



State of Washington
Application for a Water Right Permit

For Ecology Use
(Date Stamp)

SURFACE WATER GROUND WATER
 Permanent Temporary Short Term

Follow the attached instructions. Attach additional sheets as necessary.

A NON-REFUNDABLE MINIMUM FEE OF \$50.00 PAYABLE TO THE DEPARTMENT OF ECOLOGY MUST ACCOMPANY THIS APPLICATION.

Section 1. APPLICANT

Applicant/Business Name: PacifiCorp	Phone No: 801-220-2252	Other No:
Address: 825 NE Multnomah		
City: Portland	State: OR	Zip: 97232
Email Address (optional): Claudia.conder@PacifiCorp.com		

Contact Name (if different from above): Claudia Conder	Phone No: 801-220-2252	Other No:
Relationship to Applicant: Water Rights Administrator		
Address: 1407 W. North Temple #110		
City: Salt Lake City	State: UT	Zip: 84116
Email Address (optional): claudia.conder@PacifiCorp.com		

Section 2. STATEMENT OF INTENT

Briefly describe the purpose of your proposed project: **PacifiCorp owns and operates Swift No. 1 Hydroelectric project on the Lewis River. The current water rights associated with this project are evidenced by power generation certificates recorded in Volume 16, Page 7890, permit no. 10214 with a priority of December 17, 1954 for 2600 cubic feet per second and under certificated permit #S2-24009 for 6800 cubic feet per second with a priority of November 20, 1975. PacifiCorp also holds Permit R-200 for Swift Reservoir, which is part of the certificated right recorded on Page 7890. PacifiCorp desires to increase the instantaneous flow rate of the existing permit by 2100 cubic feet per second to allow for additional instantaneous generation. This increase in instantaneous flow will not increase the total volume of water used under the water rights. See attached detailed explanatory statement.**

Anticipated length of time to complete your project: 3 to 4 years

Water Use List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only)		Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
	<input checked="" type="checkbox"/> Cubic Feet per Second (CFS)	<input type="checkbox"/> Gallons per Minute (GPM)		
Power Generation	2100			Jan 1-Dec 31 continuously
TOTAL:				

Short Term/Temporary Water Use

For Ecology Use	APPLICATION NO: <u>52-30530</u>	SEPA: Exempt/Not Exempt
	Fee Paid: <input checked="" type="checkbox"/> Check No: _____	ECY Coding: 001-001-WR1-0285-000011
Date Returned	Bv	Priority Date <u>12/31/09</u> Bv <u>SC</u> WRIA: <u>27</u>

Is this a request for a short term project (less than four months and non-recurring)? YES NO

Is this request for a temporary permit? YES NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: ___/___/___ TO: ___/___/___

Section 3. POINT OF DIVERSION OR WITHDRAWAL

Complete A or B, and C below

A.) If Surface Water Source	B.) If Ground Water Source
<input type="checkbox"/> Spring <input type="checkbox"/> Creek <input checked="" type="checkbox"/> River <input checked="" type="checkbox"/> Lake <input type="checkbox"/> Other: _____	<input type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____
Source Name: <u>Lewis River/Swift Reservoir</u>	Well diameter & depth: _____
Tributary to: <u>Columbia River</u>	Number of proposed points of withdrawal: _____
Number of proposed diversion points: <u>1(existing)</u>	Do you have an existing well? <input type="checkbox"/> YES <input type="checkbox"/> NO
Do you have an existing diversion? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If available, attach Water Well Report and pump test.
	Well Tag ID No. _____

C.) Point of Diversion/Withdrawal – Legal Description

Parcel No.	¼	¼	Section	Township	Range	County
070528000300 0	SE	NW	28	7 N	5 E	Skamania
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:

400 Feet (North/ South) and 1800 feet (East/ West)

from the (NW SW NE SE West 1/4) corner of Section 28.

Parcel No.	¼	¼	Section	Township	Range	County
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:

_____ feet (North/ South) and _____ feet (East/ West)

from the (NW SW NE SE) corner of Section _____

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

Do you own the land on which the proposed point of diversion/withdrawal is located? YES NO

If no, do you have legal authority to make this application for use of another's land? YES NO

Provide the owner name(s), address, and phone number: PacifiCorp owns a portion of the property occupied by the dam- another portion is owned by Department of Natural Resources-State of Washington- permission granted by means of a perpetual agreement with the state for the Swift project.

Section 4. PLACE OF USE

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

<u>NWSW Lot 4, Sec. 28, T. 7 N., R. 5 E., W.M. in Skamania County – existing Swift powerhouse</u>						
¼	¼	Section	Twp.	Range	County	Parcel No.
					Skamania	070528000200 0

Do you own all the lands on which the proposed place of use is located? YES NO.

If no, do you have legal authority to make this application for use of another's land? YES NO

For Ecology Use	APPLICATION NO: _____	SEPA: Exempt/Not Exempt		
	Fee Paid: _____	Check No: _____ ECY Coding: 001-001-WR1-0285-000011		
Date Returned	Bv	Priority Date	Bv	WRIA:

Provide owner name(s), address, and phone number: Department of Natural Resources- State of Washington - perpetual agreement for Swift project

Are there any other water rights or claims associated with this property or water system? YES NO

If yes, provide the water right and/or claim numbers: Permit #S2-24009C, 10214 and R-200 (reservoir)

Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.

Section 5. WATER SYSTEM DESCRIPTION

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source): PacifiCorp plans to upgrade its existing hydraulic turbine generators at Swift No. 1 powerhouse and associated plant components necessary to support that upgrade. This includes new turbine runners, new or rewound generators, and upgraded electrical system. The major component affecting water passage are new turbine runners designed for "reserve capacity" versus increased "energy production" purposes. This will allow additional water to be passed when the units are dispatched automatically for emergency load control to stabilize the transmission system or to support "firm" commercial loads for the region. See attached explanatory statement.

Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

Complete A or B, and C below

A.) Domestic Water Systems only	B.) Municipal Water Systems only <i>(defined under RCW 90.03.015)</i>
Projected number of connections to be served: _____	Present population to be served water: _____
Type of connections: _____ <i>(e.g., home, recreational cabin)</i>	Estimate future population to be served: _____ (20 year projection)

C.) Water System Planning

Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? YES NO

If yes, date plan was approved ___/___/___ Water System Number: _____

Name of water system: _____

Are you within the service area of an existing water system? YES NO

If yes, explain why you are unable to connect to the system: _____

Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

Irrigation

Total number of acres requested to be irrigated under this application = _____ ACRES

NOTE: Outline the area to be irrigated on your attached map.

Stockwater

List number and kind of stock: _____

Is the proposed project for a dairy farm? YES NO

Other Proposed Farm Uses

Describe all proposed uses: _____

Family Farm Water Act (RCW 90.66):

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres? YES NO

Do you have a controlling interest in a Family Farm Development Permit? YES NO

If yes, enter Permit No: _____

Section 8. OTHER WATER USES

Hydropower

Indicate total feet of head: 390 feet and proposed capacity in kilowatts: 7500 KW (75 MW)- this is ADDITIONAL

Total capacity of Swift No. 1 powerhouse will be 315 MW (240 MW existing)

Describe works: Swift Powerhouse No. 1 is part of the Lewis River Hydroelectric project owned and operated by PacifiCorp. The Swift development consists of an 11.5 mile long reservoir with a 4700 acre surface area and a storage right of 740,000 acre feet. A concrete powerhouse, containing three generating units, with an existing generating capacity of 240 MW is located just downstream of the dam. All flow from the Swift No. 1 powerhouse is released to the Swift No. 2 canal, which extends approximately three miles before terminating at the Swift No. 2 powerhouse which is owned by Cowlitz Public Utility District. There are no changes anticipated or planned to any of the existing works other than the upgrades described in Section 5 above.

Indicate all uses to which power is to be applied: Municipal, industrial, residential

FERC License No: P-2111 New 50 year license issued June 26, 2008

Mining/Industrial Use

Describe use, method of supplying and utilizing water: _____

Other Use

Section 9. WATER STORAGE

Will you be using a dam, dike, or other structure to retain or store water? YES NO

Are you proposing to store more than 10 acre-feet of water? YES NO

Will the water depth be 10 feet or more? YES NO

If you answered yes to any of the above questions, please describe: There will be no new storage capacity sought in conjunction with this application. Existing storage in Swift Reservoir will be utilized for purposes of providing the water source for this increase in use of water being sought by means of this application. No new or greater volume of water is being requested by this application. Except for mandated minimum flow releases, PacifiCorp has rights to the entire flow of the Lewis River at Swift Dam, and is simply requesting to use more water at any given moment without increasing the total volume used.

NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.

Section 10. DRIVING DIRECTIONS

Provide detailed driving directions to the project site:

From I-5, take the Woodland Park exit, travel east on WA-503 approximately 33 miles east to Swift Hydroelectric plant and Swift Reservoir. (will require PacifiCorp escort at facilities)

Site Address: 33 miles east of I-5 on county road WA-503

Section 11. REQUIRED SIGNATURES

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

Claudia Conder
Print Name
(Applicant or authorized representative)

Signature

12/23/2009
Date

Print Name
(Landowner of Place of Use)

Signature

Date

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Print Name
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Explanatory to water right application for Swift No. 1 upgrade

Background:

Swift Powerhouse No. 1 is part of the Lewis River Hydroelectric project owned and operated by PacifiCorp. The Swift development consists of an 11.5 mile long reservoir with a 4700 acre surface area and a storage right of 740,000 acre feet. A concrete powerhouse with an existing generating capacity of 240 megawatts (MW) is located immediately below the dam. All flow from the Swift No. 1 powerhouse is released to the Swift No. 2 canal, which extends approximately three miles before terminating at the Swift No. 2 powerhouse which is owned by Cowlitz Public Utility District.

The current water rights associated with this project are evidenced by power generation certificates recorded in Volume 16, Page 7890, permit no. 10214 with a priority of December 17, 1954 for 2600 cubic feet per second and under certificated permit #S2-24009 for 6800 cubic feet per second with a priority of November 20, 1975. PacifiCorp also holds Permit R-200 for Swift Reservoir, which is part of the certificated right recorded on Page 7890. PacifiCorp desires to increase only the instantaneous flow rate of the existing permit by 2100 cubic feet per second to allow for additional instantaneous generation. PacifiCorp is not seeking an increase in the total volume of water allowed for generation.

Purpose:

The upgrade of the Swift No.1 Hydroelectric Project has been identified by PacifiCorp in its Resource Management Plan (RMP) as an economically beneficial alternative for providing 75 MW of additional hydro-based capacity to support utilization of its current and future generating resources. The Swift No.1 project is an important resource in PacifiCorp's generation portfolio. In addition to generation benefits, Swift No. 1 is utilized on a daily basis to provide a significant portion of the system load control and spinning reserve mandated by the Western Electricity Coordinating Council (WECC) to ensure stable transmission for the Western Transmission Grid. A portion of every utility's generating resources must be utilized or "reserved" to provide spinning reserve capacity and load control as a contingency for correction of transmission instabilities due to sudden and unexpected load changes caused by any number of factors, in addition to loss of a major generating unit synchronized to the Western Transmission Grid. WECC mandates that generators provide a specific percentage of reserve capacity which must be comprised of specific percentages of both hydro-based and thermal-based resources. The specific amount of total reserve capacity required is a function of the total load being served, and PacifiCorp's system loads are increasing in future years, necessitating the need to increase the company's hydro-based reserve capacity.

With the addition of new wind power resources, load control, load following, and spinning reserve capabilities are essential to PacifiCorp in order to maximize the efficient utilization of these variable wind generating assets, and to deliver benefits at the least cost to PacifiCorp customers including those customers in Washington. The expansion of the Swift No.1 project capacity will provide a significant increase to an already key