



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem Oregon 97301-1271
 (503) 986-0900
www.oregon.gov/OWRD

Application to Develop Hydroelectric Use

As part of an existing certificated water right

Definition of an existing certificated water right. As used in ORS 543.765, "water right" means a water use established by an adjudication under ORS chapter 539 as evidenced by a court decree or a certificated ground water or surface water right that is issued for some use other than for hydroelectric power and that serves as the underlying water right for an application to use water for hydroelectric purposes.

Please type or print in dark ink. Prior to submitting an application, the Oregon Water Resources Department (OWRD) recommends applicants consult with the Department's Hydroelectric Staff about the proposed project. If an application is found to be incomplete or inaccurate, it will be returned to the applicant. If any requested information does not apply, please insert "n/a."

1. APPLICANT INFORMATION

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Applicants: Richard Rice, Public Works Director

OWRD

Organization: City of Hood River

Mailing Address: 211 2nd St.

Hood River

Oregon

97031

City

State

Zip

Phone: ---

541-387-5205

541-387-5201

Home

Work

Other

E-mail address: R.Rice@cityofhoodriver.gov

2. CONDUIT CONTROL

If the water to be used for the proposed hydroelectric project is delivered by a public entity other than the applicant you must provide a statement from that public entity that it will be able to deliver water as described in this application. -- **Attach the statement.**

No The City of Hood River (Applicant) owns and operates the water conveyance system.

STOP. A certificate cannot be issued unless the applicant owns or otherwise controls the water conveyance system.

3. WATER USE

A. Proposed Source and Amount of Water

Provide the certificate number or, if no confirming certificate has been issued, the decree reference, of the existing water right associated with this proposed project:

Certificate #14276 and #97147.

Identify the amount of water you propose to use from each source, for each powerhouse, in cubic feet-per-second (CFS).

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

| Source | Tributary to | Amount (AF, CFS, GPM) |
|-----------------------------|---------------------------|-----------------------|
| Stone Springs 1 (14276) | Lake Branch of Hood River | 3.5 CFS (peak) |
| South Stone Springs (97147) | Lake Branch of Hood River | 1.5 CFS (peak) |
| North Stone Springs (97147) | Lake Branch of Hood River | 0.5 CFS (peak) |
| | | |

B. Period of Use

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

C. Power Development

The project will utilize 422* (number of feet) of gross head to develop 211** (Amount) 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.

***The project will divert flow from the existing transmission main just upstream of an existing pressure reducing station (PRS) and return it to the same main downstream of the PRS. Inlet pressure is approximately 300 psi, outlet pressure on the main is maintained at 117 psi. This project will use approximately 422 ft of head (2.3077ft/psi*[300-117 psi]).**

****This is based on the estimated maximum flow rate through the turbine of 4.4 cfs.**

D. Location

Identify the following points on a copy of the final proof map for the certificate.

- 1) The point of diversion is in the : **NW** ¼ of the **SE** ¼ of
 Section **30** ,Township **1N** ,Range **9E** , W.M

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- 2) The power plant is to be located within the **NW** ¼ of the **NW** ¼ of
Section **7** , Township **1N** , Range **10E** , W.M.
- 3) After passing through the power plant, the water will be discharged to:

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The water will discharge back into the transmission main to the City's water distribution system.

4. WATER MANAGEMENT

How will you monitor your diversion to ensure the volume of water use is within the limits of the water right and that no water is being wasted?

- Weir Meter Periodic Sampling

Describe measuring devices and the frequency of recording.

The system will utilize an electromagnetic flow meter installed just upstream of the inline turbine to continuously record flow rates.

5. FEDERAL ENERGY REGULATORY COMMISSION (FERC) JURISDICTION

Provide a copy of your FERC declaration of intent or exemption application:

<https://www.ferc.gov/industries/hydropower/gen-info/licensing/small-low-impact/get-started/exemp-licens.asp> .

If a FERC exemption is not needed, provide a copy of the Lease of Power Privilege if Project is on a U. S. Bureau of Reclamation facility, or similar document if jurisdiction is from any other federal agency.

Note: Oregon Water Resources Department will not issue a certificate for the proposed project until a FERC determination or exemption is issued. If another federal agency has jurisdiction then the appropriate approval document must be submitted before a certificate is issued by OWRD.

6. 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.

Section 3A.

The City's water distribution system is supplied water through three separate water rights, Certificate 97147 (this certificate), Certificate 14276, and Permit S 8387. The sources of these water rights are all in the same general area. Water from each source is collected through underground perforated pipes and directed to a central collection box where the water is then

conveyed through a 14.8-mile long, 24" DI transmission main to the distribution system. An inline turbine is planned to be installed along this transmission line at an existing PRV station. The total certified flow rate is 5.5 cfs, 2.0 cfs under certificate 97147 (this certificate) and 3.5 cfs for certificate 14276.

7. MAP REQUIREMENTS

Attach a copy of the final proof map for this certificate that clearly indicates the township, range, section, and quarter-quarter section of the existing diversion point from the stream and add any proposed diversions from the existing canal or pipeline. Indicate the location of the proposed powerhouse. Also, map existing and proposed canals, pipelines and or penstocks that will be part of the hydroelectric use. See the map guidelines sheet for detailed map specifications. **SEE PAGES 7-9.**

8. SIGNATURE

By my signature below I confirm that I understand and agree:

- I own the land that the point of diversion, conduit and powerhouse will be located or I have a recorded easement or written authorization permitting access.
- I will be billed annually based on the theoretical horsepower produced by the hydroelectric project. Failure to pay this invoice by the prescribed date may result in cancellation of the hydroelectric water right certificate.
- Use of water for hydroelectric purposes will not exceed the rate, duty, season and any other limitations of the existing certificated water right.
- Water may be used for hydroelectric use, only if the same water is being used for its original purpose as described in the attached certificate.
- If development of the hydroelectric use is not according to the terms of the certificate, the certificate may be canceled.
- I have provided all the exhibits identified below.

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



06/16/2023

Signature of applicant

Date

4/2019

Hydroelectric Project /4

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9. EXHIBITS

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

- Exhibit A** Final proof map for attached certificate showing existing point of diversion and proposed additional canals, pipelines, penstocks, and powerhouse. **See the examples provided on pages 8 and 9.**
- Exhibit B** Copy of certificate to which hydroelectric use is to be added.
- Exhibit C** A narrative statement describing the proposed project from the point(s) of diversion to where the water re-enters the stream.
- Exhibit D** Copy of agreement with Oregon Department of Fish and Wildlife describing fish screening, bypass devices, and fish passage measures that may also be described in a FERC exemption order, a U.S. Bureau of Reclamation Lease of Power Privilege, or other federal agency's approval document. Attach a waiver or exemption from fish passage under ORS 509.585, if applicable. Or attach a statement the Applicant will pay annual fees into the Fish Passage Restoration Subaccount at ODFW. **See Page 10.**
- Exhibit E** Evidence of water use for at least one of the past five years for the attached certificate.
- Exhibit F** If the water to be used for the proposed hydroelectric project is delivered by a public entity other than the applicant for a certificate under this section, a statement from that entity that the entity will be able to deliver water as described in the application.
- Exhibit G** 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.
- Exhibit H** Final approval document from applicable federal agency (FERC determination of qualifying conduit facility or exemption order, USBR Lease of Power Purchase, or equivalent).

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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.

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 and labeled exhibits A thru G as appropriate.
 - Included a check payable to the Water Resources Department for \$500.
-

ORS 543.765:

- (5) At a minimum, a certificate issued under this section must contain the following conditions:
- a) Except as provided in paragraph "b)" of this subsection, fish screens, by-pass devices and fish passage as required by the State Department of Fish and Wildlife.
 - b) If the application is for a hydroelectric project that is to be installed in or on a conduit delivery system, the certificate does not need to include a requirement for fish passage at the diversion point for the conduit delivery system if:
 - A) The hydroelectric generating equipment for the project is not located on a dam;
 - B) the hydroelectric generating equipment for the project is installed within or at the end of a conduit delivery system;
 - C) The conduit delivery system is operated for the distribution of water for agricultural, municipal or industrial consumption; and
 - D) Except as provided in subsection (15) of this section, the certificate includes a condition for the making of annual payments under subsection (14) of this section.

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- c) That use of the water be limited to periods when the applicant's existing water right is put to beneficial use without waste and that the amount used is not greater than the quantity of water diverted to satisfy the authorized specific use under the existing water right described in subsection (2)(a) of this section.
- d) That use of water be limited by rate, duty, season and any other limitations of the applicant's existing water right described in subsection (2)(a) of this section.
- e) That the applicant measure and report the quantity of water diverted.
- f) That the restrictions established in ORS 543.660 shall apply as conditions of use to a certificate issued under this section to a district as defined in ORS 543.655.
- g) That a certificate issued under this section shall be invalidated upon a change in the point of diversion of the existing water right described in subsection (2)(a) of this section.
- h) That the right to use water under a certificate issued under this section is invalidated if the federal exemption or authorization related to the certificate is canceled or invalidated.
- i) Any other conditions that the Water Resources Department deems necessary to protect the public interest.

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MAP REQUIREMENTS

In order to properly examine your application, OWRD must have an accurate map showing the location of the water source and the area(s) of use. The maps submitted must meet the following criteria:

- Be of permanent quality and drawn clearly in ink on good quality paper.
- Maps larger than 11x17 inches must be drawn on tracing vellum or Mylar, or four copies must be submitted.
- Be drawn to a standard, even scale of not less than 4 inches = 1 mile. Small area maps may be more easily and clearly drawn to a larger scale, such as 1 inch = 400 feet. The scale must be indicated on the map.

Each copy of the map must clearly show the elements of the project.

- The location of the dam or water diversion. The location should be described by distance from a corner.
- The location of main canals, ditches, pipelines, flumes and powerhouse.
- The section number, township, range, tax lot lines and numbers, nearest quarter-quarter section, and a north directional symbol.

A platted and recorded subdivision map, deed description survey map or county assessor tax lot map may be submitted as the application map if all the required information listed

above is clearly shown on each print.

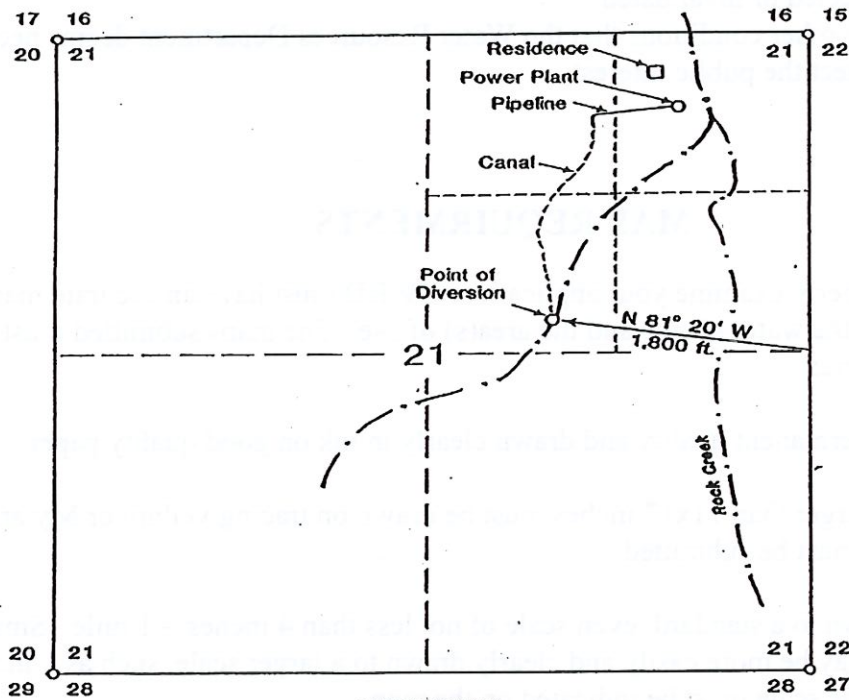
See the examples below.

NOTE: Due to re-sizing, this sample map is not to scale.

EXHIBIT A

MAP TO ACCOMPANY APPLICATION FOR HYDROELECTRIC LICENSE

A.C. Smith
January, 1988



SECTION 21
TOWNSHIP 2 SOUTH, RANGE 2 WEST, W.M.

Scale: 1" = 1,000'

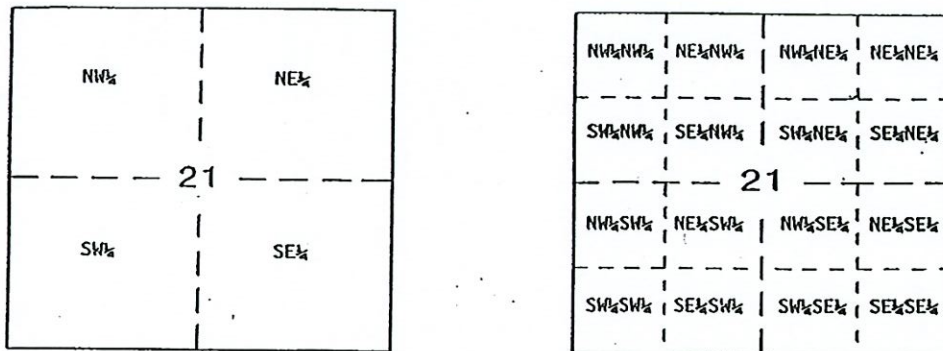


SAMPLE

Land descriptions used to locate various project features are based on Section, Township, and Range. A Township is divided into 36 Sections, as shown below:

| | | | | | | |
|---------------------|--------------|----|----|----|----|----|
| | 6 | 5 | 4 | 3 | 2 | 1 |
| | 7 | 8 | 9 | 10 | 11 | 12 |
| Township 2 South | 18 | 17 | 16 | 15 | 14 | 13 |
| | 19 | 20 | 21 | 22 | 23 | 24 |
| | 30 | 29 | 28 | 27 | 26 | 25 |
| | 31 | 32 | 33 | 34 | 35 | 36 |
| | Range 2 West | | | | | |

When describing a particular location, Sections are further divided into quarter sections (160 acre portions), and sixteenth sections (40 acre portions), as shown below:



For example, the 40 acre portion shown in black on the diagram above right would be described as follows:

"The SW $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 21, Township 2 South, Range 2 West, W.M."

A SAMPLE PROJECT MAP IS SHOWN ON THE REVERSE SIDE OF THIS PAGE

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Exhibit A

Maps

STATE OF OREGON

COUNTY OF HOOD RIVER

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CITY OF HOOD RIVER
211 2ND ST
HOOD RIVER OR 97031

confirms the right to the use of water perfected under the terms of Permit S-15312. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: S-19447

SOURCE OF WATER: STONE SPRINGS, BEING SOUTH STONE SPRING AND NORTH STONE SPRING, A TRIBUTARY OF LAKE BRANCH OF HOOD RIVER

PURPOSE or USE: MUNICIPAL

MAXIMUM RATE: 2.0 CUBIC FEET PER SECOND (CFS) FROM STONE SPRINGS, BEING 1.5 CFS FROM SOUTH STONE SPRING AND 0.5 CFS FROM NORTH STONE SPRING

DATE OF PRIORITY: AUGUST 7, 1941

The points of diversion are located as follows:

| Twp | Rng | Mer | Sec | Q-Q | Measured Distances |
|-----|-----|-----|-----|-------|---|
| 1 N | 9 E | WM | 30 | NW SE | SOUTH STONE SPRING - 321 FEET NORTH AND 286 FEET EAST FROM SE CORNER, LOT 7, SECTION 30 |
| 1 N | 9 E | WM | 30 | NW SE | NORTH STONE SPRING - 321 FEET NORTH AND 286 FEET EAST FROM SE CORNER, LOT 7, SECTION 30 |

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NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

A description of the place of use is as follows:

| Twp | Rng | Mer | Sec | Q-Q |
|-----|------|-----|-----|-------|
| 3 N | 10 E | WM | 25 | NE SW |
| 3 N | 10 E | WM | 25 | NW SW |
| 3 N | 10 E | WM | 25 | SW SW |
| 3 N | 10 E | WM | 25 | SE SW |
| 3 N | 10 E | WM | 25 | SW SE |
| 3 N | 10 E | WM | 25 | SE SE |
| 3 N | 10 E | WM | 26 | NE SE |
| 3 N | 10 E | WM | 26 | NW SE |
| 3 N | 10 E | WM | 26 | SW SE |
| 3 N | 10 E | WM | 26 | SE SE |
| 3 N | 10 E | WM | 35 | NE NE |
| 3 N | 10 E | WM | 35 | NW NE |
| 3 N | 10 E | WM | 35 | SW NE |
| 3 N | 10 E | WM | 35 | SE NE |
| 3 N | 10 E | WM | 35 | NE SE |
| 3 N | 10 E | WM | 35 | NW SE |
| 3 N | 10 E | WM | 36 | NE NE |
| 3 N | 10 E | WM | 36 | NW NE |
| 3 N | 10 E | WM | 36 | SW NE |
| 3 N | 10 E | WM | 36 | NE NW |
| 3 N | 10 E | WM | 36 | NW NW |
| 3 N | 10 E | WM | 36 | SW NW |
| 3 N | 10 E | WM | 36 | SE NW |
| 3 N | 10 E | WM | 36 | NE SW |
| 3 N | 10 E | WM | 36 | NW SW |

The use of water allowed herein is subject to existing rights.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described; however, water may be applied to lands which are not specifically described above, provided the holder of this right complies with ORS 540.510(3).

Issued **MAY 19 2023**



Dwight French
 Water Right Services Division Administrator, for
 Douglas E. Woodcock, Acting Director
 Oregon Water Resources Department

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Exhibit C

Narrative Statement

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Narrative Statement

This project consists of installing an inline turbine generator parallel to an existing pressure reducing station (PRS) along the City of Hood River's potable water transmission main.

The existing water system is supplied by four separate springs: Cold Springs, Stone Springs 1, North Stone Springs, and South Stone Springs. North Stone Springs and South Stone Springs is collectively referred to as Stone Springs 2. Water is collected from each spring through underground perforated pipes and conveyed to three individual spring boxes. Each spring box is associated with a separate water right, Permit S 8387 (Cold Springs), Certificate 97147 (Stone Springs 2), and Certificate 14276 (Stone Springs 1). Water from each spring box is conveyed to a central collection box. Excess water overflows from each spring box and the central collection box to either Laurel Creek or the Lake Branch of the Hood River. There is a meter just before and another meter immediately after the central collection box that measures total flow from all springs coming into the box and system flows out of the box. Stone Spring 1 spring box outlets at the highest elevation followed by Stone Springs 2.

Water is conveyed from the central collection box approximately 4.3 miles through a buried 24" ductile iron (DI) pipe to a chlorination station. Chlorine is added to the water and continues approximately 3.6 miles to the Dee Bridge PRS. The pressure in the main is reduced through the PRS from approximately 300 psi to 117 psi (change in head of 422 ft). The water continues approximately 6.9 miles through a buried 24" DI pipe to the City's 5 MG reservoir. Water is then distributed to the City through approximately 53 miles of waterline (data from the 2013 Water Master Plan). Pressure throughout the distribution system is regulated through several PRSs.

The proposed inline turbine will be installed in parallel with the Dee Bridge PRS. A new 12" DI pipe will tee off the mainline approximately 45' upstream of the existing PRS. This 12" line will run north across Punchbowl Rd. then east approximately 80' along the edge of road to an existing gravel road. The 12" line will continue north approximately 100' to the new 300 sf hydropower building housing a single Canyon Hydro ILT08 100 kw inline turbine. An electromagnetic flow meter will also be installed in the hydropower building just upstream of the turbine to continuously record flows through the turbine. A 12" DI pipe will exit the building where it will parallel the inlet line and tee back into the 24" transmission line approximately 10 ft downstream of the existing PRS. All new facilities will be placed within the Punchbowl Rd. right-of-way or an easement on tax lot #01N10E0700500.

The turbine is designed to operate at flows between 600 gpm and 1,950 gpm. Controls will be provided so the turbine will work in parallel with the existing PRS. when the City demand exceeds the turbine's capacity the excess flow will be diverted through the existing PRS. Likewise, when the City demand is less than the turbine's capacity, the turbine will be shut down and the flows will pass through the PRS only.

The turbine will generate at 480V and ultimately be routed through the existing step-up transformer (480V to 12.47 kV) to the Pacific Power distribution circuit feeding the plant. The project will back feed to the existing grounding bank.

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Exhibit D

Oregon Department of Fish and Wildlife Agreement

--Not Applicable--

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Exhibit E

Water Use Records

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Facility Water Use Report



CENTRAL COLLECTION BOX

Report ID 11580

SOUTH STONE SPRING;
321 FEET NORTH AND 286 FEET EAST FROM SE CORNER, LOT 7, SECTION 30
(1N-9E-30-NW SE)

[Cert:14276 OR *](#)

[Permit: S 8387 *](#)

[Cert:97147 OR *](#)

[CITY OF HOOD RIVER](#)

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Records per page: 30

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Acre-feet (AF) of Water Used

| Water Year* | Method of Measurement | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total Water Used | Irrigated Acres |
|-------------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------------|-----------------|
| 2022 | OTH | 145.72 | 91.40 | 78.75 | 84.47 | 86.74 | 82.48 | 77.64 | 80.22 | 115.84 | 183.32 | 231.97 | 210.08 | 1468.63 | |
| 2021 | OTH | 136.46 | 77.93 | 71.44 | 79.57 | 86.03 | 86.19 | 71.99 | 152.54 | 182.57 | 242.90 | 230.85 | 194.95 | 1613.41 | |
| 2020 | OTH | 112.37 | 91.57 | 80.32 | 82.66 | 80.21 | 69.27 | 97.96 | 98.91 | 134.87 | 243.20 | 201.87 | 244.14 | 1537.34 | |
| 2019 | OTH | 133.20 | 91.15 | 71.60 | 96.60 | 73.41 | 71.12 | 94.98 | 128.83 | 176.24 | 198.47 | 236.26 | 181.20 | 1553.05 | |
| 2018 | OTH | 131.90 | 74.38 | 70.55 | 72.18 | 87.27 | 72.91 | 75.24 | 151.44 | 196.87 | 204.58 | 267.20 | 187.38 | 1591.90 | |
| 2017 | OTH | 112.94 | 145.52 | 48.61 | 88.97 | 76.61 | 86.14 | 76.41 | 89.56 | 176.49 | 212.21 | 251.68 | 188.92 | 1554.06 | |
| 2016 | OTH | 112.94 | 145.52 | 48.61 | 139.18 | 82.22 | 81.82 | 91.22 | 134.97 | 199.30 | 184.23 | 274.33 | 171.12 | 1665.46 | |
| 2015 | OTH | 197.36 | 108.17 | 68.32 | 89.38 | 77.07 | 102.99 | 102.39 | 127.94 | 151.07 | 270.69 | 258.13 | 238.18 | 1791.68 | |
| 2014 | OTH | 130.31 | 141.57 | 75.49 | 78.56 | 92.59 | 71.91 | 76.83 | 91.37 | 170.32 | 200.84 | 213.65 | 475.56 | 1819.01 | |
| 2013 | | 131.66 | 124.19 | 80.76 | 357.96 | 174.62 | 67.43 | 74.53 | 138.98 | 155.76 | 181.18 | 269.16 | 213.26 | 1969.49 | |
| 2012 | | 136.85 | 83.94 | 239.54 | 80.14 | 92.32 | 93.05 | 173.88 | 125.98 | 152.69 | 200.30 | 242.33 | 208.69 | 1829.71 | |
| 2011 | | 195.75 | 94.85 | 119.49 | 156.07 | 78.68 | 91.95 | 104.03 | 83.67 | 138.83 | 259.04 | 220.94 | 264.69 | 1807.99 | |
| 2008 | | 116.26 | 98.39 | 83.03 | 84.27 | 85.27 | 88.90 | 133.31 | 116.30 | 149.57 | 199.48 | 230.17 | 214.82 | 1599.75 | |
| 2007 | | 181.19 | 127.11 | 119.97 | 94.71 | 93.31 | 102.90 | 82.92 | 128.03 | 210.29 | 231.63 | 229.68 | 216.79 | 1818.54 | |
| 2006 | | 101.25 | 76.37 | 61.71 | 77.76 | 46.87 | 44.45 | 47.26 | 58.97 | 70.54 | 118.65 | 143.58 | 134.88 | 982.30 | |
| 2005 | | 95.89 | 50.20 | 30.84 | 32.18 | 28.94 | 43.27 | 50.19 | 65.45 | 69.79 | 111.39 | 139.18 | 102.65 | 819.97 | |
| 2004 | | 102.74 | 66.52 | 47.75 | 66.35 | 53.44 | 39.34 | 44.23 | 58.32 | 64.53 | 108.96 | 137.72 | 112.21 | 902.10 | |
| 2003 | | 99.31 | 77.19 | 64.66 | 57.73 | 39.64 | 53.10 | 46.21 | 55.73 | 66.03 | 114.96 | 137.72 | 127.72 | 940.00 | |
| 2002 | | 83.08 | 89.57 | 95.53 | 56.11 | 40.28 | 39.61 | 43.86 | 53.85 | 65.29 | 131.65 | 143.84 | 157.09 | 999.74 | |
| 2001 | | 82.12 | 76.46 | 69.07 | 54.18 | 52.42 | 37.26 | 51.40 | 67.00 | 79.39 | 152.44 | 168.32 | 148.28 | 1038.34 | |
| 2000 | | 77.61 | 89.20 | 101.45 | 104.62 | 90.50 | 54.39 | 65.92 | 85.34 | 99.94 | 182.26 | 205.72 | 178.29 | 1335.25 | |
| 1999 | | 97.47 | 85.80 | 92.10 | 102.13 | 85.78 | 83.08 | 88.90 | 91.72 | 100.87 | 177.29 | 173.93 | 165.93 | 1345.01 | |
| 1998 | | 99.83 | 82.93 | 92.81 | 103.77 | 82.46 | 99.19 | 89.44 | 133.64 | 139.52 | 252.73 | 230.10 | 204.75 | 1611.17 | |
| 1997 | | 446.77 | 429.65 | 498.91 | 498.91 | 498.91 | 498.91 | 461.84 | 572.72 | 410.74 | 541.51 | 510.91 | 459.05 | 5828.82 | |
| 1996 | | 466.41 | 427.53 | 573.88 | 425.63 | 475.68 | 476.81 | 488.29 | 555.56 | 446.92 | 476.26 | 459.32 | 510.91 | 5783.21 | |
| 1995 | | 486.51 | 437.16 | 482.77 | 512.38 | 466.23 | 544.30 | 451.31 | 443.06 | 560.69 | 448.80 | 450.36 | 555.72 | 5839.28 | |
| 1993 | | 405.40 | 27.83 | 423.33 | 423.33 | 481.36 | 484.46 | 521.65 | 470.00 | 502.99 | 454.72 | 457.36 | 519.69 | 5172.12 | |
| 1992 | | 421.54 | 421.54 | 396.22 | 396.22 | 396.22 | 432.05 | 432.05 | 432.05 | 412.21 | 412.21 | 412.21 | 438.44 | 5002.97 | |
| 1990 | | 405.13 | 421.88 | 418.38 | 438.21 | 370.05 | 404.48 | 404.14 | 417.83 | 406.02 | 408.59 | 451.34 | 393.31 | 4939.36 | |
| 1989 | | 373.38 | 373.38 | 373.38 | 373.38 | 373.38 | 373.38 | 373.38 | 373.38 | 373.38 | 373.38 | 373.38 | 373.38 | 4480.59 | |

*The water year is named for the calendar year in which it ends. Example: the 2014 water year begins Oct. 1, 2013 and ends Sep. 30, 2014.

Method(s) of Measurement:

OTH Adding up all the water meter readings (2022)

- Monthly amounts indicate:
 - For diverted rights, the total amount diverted during the month;
 - For storage rights, the amount generally stored in the reservoir/pond during the month, as represented by the volume of water impounded on approximately the same day each month.
- Water Use amounts have all been converted to "acre-feet" (AF), regardless of the original measurement unit reported. One AF is the volume of water that will cover an acre of ground one foot deep = 325,850 gallons.
- Zeroes indicate that a report was received, stating that no water was used during those months; if a year is not listed, no report of water use was received for that year.

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Exhibit F

Public Entity Statement

--Not Applicable--

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Exhibit G

Land Use Form

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Land Use Information Form

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD



NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, and/or used only on federal lands; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply:
 - a) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b) The application involves a change in place of use only;
 - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; and
 - d) The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

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Land Use Information Form

Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900
 www.oregon.gov/OWRD



Applicant(s): City of Hood River

Mailing Address: 211 2nd St.

City: Hood River

State: Oregon Zip Code: 97031

Daytime Phone: 541-387-5207

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

| Township | Range | Section | ¼ ¼ | Tax Lot # | Plan Designation (e.g., Rural Residential/RR-5) | Water to be: | | | Proposed Land Use: |
|-----------|------------|-----------|-------------|---------------------------|---|--|-----------------------------------|--|--------------------|
| <u>1N</u> | <u>9E</u> | <u>30</u> | <u>NWSE</u> | <u>01N09E3 000200</u> | <u>Primary Forest/F-2</u> | <input checked="" type="checkbox"/> Diverted | <input type="checkbox"/> Conveyed | <input type="checkbox"/> Used | <u>NC</u> |
| <u>1N</u> | <u>10E</u> | <u>7</u> | <u>NWNW</u> | <u>01N10E0 700500</u> | <u>Industrial/M-1</u> | <input type="checkbox"/> Diverted | <input type="checkbox"/> Conveyed | <input checked="" type="checkbox"/> Used | <u>NC</u> |
| _____ | _____ | _____ | _____ | _____ | _____ | <input type="checkbox"/> Diverted | <input type="checkbox"/> Conveyed | <input type="checkbox"/> Used | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | <input type="checkbox"/> Diverted | <input type="checkbox"/> Conveyed | <input type="checkbox"/> Used | _____ |

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

Hood River County

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B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- Permit to Use or Store Water Water Right Transfer Permit Amendment or Ground Water Registration Modification
 Limited Water Use License Allocation of Conserved Water Exchange of Water

Source of water: Reservoir/Pond Ground Water Surface Water (name) _____

Estimated quantity of water needed: 4.4 cubic feet per second gallons per minute acre-feet

Intended use of water: Irrigation Commercial Industrial Domestic for _____ household(s)
 Municipal Quasi-Municipal Instream Other Inline Hydropower

Briefly describe:

A 100 kw inline turbine generator is planned to be installed along the City's existing transmission main in parallel with an existing pressure reducing station near the Dee bridge.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s):
- Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

| Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.) | Cite Most Significant, Applicable Plan Policies & Ordinance Section References | Land-Use Approval: | |
|---|--|--|---|
| Industrial Land Use Permit | HRCZO Article 31 Industrial (M1) | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input checked="" type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | RECEIVED | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | JUN 26 2023 | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | OWRD | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

Staff has been working with applicant to get an Industrial Land Use Permit submitted for this project & does not see any major issues with the project as proposed.

Name: Nick Kraemer Title: Principal Planner
 Signature: [Signature] Phone: 541-387-6875 Date: 6/6/23
 Government Entity: Hood River County Planning

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.



Receipt for Request for Land Use Information

Applicant name: _____
 City or County: _____ Staff contact: _____
 Signature: _____ Phone: _____ Date: _____

Exhibit H

FERC Determination

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FEDERAL ENERGY REGULATORY COMMISSION
Washington, D.C. 20426

OFFICE OF ENERGY PROJECTS

Docket No. CD22-6-000 – Oregon
Dee Bridge Hydroelectric Station Project
City of Hood River, Oregon

VIA FERC Service

June 10, 2022

Mr. Andrew Benjamin
NLine Energy, Inc.
403 Portway Avenue, Suite 300
Hood River, OR 97031

Subject: Notification that the Dee Bridge Hydroelectric Station Project Meets the
Qualifying Conduit Hydropower Facility Criteria

Dear Mr. Benjamin:

On May 5, 2022, the City of Hood River, Oregon, filed a notice of intent pursuant to section 30(a) of the Federal Power Act (FPA), 16 U.S.C. § 823a, to construct a qualifying conduit hydropower facility, the Dee Bridge Hydroelectric Station Project, that would be located along an existing 24-inch pipeline at the applicant's Dee Bridge Pressure Reducing Station in Dee, Hood River County, Oregon.

On May 6, 2022, Commission staff issued a public notice that preliminarily determined the project met the statutory criteria for a qualifying conduit hydropower facility, and thus was not required to be licensed under Part I of the FPA. The notice established a 30-day period for entities to contest whether the project met the criteria.¹ No interventions or comments were filed. Accordingly, by operation of FPA section 30(a), the Dee Bridge Hydroelectric Station Project, as described in the May 5, 2022 notice of intent, is deemed to meet the qualifying conduit hydropower facility criteria, and is not required to be licensed under Part I of the FPA. Qualifying conduit hydropower facilities remain subject to other applicable federal, state, and local laws and regulations.

¹ The Commission's Rules of Practice and Procedure provide that if a filing deadline falls on a Saturday, Sunday, holiday, or other day when the Commission is closed for business, the filing deadline does not end until the close of business on the next business day. 18 C.F.R. § 385.2007(a)(2) (2021). Because the filing deadline fell on Sunday, June 5, 2022, the filing deadline was extended until the close of business on Monday, June 6, 2022.

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Docket No. CD22-6-000

If you have any questions, please contact Christopher Chaney at (202) 502-6778 or Christopher.Chaney@ferc.gov.

Sincerely,



Kelly Houff
Chief, Engineering Resources Branch
Division of Hydropower Administration
and Compliance

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