



**State of Washington**  
**Application for a Water Right Permit**

SURFACE WATER    GROUND WATER  
 Permanent    Temporary    Short Term

**RECEIVED**  
 JUN 05 2009  
 DEPARTMENT OF ECOLOGY  
 EASTERN REGIONAL OFFICE

Follow the attached instructions. Attach additional sheets as necessary.

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

DEPT. OF ECOLOGY  
 FISCAL & BUDGET

**Section 1. APPLICANT**

Applicant/Business Name: <u>Seattle City Light</u>	Phone No: <u>206.684.3705</u>	Other No:
Address: <u>700 Fifth Avenue, Suite 3200</u> <u>P.O. Box 34023</u>		
City: <u>Seattle</u>	State: <u>WA</u>	Zip: <u>98124-4023</u>
Email Address (optional):		

Contact Name (if different from above): <u>Kimberley Pate</u>	Phone No: <u>Same as above</u>	Other No:
Relationship to Applicant: <u>Engineer, Power Supply &amp; Environmental Affairs</u>		
Address: <u>Same as above</u>		
City:	State:	Zip:
Email Address (optional):		

**Section 2. STATEMENT OF INTENT**

Briefly describe the purpose of your proposed project: Seattle City Light's Boundary Hydroelectric Project ("Project") was constructed in 1967, and is currently operated under two diversionary water rights (Qi only) and one reservoir right (Qa only). Seattle City Light requests a new diversionary water right (Qi only) for the Project in order to (1) operate the Project at its full capacity; and (2) minimize the need to spill water over the dam. Spilling water can be associated with elevated levels of TDG. The new water right would be additive to the Project's existing diversionary water rights (S3-13196C and S3-27415C), which were issued based on the initial anticipated (rated) capacity of the Project, rather than its actual installed capacity.

Anticipated length of time to complete your project: No additional time is required - the Project is already complete and operational.

**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) <input checked="" type="checkbox"/> Cubic Feet per Second (CFS) <input type="checkbox"/> Gallons per Minute (GPM)	Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
Non-consumptive hydropower generation	4,400 cfs (measured on an hourly average basis)	NA	Continuously

For Ecology Use	APPLICATION NO: <u>S3-30594</u>	SEPA: Exempt/Not Exempt <input checked="" type="checkbox"/>
	Fee Paid: <u>\$50.00</u> <u>Fee \$25,000.00</u>	Check No: <u>4061554304</u> ECY Coding: 001-001-WR1-0285-000011
Date Returned	<u>6-9-2009</u> By: <u>KAR</u> Priority Date <u>6-3-2009</u> By: <u>KAR</u> WRIA: <u>602</u>	

<b>TOTAL:</b>			
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**Short Term/Temporary Water Use**

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 It is also an application for permanent permit

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

FROM: May/01/2009 TO: Date of permanent permit's issuance

**Section 3. POINT OF DIVERSION OR WITHDRAWAL**

Complete A or B, and C below

<p><b>A.) If Surface Water Source</b></p> <p><input type="checkbox"/> Spring <input type="checkbox"/> Creek <input checked="" type="checkbox"/> River <input type="checkbox"/> Lake  <input type="checkbox"/> Other: _____</p> <p>Source Name: <u>Pend Oreille River</u></p> <p>Tributary to: <u>Columbia River</u></p> <p>Number of proposed diversion points <u>1</u></p> <p>Do you have an existing diversion? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>	<p><b>B.) If Ground Water Source</b></p> <p><input type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____</p> <p>Well diameter &amp; depth: _____</p> <p>Number of proposed points of withdrawal: _____</p> <p>Do you have an existing well? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If available, attach Water Well Report and pump test.</p> <p>Well Tag ID No. _____</p>
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**C.) Point of Diversion/Withdrawal - Legal Description**

Parcel No.	¼	¼	Section	Township	Range	County
434010-460001	NE	NE	10	40 N	43 E	Pend Oreille
Lot(s)	Block(s)		Subdivision			

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

1170 Feet ( North/ South) and 1250 feet ( East/ West)

from the (NW SW NE SE  \_\_\_\_\_ ) corner of Section 10.

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: \_\_\_\_\_

**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.

Same as point of diversion

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

¼	¼	Section	Twp.	Range	County	Parcel No.

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

Provide owner name(s), address, and phone number: \_\_\_\_\_  
 \_\_\_\_\_

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: Seattle City Light holds three surface water rights for power generation at the Boundary Project. They are: S3-27415C (Qi only); S3-13196C (Qi only); and R3-15021C (Qa only). SCL also holds other surface and ground water rights for purposes other than power generation, such as domestic, cooling, irrigation and fire protection. They are: G3/30098/CG3/30098 (domestic and powerhouse cooling); G3-30099 (domestic); G3-30100/CG3-30100 (domestic); S3-30101 (irrigation and fire protection); S3-30102 (irrigation and fire protection); S3-30103 (non-consumptive powerhouse cooling); S3-17825C (domestic and fire protection).

**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): The Project consists of an existing hydroelectric power plant with four 208,000-hp and two 268,000-hp Francis turbines. Water is diverted upstream of the dam at the forebay, passes through the turbines, and is released into the tailrace immediately downstream of the dam.

**Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION**

Complete A or B, and C below

<b>A.) Domestic Water Systems only</b>	<b>B.) Municipal Water Systems only</b> <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)
<b>C.) Water System Planning</b>	
Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? <input type="checkbox"/> YES <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, explain why you are unable to connect to the system: _____	

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**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**

**Hdropower**

Indicate total feet of head: net head of 250 feet and proposed capacity in kilowatts: existing maximum capacity is approximately 1.040 MW

Describe works: Existing hydroelectric power plant with four 208,000-hp and two 268,000-hp Francis turbines.

Indicate all uses to which power is to be applied: The Project provides, and will continue to provide, hydroelectric generation to meet part of Seattle City Light's power requirements and customer needs.

FERC License No: FERC No. 2144

**Mining/Industrial Use**

Describe use, method of supplying and utilizing water: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Other Use**

49208-80

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**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: The Project impounds water under its existing reservoir permit, No. R3-15021C. No change to the impoundment is proposed.

*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.*

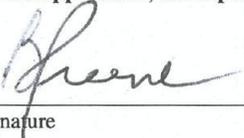
**Section 10. DRIVING DIRECTIONS**

Provide detailed driving directions to the project site: Go north from Metaline on State Highway 31, turn on County Road 62, Boundary Dam Road. Drive for 11.5 miles and turn right on to the Boundary Hydroelectric Project access road.

Site Address: Boundary Hydroelectric Project, 10382 Boundary Road, P.O. Box 219, Metaline Falls, Washington 99153

**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.

Barbara Greene  6-2-09  
Print Name Signature Date  
(Applicant or authorized representative)

\_\_\_\_\_  
Print Name Signature Date  
(Landowner of Place of Use)

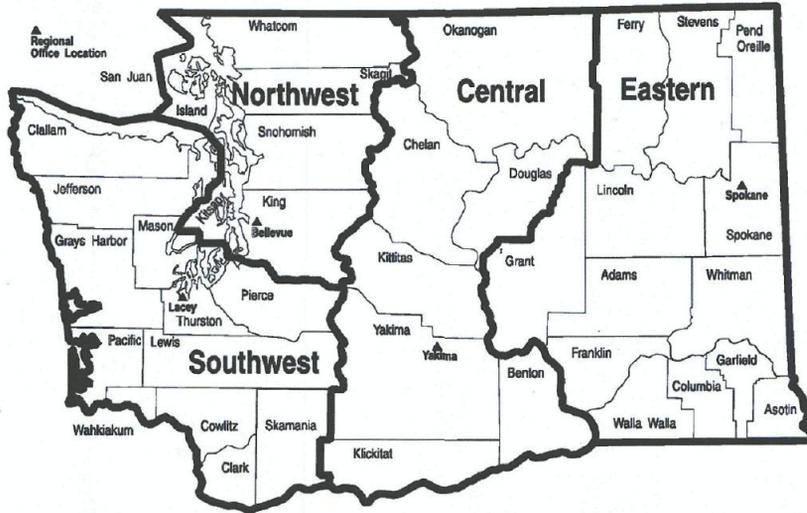
\_\_\_\_\_  
Print Name Signature Date  
(Landowner of Place of Use)

\_\_\_\_\_  
Print Name Signature Date  
(Landowner of Place of Use)

Submit your application to: DEPARTMENT OF ECOLOGY  
CASHIERING SECTION  
PO BOX 47611  
OLYMPIA, WA 98504-7611

Please check the region in which your proposed project is located.  
 Southwest  Northwest  Central  Eastern

Below is a map of the State of Washington, with outlines of the four Ecology regional offices. If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.



- Southwest Regional Office: 360-407-6300
- Northwest Regional Office: 425-649-7000
- Central Regional Office: 509-575-2490
- Eastern Regional Office: 509-329-3400



## State of Washington INSTRUCTIONS for the Application for a Water Right Permit

Please read these instructions carefully. Be accurate and complete in filling out your application, as the information you provide is very important in processing your application. Be sure to attach your fees, maps, and any additional information related to the water uses you are proposing.

If you need assistance, please contact the regional office in which your project will be located. A map of the Ecology regions is on the back page of the application. If your answers to any questions are longer than the space provided, you may attach additional sheets as necessary.

### Check Boxes

Check the appropriate box for Surface or Ground Water.  
Check the appropriate box for Permanent, Temporary, or Short Term use (duration of 4 months or less).

### Application Fee

- A minimum fee of \$50.00 is required for each new application for a water right permit.
- No fees are required for applications to be processed under a Cost Reimbursement contract.
- No fees are required for Emergency Drought Applications (only when a drought is declared).

If additional fees are required, Ecology will send you a letter requesting those fees. If you are unsure of the appropriate fee amount, contact your regional office for more information, or visit our website:  
<[http://www.ecy.wa.gov/programs/wr/rights/wr\\_fees.html](http://www.ecy.wa.gov/programs/wr/rights/wr_fees.html)>.

**Please make checks or money orders payable to the "Department of Ecology." Cash cannot be accepted. ALL FEES ARE NONREFUNDABLE.**

### Section 1. APPLICANT

Enter the name of the person, organization, or water system for which the water right permit is requested. For instance, if the permit is required for a community water system, enter the name of the system (e.g. Green Acres

49208-85