

Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1271 (503) 986-0900 www.wrd.state.or.us

# **Application to Develop** Hydroelectric Use As part of an existing certificated water

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."

/ECE/	1. A	PPLICANT INFORMATION	
			RECEIVED
			DEC 1 0 2021
Applican	ts: Attn: Sheila Sahu		DEC. 1 0 2021
	First	Last	OWRD
Organiza	tion: <u>City of Beaverton</u>		
	ent of gross head in descrip-	of to run num) 001	The project will utilize
Mailing A	Address: <u>12725 SW Millika</u>	n Way, Beaverton, OR 97005	
sydda.		State	Auto Zip
Phone:	1111971: 311	971-288-8960	ocurees the intoke of the
	Home	Work	Other
*Fax:		*E-mail address: ssahu@beave	ertonoregon.gov
*Optional	Information		idenaty de inflowing poi
	2.	CONDUIT CONTROL	
	public entity other than the entity that it will be able to	d for the proposed hydroelectric project applicant you must provide a state of deliver water as described in this a state of Beaverton is the applicant ar	ment from that public pplication Attach the
	□ No		
	☐ STOP. A certific controls the water conve	cate cannot be issued unless the appleyance system.	icant owns or otherwise

Hydroelectric Project /1

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:

Water right certificate 85914.

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

Source	Amount (AF, CFS, GPM)
Tualatin River	Up to 11.1 cfs (5,000 gpm)
	RECEN
1:330	DEC 1-0
	OWR
C. Power Development	
Γhe project will utilize <u>100</u> 126.1 (Amou	(number of feet) of gross head to develop nt) theoretical horsepower (THP).
	g the product by 8.8). The head is the difference in elevation
эмиО	nd the return discharge to the stream.
between the intake of the pipeline a	nd the return discharge to the stream.
D. Location	opy of the final proof map for the certificate.
<ul><li>D. Location</li><li>dentify the following points on a contract of diversion.</li></ul>	Fax. "L-mail address: ssain
D. Location  Identify the following points on a control of diversion.  Township 1 South  2) The power plant is to	opy of the final proof map for the certificate. is in the:SW_1/4 of theSW_1/4 of Section8_,
D. Location  dentify the following points on a control of diversion.  Township1 South  2) The power plant is to Section22, Town	opy of the final proof map for the certificate.  is in the:SW1/4 of theSW1/4 of Section8_,, Range3 West, W.M.  be located within the _NE1/4 of theSE1/4 of theSE1/4 of theSHIP, W.M.  the power plant, the water will be discharged to:
<ul> <li>D. Location</li> <li>dentify the following points on a control of diversion.</li> <li>Township 1 South</li> <li>The power plant is to Section 22 , Town</li> <li>3) After passing through</li> </ul>	opy of the final proof map for the certificate.  is in the:SW1/4 of theSW1/4 of Section8_,, Range3 West, W.M.  be located within the _NE1/4 of theSE1/4 of theSE1/4 of theSHIP, W.M.  the power plant, the water will be discharged to:
<ol> <li>Location</li> <li>dentify the following points on a control of diversion.</li> <li>Township 1 South</li> <li>The power plant is to Section 22 , Town</li> <li>After passing through the City's distribution is</li> </ol>	opy of the final proof map for the certificate.  is in the:SW1/4 of theSW1/4 of Section8_,, Range3 West, W.M.  be located within the _NE1/4 of theSE1/4 of theSE1/4 of theSHIP, W.M.  the power plant, the water will be discharged to:
D. Location  dentify the following points on a constant of diversion.  Township 1 South  2) The power plant is to Section 22, Town  3) After passing through	opy of the final proof map for the certificate.  is in the:SW1/4 of theSW1/4 of Section8_,, Range3 West, W.M.  be located within the _NE1/4 of theSE1/4 of theSE1/4 of theSHIP, W.M.  the power plant, the water will be discharged to:

☐ Periodic Sampling

X Meter

□ Weir

Describe measuring devices and the frequency of recording. The City will monitor its use of water for hydroelectric purposes using a flow meter on the pipe leading to the powerhouse. The meter will be connected to the City's SCADA system and will be continuously monitored.

# 5. FEDERAL ENERGY REGULATORY COMMISSION (FERC) JURISDICTION

Provide a copy of your FERC declaration of intent or exemption application: <a href="http://www.ferc.gov/industries/hydropower/gen-info/comp-admin/jur-deter.asp">http://www.ferc.gov/industries/hydropower/gen-info/comp-admin/jur-deter.asp</a>.

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.

The City's use of up to 11.1 cfs for hydroelectric use, associated with its municipal use, will be limited to the authorized period of use for Certificate 85914 (September 15 through July 31 of each year). However, the City anticipates that the use of water for hydroelectric use will typically be further limited to the period of November 1 through May 31, based on regulation of Certificate 85914 by relative priority date. The City is evaluating the opportunity to generate hydroelectricity outside of this period of use, and a second application for hydroelectric use will be filed if the City decides to move forward with year-round hydroelectric generation.

#### 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.** 

See Exhibits A-1, A-2 and A-3

Hydroelectric Project /3

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8. SIGNATURE

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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.

Shilasal

12/06/2021

Signature of applicant

Date

**END OF APPLICATION** 

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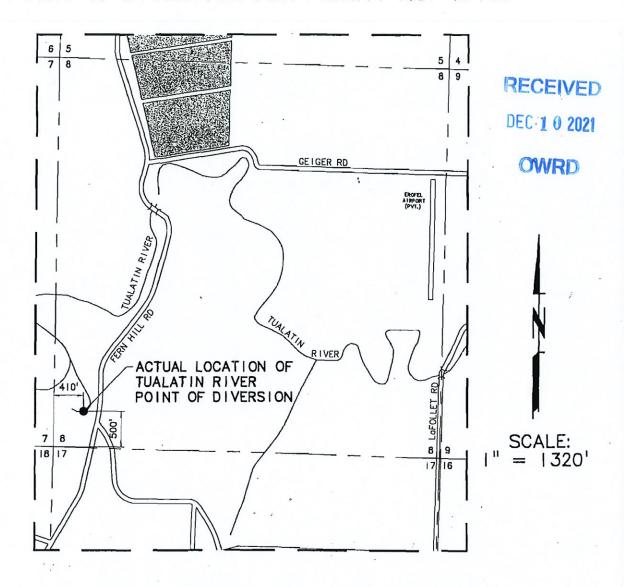
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Hydroelectric Project /4

Exhibit A-1 Map of Point of Diversion

Application to Develop Hydroelectric Use as part of Existing Certificate – City of Beaverton

#### POINT OF DIVERSION FOR PERMIT NO. 45455



FINAL PROOF SURVEY FOR PERFECTION OF APPLICATION NO. 60357, PERMIT NO. 45455

IN THE NAME OF

THE CITY OF BEAVERTON WASHINGTON COUNTY

MAY 2002

PM PDT

04:23:19

05/03/2002

G:\01\0509\105\WR PERMITS.dwg

NOTE: This map is for the purpose of identifying the location of the water right only and is not intended to provide legal dimensions or locations of property lines.

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Exhibit A-2

Map of Pipelines

Application to Develop Hydroelectric Use as part of Existing Certificate –

City of Beaverton



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**TRANSMITTAL** 

To:

Mary Grainey, OWRD

Address:

725 Summer St NE, Suite A

Salem, OR 97301-1266

From:

Ronan Igloria, GSI Water Solutions, Inc.

CC:

Sheila Sahu, City of Beaverton

**Attachments:** 

See below

Date:

December 7, 2021

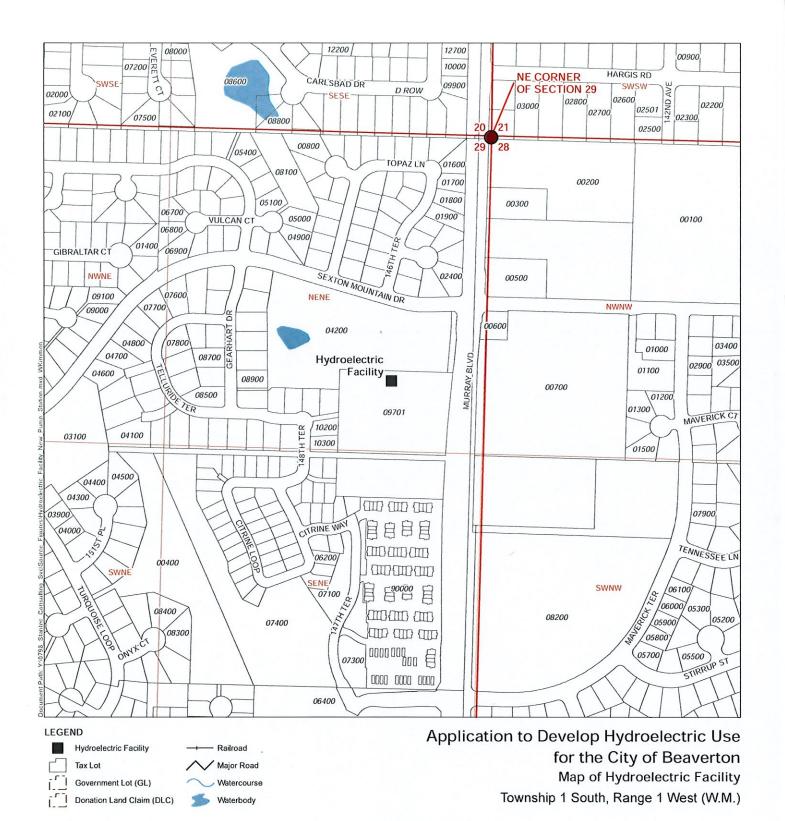
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Date	Number of Copies	Description
12/7/2021	1	City of Beaverton Application to Develop Hydroelectric Use
12/7/2021	1	City of Beaverton check for \$500

# Exhibit A-3 Map of Hydroelectric Facility Application to Develop Hydroelectric Use as part of Existing Certificate – City of Beaverton



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#### DISCLAIMER

This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

Date: July 14, 2021 Data Sources: BLM, ESRI, OWRD, USGS

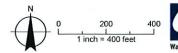


Exhibit B Water Right Certificate 85914

Application to Develop Hydroelectric Use as part of Existing Certificate – City of Beaverton

#### STATE OF OREGON

#### COUNTY OF WASHINGTON

CERTIFICATE OF WATER RIGHT

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THIS CERTIFICATE ISSUED TO

CITY OF BEAVERTON 4755 SW GRIFFITH DR PO BOX 4755 BEAVERTON OR 97076 OWRD

confirms the right to use the waters of TUALATIN RIVER, a tributary of the Willamette River, for MUNICIPAL USE.

This right was perfected under Permit 45455. The date of priority is JULY 15, 1980. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 25.0 CUBIC FEET PER SECOND or its equivalent in case of rotation; measured at the point of diversion.

The diversion of water shall be made only during the period September 15 to July 31 of each year.

The point of diversion is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
1 S	3 W	WM	8	SW SW	500 FEET NORTH & 410 FEET EAST FROM SW CORNER, SECTION 8

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.

A description of the place of use to which this right is appurtenant is as follows:

Twp	Rng	Mer	Sec	Q-Q
1 S	1 W	WM	5	SW SE
18	1 W	WM	5	SE SE
1 S	1 W	WM	8	NE NE
1 S	1 W	WM	8	NW NE
1 S	1 W	WM	8	SW NE
1 S	1 W	WM	8	SE NE
1 S	1 W	WM	8	NE NW
1 S	1 W	WM	8	SE NW
18	1 W	WM	8	NE SW
1 S	1 W	WM '	8	SE SW
18	1 W	WM	8	NE SE

#### 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. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may either petition for judicial review or 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 at any time before it has issued, and after the time has expired for the completion of the appropriation under the permit, or within three months after issuance of the certificate.

Twp	Rng	Mer	Sec	Q-Q
1 S	1 W	WM	8	NW SE
1 S	1 W	WM	8	SW SE
1 S	1 W	WM	8	SE SE
1 S	1 W	WM	9	NE NE
1 S	1 W	WM	.9	SW NE
1 S	1 W	WM	9	SE NE
1 S	1 W	WM	9	SW SW
1 S	1 W	WM	9	SE SW
1 S	1 W	WM	9	NE SE
1 S	1 W	WM	9	NW SE
18	1 W	WM	9	SW SE
1 S	1 W	WM	9	SE SE
1 S	1 W	WM	10	NW NW
1 S	1 W	WM	10	SWNW
18	1 W	WM	10	NESW
1 S	1 W	WM	10	NW SW
18	1 W	WM	10	SWSW
18	1 W	WM	10	SE SW
18	1 W	WM	10	NW SE
1 S	1 W	WM	14	SW NE
1 S	1 W	WM	14	NE NW
1 S	1 W	WM	14	SWNW
1 S	1 W	WM.	14	SE NW
1 S	1 W	WM	14	NESW
1 S	1 W	WM	14	NW SW
1 S	1 W	WM	14	SWSW
18	1 W	WM	14	SE SW
1 S	1 W	WM	14	NW SE
1 S	1 W	WM	14	SW SE
1 S	1 W	WM	15	NW NE
1 S	1 W	WM	15	SW NE
1 S	1 W	WM	15	SE NE
18	1 W	WM	15	NE NW
18	1 W	WM	15	NW NW
1 S	1 W	WM	15	SWNW
1 S	1 W	WM	15	SE NW
18	1 W	WM	15	NESW
18	1 W	WM	15	NW SW
1 S	1 W.	WM	15	SWSW

Twp	Rng	Mer	Sec	Q-Q
1 S	1 W	WM	15	SE SW
1 S	1 W	WM	15	NE SE
18	1 W	WM	15	NW SE
18	1 W	WM	15	SW SE
1 S	1 W	WM	15	SE SE
1 S	1 W	WM	16	NE NE
1 S	1 W	WM	16	NW NE
1 S	1 W	WM	16	SW NE
1 S	1 W	WM	16	SE NE
18	1 W	WM	16	NE NW
1 S	1 W	WM	16	NW NW
18	IW	WM	16	SWNW
1 S	1 W	WM	16	SENW
1 S	1 W	WM	16	NE SW
1 S	1 W	WM	16	NW SW
1 S	1 W	WM	16	SW SW
1 S	1 W	WM	16	SESW
18	1 W	WM	16	NE SE
1 S	1 W	WM	16	NW SE
1 S	1 W	WM	16	SW SE
1 S	1 W	WM	16	SE SE
1 S	1W	WM	17	NE NE
1 S	1W	WM	17	NW NE
1 S	1W	WM	17	SE NE
1 S	1W	WM	17	NE NW
1 S	1W .	WM	17	NE SE
1 S	1W	WM	17	SW SE
1 S	1W	WM	17	SE SE
1 S	1W	WM	20	NE NE
1 S	1W	WM	20	SW NE
1 S	1W	WM	20	SE NE
IS	1W	WM	20	NE SE
IS	IW	WM	20	SW SE
IS	1W	WM	20	SE SE
S	1 W	WM	21	NE NE
S	1 W	WM	21	NW NE
S	1 W	WM	21	SW NE
S	1 W	WM	21	SE NE
S	1 W	WM	21	NE NW
S	1 W	WM	21	NW NW
S	1 W	WM	21	SW NW
S	1 W	WM	21	SE NW
S	1 W	WM	21	NE SW
S	1 W	WM	21	NW SW
S	1 W	WM	21	SW SW
S	1 W	WM	21	SE SW
S	1 W	WM	21	NE SE

Twp	Rng	Mer	Sec	Q-Q
1 S	1 W	WM	21	NW SE
t s	1 W	WM	21	SW SE
18	1 W	WM	21	SE SE
1 S	1 W	WM	22	NE NE
18	1 W	WM	22	NW NE
1 S	1 W	WM	22	SW NE
1 S	1 W	WM	22	SE NE
1 S	1 W	WM	22	NE NW
1 S	1 W	WM	22	NW NW
18	1 W	WM	22	SWNW
1 S	1 W	WM	22	SENW
18	1 W	WM	22	NESW
1 S	1 W	WM	22	NW SW
1 S	1 W	WM	22	SW SW
1 S	1 W	WM	22	SE SW
1 S	1 W	WM	22	NE SE
1 S	1 W	WM	22	NW SE
1 S	1 W	WM	22	SW SE
1 S	1 W	WM	22	SE SE
1 S	1 W	WM	23	NW NE
1 S	1 W	WM	23	SW NE
1 S	1 W	WM	23	NE NW
1 S	1 W	WM	23	NW NW
1 S	1 W	WM	23	SWNW
18	1 W	WM	23	SE NW
1 S	1 W	WM	23	NW SW
18	1 W	WM	27	NE NE
1 S	1 W	WM	27	NW NE
18	1 W	WM	27	SW NE
18	1 W	WM	27	SE NE
1 S	1 W	WM	27	NE NW
1 S	1 W	WM	27	NW NW
18	1 W	WM	27	SWNW
18	1 W	WM	27	SE NW
18	1 W	WM	27	NESW
1 S	1 W	WM	27	NW SW
1 S	1 W	WM	27	SWSW
1 S	1 W	WM	27	SE SW
18	1 W	WM	27	NE SE
1 S	1 W	WM	27	NW SE
1 S	1 W	WM	27	SW SE
18	1 W	WM	27	SE SE
18	1 W	WM	28	NE NE
1 S	1 W	WM	28	NW NE
18	1 W	WM	28	SW NE
1 S	1 W	WM	28	SE NE
1 S	1 W	WM	28	NE NW
1 S	1 W	WM	28	WN WN
1 S	1 W	WM	28	SWNW

Twp	Rng	Mer	Sec	Q-Q
18	1 W	WM	28	SE NW
18	1 W	WM	28	NE SW
1 S	1 W	WM	28	NW SW
18	1 W	WM	28	SW SW
1 S	1 W	WM	28	SE SW
18	1 W	WM	28	NE SE
18	1 W	WM	28	NW SE
1 S	1 W	WM	28	SW SE
1 S	1 W	WM	28	SE SE
1 S	1 W	WM	29	NE NE
1 S	1 W	WM	29	NW NE
1 S	1 W	WM	29	SW NE
1 S	1 W	WM	29	SE NE
1 S	1 W	WM	29	NE SE
15	1 W	WM	29	NW SE
1 S	1 W	WM	29	SE SE
18	1 W	WM	32	NE NE
18	1 W	WM	32	NW NE
18	1 W	WM	32	SW NE
18	1 W	WM	32	SE NE
IS	1 W	WM	32	NE NW
1 S	1 W	WM	32	NW NW
1 S	1 W	WM	32	SWNW
18	1 W	WM	32	SENW
18	1 W	WM	32	NE SW
18	1 W	WM	32	NW SW
1 S	1 W	WM	32	NE SE
1 S	1 W	WM	32	NW SE
18	1 W	WM	32	SW SE
1 S	1 W	WM	32	SE SE
1 S	1 W	WM	33	NE NE
1 S	1 W	WM	33	NW NE
1 S	1 W	WM	33	SW NE
1 S	1 W	WM	33	SE NE
1 S	1 W	WM	33	NE NW
1 S	1 W	WM	33	NW NW
1 S	1 W	WM	33	SWNW
18	1 W	WM	33	SENW
18	1 W	WM	33	NESW
18	1 W	WM	33	NW SW
18	1 W	WM	34	NE NE
1 S	1 W	WM	34	NW NE
1 S	1 W	WM	34	NENW
1 S	1 W	WM	34	
1 S	1 W	WM	34	NW NW SW NW

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Water may be applied to lands which are not specifically described above, provided the holder of this right complies with ORS 540.510(3).

The use of water allowed herein may be made only at times when sufficient water is available to satisfy all prior rights, including prior rights for maintaining instream flows.

Issued

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Phillip C Ward, Director Water Resources Department

### Exhibit C

Description of Project from Diversion to Discharge Application to Develop Hydroelectric Use as part of Existing Certificate – City of Beaverton

#### Exhibit C

DEC 1 0 2021

#### Description of the Proposed Project

OWRD

Water will be diverted from the Tualatin River at the Joint Water Commission's Spring Hill Pumping Plant. The City of Beaverton (City) is one of the members of the Joint Water Commission (JWC). The diverted water will be treated at the JWC water treatment plant and pumped to the two 20-million-gallon (MG) Fernhill Reservoirs. Water from the Fernhill Reservoirs is then delivered to the City through the 48-inch diameter JWC South Transmission Line (STL), which conveys water for approximately 13.9 miles, until it transitions to the City's 30-inch which fills the City's 15 MG and 5 MG Sexton Mountain Reservoirs.

The hydropower project will be installed at the Sexton Mountain Pump Station located on the same parcel as the 15 MG Sexton Mountain Reservoir. Beginning in 2023, when the project is expected to be constructed, the average monthly water flowrate through the Sexton Mountain site will be 12.6 cfs. With new aquifer storage and recovery (ASR) wells and expanded water distribution for new development, the site could see an average monthly flowrate up to 26.2 cfs by year 2040. The hydropower turbine will use up to 11.1 cfs of this increasing flowrate and, at the time of install in 2023, space will be left available for an additional future turbine. If the City decides to add another turbine in the future, another hydroelectric water right application would be filed.

After flowing through the hydropower project, the water will be returned to the City's transmission system for distribution to its residential and commercial customers. The resulting wastewater after the water is used by City customers enters the sanitary sewer system, which is managed by Clean Water Services (CWS). CWS treats the wastewater and returns it to the Tualatin River.

### Exhibit D

Agreement with ODFW regarding fish screening / bypass Application to Develop Hydroelectric Use as part of Existing Certificate – City of Beaverton



#### Department of Fish and Wildlife

North Willamette Watershed District 17330 SE Evelyn Street Clackamas, OR 97015-9514 (971) 673-6000 (971) 673-6070 odfw.com

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OREGON Fish & Wildlife

September 15, 2021

Sheila Sahu City of Beaverton 12715 SW Millikan Way Beaverton, Oregon 97005

Subject: City of Beaverton Sexton Mountain Pump Station In-Conduit Hydropower Facility

Dear Ms. Sahu:

In April of 2021 GSI Water Solutions, Inc. (GSI) contacted the Oregon Department of Fish and Wildlife (ODFW) by email that the City of Beaverton (City) was looking into a potential new in-conduit hydroelectric project and had a few questions regarding fish passage. This was followed by GSI scheduling a Teams call with ODFW to discuss the project and to go over any fish passage requirements. On August 26, 2021 GSI emailed ODFW a draft of the application and exhibits for review and asked for a letter from ODFW describing ODFW's requirements for fish screening, bypass devices and fish passage to include in the Final Application. Our review of the application and exhibits has produced the following response found in this letter.

#### Project Description

Water for the in-conduit hydroelectric project will be diverted from the Tualatin River at the Joint Water Commission's Spring Hill Pumping Intake Plant. The City of Beaverton (City) is one of the members of the Joint Water Commission (JWC). The diverted water is treated at the JWC water treatment plant and pumped to the two 20-million-gallon (MG) Fernhill Reservoirs. Water from the Fernhill Reservoirs is delivered to the City through the 48-inch diameter JWC South Transmission Line, that conveys water for approximately 13.9 miles, until it transitions to the City's 30-inch line that fills the City's 15 MG and 5 MG Sexton Mountain Reservoirs.

#### OWRD

The hydropower project will be installed at the Sexton Mountain Pump Station located on the same parcel as the 15 MG Sexton Mountain Reservoir. Beginning in 2023, when the project is expected to be constructed, the average monthly water flowrate through the Sexton Mountain site will be 12.6 cfs. The hydropower turbine will use up to 11.6 cfs of this flowrate for hydroelectric use. The use of water certificate 85914 for the hydroelectric project will limit generation to the period of November 1 through May 1. This is based on the regulation of Certificate 85914 by relative priority date. The project is expected to generate approximately 131.8 theoretical horsepower. Energy generated at the hydropower facility would be used to offset electrical power operations at the City's 15MG Sexton Mountain Reservoir facility. After flowing through the hydropower project, the water will be returned to the City's transmission system for distribution to its residential and commercial customers.

#### **Statutory Requirements**

ODFW understands that the City will be applying to the Oregon Water Resource Department under Oregon Revised Statute (ORS) 543.765 for a certificate to use water for hydroelectric purposes within its municipal water distribution line. Under ORS 543.765(5)(a) a certificate issued under this section must contain the following conditions: fish screens, bypass devices and fish passage as required by the State Department of Fish and Wildlife.

#### Fish Screens and/or Bypass Devices

Water diverted to operate the facility will be delivered through the JWC Spring Hill Pumping Intake Plant. The JWC fish screen, water treatment plant, and existing municipal water distribution line excludes the entry of fish into the conduit where the proposed turbine will be located. Because fish do not have access to and are not found within the existing municipal water distribution system under current conditions and will not have access after the hydropower facility is installed, ODFW does not find a nexus between fish entrainment and operation of the hydropower facility. Therefore, ODFW will not require fish screens or bypass devices under ORS 543.765(5)(a) in this proceeding.

#### Fish Passage

Authorization of the project constitutes a fundamental change in permit status per ORS 509.585 that invokes Oregon Fish Passage Policy. The JWC Spring Hill Pumping Intake Plant relies on a water source diverted by an artificial obstruction (ORS 509.580(1)). ODFW has concluded that this small elevation rock weir is a partial barrier to native migratory fish migration, from early summer to early fall, when flows drop. To address the requirements under ORS 543.765(5)(a) the city can choose to (1) pay an annual fee to the

Oregon Water Resources Department (2) provide full fish passage at the rock weir or (3) apply for a fish passage waiver or exemption from the Oregon Fish and Wildlife Commission. The annual fee would be set forth in the water right or established by order of the Oregon Water Resource Director and adjusted annually for inflation according to the rules established by the Oregon Water Resources Department.

Please feel free to contact me at 971-673-6041 if you have any questions about the fee, how to provide fish passage, or the fish passage waiver or exemption process.

Thank you for the opportunity for review.

Sincerely,

John Zauner

NW Hydropower Coordinator

Cc (via electronic email)

Kregg Smith

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# Exhibit E Evidence of Water Use

Application to Develop Hydroelectric Use as part of Existing Certificate – City of Beaverton

7/7/2021 Cert:85914 OR \*

#### Water Use Report Based on Water Right



#### Cert:85914 OR \*

#### CITY OF BEAVERTON PO BOX 4755 4755 SW GRIFFITH DR BEAVERTON, OR 97076

Records per page: 10 <u>View All</u>

Acre-feet (AF) of Water Used

Water Year*	Report ID	Facility	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total Water Used	Irrigated Acres
2020	11569	SPRING HILL INTAKE	2564.34	2228.54	2550.13	2574.34	2294.71	2620.38	2538.87	2477.80	3351.39	4457.36	4952.95	3961.49	36572.29	
2019	11569	SPRING HILL INTAKE	3074.45	2314.84	2351.57	2557.37	2258.95	2710.63	2633.45	3383.92	4195.52	4451.65	4629.92	3481.17	38043.46	
2018	<u>11569</u>	SPRING HILL INTAKE	2422.25	2053.37	1754.37	1842.14	1920.48	1999.14	2115.70	3290.35	4072.64	5368.36	5114.56	3677.06	35630.41	
2017	<u>11569</u>	SPRING HILL INTAKE	2416.76	2345.25	2301.37	2519.26	2138.10	2439.77	2262.08	2736.54	3398.19	4497.16	4845.48	3544.58	35444.53	
2016	<u>11569</u>	SPRING HILL INTAKE	2531.84	2384.53	2203.47	2224.95	2495.01	2464.32	2633.11	3283.72	3817.71	3753.26	5026.85	3412.61	36231.39	
2015	<u>11569</u>	SPRING HILL INTAKE	2752.80	2154.37	3099.59	2703.70	2188.12	2301.67	2620.84	3102.65	4465.24	5168.02	4879.55	3409.54	38846.09	
2014	11569	SPRING HILL INTAKE	2620.84	2350.77	2258.71	2267.91	2181.99	2341.57	2304.74	2584.01	3403.41	4155.29	4115.39	3998.77	34583.40	
2013	11569	SPRING HILL INTAKE	2648.46	1908.85	2114.47	2295.53	2028.54	2013.20	1872.03	2906.25	2639.25	3931.26	4225.87	2571.74	31155.44	
2012	11569	SPRING HILL INTAKE	2228.02	1970.23	1924.20	1967.16	1752.34	2258.71	2203.47	2715.97	2461.26	3431.03	4124.60	3774.74	30811.72	
2010	<u>11569</u>	SPRING HILL INTAKE	5498.00	2012.00	2247.00	2533.00	2268.00	2441.00	2118.00	2141.00	2112.00	3882.00	4086.00	2732.00	34070.00	

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- The Water Resources Department makes reasonable efforts to screen the data for quality control; however, the Department cannot accept responsibility for errors, omissions, or accuracy of the information. Notification of any errors is appreciated. Send notifications to wateruse@wrd.state.or.us or call 971-345-7489.
- Water use is reported by point of diversion (POD), rather than by water right.
- If a POD is shared with multiple water rights, it is not feasible to separate out the amount used under the water right being queried from water used by other rights using this same POD.
- · 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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<sup>\*</sup>The water year is named for the calendar year in which it ends. Example: the 2018 water year begins Oct. 1, 2017 and ends Sep. 30, 2018.

Not applicable – the applicant will deliver the water for the proposed hydroelectric project

# Exhibit F Delivery of Water by Public Entity

Application to Develop Hydroelectric Use as part of Existing Certificate – City of Beaverton

Exhibit G Land Use Information Form

Application to Develop Hydroelectric Use as part of Existing Certificate – City of Beaverton

## Land Use Information Form



Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1266 (503) 986-0900 www.wrd.state.or.us

RECEIVED

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#### NOTE TO APPLICANTS

OWRD

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 <u>all</u> 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.

# **Land Use Information Form**



Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1266 (503) 986-0900 www.wrd.state.or.us

Applicant(	s): <u>City of</u>	Beavert	on, Attent	tion: Sheila	a Sahu				
Mailing Ac	ldress: 127	25 SW M	illikan Way						
City: Bear	verton			State: <u>OR</u>	Zip Code: <u>97005</u>	<u>Dayti</u>	me Phone: <u>9</u> °	71-288-8	<u>8960</u>
A. Land	and Loca	<u>ition</u>							
and/or used	d or develop	ed. Appli	cants for mu	nicipal use, o	there water will be dive or irrigation uses within on requested below.			, ,	
Township	Range	Section	1/4 1/4	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:		line and	Proposed Land Use:
1 South	1 West	<u>29</u>	<u>NE NE</u>	<u>9701</u>		Diverted	☐ Conveyed	☑ Used	hydroelectric
	nties and c		e water is pro	oposed to be	diverted, conveyed, and	d/or used or d	leveloped:	ort TOK a	The form
B. Descr	iption of	Propos	ed Use						
☐ Permite	t to Use or Si ed Water Use	tore Water License	☐ Water ☐ Alloca	er Resources Right Transfe ation of Conse	r Permi	nge of Water		ter Registra	tion Modification
Source of v	vater: 🗌 R	leservoir/Po	ond 🔲 C	Ground Water	Surface Water (	name) Tuala	tın Rıver		
Estimated	quantity of	water need	led: <u>11.6</u>	⊠ cul	oic feet per second	] gallons per n	ninute 🗌	acre-feet	
Intended us	se of water:		ation [	] Commercial ] Quasi-Muni			estic for r <u>Hydropov</u>		ld(s)
Briefly des			1-1	1.6	441		1 1 1 4		
				_	to authorize the ger ted water right for i		(8)	ric power	r as part of its
<u> </u>		1100				The second second	an posts.	ni a sektoj	are a
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	ive sign the				nnot be completed while age and include it with				
				See bot	tom of Page 3. →				
								REC	EIVED
								DEC	0 2021
							ing Betu usumu se	ON	VRD

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### For Local Government Use Only

OWRD

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 be	elow and provide the requested info	rmation	
☐ Land uses to be served by the proposed water your comprehensive plan. Cite applicable or	er uses (including proposed construction) are a rdinance section(s):	llowed outright	t or are not regulated by
\[ \begin{align*}	amentation of applicable land-use approvals wompanying findings are sufficient.) If approve	hich have alrea	dy been obtained.
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	d-Use Approval:
Conditional Use	40.15.15.5.C.1-8	☐ Obtained ☐ Denied	☑ Being Pursued ☐ Not Being Pursued
Design Review (Type 2)	40.20.15.3.C.1-9	☐ Obtained ☐ Denied	☑ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursucd ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
Lana For			
Name: Jana Fox	y Jana Fea sillbeuverlongrugon gov, O=City of		lanning Manager
Signature: City of Beave.		8530 Date: _	9/21/2021
Note to local government representative: Plasign the receipt, you will have 30 days from the Form or WRD may presume the land use assoc	ease complete this form or sign the receipt below Water Resources Department's notice date to	return the compible with local	pleted Land Use Informatio comprehensive plans.
	To the description of the second of the seco	4011	
Applicant name:			
City or County:	Staff contact:		
Signature:	Phone:	Date:	