



### 3. WATER USE

**A. Proposed Source and Amount of Water**

Provide the commonly used name of the water body from which water will be diverted, and the name of the stream or lake it flows into. If unnamed, say so. If the source will be a reservoir, list reservoir name and/or permit number:

Provide the amount of water you propose to use from each source, for each use, in cubic feet-per-second (CFS) or gallons per minute (GPM). If the proposed use is from storage, provide the amount in acre-feet (AF):

(1 cubic foot per second = 448.8 gallons per minute    1 acre-foot = 43,560 cubic feet)

Source	Tributary to	Amount (AF, CFS, GPM)

**B. Period of Use**

Indicate the time of year when you propose to use water:

\_\_\_\_\_

**C. Power Development**

The project will utilize \_\_\_\_\_ (number of feet) of gross head to develop \_\_\_\_\_ (number) theoretical horsepower (THP).

*THP is calculated by multiplying the quantity of water to be diverted in cubic feet per second by the vertical head in feet and dividing the product by 8.8). The head is the difference in elevation between the intake of the pipeline and the return discharge to the stream.*

**D. Location**

The point of diversion is located within the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, W.M.,

The power plant is located within the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, W.M., in \_\_\_\_\_ County.

After passing through the power plant, the water utilized will be returned to \_\_\_\_\_ (stream) in the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, W.M.

**E. Project Facilities**

(IF APPLICABLE) The diversion dam will have a height of \_\_\_\_\_ feet, a crest width of \_\_\_\_\_ feet, an upstream slope of \_\_\_\_\_ feet horizontal to one foot vertical, and a downstream slope of \_\_\_\_\_ feet horizontal to one foot vertical.

Describe the type of dam and the material with which it will be constructed:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(IF APPLICABLE) The storage reservoir will be located on \_\_\_\_\_ (body of water), tributary to \_\_\_\_\_ (body of water) in Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, W.M. When full the reservoir will have a surface area of \_\_\_\_\_ acres and a total storage volume of \_\_\_\_\_ acre-feet.

(IF APPLICABLE) The canal will have a length of \_\_\_\_\_ feet, a slope of \_\_\_\_\_ feet horizontal /feet vertical, a base width of \_\_\_\_\_ feet, and a top width of \_\_\_\_\_ feet.

(IF APPLICABLE) The pipeline will have a length of \_\_\_\_\_ feet, a diameter of \_\_\_\_\_ inches, and the difference in elevation between the intake and discharge will be \_\_\_\_\_ feet. The type of pipe used is \_\_\_\_\_

Describe the type of water wheel and generator that will be used: \_\_\_\_\_

#### 4. WATER MANAGEMENT

##### **A. Monitoring**

How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water?

- Weir                       Meter                       Periodic Sampling

Have you planned for a minimum bypass flow?

- Describe

#### 5. RESOURCE PROTECTION

In granting permission to use water from a stream or lake, the state requires, careful control of activities that may affect the waterway or streamside area. Please indicate any of the practices you plan to undertake to protect water resources.

- Diversion will be screened to prevent uptake of fish and other aquatic life.

Describe planned actions:

Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas. Describe planned actions: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Operating equipment in a water body will be managed and timed to prevent damage to aquatic life.

Describe: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Water quality will be protected by preventing erosion and run-off of waste or chemical products.

Describe: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

## 6. FINANCES AND SCHEDULE

The estimated cost of the project is \$\_\_\_\_\_.

The proposed use or market for the power to be developed is: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

The time schedule for completing the project after a water right is issued is \_\_\_\_\_

\_\_\_\_\_.

The estimated life of this project is \_\_\_\_\_ years. Upon a decision to terminate project operations, the project must be decommissioned under applicable Oregon laws. Upon project termination, the proposed method of removal is \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

**7. NEIGHBORS**

The following individuals own property within 300 feet of the proposed powerhouse:  
(include names, physical addresses, and mailing addresses)

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**8. REMARKS**

*If you would like to clarify any information you have provided in the application, please do so here and reference the specific application question you are addressing.*

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**9. MAP REQUIREMENTS**

The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter-quarter section of the proposed diversion location and powerhouse. See the map guidelines sheet for detailed map specifications.

**10. SIGNATURE**

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By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided.
- I cannot legally use water until the Water Resources Department issues a water right to me.
- If I get a water right, I must not waste water.
- If development of the water use is not according to the terms of the water right, the water right can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a water right to me, I may have to stop using water to allow senior water right holders, instream water rights or minimum bypass flows to get water they are entitled to, and

I affirm that all information provided in this application is true and correct to the best of my knowledge.

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Signature of applicant

Date

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Signature of applicant

Date

**11. EXHIBITS**

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The following Exhibits must be included as a part of this application:

- Exhibit A** Narrative Statement describing the proposed project from the point(s) of diversion to the water return area.
- Exhibit B** Project Map (See Guide for Minor Hydroelectric Applications)
- Exhibit C** Tax Assessors map showing all property lines within 300 feet of the proposed powerhouse.
- Exhibit D** Attach land use form. Land use form must be signed by the local planning official, certifying that the use and structures associated with this project are allowed. The land use form is available from the OWRD Salem office or OWRD web site, <http://www1.wrd.state.or.us/pdfs/landuseform.pdf>

## **NARRATIVE STATEMENT:**

Provide a detailed written description of each component of the proposed Project from the point(s) of diversion to the water return area. The reader should be able to draw a basic picture of the Project based on the Narrative Statement. Such features include points of diversion, dams and appurtenant works and structures, storage, diverting or forebay reservoirs connected therewith, conduits or pipes, powerhouses, water wheels, and primary lines transmitting power to the point of junction with a distributing system, or with any interconnected primary system, miscellaneous works and structures used in connection with the Project or any part thereof, rights of way, lands, flowage rights and all other properties, rights and structures necessary or appropriate in the use, operation and maintenance of the Project.

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**Before you submit your application be sure you have:**

- Answered each question completely.
- Attached a legible map which includes township, range, section and quarter-quarter section.
- Attached an assessor's map showing tax lots within 300 feet of powerhouse.
- Included a Land Use Information Form or receipt stub signed by a local official from a city or county planning office.
- Included a check payable to the Water Resources Department for \$500. (If a water right is approved, an additional \$500 is required before the right can be issued.)

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