Application for a Permit to Use

Ground Water

JAN **2 6** 2015

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

SALEM, OR

Water-Use Permit Application Processing

1. Completeness Determination

The Department evaluates whether the application and accompanying map contain all of the information required under OAR 690-310-0040 and OAR 690-310-0050 (www.oregon.gov/owrd/law). The Department also determines whether the proposed use is prohibited by statute. If the Department determines that the application is incomplete, all fees have not been paid, or the use is prohibited by statute, the application and all fees submitted are returned to the applicant.

2. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$200. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

3. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at www.oregon.gov/owrd. The public comment period is 30 days from publication in the weekly notice.

4. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the IR, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

5. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$350.00 for the applicant and \$700.00 for non-applicants. Protests are filed on approximately 10% of Proposed Final Orders. If a protest is filed, the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

6. Final Order Issued

If no protests are filed, the Department issues a Final Order consistent with the PFO. If the application is approved, a permit is issued that specifies the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate.

Revised 2/1/2012 G1-17-987 Ground Water/1 WR

Application for a Permit to Use

Ground Water



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

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Conduit 3 HydroElectric Project LLC At ADDRESS 2420 NE Sandy Blvd. Suite 203 CITY Portland	STATE tn Susan	ZIP	E-MAIL*	FAX
Organization Information IAME Conduit 3 HydroElectric Project LLC Atabbress 2420 NE Sandy Blvd. Suite 203 ETTY Portland		ZIP	E-MAIL*	
Organization Information AME Conduit 3 HydroElectric Project LLC At DDRESS 420 NE Sandy Blvd. Suite 203 ETTY Portland		ZIP	E-MAIL*	
NAME Conduit 3 HydroElectric Project LLC At ADDRESS 2420 NE Sandy Blvd. Suite 203 EITY Portland	tn Susan			
NAME Conduit 3 HydroElectric Project LLC At ADDRESS 2420 NE Sandy Blvd. Suite 203 EITY Portland	tn Susan			
2420 NE Sandy Blvd. Suite 203 Portland		NAME Conduit 3 HydroElectric Project LLC Attn Susan Priddy		
Portland			CELL 503-380-8487	
	STATE OR	ZIP 97232	E-MAIL* susan.priddy@lucider	nergy.com
Agent Information — The agent is authorized	d to repre	sent the ap		ng to this application.
GENT / BUSINESS NAME Fed Ressler/GSI Water Solutions Inc			PHONE 503-239-8799	FAX
ADDRESS 55 SW Yamhill Suite 300			CELL	
CITY	STATE	ZIP 97204	E-MAIL*	
Portland Note: Attach multiple copies as needed	OR	97204	tressler@gsiws.com	RECEIVED BY O
By providing an e-mail address, conser- electronically. (paper copies of the final By my signature below I confirm that	order do	cuments v		JAN 2 6 2015
 I am asking to use water specific Evaluation of this application wi I cannot use water legally until the oregon law requires that a permit the use is exempt. Acceptance of If I get a permit, I must not wasted If development of the water used The water use must be compatible Even if the Department issues a property to get water to which they are en 	ally as d ill be bas ne Water it be issu this appe water. is not acc le with le	escribed in ed on information resource ed before olication de cording to ocal comp	rmation provided in the es Department issues a pobeginning construction oces not guarantee a permethe terms of the permit, rehensive land-use plans	ermit. of any proposed well, unless nit will be issued. the permit can be cancelled. s.
I (ve) affirm that the information	دد S Prin	ad EPR	1004 DIRECTOR OF OP the if applicable LUCIO ENTR	EDMON 11/3/2014

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Revised 2/1/2012

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.	
☐ Yes ☐ There are no encumbrances. ☐ This land is encumbered by easements, rights of way, roads or other encumbrances.	
 No ☑ I have a recorded easement or written authorization permitting access. ☐ I do not currently have written authorization or easement permitting access. ☐ Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040). ☐ Water is to be diverted, conveyed, and/or used only on federal lands. 	ţ
List the names and mailing addresses of all affected landowners (attach additional sheets if necessary).	
Permission via City of Portland Ordinance 185729	

You must provide the legal description of: 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3. Any property on which the water is to be used as depicted on the map.

SECTION 3: WELL DEVELOPMENT

		IF LESS 7	THAN 1 MILE:
WELL NO.	NAME OF NEAREST SURFACE WATER	DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
EW-1	Johnson Creek > Willamette River	7,750 feet	0 feet (Stream at 234 feet, Well at 234 feet)

Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials (attach additional sheets if necessary).

A proposed construction drawing for well EW-1 is enclosed. The groundwater use being requested is for a low temperature open-loop geothermal project (non-contact cooling water). The groundwater appropriated under this water right will be returned to the same aguifer after use (non-consumptive).

SECTION 3: WELL DEVELOPMENT, CONTINUED

Total maximum rate requested: 20 gpm (non-consumptive) (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. (If a well log is available, please submit it in addition to completing the table.) If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

										PROPOSED USE			
OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL- SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
EW-1	\boxtimes		N/A		6-inch (est.)	0-100 (est.)	100-150 (est.)	0-30 (est.)	50 ft bgs (est.)	Unconsolidated sands and gravels	150 ft (est.)	20	32.3

Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.

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^{**} A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.

^{***} Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Commercial (non-contact cooling)	Year round	32.3 (non-consumptive)

Exempt Uses: Please note that 15,000 gallons per day for single or group domestic purposes and 5,000 gallons per day for a single industrial or commercial purpose are exempt from permitting requirements.

For	irriga	tion	use	only:
T OI	II I IZA	uvu	usc	OHIT

Please indicate the number of primary and supplemental acres to be irrigated (must match map).

Primary: N/A Acres

Supplemental: N/A Acres

List the Permit or Certificate number of the underlying primary water right(s): N/A

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: N/A

- If the use is municipal or quasi-municipal, attach Form M
- If the use is **domestic**, indicate the number of households: <u>N/A</u>

If the use is mining, describe what is being mined and the method(s) of extraction: N/A

SECTION 5: WATER MANAGEMENT

Other means (describe): _____

A.]	Diver	sion an	ıd Coı	nveyan	ce
-------------	-------	---------	--------	--------	----

What equipment will you use to pump water from your well(s)?

□ Pump (give horsepower and type): 1 Hp submersit	ole (anticipated size and type)

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. Groundwater will be appropriated from the well using a submersible pump. The approrpiated groundwater will be circulated within a closed pipe system for non-contact cooling and then return to the same aquifer via an injection well.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) The water will be circulated within a closed pipe system for non-contact cooling.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters.

The use of water under this water right will be non-consumptive. The appropriated groundwater will be circulated within a closed pipe system for non-contact cooling and then return to the same aquifer via an injection well.

SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR

If you would like to store ground water in a reservoir, complete this section (if more than one reservoir, reproduce this section for each reservoir).

Reservoir name: N/A Acreage inundated by reservoir: N/A

Use(s): N/A

Volume of Reservoir (acre-feet): N/A Dam height (feet, if excavated, write "zero"): N/A

Note: If the dam height is greater than or equal to 10.0' above land surface **AND** the reservoir will store 9.2 acre feet or more, engineered plans and specifications must be approved prior to storage of water.

SECTION 7: USE OF STORED GROUND WATER FROM THE RESERVOIR

If you would like to use stored ground water from the reservoir, complete this section (if more than one reservoir, reproduce this section for each reservoir).

Annual volume (acre-feet): N/A

USE OF STORED GROUND WATER	PERIOD OF USE
N/A	N/A

SECTION 8: PROJECT SCHEDULE

Date construction will begin: 1/1/2015

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Date construction will be completed: Within 5 years of the date of permit

JAN 2 6 2015

Date beneficial water use will begin: Within 5 years of the date of permit

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SECTION 9: WITHIN A DISTRICT

Check here if the point of diversion or place of use are located within or served by an irrigation or other water district.

Irrigation District Name	Address		
City of Portland - Portland Water Bureau	1120 SW 5th Avenue, Suite 600		
City	State	Zip	
Portland	OR	97204	

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application (attach additional sheets if necessary).

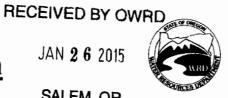
Revised 3/4/2010 61-1797 Ground Water/7

PR14-234755 LUCS

Land Use

Information Form

JAN 26 2015



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

SALEM, OR

Applicant:	Conduit	3 Hydroe	lectric Proj	ect LLC			Last		
/ailing A	ddress: 242	20 NE Sar	ndy Blvd S	uite 203					
ortland	City		C	OR State	97232 Daytime	Phone: 503	-380-8487		
. Land	and Loc	ation							
transporte	ed), and/or	used or dev	eloped. Ap	plicants for i	where water will be di- municipal use, or irriga s for the tax-lot informa	tion uses wit	hin irrigation		
Township	Range	Section	1/4 1/4	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)		Water to be:		Proposed Land Use:
1S	2E	12	SWNW	N/A	In Right-of-Way of SE 147th Ave	☑ Diverted	☑ Conveyed	☑ Used	Commercial
						Diverted	Conveyed	Used	
						☐ Diverted	Conveyed	☐ Used	
						Diverted	☐ Conveyed	Used	
City of 1	Portland, I	Multnoma	h County						
3. Des c	ription o	f Propos	ed Use						
Permit t	pplication to to Use or Sto Water Use	ore Water	☐ Water I	ter Resource Right Transfer ion of Conser			Ground Water	Registratio	on Modificatio
Source of	water:	Reservoir/P	ond 🛛	Ground Wate	r Surface Wate	r (name)	_		
Estimated	quantity of	f water nee	ded: <u>20</u>		cubic feet pe	er second	gallons per n	ninute [acre-feet
ntended u	ise of water		gation [Commerci Quasi-Mu	===		omestic for	househ	old(s)
Briefly de	scribe:								
The procirculate injection	ed within	of water value of wat	will be non ipe system	-consumpti for non-co	ive. The appropriate ntact cooling and the	d groundwa n return to t	ter will be the same aqu	ifer via a	ın

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. \rightarrow

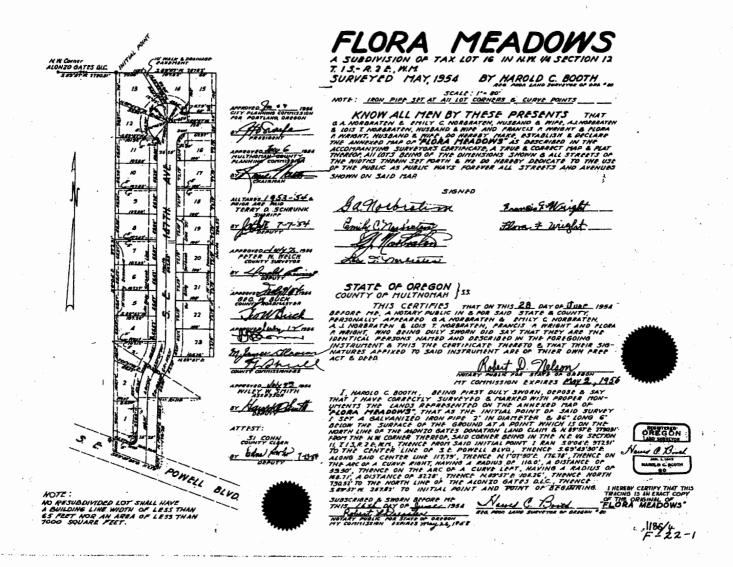
Revised 3/4/2010 WR

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	c below and provide the requested	<u>l informat</u>	<u>ion</u>	
Land uses to be served by the proposed regulated by your comprehensive plan.	water uses (including proposed construction Cite applicable ordinance section(s): <u>33</u> 。	are allowed 10.030	d outright or are not	
approvals as listed in the table below. (I already been obtained. Record of Actio	water uses (including proposed construction Please attach documentation of applicable la on/land-use decision and accompanying find riods have not ended, check "Being pursu	ind-use appro ings are suff	ovals which have	
Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Lan	d-Use Approval:	
		☐ Obtained☐ Denied	☐ Being Pursued ☐ Not Being Pursued	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued	
		HE(JAN 2 6 2015	
			SALEM, OR	
Name: Title:Suson Ellis Signature: Swaw Ellis Government Entity: _Chy of Pool	llis, Chu Planner 503-823-536 Phone: Date	ol (1/2	25/14	
Note to local government representative you sign the receipt, you will have 30 days	: Please complete this form or sign the rece from the Water Resources Department's no me the land use associated with the propose	tice date to r	eturn the completed Land	i il
Receipt 1	for Request for Land Use Infor	mation		
Applicant name:				
City or County:	Staff contact:		transcript Associated States Co.	
Signature:	Phone:	_ Date:		

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ORDINANCE NO. 168420

SALEM, OR

* Accept jurisdiction from Multnomah County of certain County Roads, lying within the corporate limits of the City of Portland, pursuant to the Intergovernmental Agreement authorized by Ordinance No. 155651, passed by Council March 1, 1984. (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

- 1. Ordinance No. 155651, passed by Council on March 1, 1984, authorized execution of an Intergovernmental Agreement with the County of Multnomah, providing for the efficient and equitable distribution of transportation resources and responsibilities.
- 2. In accordance with the Intergovernmental Agreement and ORS 373.270, on July 1, 1984, the City accepted jurisdiction from Multnomah County of certain Multnomah County Roads within the corporate boundaries of the City of Portland, as those boundaries existed February 9, 1984.
- 3. The Intergovernmental Agreement also provides for the semi-annual transfer to the City of jurisdiction of County Roads within future City boundaries, as areas are annexed to the City.
- 4. The Multnomah County Commission took action December 29, 1994, to transfer jurisdiction to the City of certain County Roads which are specifically described in Exhibit A, attached hereto.
- 5. The City should now accept jurisdiction of those certain County Roads, as described in attached Exhibit A, within newly annexed areas of the corporate limits of the City of Portland, as those limits existed June 30, 1994.

NOW, THEREFORE, the Council directs:

- a. The City of Portland hereby accepts jurisdiction, effective January 1, 1995, of certain County Roads within the corporate limits of the City of Portland, as those limits existed June 30, 1994, said Multnomah County Roads being described in attached Exhibit A, and by this reference, made a part hereof.
- b. That the Multnomah County Roads described in Exhibit A are hereby taken over, laid out and established as City streets, and that the City of Portland, from this date forward, shall have exclusive jurisdiction and control over the above described County Roads.
- c. That the City Auditor shall forward copies of this Ordinance to the County Commissioners of Multnomah County, the Multnomah County Director of Engineering Services, and the County Assessor.

- 3245 S.E. 146th Avenue, No. 2154 (From S.E. Grant Street to S.E. Caruthers Street)
- 3345 S.E. 147th Avenue, No. 2302 (From S.E. Powell Boulevard to a point 50.00 feet North of S.E. Woodward Court)
- 3A45 S.E. 147th Avenue, No. 4279
 (From S.E. Center Street to a point 322.89 feet Northerly of S.E. Center Street)
- 3245 S.E. 147th Avenue, No. 2155 (From S.E. Grant Street to S.E. Caruthers Street)
- 3245 S.E. 147th Avenue, No. 2219 (From S.E. Lincoln Street to a point 275.00 feet North of S.E. Lincoln Street).
- S.E. 147th Avenue, No. 4280 (From S.E. Center Street to a point 217.07 feet Southerly of S.E. Center Street)
- 3245 S.E. 148th Avenue and Drive, Nos. 1287, 4034, 3796, 4206, 2862 (From a point 125.07 feet North of S.E. Lincoln Street to S.E. Gladstone Street)
- 3445 S.E. 149th Avenue, Nos. 3244, 2388 (From S.E. Gladstone Street to a point 214.00 feet North of S.E. Bush Street)
- S.E. 150th Avenue, No. 4283

 (From S.E. Woodward Street to a point 125.00 feet, more or less, North of S.E. Woodward Street)
- S.E. 150th Avenue, Nos. 4053, 4509 (From S.E. Center Street to S.E. Rhone Street)

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3345 S.E. 151st Avenue, Nos. 4607, 4335 (From S.E. Tibbetts Street to S.E. Franklin Street)

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- S.E. 151st Avenue, No. 4191 (From S.E. 153rd Avenue to a point 445.24 feet Westerly of S.E. 153rd Avenue)
- S.E. 151st Avenue, Nos. 4387, 4622 (From S.E. Gladstone Drive to S.E. Powell Boulevard)
- 5.3.45° S.E. 152nd Avenue, No. 4072 (From S.E. Franklin Street to S.E. Kelly Street)

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