wilsoncreek.org		
File Name	Wilson Creek, Wilson Creek High School, Vo Ag Science Building EPAT.xlsm	**File Date:**	7/24/2018

District	Wilson Creek
Facility Name	Wilson Creek High School
Building Part Name	Vo Ag/Science Building

Earthquake Ground Motion (% g)		**Earthquake Hazards**	
20% in 50 year PGA	5.0%	**Site Class**	C
10% in 50 year PGA	8.0%	**Ground Shaking Hazard**	Moderate
2% in 50 year PGA	20.1%	**Liquefaction Potential**	Very Low
Percentile S_s *Among all WA Campuses*	9%	**Combined Earthquake Hazard Level**	Moderate

Total Building Part Area (Square Feet)	**Building Evaluated By**	**Input Data by Person(s)**
7,950	DNR, Reid Middleton	Tim Green, Reid Middleton

The Earthquake Ground Motion and Earthquake Hazard Hazards data shown above are primarily for use and interpretation by engineers.

Refer to the EPAT User Guide for technical explanations of the Earthquake Ground Motion and the Earthquake Hazards information.

Washington Schools Earthquake Performance Assessment Tool (EPAT)
BUILDING DATA PAGE

Facility Name	Wilson Creek High School
Building Name	Vo Ag/Science Building
Building Use	Educational

Data Entry Item	User Entered Values	Default Values	Used for BCA
Seismic Data			
Decimal Latitude	47.426214	47.426214	47.426214
Decimal Longitude	-119.119492	-119.119492	-119.119492
Site Class (Soil/Rock Type)	C	C	C
Liquefaction Potential	Very Low	Very Low	Very Low
Geographic Region for Seismic Zones	Eastern	Eastern	Eastern
Building Structural Data			
HAZUS Building Type***	W2	Wood, Commercial & Industrial (>5,000 SF)	W2
Number of Stories (Excluding Basement)***	2		2
Year Built***	1989		1989
Code for Building Design (if known)	UBC	**Use the Drop-Down menus to Select Data Entries for the Bright Green Shaded data cells.**	UBC
Design Code Year (if known)	1976-1985		1976-1985
Severe Vertical Irregularity***	No		No
Moderate Vertical Irregularity***	No		No
Plan (Horizontal) Irregularity***	No		No

***** Mandatory Data Entry**

Washington Schools Earthquake Performance Assessment Tool (EPAT)
RESULTS SUMMARY

District Name	Wilson Creek	**Existing Building Life Safety Risk & Priority for Retrofit or Replacement**
School Name	Wilson Creek High School	
Building Name	Vo Ag/Science Building	Very Low

Building Data

HAZUS Building Type	W2	Wood, Commercial & Industrial (>5,000 SF)
Year Built	1989	These parameters determine the capacity of the existing building to withstand earthquake forces.
Building Design Code	1976-1985 UBC	
Existing Building Code Level	Low	
Geographic Area	Eastern	
Severe Vertical Irregularity	No	Buildings with irregularities have greater earthquake damage than otherwise similar buildings that are regular.
Moderate Vertical Irregularity	No	
Plan Irregularity	No	

Seismic Data

Earthquake Ground Shaking Hazard Level	Moderate	Frequency and severity of earthquakes at this site
Percentile S_s Among WA K-12 Campuses	9%	Earthquake ground shaking hazard is higher than 9% of WA campuses.
Site Class (Soil or Rock Type)	C	Very Dense Soil and Soft Rock
Liquefaction Potential	Very Low	Liquefaction increases the risk of major damage to a building
Combined Earthquake Hazard Level	Moderate	Earthquake ground shaking and liquefaction potential

Severe Earthquake Event (Design Basis Earthquake Ground Motion)[1]

Building State	Building Damage Estimate[2]	Probability Building is not Repairable[3]	Life Safety[4] Risk Level	Most Likely Post-Earthquake Tagging[5]
Existing Building	7.3%	2.6%	Very Low	Green/Yellow
Life Safety Retrofit Building	5.3%	1.6%	Very Low	Green
Current Code Building	3.8%	0.9%	Very Low	Green

1. 2/3rds of the 2% in 50 year ground motion
2. Percentage of building replacement value.
3. Probability building is in the Extensive or Complete damage states. For existing buildings, the probability that the building is not economically repairable may be higher: some buildings in the Moderate Damage state are also likely to be demolished.
4. Based on probability of Complete Damage State.
5. Most likely post-earthquake damage state per ATC-20.

Source for the Data Entered into the Tool

Building Evaluated By:	DNR, Reid Middleton
Person(s) Who Entered Data in EPAT:	Tim Green, Reid Middleton
User Overrides of Default Parameters:	Building Design Code Year, Latitude, Longitude, Site Class, Liquefaction, Geographic Region

APPENDIX G: RAPID VISUAL SCREENING SUMMARY TABLES

Rapid Visual Screening Scores (FEMA P-154) for 222 School Buildings Selected

District Name, Facility Name, Building Name	Enrollment	Latitude	Longitude	FEMA Construction Type	Number of Floors	Gross Sq Ft	Year Built	Ss BSE-2N	S1 BSE-2N	ASCE 41 Level of Seismicity	Site Class	RVS Seismicity Level	Calculated Level 1 Score	Level 1 Score Min	Final Level 1 Score	Recommended for Seismic Assessment?
Cape Flattery, Clallam Bay High and Elementary School, High School Building	115	48.252	-124.259	C2	1	27,217	1972	1.468	0.71	High	D	Very High	0.5	0.3	0.5	YES
Cape Flattery, Neah Bay Junior/ Senior High School, Neah Bay High School Gym	185	48.363	-124.623	C2	1	12,343	1972	1.473	0.737	High	D	Very High	0.5	0.3	0.5	YES
Fife, Fife High School, Building IV 400 Library	837	47.238	-122.353	C2	2	34556	1950	1.47	0.55	High	E	High	-0.5	0.3	0.3	YES
Hoquiam, Hoquiam High School, A-Administration	491	46.983	-123.910	C2	2	28,385	1966	1.154	0.446	High	D	High	0.5	0.3	0.5	YES
Hoquiam, Hoquiam High School, B-Science	491	46.983	-123.910	C2	2	22,992	1966	1.154	0.446	High	D	High	0.1	0.3	0.3	YES
Marysville, Totem Middle School, School House Cafe	556	48.055	-122.174	C2	1	7,252	1955	1.281	0.5	High	D	High	1.3	0.3	1.3	YES
Morton, Morton Elementary School, Main Building	176	46.558	-122.279	C2	2	25,182	1930	1.472	0.557	High	C	High	1.3	0.3	1.3	YES
Mount Vernon, Lincoln Elementary School, Main Building	373	48.415	-122.328	C2	3	40,002	1938	0.866	0.369	High	C	Moderately High	0.3	0.3	0.3	YES
Ocean Beach, Ilwaco (Hilltop) Middle School, Auditorium	316	46.311	-124.039	C2	2	7,369	1936	0.895	0.339	High	D	Moderately High	1.0	0.3	1.0	YES
Ocean Beach, Ilwaco (Hilltop) Middle School, Main Building	316	46.311	-124.039	C2	3	46,330	1932	0.491	0.202	High	D	Moderately High	0.1	0.3	0.3	YES
Quilcene, Quilcene High And Elementary School, High School	206	47.823	-122.875	C2	2	7,856	1935	0.546	0.25	High	C	Moderately High	1.3	0.3	1.3	YES
Raymond, Raymond Elementary School, Raymond elementary	325	46.686	-123.726	C2	1	Unknown	1955	0.544	0.249	High	D	Moderately High	0.5	0.3	0.5	YES
Skykomish, Skykomish School, Main Building	16	47.709	-121.362	C2	3	39,433	1938	0.369	0.129	High	D	Moderate	0.3	0.3	0.3	YES
White Salmon Valley, Hulan L. Whitson Elementary School, Main Building	427	45.731	-121.487	C2	2	47,190	1956	0.322	0.123	High	C	Moderate	-0.6	0.3	0.3	YES
Royal, Royal High School, A Gymnasium	492	46.912	-119.628	C3	1	31,320	1965	0.323	0.126	Moderate	C	Moderate	1.7	0.3	1.7	YES
Warden, Warden K-12, Gymnasium	326	46.961	-119.042	C3	1	22,453	1900	0.474	0.187	Moderate	C	Moderate	1.7	0.3	1.7	YES
East Valley (Yakima), East Valley Central Middle School, 6th Grade Building	686	46.573	-120.405	PC1	1	15,382	1980	1.274	0.493	High	C	High	1.0	0.2	1.0	YES
East Valley (Yakima), East Valley Central Middle School, Gymnasium Building	686	46.573	-120.405	PC1	1	19,420	1950	1.274	0.493	High	C	High	0.6	0.2	0.6	YES
Longview, R. A. Long High School, Gym	928	46.141	-122.955	PC1	1	44,541	1927	1.256	0.484	High	E	High	0.3	0.2	0.3	YES
Naches Valley, Naches Valley High School, Gym Building	453	46.736	-120.703	PC1	1	21,000	1979	0.875	0.372	High	D	Moderately High	1.8	0.2	1.8	YES
Newport, Newport High School, Main Building	354	48.177	-117.062	PC1	1	78,838	1983	0.867	0.33	Low	C	Moderately High	1.2	0.3	1.2	YES
Touchet, Touchet Elementary and High School, Secondary Facility	226	46.043	-118.672	PC1	1	29,478	1975	0.426	0.17	Moderate	C	Moderate	1.2	0.3	1.2	YES
White Salmon Valley, Columbia High School, C Court - Gym	387	45.742	-121.494	PC1	1	33,246	1970	0.39	0.148	High	C	Moderate	0.6	0.2	0.6	YES
White Salmon Valley, Columbia High School, Libray	387	45.742	-121.494	PC1	1	5,225	1970	0.39	0.148	High	C	Moderate	0.6	0.2	0.6	YES
White Salmon Valley, Columbia High School, Metal /Wood Shop	387	45.742	-121.494	PC1	1	7,560	1970	0.39	0.148	High	C	Moderate	1.4	0.2	1.4	YES
Battle Ground, Prairie High School, 500 Building	1,577	45.705	-122.555	RM1	1	9,052	1979	1.251	0.612	High	D	Very High	1.1	0.3	1.1	YES
Battle Ground, Prairie High School, 600 Building	1,577	45.705	-122.555	RM1	1	10,725	1979	1.251	0.612	High	D	Very High	1.1	0.3	1.1	YES
Boistfort, Boistfort Elementary, Gymnasium Building	99	46.550	-123.133	RM1	1	14,530	1963	1.221	0.617	High	D	Very High	0.3	0.3	0.3	YES
Camas, Lacamas Heights Elementary School, 100 Pod	353	45.613	-122.403	RM1	1	8,182	1962	1.454	0.696	High	C	Very High	0.6	0.3	0.6	YES
Camas, Lacamas Heights Elementary School, Multipurpose	353	45.613	-122.403	RM1	1	18,804	1962	1.454	0.696	High	C	Very High	0.6	0.3	0.6	YES
Camas, Liberty Middle School, Main Building	763	45.592	-122.403	RM1	1	109,248	1958	1.454	0.696	High	C	Very High	0.6	0.3	0.6	YES
Camas, Liberty Middle School, Music Building	763	45.592	-122.403	RM1	1	4,928	1970	1.467	0.711	High	C	Very High	1.3	0.3	1.3	YES
Cape Flattery, Clallam Bay High and Elementary School, Elementary Building	115	48.252	-124.259	RM1	1	5,880	1962	1.467	0.711	High	D	Very High	0.9	0.3	0.9	YES
Cape Flattery, Clallam Bay High and Elementary School, Elementary Gym	115	48.252	-124.259	RM1	1	4,305	1980	1.468	0.71	High	D	Very High	1.1	0.3	1.1	YES
Cape Flattery, Clallam Bay High and Elementary School, Shop and Art Building	115	48.252	-124.259	RM1	1	6,058	1980	1.468	0.71	High	D	Very High	1.1	0.3	1.1	YES
Cape Flattery, Neah Bay Elementary School, Elementary School	166	48.364	-124.622	RM1	1	17,740	1961	1.468	0.71	High	D	Very High	0.5	0.3	0.5	YES
Concrete, Concrete High School, Tech Building	271	48.533	-121.759	RM1	1	7,875	1952	1.365	0.672	High	C	Very High	1.3	0.3	1.3	YES
Coupeville, Coupeville Elementary School, Cedar Pod	413	48.212	-122.688	RM1	1	4,481	1979	1.01	0.399	High	C	High	1.7	0.3	1.7	YES
Coupeville, Coupeville Elementary School, Main	413	48.212	-122.688	RM1	1	31,835	1974	1.185	0.443	High	C	High	0.5	0.3	0.5	YES
Coupeville, Coupeville Elementary School, Multipurpose	413	48.212	-122.688	RM1	1	7,808	1979	1.185	0.443	High	C	High	1.7	0.3	1.7	YES
Coupeville, Coupeville High School, Annex	321	48.207	-122.685	RM1	1	12,000	1978	1.185	0.443	High	D	High	1.7	0.3	1.7	YES
Coupeville, Coupeville High School, Gymnasium	321	48.207	-122.685	RM1	1	10,000	1991	1.185	0.443	High	D	High	1.2	0.3	1.2	YES
East Valley (Yakima), East Valley Elementary School, Main Building	550	46.575	-120.403	RM1	1	71,064	1996	1.274	0.493	High	C	High	1.1	0.3	1.1	YES
Fife, Columbia Junior High School, Main Building	552	47.230	-122.356	RM1	1	97496	2003	1.47	0.55	High	E	High	2.5	0.3	2.5	NO
Fife, Fife High School, Building VIII 800 Shop	837	47.238	-122.353	RM1	1	9500	1963	0.963	0.446	High	E	High	1.1	0.3	1.1	YES
Glenwood, Glenwood School, Main Building	90	46.022	-121.290	RM1	1	38,961	1981	0.963	0.446	High	C	High	0.5	0.3	0.5	YES
Grand Coulee Dam, Lake Roosevelt K-12, CTE Building	750	47.972	-118.971	RM1	1	46,336	1955	0.963	0.446	High	D	High	1.9	0.3	1.9	YES
Hoquiam, Hoquiam High School, H-Gymnasium	491	46.983	-123.910	RM1	2	31,040	1966	1.154	0.446	High	D	High	0.5	0.3	0.5	YES
Index, Index Elementary School, Main Building	44	47.821	-121.555	RM1	1	4,881	1954	1.087	0.424	High	C	High	1.3	0.3	1.3	YES
Kelso, Carrolls Elementary School, Main Building	148	46.070	-122.866	RM1	1	17,276	1948	1.334	0.54	High	B	High	0.5	0.3	0.5	YES
Longview, R. A. Long High School, Science Wing	928	46.141	-122.955	RM1	1	15,316	1935	1.256	0.484	High	E	High	1.1	0.3	1.1	YES
Mabton, Mabton Jr/Sr High School, Main Building	387	46.212	-119.995	RM1	1	57,540	1950	1.248	0.479	High	D	High	1.9	0.3	1.9	YES
Mabton, Mabton Jr/Sr High School, Shop/Ag Building	387	46.212	-119.995	RM1	1	10,400	1980	1.319	0.541	High	D	High	2.1	0.3	2.1	NO
Mansfield, Mansfield Elem and High School, Main Building	106	47.816	-119.644	RM1	1	37,018	1983	1.319	0.541	Low	B	High	2.7	0.3	2.7	NO
Marysville, Marysville Middle School, Building C - Shop Classrooms	800	48.059	-122.164	RM1	1	2,592	1960	0.912	0.409	High	D	High	1.2	0.3	1.2	YES
Marysville, Totem Middle School, Home Economics Building	556	48.055	-122.174	RM1	1	4,420	1955	1.101	0.446	High	D	High	0.5	0.3	0.5	YES
Marysville, Totem Middle School, Main Building	556	48.055	-122.174	RM1	1	22,384	1966	1.495	0.586	High	D	High	1.2	0.3	1.2	YES
Marysville, Totem Middle School, Science Building	556	48.055	-122.174	RM1	1	5,280	1962	1.3	0.509	High	D	High	1.2	0.3	1.2	YES
Methow Valley, Liberty Bell Junior Senior High School, Main Building	259	48.443	-120.170	RM1	2	94,000	1994	1.315	0.549	High	D	High	1.1	0.3	1.1	YES
Methow Valley, Methow Valley Elementary School, Main Building	341	48.441	-120.167	RM1	1	62,640	1963	1.315	0.549	High	D	High	0.6	0.3	0.6	YES
Mount Baker, Mount Baker Senior High School, Field House	579	48.825	-122.220	RM1	1	30,941	1968	0.865	0.38	High	D	Moderately High	1.3	0.3	1.3	YES
Naches Valley, Naches Valley High School, Main Building	453	46.736	-120.703	RM1	2	47,500	1979	0.875	0.372	High	D	Moderately High	1.8	0.3	1.8	YES
Naches Valley, Naches Valley High School, Vocational Building	453	46.736	-120.703	RM1	2	17,200	1979	0.867	0.33	High	D	Moderately High	1.8	0.3	1.8	YES
Naches Valley, Naches Valley Middle School, Main Building	407	46.728	-120.695	RM1	1	65,803	1994	0.867	0.33	High	C	Moderately High	1.8	0.3	1.8	YES
North Beach, Pacific Beach Elementary School, Gym/Lunchroom	150	47.208	-124.200	RM1	1	10,049	1956	0.867	0.33	High	D	Moderately High	0.2	0.3	0.3	YES
North Beach, Pacific Beach Elementary School, Quad Building	150	47.208	-124.200	RM1	1	4,884	1970	0.895	0.339	High	D	Moderately High	0.9	0.3	0.9	YES
Ocosta, Ocosta Elementary School, Primary Addition	320	46.862	-124.100	RM1	1	15,530	1986	0.555	0.245	High	D	Moderately High	1.1	0.3	1.1	YES
Ocosta, Ocosta Junior Senior High School, Junior Senior High	285	46.864	-124.101	RM1	1	67,265	1986	0.869	0.383	High	D	Moderately High	0.7	0.3	0.7	YES
Oroville, Oroville Elementary School, Main Building	323	48.933	-119.437	RM1	1	65,534	1954	0.869	0.383	High	D	Moderately High	1.1	0.3	1.1	YES
Pateros, Pateros K-12 School, Main Building	138	48.052	-119.906	RM1	2	51,157	1948	0.514	0.194	High	D	Moderately High	1.1	0.3	1.1	YES
Pateros, Pateros K-12 School, Music Building	138	48.052	-119.906	RM1	1	1,680	1958	0.932	0.357	High	D	Moderately High	1.9	0.3	1.9	YES
Paterson, Paterson Elementary School, Main Building	145	45.939	-119.609	RM1	1	14,970	1968	0.932	0.357	Low	B	Moderately High	2.5	0.3	2.5	NO
Riverside, Chattaroy Elementary School, Main Building	289	47.892	-117.358	RM1	1	27,953	1987	0.48	0.19	Moderate	D	Moderate	1.3	0.3	1.3	YES
Royal, Royal High School, B Main Building	492	46.912	-119.628	RM1	1	28,636	1965	0.343	0.122	Moderate	C	Moderate	1.9	0.3	1.9	YES
Royal, Royal Middle School, Main Building	248	46.911	-119.627	RM1	1		1991	0.343	0.122	Moderate	C	Moderate	2.1	0.3	2.1	NO
South Bend, South Bend Jr/Sr High School, Koplitz Field House	225	46.662	-123.792	RM1	1	16254	1950	0.373	0.142	High	E	Moderate	0.7	0.3	0.7	YES
South Bend, South Bend Jr/Sr High School, Vocational Building	225	46.662	-123.792	RM1	1	6542	1954	0.373	0.142	High	E	Moderate	-0.1	0.3	0.3	YES
Thorp, Thorp Elementary and Junior Senior High School, Thorp Elem/Jr/Sr High School	158	47.070	-120.676	RM1	1	38,975	1991	0.495	0.187	High	C	Moderate	1.8	0.3	1.8	YES
Tonasket, Tonasket Elementary School, Tonasket Elementary	593	48.702	-119.432	RM1	1	60,825	1995	0.436	0.165	High	D	Moderate	1.3	0.3	1.3	YES
Touchet, Touchet Elementary and High School, Elementary - Main Building	226	46.043	-118.672	RM1	1	40,250	1960	0.426	0.17	Moderate	C	Moderate	0.4	0.3	0.4	YES
Tumwater, Black Lake Elementary School, Building C	504	46.991	-122.967	RM1	1	4,018	1984	0.332	0.115	High	C	Moderate	1.7	0.3	1.7	YES
Vashon Island, Vashon Island High School, Building D - Gymnasium	596	47.423	-122.457	RM1	3	23,744	1961	0.332	0.115	High	C	Moderate	0.7	0.3	0.7	YES
Warden, Warden K-12, Cafeteria	326	46.961	-119.042	RM1	1	10,312	1965	0.334	0.115	Moderate	C	Moderate	1.9	0.3	1.9	YES
White Pass, White Pass Elementary School, Main Building	231	46.536	-121.928	RM1	1	30,659	1964	0.38	0.14	High	D	Moderate	0.7	0.3	0.7	YES
White Pass, White Pass Junior Senior High School, Main Building	227	46.537	-121.930	RM1	1	62,005	1964	0.38	0.14	High	D	Moderate	0.0	0.3	0.3	YES
White Salmon Valley, Wayne M. Henkle Middle School, Middle School	195	45.740	-121.494	RM1	1	36,587	1960	0.322	0.123	High	C	Moderate	0.6	0.3	0.6	YES
Wilson Creek, Wilson Creek K-12, Gym/Commons	92	47.426	-119.121	RM1	1	17,335	1997	0.376	0.147	Moderate	C	Moderate	2.1	0.3	2.1	NO

Rapid Visual Screening Scores (FEMA P-154) for 222 School Buildings Selected

District Name, Facility Name, Building Name	Enrollment	Latitude	Longitude	FEMA Construction Type	Number of Floors	Gross Sq Ft	Year Built	Ss BSE-2N	S1 BSE-2N	ASCE 41 Level of Seismicity	Site Class	RVS Seismicity Level	Calculated Level 1 Score	Level 1 Score Min	Final Level 1 Score	Recommended for Seismic Assessment?
Bickleton, Bickleton Elementary and High School, Main Building	87	45.999	-120.293	RM2	1	39,330	2010	1.221	0.617	Low	B	Very High	4.3	0.3	4.3	NO
Camas, Skyridge Middle School, Main Building	936	45.616	-122.448	RM2	2	108,198	1995	1.467	0.711	High	D	Very High	2.2	0.3	2.2	NO
Central Kitsap, Ridgetop Junior High, Main	438	47.659	-122.668	RM2	2	121246	1986	1.453	0.728	High	C	Very High	1.7	0.3	**1.7**	**YES**
Darrington, Darrington Senior High School, Woodshop	134	48.248	-121.603	RM2	1		1960	1.409	0.55	High	D	High	1.3	0.3	**1.3**	**YES**
Marysville, Totem Middle School, Cafeteria Gym Building	556	48.055	-122.174	RM2	1	48,594	1958	1.101	0.446	High	D	High	0.7	0.3	**0.7**	**YES**
Ocean Beach, Ilwaco High School, Stadium Complex	286	46.313	-124.040	RM2	2	11,568	1976	0.491	0.202	High	D	Moderately High	1.1	0.3	**1.1**	**YES**
Tonasket, Tonasket Middle-High School, High School/Middle School	569	48.702	-119.434	RM2	2	106,398	1995	0.339	0.116	High	D	Moderate	3.7	0.3	3.7	NO
Carbonado, Carbonado Historical School 19, 1st and 2nd Grade and Special Education Building	179	47.081	-122.054	S1	1	2,944	1968	1.372	0.702	High	C	Very High	1.5	0.5	**1.5**	**YES**
East Valley (Yakima), East Valley Central Middle School, 7th - 8th Grade Building	686	46.573	-120.405	S2	2	37,740	2010	1.274	0.493	High	C	High	2.8	0.5	2.8	NO
Pateros, Pateros K-12 School, Metal Shop	138	48.052	-119.906	S2	1	4,000	1962	0.932	0.357	High	D	Moderately High	2.4	0.6	2.4	NO
Spokane, Audubon Elementary School, Main Building	427	47.680	-117.442	S2		51653	1980	0.437	0.17	Low	C	Moderate	2.6	0.6	2.6	NO
Tonasket, Tonasket Elementary School, Greenhouse	593	48.702	-119.432	S2	1	400	1995	0.495	0.187	High	D	Moderate	2.6	0.6	2.6	NO
Bickleton, Bickleton Elementary and High School, Bldg B - Vocational/Transportation	87	45.999	-120.293	S3	1	3,672	1961	1.221	0.617	Low	B	Very High	2.7	0.8	2.7	NO
Cape Flattery, Neah Bay Junior/ Senior High School, Neah Bay High School Shop Building	185	48.363	-124.623	S3	1	8,081	1972	1.473	0.737	High	D	Very High	0.7	0.5	**0.7**	**YES**
Dayton, Dayton High School, Gymnasium	139	46.316	-117.973	S3	1	27,152	1966	1.416	0.552	Low	B	High	3.9	0.8	3.9	NO
Grand Coulee Dam, Lake Roosevelt K-12, Wood Shop	750	47.972	-118.971	S3	1	4,043	1974	0.963	0.446	High	D	High	2.1	0.8	2.1	NO
Highline, Woodside Site, Annex	27	47.438	-122.325	S5	1	10,306	1960	1.148	0.444	High	D	High	1.5	0.5	**1.5**	**YES**
Highline, Woodside Site, Main Building	27	47.438	-122.325	S5	1	22,768	1958	1.154	0.446	High	D	High	0.9	0.5	**0.9**	**YES**
Boistfort, Boistfort Elementary, Main Building	99	46.550	-123.133	URM	1	18,935	1936	1.221	0.617	High	D	Very High	-0.1	0.2	**0.2**	**YES**
Carbonado, Carbonado Historical School 19, A - Main Building	179	47.081	-122.054	URM	2	13,425	1929	1.372	0.702	High	C	Very High	0.6	0.2	**0.6**	**YES**
Centerville, Centerville Elementary School, Main Building	82	45.752	-120.900	URM	2	16,188	1919	1.395	0.708	High	C	Very High	1.6	0.2	**1.6**	**YES**
Centralia, Edison Elementary School, Main Building	345	46.722	-122.959	URM	1	31,521	1918	1.584	0.632	High	C	Very High	0.2	0.2	**0.2**	**YES**
Dayton, Dayton High School, Ag Shop	139	46.316	-117.973	URM	1	7,376	1954	1.409	0.55	Low	B	High	2.9	0.2	2.9	NO
Dayton, Dayton High School, High School Building	139	46.316	-117.973	URM	3	37,524	1923	1.416	0.552	Low	B	High	1.9	0.2	**1.9**	**YES**
Dayton, Dayton High School, Wood Shop	139	46.316	-117.973	URM	1	10,846	1966	1.416	0.552	Low	B	High	2.2	0.2	2.2	NO
Dayton, Dayton K-8 School, Elementary and Middle School Building	245	46.317	-117.975	URM	2	42,716	1966	1.087	0.479	Low	B	High	2.2	0.2	2.2	NO
Dixie, Dixie Elementary School, Main Building	30	46.141	-118.151	URM	3	15,291	1921	1.004	0.399	Moderate	D	High	1.6	0.2	**1.6**	**YES**
Evaline, Evaline Elementary School, Main Building	50	46.539	-122.938	URM	2	6,207	1926	1.274	0.493	High	D	High	1.0	0.2	**1.0**	**YES**
Green Mountain, Green Mountain School, Main Building	158	45.948	-122.539	URM	2	3,554	1932	1.148	0.444	High	D	High	1.1	0.2	**1.1**	**YES**
Harrington, Harrington Elementary & High School, Main Building	87	47.479	-118.251	URM	1	53,605	1936	1.148	0.444	Moderate	C	High	1.6	0.2	**1.6**	**YES**
La Conner, La Conner High School, High School Auditorium	219	48.396	-122.490	URM	1	4,808	1921	1.334	0.54	High	D	High	0.6	0.2	**0.6**	**YES**
La Conner, La Conner Middle School (form. Elem.), Old Auditorium/Cafeteria Bldg	133	48.396	-122.490	URM	1	9,537	1921	1.334	0.54	High	D	High	1.0	0.2	**1.0**	**YES**
Longview, R. A. Long High School, Main Building	928	46.141	-122.955	URM	2	103,568	1927	1.256	0.484	High	E	High	-0.3	0.2	**0.2**	**YES**
Longview, R. A. Long High School, Shop Bldg	928	46.141	-122.955	URM	1	10,422	1942	1.248	0.479	High	E	High	0.8	0.2	**0.8**	**YES**
Palisades, Palisades Elementary School, Main Building	32	47.416	-119.916	URM	2	5,084	1923	0.967	0.363	High	D	Moderately High	1.6	0.2	**1.6**	**YES**
Port Townsend, Port Townsend High School, Gym	366	48.118	-122.768	URM	1	34,112	1941	0.932	0.357	High	D	Moderately High	1.0	0.2	**1.0**	**YES**
Port Townsend, Port Townsend High School, Main Building	366	48.118	-122.768	URM	3	45,578	1934	0.932	0.357	High	D	Moderately High	0.6	0.2	**0.6**	**YES**
Port Townsend, Port Townsend High School, Math Science Annex	366	48.118	-122.768	URM	2	13,169	1928	0.932	0.357	High	D	Moderately High	0.6	0.2	**0.6**	**YES**
Puyallup, Maplewood Elementary School, Main Building	434	47.190	-122.309	URM	1	43,621	1934	0.564	0.229	High	E	Moderately High	0.4	0.2	**0.4**	**YES**
Puyallup, Puyallup High School, Main Building	1752	47.191	-122.303	URM	3	121,408	1927	0.567	0.233	High	E	Moderately High	0.4	0.2	**0.4**	**YES**
Puyallup, Spinning Elementary School, Main Building	318	47.189	-122.277	URM	1	11,480	1923	0.833	0.357	High	D	Moderately High	0.6	0.2	**0.6**	**YES**
Riverside, Chattaroy Elementary School, 35 Wing Building	289	47.892	-117.358	URM	2	13,956	1934	0.48	0.19	Moderate	D	Moderate	0.9	0.2	**0.9**	**YES**
Spokane, Adams Elementary School, Gym and Cafeteria Building	334	47.621	-117.368	URM	1	7200	1950	0.478	0.183	Low	C	Moderate	1.0	0.2	**1.0**	**YES**
Spokane, Adams Elementary School, Main Building	334	47.621	-117.368	URM		34628	1910	0.478	0.183	Low	C	Moderate	1.6	0.2	**1.6**	**YES**
Spokane, Libby Center, Main Building	278	47.656	-117.368	URM	2	66,393	1928	0.338	0.113	Low	C	Moderate	0.9	0.2	**0.9**	**YES**
Tacoma, Fern Hill Elementary School, Main Building	324	47.179	-122.443	URM	3	60,159	1911	0.425	0.178	High	C	Moderate	1.0	0.2	**1.0**	**YES**
Tacoma, Oakland High School, Main Building	203	47.230	-122.486	URM	3	41,575	1911	0.425	0.178	High	C	Moderate	1.0	0.2	**1.0**	**YES**
Touchet, Touchet Elementary and High School, CTE Building	226	46.043	-118.672	URM	1	3,440	1960	0.339	0.116	Moderate	C	Moderate	1.6	0.2	**1.6**	**YES**
Washtucna, Washtucna Elementary High School, Ag Shop/ Music Room	46	46.752	-118.310	URM	2	8,375	1956	0.391	0.149	Moderate	C	Moderate	1.0	0.2	**1.0**	**YES**
Washtucna, Washtucna Elementary High School, Main Building	46	46.752	-118.310	URM	1	37,873	1956	0.38	0.14	Moderate	C	Moderate	0.3	0.2	**0.3**	**YES**
Wilson Creek, Wilson Creek K-12, Main - Gym & Classrooms	92	47.426	-119.121	URM	2	18,944	1932	0.376	0.147	Moderate	C	Moderate	1.6	0.2	**1.6**	**YES**
Battle Ground, Maple Grove K-8, Main Building	484	45.768	-122.544	W2	2	64,693	1990	1.251	0.612	High	D	Very High	3.6	0.8	3.6	NO
Battle Ground, Prairie High School, 400 Building	1,577	45.705	-122.555	W2	2	25,057	1995	1.251	0.612	High	D	Very High	5.5	0.8	5.5	NO
Battle Ground, River Homelink, Main Building	966	45.767	-122.545	W2	2	34,863	1980	1.221	0.617	High	D	Very High	4.4	0.8	4.4	NO
Burlington-Edison, Edison Elementary School, Original Building	449	48.562	-122.439	W2	2	58,646	1995	1.454	0.696	High	E	Very High	5.2	0.7	5.2	NO
Cape Flattery, Clallam Bay High and Elementary School, Big Gym	115	48.252	-124.259	W2	1	11,909	1962	1.251	0.612	High	D	Very High	0.9	0.7	**0.9**	**YES**
Cape Flattery, Clallam Bay High and Elementary School, Big Gym	115	48.252	-124.259	W2	1	11,909	1962	1.467	0.711	High	D	Very High	0.9	0.7	**0.9**	**YES**
Cape Flattery, Neah Bay Junior/ Senior High School, Neah Bay High School Classroom Building	185	48.363	-124.623	W2	1	26,463	1956	1.473	0.737	High	D	Very High	0.9	0.7	**0.9**	**YES**
Cape Flattery, Neah Bay Junior/ Senior High School, Neah Bay Middle School & Gym	185	48.363	-124.623	W2	1	14,397	2002	1.372	0.702	High	D	Very High	3.8	0.7	3.8	NO
Carbonado, Carbonado Historical School 19, B - Community Gym	179	47.081	-122.054	W2	2	803	1936	1.372	0.702	High	C	Very High	2.0	0.7	2.0	NO
Carbonado, Carbonado Historical School 19, Computer Lab and Library	179	47.081	-122.054	W2	1	2,289	1990	1.379	0.705	High	C	Very High	5.1	0.7	5.1	NO
Central Kitsap, Silver Ridge Elementary, Main	412	47.658	-122.667	W2	1	49531	1990	1.453	0.728	High	C	Very High	4.1	0.7	4.1	NO
Concrete, Concrete High School, Main Building	271	48.533	-121.759	W2	1	58,216	1951	1.365	0.672	High	C	Very High	1.0	0.8	**1.0**	**YES**
Concrete, Concrete K-6 School, Gym	254	48.535	-121.758	W2	1	12,264	1981	1.375	0.68	High	C	Very High	4.7	0.8	4.7	NO
Concrete, Concrete K-6 School, Main Building	254	48.535	-121.758	W2	1	32,182	1981	1.375	0.68	High	C	Very High	4.4	0.8	4.4	NO
Cosmopolis, Cosmopolis Elementary School, Auditorium Building	164	46.953	-123.772	W2	1	7,128	1960	1.458	0.738	High	D	Very High	1.5	0.7	**1.5**	**YES**
Cosmopolis, Cosmopolis Elementary School, Gymnasium Building	164	46.953	-123.772	W2	1	10,743	1969	1.458	0.738	High	D	Very High	1.5	0.7	**1.5**	**YES**
Cosmopolis, Cosmopolis Elementary School, Main Building	164	46.953	-123.772	W2	1	30,456	1960	1.122	0.512	High	D	High	0.9	0.7	**0.9**	**YES**
Cosmopolis, Cosmopolis Elementary School, Multipurpose Building	164	46.953	-123.772	W2	1	4,278	1960	1.122	0.512	High	D	High	1.5	0.7	**1.5**	**YES**
Coupeville, Coupeville Middle School, Middle and High School Building	222	48.207	-122.685	W2	2	33,550	1992	1.384	0.552	High	D	High	3.9	0.7	3.9	NO
Creston, Creston Junior Senior High School, Creston K-12 School Building	57	47.755	-118.520	W2	1	50,425	1953	1.384	0.552	Moderate	D	High	2.0	0.9	2.0	NO
Darrington, Darrington Elementary School, Main Elementary School	311	48.247	-121.602	W2	1	39,578	1990	1.182	0.508	High	D	High	3.6	0.8	3.6	NO
Darrington, Darrington Senior High School, Darrington High School	134	48.248	-121.603	W2	1	39,857	1935	1.409	0.55	High	D	High	1.5	0.8	**1.5**	**YES**
East Valley (Yakima), East Valley Central Middle School, Computer Lab Building	686	46.573	-120.405	W2	1	2,703	1996	1.274	0.493	High	C	High	4.4	0.8	4.4	NO
Ferndale, Beach Elementary, Main Building	39	48.725	-122.687	W2	3	8,919	1919	1.274	0.493	High	C	High	0.8	0.7	**0.8**	**YES**
Fife, Fife High School, Building IX 900 Science	837	47.238	-122.353	W2	1	7040	1970	1.16	0.453	High	E	High	1.1	0.7	**1.1**	**YES**
Fife, Fife High School, Building V 500 Main	837	47.238	-122.353	W2	1	21500	1950	1.16	0.453	High	E	High	1.1	0.7	**1.1**	**YES**
Fife, Fife High School, Building VI 600 Gyms	837	47.238	-122.353	W2	1	43700	1956	1.16	0.453	High	E	High	2.1	0.7	2.1	NO
Fife, Fife High School, Building VII 700 Cafeteria	837	47.238	-122.353	W2	1	15655	1963	0.963	0.446	High	E	High	0.4	0.7	**0.7**	**YES**
Green Mountain, Green Mountain School, Gymnasium	158	45.948	-122.539	W2	1	6,353	1950	1.148	0.444	High	D	High	2.3	0.8	2.3	NO
Hoquiam, Hoquiam High School, E-Library	491	46.983	-123.910	W2	2	11,193	1966	1.154	0.446	High	D	High	1.5	0.7	**1.5**	**YES**
Hoquiam, Lincoln Elementary School, Administrative and Library Building	317	46.991	-123.888	W2	1	4,055	1968	1.084	0.42	High	E	High	0.5	0.7	**0.7**	**YES**
Hoquiam, Lincoln Elementary School, East Wing	317	46.991	-123.888	W2	1	10,933	1968	1.084	0.42	High	E	High	0.5	0.7	**0.7**	**YES**
Hoquiam, Lincoln Elementary School, Multipurpose Building	317	46.991	-123.888	W2	1	10,569	1968	1.084	0.42	High	E	High	0.5	0.7	**0.7**	**YES**
Hoquiam, Lincoln Elementary School, West Wing	317	46.991	-123.888	W2	1	8,610	1968	1.084	0.42	High	E	High	0.5	0.7	**0.7**	**YES**
Index, Index Elementary School, Enclosed Covered Play	44	47.821	-121.555	W2	1	1,408	1997	1.084	0.42	High	C	High	5.5	0.8	5.5	NO
La Conner, La Conner High School, High School Main Building	219	48.396	-122.490	W2	1	46,822	1974	1.334	0.54	High	D	High	0.3	0.7	**0.7**	**YES**

Rapid Visual Screening Scores (FEMA P-154) for 222 School Buildings Selected

District Name, Facility Name, Building Name	Enrollment	Latitude	Longitude	FEMA Construction Type	Number of Floors	Gross Sq Ft	Year Built	Ss BSE-2N	S1 BSE-2N	ASCE 41 Level of Seismicity	Site Class	RVS Seismicity Level	Calculated Level 1 Score	Level 1 Score Min	Final Level 1 Score	Recommended for Seismic Assessment?
Longview, R. A. Long High School, RA Long Annex	928	46.141	-122.955	W2	1	9,592	1963	1.256	0.484	High	E	High	2.1	0.7	2.1	NO
Marysville, Liberty Elementary School, Main Building	520	48.058	-122.169	W2	1	43,162	1951	1.319	0.541	High	D	High	1.0	0.7	**1.0**	**YES**
Marysville, Marysville Middle School, Building B	800	48.059	-122.164	W2	1	2,997	1960	0.912	0.409	High	D	High	2.0	0.7	2.0	NO
Marysville, Marysville Middle School, Main Building	800	48.059	-122.164	W2	1	97,150	1960	1.101	0.446	High	D	High	0.3	0.7	**0.7**	**YES**
Morton, Morton Elementary School, Gymnasium	176	46.558	-122.279	W2	1	8,982	1985	1.315	0.549	High	C	High	3.4	0.7	3.4	NO
Morton, Morton Junior Senior High School, Gymnasium	152	46.552	-122.273	W2	1	18,787	1957	1.472	0.557	High	E	High	2.1	0.7	2.1	NO
Morton, Morton Junior Senior High School, Main Building	152	46.552	-122.273	W2	1	34,955	1957	1.019	0.382	High	E	High	1.1	0.7	**1.1**	**YES**
Morton, Morton Junior Senior High School, Shop	152	46.552	-122.273	W2	1	7,625	1957	1.019	0.382	High	E	High	1.4	0.7	**1.4**	**YES**
Mount Baker, Mount Baker Junior High School, 200 Building - JHS	256	48.825	-122.220	W2	1	36,425	1992	0.936	0.43	High	D	High	4.4	0.8	4.4	NO
Mount Baker, Mount Baker Junior High School, Pro-Rate Portion of Commons - Building 100	256	48.825	-122.220	W2	1	8,364	1990	0.865	0.38	High	D	Moderately High	4.7	0.8	4.7	NO
Mount Baker, Mount Baker Senior High School, 300 North	579	48.825	-122.220	W2	1	8,079	1980	0.865	0.38	High	D	Moderately High	5.5	0.8	5.5	NO
Mount Baker, Mount Baker Senior High School, 300 South	579	48.825	-122.220	W2	1	23,348	1980	0.878	0.383	High	D	Moderately High	5.5	0.8	5.5	NO
Mount Baker, Mount Baker Senior High School, 700 Building	579	48.825	-122.220	W2	1	15,710	1992	0.878	0.383	High	D	Moderately High	3.6	0.8	3.6	NO
Mount Baker, Mount Baker Senior High School, 800 Building (Former Deming Elem.)	579	48.825	-122.220	W2	1	21,425	1970	0.878	0.383	High	D	Moderately High	1.5	0.8	**1.5**	**YES**
Mount Baker, Mount Baker Senior High School, Pro-rate Portion of Commons - Bldg 100	579	48.825	-122.220	W2	1	24,858	1992	0.866	0.369	High	D	Moderately High	4.7	0.8	4.7	NO
North Beach, Pacific Beach Elementary School, Main Building	150	47.208	-124.200	W2	1	7,857	1956	0.895	0.339	High	D	Moderately High	1.5	0.7	**1.5**	**YES**
Ocean Beach, Ilwaco High School, Ilwaco High School	286	46.313	-124.040	W2	1	89,249	1971	0.491	0.202	High	D	Moderately High	0.0	0.7	**0.7**	**YES**
Ocean Beach, Long Beach Elementary School, Main Building	243	46.349	-124.052	W2	2	36,213	1964	0.491	0.202	High	D	Moderately High	0.4	0.7	**0.7**	**YES**
Ocean Beach, Ocean Park Elementary School, Main Building	166	46.488	-124.051	W2	2	35,593	2005	0.491	0.202	High	D	Moderately High	3.2	0.7	3.2	NO
Palisades, Palisades Elementary School, Grange Hall	32	47.416	-119.916	W2	1	3,049	1930	0.967	0.363	High	D	Moderately High	3.2	0.9	3.2	NO
Pasco, Edwin Markham Elementary School, Main Building	371	46.430	-119.198	W2	1	36,500	1962	0.514	0.194	High	D	Moderately High	3.2	0.9	3.2	NO
Pateros, Pateros K-12 School, Wood Shop	138	48.052	-119.906	W2	1	3,420	1995	0.932	0.357	High	D	Moderately High	6.3	0.9	6.3	NO
Port Angeles, Roosevelt Elementary School, Main Building	502	48.103	-123.390	W2	1	23,785	1978	0.932	0.357	High	C	Moderately High	3.2	0.7	3.2	NO
Port Townsend, Port Townsend High School, Stuart Building	366	48.118	-122.768	W2	1	17,912	1952	0.564	0.229	High	D	Moderately High	2.0	0.7	2.0	NO
Puyallup, Puyallup High School, Gymnasium and Swimming Pool Building	1752	47.191	-122.303	W2	2	66,488	1958	0.564	0.229	High	E	Moderately High	-0.1	0.7	**0.7**	**YES**
Puyallup, Puyallup High School, Library Science Building	1752	47.191	-122.303	W2	2	25,262	1962	0.561	0.228	High	E	Moderately High	-0.1	0.7	**0.7**	**YES**
Puyallup, Spinning Elementary School, East, West, Special Education Wings	318	47.189	-122.277	W2	1	23,000 + 4,300	1960	0.567	0.233	High	D	Moderately High	2.0	0.7	2.0	NO
Quilcene, Quilcene High And Elementary School, Elementary	206	47.823	-122.875	W2	1	10,500	1952	0.546	0.25	High	C	Moderately High	2.0	0.7	2.0	NO
Quilcene, Quilcene High And Elementary School, Middle School	206	47.823	-122.875	W2	1	9,438	1964	0.546	0.25	High	C	Moderately High	2.0	0.7	2.0	NO
Raymond, Raymond Junior Senior High School, Main Building	251	46.685	-123.726	W2	2	Unknown	1925	0.546	0.249	High	D	Moderately High	0.4	0.7	**0.7**	**YES**
Ridgefield, Union Ridge Elementary School, Covered Play Area	777	45.817	-122.742	W2	1	2,217	1993	0.903	0.379	High	D	Moderately High	5.1	0.7	5.1	NO
Ridgefield, Union Ridge Elementary School, Main Building	777	45.817	-122.742	W2	1	46,178	1952	0.895	0.336	High	D	Moderately High	1.0	0.7	**1.0**	**YES**
Royal, Red Rock Elementary School, Main Building	596	46.911	-119.624	W2	2	57,631	1992	0.456	0.205	Moderate	C	Moderate	6.3	0.9	6.3	NO
Shaw Island, Shaw Island School, Admin/RR Building	16	48.572	-122.962	W2	1	1,096	1952	0.343	0.122	High	B	Moderate	2.5	0.7	2.5	NO
Shaw Island, Shaw Island School, Intermediate Classroom Building	16	48.572	-122.962	W2	1	1,009	1992	0.343	0.122	High	B	Moderate	5.6	0.7	5.6	NO
Shaw Island, Shaw Island School, Primary Classroom Building	16	48.572	-122.962	W2	1	892	1902	0.343	0.122	High	B	Moderate	2.5	0.7	2.5	NO
South Whidbey, South Whidbey Elementary School, Main Building	510	48.014	-122.411	W2	1	51000	1988	0.31	0.12	High	C	Moderate	4.1	0.7	4.1	NO
Sunnyside, Outlook Elementary School, Outlook Elementary Main Building	646	46.345	-120.097	W2	1	57,084	1932	0.349	0.139	High	D	Moderate	2.0	0.9	2.0	NO
Taholah, Taholah School, Covered Court	187	47.344	-124.288	W2	1	3,600	1991	0.387	0.15	High	D	Moderate	2.7	0.7	2.7	NO
Taholah, Taholah School, Main Building	187	47.344	-124.288	W2	1	68,105	1973	0.495	0.187	High	D	Moderate	0.9	0.7	**0.9**	**YES**
Thorp, Thorp Elementary and Junior Senior High School, Brick Building	158	47.070	-120.676	W2	1	16,303	1935	0.495	0.187	High	C	Moderate	2.3	0.8	2.3	NO
Tumwater, Black Lake Elementary School, Building A	504	46.991	-122.967	W2	1	22,494	1982	0.426	0.17	High	C	Moderate	5.1	0.7	5.1	NO
Tumwater, Black Lake Elementary School, Building B	504	46.991	-122.967	W2	1	21,314	1982	0.426	0.17	High	C	Moderate	4.1	0.7	4.1	NO
Vashon Island, Vashon Island High School, Building K - Annex	596	47.423	-122.457	W2	1	4,677	1963	0.332	0.115	High	C	Moderate	2.0	0.7	2.0	NO
Warden, Warden K-12, Middle School/High School	326	46.961	-119.042	W2	1	50,570	1965	0.391	0.149	Moderate	C	Moderate	3.2	0.9	3.2	NO
Washougal, Hathaway Elementary School, Main Building	422	45.582	-122.346	W2	1	48,901	1935	0.391	0.149	High	C	Moderate	0.4	0.8	**0.8**	**YES**
Wilson Creek, Wilson Creek K-12, Business Building/Home Ec.	92	47.426	-119.121	W2	1	2,272	1984	0.376	0.147	Moderate	C	Moderate	6.3	0.9	6.3	NO
Wilson Creek, Wilson Creek K-12, Vo-Ag / Science Bldg	92	47.426	-119.121	W2	2	7,950	1989	0.376	0.147	Moderate	C	Moderate	6.3	0.9	6.3	NO