Appendix J-3: Typha Permit Applications

KITTITAS COUNTY
DEPARTMENT OF PUBLIC WORKS

ACCESS AND ADDRESS APPLICATION

Application for: ☐ **Address $100.00** ☐ **Access $270.00** **Payment Method:** ☐ **Check** _____ ☐ **Cash**
☒ **Access and Address $330.00**

Owner Name Douglas Dicken
Mailing Address PO Box 1201
Ellensburg, WA 98926
Phone Number 509-859-2740
Email Address chevy@elltel.net

Permit #_____

Applicant Name TUUSSO Energy, LLC
Mailing Address 500 Yale Ave North
Seattle, WA 98109
Phone Number 206-303-0198
Email Address jason.evans@tuusso.com

DATE STAMP

Request Access and/or Address for:

☐ Approved Subdivision ☐ Pending Subdivision ☐ Agricultural Access
☐ Single Family Dwelling ☐ Commercial Access ☐ Temporary Access
☒ Other Photovoltaic Solar Project

Number of Lots to be served by the Access: 1

Assessor's Map No.: 18-18-30000-0001, 18-18-30000-0012, 18-18-30040-0001

Plat Name N/A Lot N/A

Road Name of Access Location: Thorp HWY S

Distance and Direction to Nearest Intersection or Adjacent Address:
At Ellensburg Golf, and Country Club entrance

Desired Width of Driveway: 12 FT (Minimum Width Requirement is based on length of driveway)

CALL BEFORE YOU DIG 1-800-424-5555 OR 811

Applicant is responsible for calling for underground utility locates 48 hours prior to construction.

☒ **I have attached a site map with details on the access, driveway and any buildings (existing or proposed).**
☒ **Applicant will stake along right-of-way to mark desired location of access.**
☒ **Applicant agrees to perform the work in compliance with the Kittitas County Road Standards and the requirements on the Access Permit.**
☒ **Applicant certifies that the access applied for is only for the purpose indicated.**

Applicant declares he/she is the owner or owner's agent of the real property whose access is under construction.
Applicant Signature _____ Date _____

Reviewers Notes:

NEW ADDRESS: _____

CITY: _____ ZIP: _____

☐ PRIVATE ROAD CERTIFICATION REQUIRED PRIOR TO_____

ACCESS REQUIREMENTS PRIOR TO BUILDING PERMIT:

☐ PAVED APRON REQUIRED – WSDOT DESIGN STANDARDS
☐ CULVERT REQUIRED-MUST BE BEDDED ON A MINIMUM OF 4" OF 5/8 GRAVEL OR EQUIVALENT
-Minimum Culvert Diameter: _____ Inches
-Minimum Beveled End Length: _____ Feet
-Total Culvert Length: _____ Feet
-Minimum Cover of: _____ Inches
☐ 4:1 BEVELS REQUIRED ON CULVERT ENDS
☐ CONSTRUCT APRON(FIRST 20 FEET) WITH NO MORE THAN 6% GRADE
☐ COMPACTED GRAVEL SURFACE LAYER REQUIRED
☐ 10 FOOT TURNING RADIUS ON APRON
☐ SIDE SLOPES OFF OF APRON NOT TO EXCEED A 4:1 SLOPE

☐ PERMIT EXPIRES ON: _____

DRIVEWAY REQUIREMENTS PRIOR TO OCCUPANCY PERMIT:

☐ DRIVEWAY NOT TO EXCEED 15% GRADE
☐ DRIVEWAYS LESS THAN 150 FEET IN LENGTH TO BE A MINIMUM OF 12 FEET WIDE WITH COMPACTED GRAVEL SURFACE LAYER
☐ DRIVEWAYS LONGER THAN 150 FEET IN LENGTH TO BE A MINIMUM OF 16 FEET WIDE WITH COMPACTED GRAVEL SURFACE LAYER
☐ DRIVEWAY SET BACK OF 5 FEET FROM SIDE PROPERTY BOUNDARIES
☐ SIDE SLOPE OFF DRIVEWAY SURFACE LAYER NOT TO EXCEED A 2:1 SLOPE

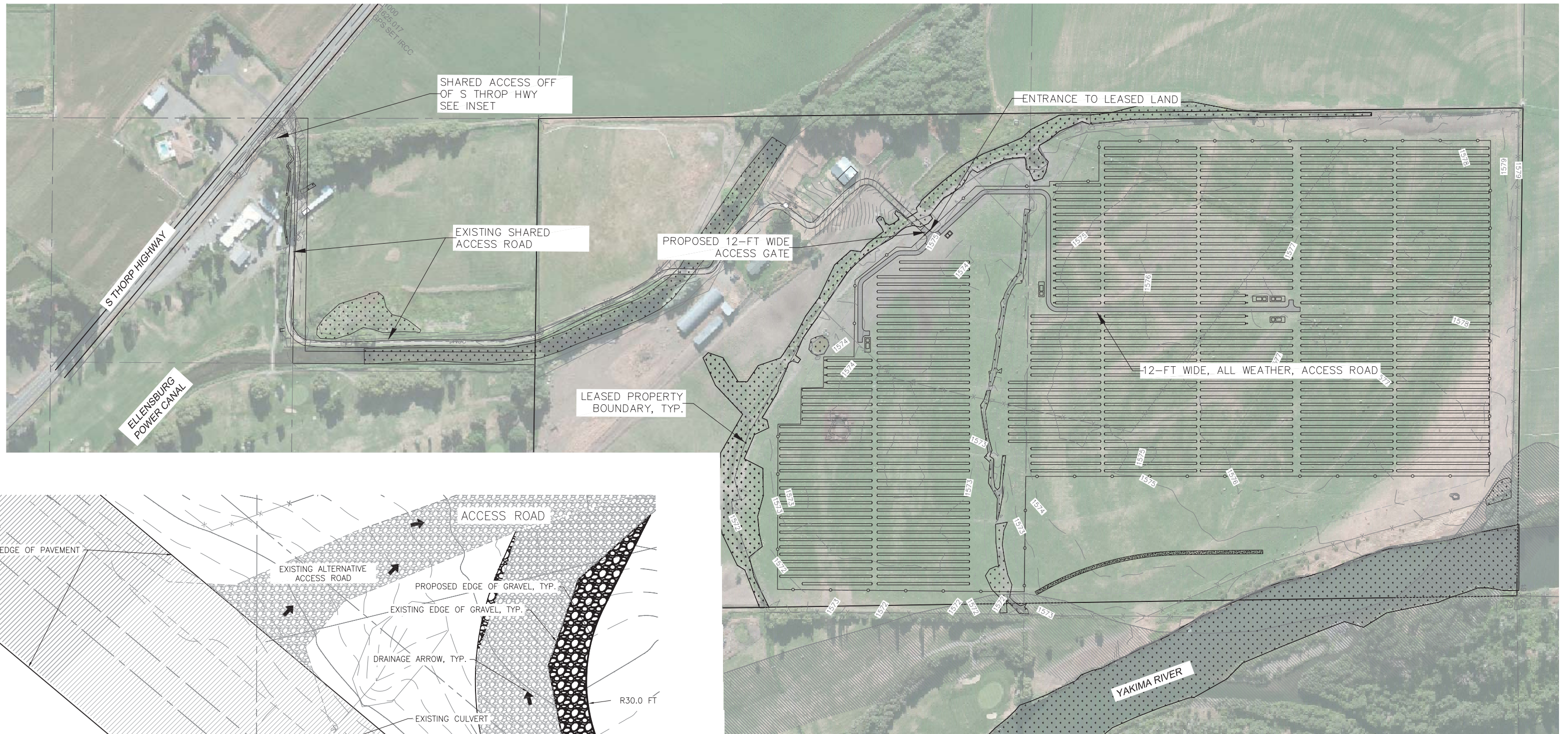
NOTES: _____

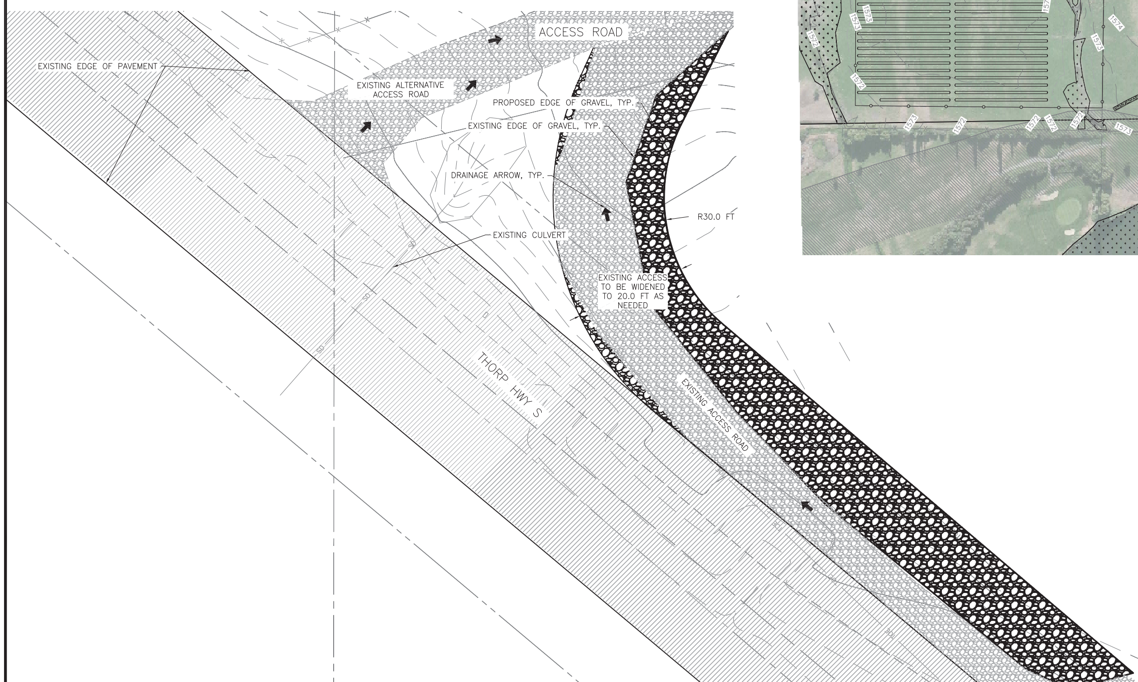
Reviewers Signature Title Date

411 N. Ruby St. Suite 1
Ellensburg, WA 98926
TEL (509) 962-7523
FAX (509) 962-7663

TUUSSO ENERGY - TYPHA SITE

A PORTION OF THE EAST 1/2 OF THE NE 1/4 OF SECTION 30, T. 18 N., R. 18 E., W.M.
KITTITAS COUNTY, STATE OF WASHINGTON





SITE ACCESS DETAIL
1"=10'

PROPERTY INFORMATION:

APPLICANT:	TUUSSO ENERGY, LLC 500 YALE AVE N SEATTLE, WA 98109
PARCEL NUMBERS:	712633, 752633, 802633
PARCEL 1 SIZE:	80.44 ACRES
TRACT 1A SIZE:	54.29 ACRES (LEASED)
TRACT 2A SIZE:	1.85 ACRES (LEASED)
TRACT 3A SIZE:	24.30 ACRES (NOT LEASED)
PARCEL 4 SIZE:	0.97 ACRES (NOT LEASED)
PROPERTY ADDRESS:	TBD, ELLENSBURG, WA 98926
ZONE:	COMMERCIAL AGRICULTURAL
IRRIGATION DISTRICT:	WEST SIDE, PACKWOOD

REVISIONS		
DESCRIPTION	BY	DATE

NOT FOR CONSTRUCTION

TUUSSO ENERGY, LLC
TYPHA SITE
ACCESS SITE MAP

Encompass
ENGINEERING & SURVEYING
Western Washington Division
165 NE Juniper Street, Suite 201 • Issaquah, WA 98027 • Phone: (425) 392-0250 • Fax: (425) 391-3055
Eastern Washington Division
407 Swiftwater Blvd. • Cle Elum, WA 98922 • Phone: (509) 674-7433 • Fax: (509) 674-7419

JOB NO.	17019
DATE	AUGUST 2017
SCALE	AS SHOWN
DESIGNED	SF
DRAWN	SF
CHECKED	TML
APPROVED	TML
SHEET	EX-1

KITTITAS COUNTY
COMMUNITY DEVELOPMENT SERVICES
411 NORTH RUBY STREET SUITE #2 ■ ELLENSBURG, WA 98926
PHONE (509) 962-7506 ■ FAX (509) 962-7682

General Application for Construction

Assessor Map Number:	Official Use Only:
(Use http://www.co.kittitas.wa.us/assessor/property.asp if needed) Example 21-12-35000-0021 1 7 - 1 9 - 1 8 0 4 0 - ___ ___ ___ ___	**Permit #:**
Short Plat/ Subdivision: / Lot #:	**Date Applied:**
	Intake:

Site Address: 4561 No. 6 Road and 2100 Tjossem Road, Ellensburg, WA 98926			
Project Description/ Nature of Work: Camas 5-MW Solar Project		~~Square Foot~~ Total:	
Specific Use of Structure: To generate renewable electricity		No. of Bedrooms: 0	
Heating System Type & Location: N/A	Heating System Fuel Type: N/A	Fireplace Fuel Type: N/A	Hot Water Location & Fuel: N/A
☐ New Residential ☐ Residential Alteration ☐ Residential Addition ☐ Foundation	☐ New Commercial ☐ Commercial Alteration ☐ Commercial Addition ☐ Tenant Improvement	☐ Multi-Family ☐ Demolition ☐ Mobile Home ☐ Accessory Building	☐ Accessory Building Alteration ☐ Agricultural Building ■ Other New Industrial

PROPERTY OWNER:	Valley Land Company, LLC	Day Phone: 509-962-2840
Mailing Address:	1585 Tjossem Road	
City, State, ZIP:	Ellensburg, WA 98926	
E-mail:	jbrunson@fairpoint.net	Cell Phone: 509-899-2840
CONTRACTOR:		Day Phone:
Contact:		
Address, City, State, ZIP:		
E-mail:		Cell Phone:
Contractor License #:		Expiration Date:
ARCHITECT/ ENGINEER/ DESIGNER:		Day Phone:
Contact:		
Address, City, State, ZIP:		
E-mail:		Cell Phone:
Professional License No.:		Expiration Date:

APPLICANT/ AGENT:	Jason Evans	Day Phone: 206-708-6055
Company (if any):	TUUSSO Energy LLC	
Address, City, State, ZIP:	500 Yale Avenue North, Seattle, WA 98109	
E-mail:	Jason.evans@tuusso.com	Cell Phone: 206-303-0198

This Section To Be Completed For Construction Permits Only

Pursuant to RCW 19.27.095 (2)(i-ii) The requirements for a fully completed construction application shall include:

i. The name, address, and phone number of the office of the lender administering the interim construction financing, if any: OR
ii. The name and address of the firm that has issued a payment bond, if any, on behalf of the prime contractor for the protection of the owner, if the bond is for an amount not less than 50% of the total amount of the construction project.

If for any reason the information requested below is not available at the time of application, the applicant shall provide the information as soon as it can be reasonably be obtained.

☐ Lending Agency Name: Phone:

Mailing Address: City: State: ZIP:

☐ I acknowledge by checking this box that this project has no lending agency for construction financing.

☐ Bonding Agency Name: Phone:

Mailing Address: City: State: ZIP

☐ I acknowledge by checking this box that this project has no bonding agency.

If you are the Owner and Acting As Your Own Contractor, please complete the following declaration:

I acknowledge that I am applying for a construction permit through the Kittitas County Community Development Services. I also acknowledge that I *am* not a licensed contractor, specialty or general, or that I am not acting as a contractor and wish to be exempt from the requirements of the Washington State Contractor's Act, per RCW 18.27.090, and will abide by all provisions and conditions of the exemption as stated. I agree that if I use the assistance of any person(s) to provide labor and/or assistance, I will retain only contractors registered and currently licensed as required under the laws of the State of Washington.

I (print name) _____ certify under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Owner Signature: _____ Date: _____

1. All permits shall expire by limitation and be declared void if any one of the following apply:
   a. Work is not started within 365 days of obtaining a permit.
   b. Work is abandoned for 365 days or more after beginning work.
   c. An inspection and approval of work completed has not been performed by Kittitas County Community Development Services for 365 days.
2. The building permit card and approved construction plans shall be kept on the site of work until completion of the project.
3. It shall be the duty of the permit holder or their agent to notify the building official that such work is ready for inspection. It shall by the duty of the person requesting any inspections required by code to provide access to and means for inspection of such work. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the building official. Any portion that does not comply shall be corrected and such portion shall not be covered or concealed until authorized by the building official.
4. No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the building official has issued a Certificate of Occupancy.
5. Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents.

I hereby acknowledge that I have read this application and certify under penalty of perjury under the laws of the State of Washington that the above answers are true and complete to the best of my knowledge. I agree to comply with all current codes, laws, regulations and permit requirements related to this project. I hereby certify that I will pay all fees as required by law, including any applicable review fees if I do not purchase the permit. I further agree to, and hereby grant to Kittitas County Community Development Services and Department of Public Works a right to enter onto the premises as described for this permit application, for the purpose of making such inspections and tests as may be required. By signing this application, the Owner certifies that they are the legal owner of the property. All permit fees are non-refundable.

Owners Signature: (Required)		Authorized Agent Signature:	
Print Name:		Print Name:	
Date:		Date:	

Tuusso Energy: Typha Solar Project

NOI Application

September 5, 2017

SECTION 1. CONTACT INFO

Contact Information Section Help

This Notice of Intent application requires the following contact types: **Permittee, Site Owner, and Site Contact.** Please use the table below to fill in your required contacts. You may add additional contact types that are not pre-listed.

Note: Please remember you are responsible for notifying the Department of Ecology when your contact information changes.

Contact Type	First Name	Last Name	Organization Name	Action
Permittee	Jason	Evans	Tuusso Solar, LLC	Edit - Remove
Site Contact	Jason	Evans	Tuusso Solar, LLC	Edit - Remove
Site Owner	Dicken	Douglas		Edit - Remove

Your mailing address will be standardized against the postal service (USPS) mailing database when you click on the "Update" button. Verfication may be necessary.

Honorific: **Contact Type:** Permittee

First Name: Jason **Last Name:** Evans

Organization Name: Tuusso Solar, LLC Title:

Mailing Address: 500 Yale Ave N

Country: UNITED STATES

City: Seattle **State:** WA **Zip:** 98109 - 5680

Email Address: jason.evans@tuusso.com

Business Phone: 206 - 708 - 6055 Ext. Fax Number: - -

Cell Phone: 206 - 303 - 0198 UBI Number:

Your mailing address will be standardized against the postal service (USPS) mailing database when you click on the "Update" button. Verfication may be necessary.

Honorific: **Contact Type:** Site Owner

First Name: Dicken **Last Name:** Douglas

Organization Name: Title:

Mailing Address: PO Box 1201

Country: UNITED STATES

City: Ellensburg **State:** WA **Zip:** 98926 - 1902

Email Address: chevy@elltel.net

Business Phone: 509 - 859 - 2740 Ext. Fax Number: - -

Cell Phone: - - UBI Number:

Copy From... My Profile Save Contact Cancel

SECTION 2. FACILITY/SITE INFO

Facility/Site Information

Section Help

Your facility address will be standardized against the postal service (USPS) mailing database when you click on the "Select facility from map" link. Verfication may be necessary.

This Facility/Site's Ownership Type is: Private

Facility/Site Name: Typha Solar Project

Street Address:

City: Zip: 98926

Or

If the site lacks a street address, list its specific location. Example: Intersection of Highway 61 and 34.

Location Description: TBD (Near 3401 S Thorp Hwy), Ellensburg, WA 98926

Find my facility/site on a map

Please use the pop up map to complete the latitude, longitude and county information below. Use the pencil tool on the map to locate your facility at the front door or site entrance. *(The map may take a second to pop up.)*

Select facility/site from map

Latitude: 47.024099 **Longitude:** -120.628493 **County:** Kittitas

SECTION 3. SITE/PROJECT INFO

Project Information

Section Help

Type of Construction Activity: *(check all that apply)*

☐ Highway or Road (city, county, state) ☐ Residential ☐ Commercial ☐ Industrial

☐ Utilities ☑ Other *(specify):* Photovoltaic solar panel s

Project/Site Size: 56.14 acres

The total size of the project site in acres. This is all land that is owned or controlled by the permittee.

Soil Disturbance Size: 38.56 acres

Total area of soil disturbance for your site/project over the life of the project. Include grading, equipment staging, excavation, borrow pit, material storage areas, dump areas, haul roads, side-cast areas, off-site construction support areas, and all other soil disturbance acreage associated with the project. (Note: 1 acre = 43,500 ft²).

Estimated Project Start Date: 4/1/2018

Estimated Project End Date: 10/31/2018

Will 1,000 cubic yards or more of poured concrete or recycled concrete be used over the life of the project? ○ Yes ◉ No

Site Conditions

Are you aware of contaminated soils present on the site? ○ Yes ◉ No

Are you aware of groundwater contamination located within the site boundary? ○ Yes ◉ No

Other Permits

Please enter other permits issued by Water Quality for this site.

Permit Number	Action
	Add

SECTION 4. DISCHARGE LOCATION

Discharge Location/Outfall Information

Section Help

Will water discharge directly or indirectly (through a storm drain system or roadside ditch) into one or more surface waterbodies (wetlands, creeks, lakes, and all other surface waters and water courses)?

No, no discharge to surface waters (100% infiltration) ▼

If your project includes dewatering, you must include dewatering plans and discharge locations in your site Stormwater Pollution Prevention Plan.

Location of Discharge into Surface Waterbody (Outfall Location)

Select the waterbody location (outfall) on the pop up map where the site has the potential to discharge into a waterbody (enter all locations). If you have 100% infiltration, you must select where the infiltration point is as your outfall. *(The map may take a second to pop up.)*

Outfall Number	Outfall Name	Lat/Long	Action
1	Infiltratiom	47.023126/-120.624341	Edit - Remove

SECTION 5. NOI INFORMATION

Stormwater Pollution Prevention Plan (SWPPP)

You must develop a SWPPP prior to starting construction. Do **not** submit your SWPPP with your application. The exception is that Ecology may request a copy of all or part of your SWPPP if you answered yes to the questions under the Site Conditions heading on the Site/Project Info tab.

☑ I have read and agree to the information above

Best Management Practices (BMPs)

You must use the BMPs listed in the Stormwater Management Manual for Western Washington or the Stormwater Management Manual for Eastern Washington or other manuals approved by Ecology. Alternatively, you may use demonstrably equivalent BMPs on the basis of permit condition S9.C.4. If you intend to use a BMP at your site that is not included in these manuals, but that you believe meets the definition of a demostrably equivalent BMP, you must notify the appropriate regional office. (See Definitions in the Construction Stormwater General Permit).

Note that if you receive permit coverage without indicating the preference for a demostrably equivalent BMP and later decide to use one, you must provide Ecology with notice of the selection of an equivalent BMP no less than 60 days before the intended use of the equivalent BMP.

http://www.ecy.wa.gov/programs/wq/stormwater/construction/contacts.html

☑ I have read and agree to the information above

SECTION 6. DMR

Discharge Monitoring Reports (DMRs)

Permittees must submit monitoring data using Ecology's WQWebDMR program.

To sign up for WQWebDMR, or to register a new site, go to http://www.ecy.wa.gov/programs/wq/permits/paris/webdmr.html. If you are unable to submit your DMRs electronically, you may contact Ecology to request a waiver. Ecology will generally only grant waiver requests to those permittees without internet access. Only a permittee or representative, designated in writing, may request access to or a waiver from WQWebDMR. If you have questions on this process, contact Ecology's WQWebDMR staff at WQWebPortal@ecy.wa.gov or 1-800-633-6193, Option 3 (toll free).

☑ I have read and agree to the information above

SECTION 7. SEPA

State Environmental Policy Act (SEPA)

Section Help

This Notice of Intent (NOI) is incomplete and cannot be approved until the applicable SEPA requirements under Chapter 197-11 WAC are met.

Who is the SEPA lead agency on your site? Energy Facility Site Evaluation Council

Has the SEPA lead agency issued a final decision on your checklist? ○ No ○ Yes ○ Exempt

More SEPA information is available at: http://www.ecy.wa.gov/programs/sea/sepa/e-review.html

SECTION 8. PUBLIC NOTICE

Public Notice

Section Help

You must publish a public notice at least **once** a week for **two** consecutive weeks with **seven days** between publications, in at least a **single** newspaper of general circulation in the county in which the construction is to take place. Ecology cannot grant permit coverage sooner than the end of the 30-day public comment period, which begins on the date of the **second** public notice.

You may choose to use a system generated public notice and download it below. If not, you need to upload the public notice used.

- (•) I will use the system generated public notice document
- ( ) I will upload my own public notice

```
Tuusso Solar, LLC, Jason Evans, 500 Yale Ave N Seattle, WA 98109, is seeking coverage
under the Washington State Department of Ecology's Construction Stormwater NPDES and
State Waste Discharge General Permit.
The proposed project, Typha Solar Project, is located at  TBD (Near 3401 S Thorp Hwy),
Ellensburg, WA 98926 in  in Kittitas county.
This project involves 38.56 acres of soil disturbance for Other (Photovoltaic solar panel
site) construction activities.
All discharges and runoff goes to ground water.
Any persons desiring to present their views to the Washington State Department of Ecology
regarding this Application, or interested in Ecology's action on this Application, may
notify Ecology in writing no later than 30 days of the last date of publication of this
notice. Ecology reviews public comments and considers whether discharges from this
project would cause a measurable change in receiving water quality, and, if so, whether
the project is necessary and in the overriding public interest according to Tier II
antidegradation requirements under WAC 173-201A-320.

Comments can be submitted to:
Department of Ecology
Attn: Water Quality Program, Construction Stormwater
P.O. Box 47696, Olympia, WA 98504-7696
```

Clicking the text will copy it to your clipboard, if allowed. Open notice in a new window for printing.

To add a public notice to your application, select the newspaper name and enter your public notice dates, then click on the "Add" link. If you do not click the "Add" link, the public notice entry will be lost.

Note: This system does not publish your public notice in the newspaper for you. You must submit your public notice text to your selected newspaper.

Newspaper Name	First Notice	Second Notice	Action
Ellensburg - Daily Record ▼	*	**	Add

* First notice date is required.
** Second notice date is required.

SECTION 9. QUESTIONS

For Questions...

Please contact the following staff per your construction site's location.

If your construction site is located in:	Contact the following staff:
City of Seattle, Kitsap, Pierce, or Thurston County	Josh Klimek 360-407-7451 josh.klimek@ecy.wa.gov
Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Skagit, Snohomish, Spokane, Stevens, Walla Walla, Whatcom, or Whitman County	Shawn Hopkins 360-407-6442 shawn.hopkins@ecy.wa.gov
Benton, Chelan, Clallam, Clark, Cowlitz, Douglas, Grays Harbor, Jefferson, Kittitas, Klickitat, Lewis, Mason, Okanogan, Pacific, Skamania, Wahkiakum, or Yakima County	Joyce Smith 360-407-6858 joyce.smith@ecy.wa.gov
Island, King, or San Juan County	RaChelle Stane 360-407-6556 rachelle.stane@ecy.wa.gov

Tuusso Solar, LLC, Jason Evans, 500 Yale Ave N Seattle, WA 98109, is seeking coverage under the Washington State Department of Ecology's Construction Stormwater NPDES and State Waste Discharge General Permit.

The proposed project, Typha Solar Project, is located at TBD (Near 3401 S Thorp Hwy), Ellensburg, WA 98926 in in Kittitas county.

This project involves 38.56 acres of soil disturbance for Other (Solar Panel Farm) construction activities.

All discharges and runoff goes to ground water.

Any persons desiring to present their views to the Washington State Department of Ecology regarding this application, or interested in Ecology's action on this application, may notify Ecology in writing no later than 30 days of the last date of publication of this notice. Ecology reviews public comments and considers whether discharges from this project would cause a measurable change in receiving water quality, and, if so, whether the project is necessary and in the overriding public interest according to Tier II antidegradation requirements under WAC 173-201A-320.

Comments can be submitted to:

Department of Ecology

Attn: Water Quality Program, Construction Stormwater

P.O. Box 47696, Olympia, WA 98504-7696

Construction Stormwater General Permit

Stormwater Pollution Prevention Plan (SWPPP)

for

Tuusso Energy: Typha Solar Project

Prepared for:

The Washington State Department of Ecology

Central Regional Office

Permittee / Owner	Developer	Operator / Contractor
Tuusso Energy LLC	Jason Evans	TBD

TBD (Near 3401 S Thorp HW), Ellensburg, WA 98926

Certified Erosion and Sediment Control Lead (CESCL)

Name	Organization	Contact Phone Number
TBD	TBD	TBD

SWPPP Prepared By

Name	Organization	Contact Phone Number
Sarah Foster, EI	Encompass Engineering & Surveying	(509)-674-7433

SWPPP Preparation Date

July 28, 2017

Project Construction Dates

Activity / Phase	Start Date	End Date
Phase 1	4/1/2018	10/31/2018

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List of Acronyms and Abbreviations

Acronym / Abbreviation	Explanation
303(d)	Section of the Clean Water Act pertaining to Impaired Waterbodies
BFO	Bellingham Field Office of the Department of Ecology
BMP(s)	Best Management Practice(s)
CESCL	Certified Erosion and Sediment Control Lead
CO_2	Carbon Dioxide
CRO	Central Regional Office of the Department of Ecology
CSWGP	Construction Stormwater General Permit
CWA	Clean Water Act
DMR	Discharge Monitoring Report
DO	Dissolved Oxygen
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
ERO	Eastern Regional Office of the Department of Ecology
ERTS	Environmental Report Tracking System
ESC	Erosion and Sediment Control
GULD	General Use Level Designation
NPDES	National Pollutant Discharge Elimination System
NTU	Nephelometric Turbidity Units
NWRO	Northwest Regional Office of the Department of Ecology
pH	Power of Hydrogen
RCW	Revised Code of Washington
SPCC	Spill Prevention, Control, and Countermeasure
su	Standard Units
SWMMEW	Stormwater Management Manual for Eastern Washington
SWMMWW	Stormwater Management Manual for Western Washington
SWPPP	Stormwater Pollution Prevention Plan
TESC	Temporary Erosion and Sediment Control
SWRO	Southwest Regional Office of the Department of Ecology
TMDL	Total Maximum Daily Load
VFO	Vancouver Field Office of the Department of Ecology
WAC	Washington Administrative Code
WSDOT	Washington Department of Transportation
WWHM	Western Washington Hydrology Model

1 Project Information

Project/Site Name: Typha Solar Project
Street/Location: TBD (near 3401 S Thorp HW)
City: Ellensburg State: WA Zip code: 98926
Subdivision: NA
Receiving waterbody: Existing irrigation network

1.1 Existing Conditions

Total acreage (including support activities such as off-site equipment staging yards, material storage areas, borrow areas).

Total acreage:	56.14
Disturbed acreage:	38.56
Existing structures:	0
Landscape topography:	Gently sloped range/grassland toward the southeast in the southern portion of the site and towards the east in the northern portion of the site.
Drainage patterns:	Northern portion of the site flows to the east. The southern portion of the site flows to the south into existing irrigation ditch.
Existing Vegetation:	Majority range/grassland.
Critical Areas (wetlands, streams, high erosion risk, steep or difficult to stabilize slopes):	Northern and Eastern portions of the side are within the 500-yr floodplain, with a small amount in the 100-yr floodplain. A drainage ditch runs along the southern boundary of the site, towards the east.

List of known impairments for 303(d) listed or Total Maximum Daily Load (TMDL) for the receiving waterbody: None

Table 1 includes a list of suspected and/or known contaminants associated with the construction activity.

No known contamination on site or associated with construction activity.

Table 1 – Summary of Site Pollutant Constituents

Constituent (Pollutant)	Location	Depth	Concentration
NA	NA	NA	NA

1.2 Proposed Construction Activities

Description of site development (example: subdivision):
Photovoltaic solar facility project site with all weather-access roads, inverter stations, and modular trackers with solar panels

Description of construction activities (example: site preparation, demolition, excavation):

1. Pre-construction meeting
2. Grade and install construction entrance
3. Install perimeter protection
4. Grade and stabilize construction roads
5. Install vibratory driven H piles for wide flange steel beams
6. Install electrical underground and mechanical trackers
7. Install panels
8. Perform any required site restoration

Description of site drainage including flow from and onto adjacent properties. Must be consistent with Site Map in Appendix A:
Flows from the site will flow east into an existing drainage ditch. It will eventually be outletted into an existing irrigation network.

Description of final stabilization (example: extent of revegetation, paving, landscaping):
The site will be revegetated with native vegetation.

Contaminated Site Information:
Proposed activities regarding contaminated soils or groundwater (example: on-site treatment system, authorized sanitary sewer discharge):
No contamination is known to be on site.

2 Construction Stormwater Best Management Practices (BMPs)

The SWPPP is a living document reflecting current conditions and changes throughout the life of the project. These changes may be informal (i.e., hand-written notes and deletions). Update the SWPPP when the CESCL has noted a deficiency in BMPs or deviation from original design.

2.1 The 13 Elements

2.1.1 Element 1: Preserve Vegetation / Mark Clearing Limits

List and describe BMPs:

BMP C101: Preserving Natural Vegetation

Natural vegetation will be preserved along the onsite wetlands that run through the middle of the site, as well as along the drainage ditch along the southern boundary of the site.

BMP C102: Buffer Zones

Buffer zones will be established at the limits of the proposed facility to protect existing wetlands and relieve downstream impacts. Existing vegetation will be maintained within the buffer zones throughout construction.

Installation Schedules: TBD

Inspection and Maintenance plan: TBD

Responsible Staff: TBD

2.1.2 Element 2: Establish Construction Access

List and describe BMP's:

BMP C105 – Stabilized Construction Entrance

A single, stabilized construction entrance will be provided at the end of the existing shared access road off of S Thorp HWY, where vehicles will be entering/exiting, in order to prevent tracking out from the site.

Installation Schedules: TBD

Inspection and Maintenance plan: TBD

Responsible Staff: TBD

2.1.3 Element 3: Control Flow Rates

Will you construct stormwater retention and/or detention facilities?
☐ Yes ☒ No

Will you use permanent infiltration ponds or other low impact development (example: rain gardens, bio-retention, porous pavement) to control flow during construction?
☐ Yes ☒ No

Project will not impair or alter downstream conveyance systems. Full dispersion on site will be used to account for increased flows due to proposed impervious areas. Per Chapter 2.2.6 of the SWMMEW there are exemptions for new development when flow control is not required as long as certain conditions are met. Per exemption 1, “Any project able to disperse, without discharging to surface waters, the total 25-year runoff volume for the proposed development condition” is exempt from meeting the flow control requirements. The Typha project will use full dispersion as the main way to handle increased flows due to impervious areas. As outlined in SWMMEW Chapter 6.5, BMP F6.42, full dispersion allows up to 10% of the site that is impervious to be characterized as non-effective impervious area by dispersing runoff into the native vegetation area. On the Typha site, the impervious areas may conservatively make up to 2.5% of the site while the rest of the site maintains plantings similar to existing vegetation. This is under the 10% threshold, making full dispersion a viable option.

List and describe BMPs:

BMP F6.42- Full dispersion: Runoff from impervious areas within the site will be dispersed within the site utilizing the native vegetation.

BMP C102 – Buffer Zones (See Element 1)

BMP C233 – Silt Fence will also control flow rates from the site during construction (See Element 4).

Installation Schedules: TBD

Inspection and Maintenance plan: TBD

Responsible Staff: TBD

2.1.4 Element 4: Install Sediment Controls

BMP C233- Silt Fence: Silt Fence will surround the site at all areas downslope of all disturbed areas and will be placed upslope of any existing water bodies and wetlands. The silt fence will also serve to mark the clearing limits per Element 1 above.

Installation Schedules: TBD

Inspection and Maintenance plan: TBD

Responsible Staff: TBD

2.1.5 Element 5: Stabilize Soils

The Central Basin*, East of the Cascade Mountain Crest

Season	Dates	Number of Days Soils Can be Left Exposed
During the Dry Season	July 1 – September 30	30 days
During the Wet Season	October 1 – June 30	15 days

*Note: The Central Basin is defined as the portions of Eastern Washington with mean annual precipitation of less than 12 inches.

Soils must be stabilized at the end of the shift before a holiday or weekend if needed based on the weather forecast.

Anticipated project dates: Start date: 4/1/2018 End date: 10/31/2018

Will you construct during the wet season?
☒ Yes ☐ No

BMP C123- Plastic Covering: Plastic covering will be used as necessary to protect any soil stockpiles that are produced from construction activity.

Installation Schedules: TBD

Inspection and Maintenance plan: TBD

Responsible Staff: TBD

2.1.6 Element 6: Protect Slopes

Will steep slopes be present at the site during construction?
☐ Yes ☒ No
The site is relatively flat and is not expected to require protection for slopes.

List and describe BMPs: None

Installation Schedules: NA

Inspection and Maintenance plan: NA

Responsible Staff: NA

2.1.7 Element 7: Protect Drain Inlets

There are no storm drain inlets on the site

List and describe BMPs: None

Installation Schedules: NA

Inspection and Maintenance plan: NA

Responsible Staff: NA

2.1.8 Element 8: Stabilize Channels and Outlets

Provide stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes, and downstream reaches, will be installed at the outlets of all conveyance systems.

As mentioned previously in Element 3, full dispersion will be in effect at the project site and off-site runoff will be minimal. Due to this there will be no on-site conveyance channels or outlets to account for.

List and describe BMPs: None

Installation Schedules: NA

Inspection and Maintenance plan: NA

Responsible Staff: NA

2.1.9 Element 9: Control Pollutants

The following pollutants are anticipated to be present on-site: No known pollutants

Table 2 – Pollutants

Pollutant (List pollutants and source, if applicable)
NA

List and describe BMPs: None

Installation Schedules: NA

Inspection and Maintenance plan: NA

Responsible Staff: NA

Will maintenance, fueling, and/or repair of heavy equipment and vehicles occur on-site?
☒ Yes ☐ No

Contractor is required to keep a spill kit on site and use spill prevention measures throughout the construction process, in order to address any potential fuel spills or equipment breakdowns.

List and describe BMPs: None

Installation Schedules: NA

Inspection and Maintenance plan: NA

Responsible Staff: NA

Will wheel wash or tire bath system BMPs be used during construction?
☐ Yes ☒ No

List and describe BMPs: Wheel wash is not proposed at this time; however, if construction activities are such that sediment may be tracked with tires off-site a wheel wash will be used and any wastewater generated would be disposed at a local permitted facility.

Installation Schedules: NA

Inspection and Maintenance plan: NA

Responsible Staff: NA

Will pH-modifying sources be present on-site?
☐ Yes ☒ No

Table 3 – pH-Modifying Sources

☒	None
☐	Bulk cement
☐	Cement kiln dust
☐	Fly ash
☐	Other cementitious materials
☐	New concrete washing or curing waters
☐	Waste streams generated from concrete grinding and sawing
☐	Exposed aggregate processes
☐	Dewatering concrete vaults
☐	Concrete pumping and mixer washout waters
☐	Recycled concrete
☐	Recycled concrete stockpiles
☐	Other (i.e., calcium lignosulfate) [please describe:]

List and describe BMPs: None

Installation Schedules: NA

Inspection and Maintenance plan: NA

Responsible Staff: NA

Concrete trucks must not be washed out onto the ground, or into storm drains, open ditches, streets, or streams. Excess concrete must not be dumped on-site, except in designated concrete washout areas with appropriate BMPs installed.

Will uncontaminated water from water-only based shaft drilling for construction of building, road, and bridge foundations be infiltrated provided the wastewater is managed in a way that prohibits discharge to surface waters?
☐ Yes ☒ No

List and describe BMPs: None

Installation Schedules: NA

Inspection and Maintenance plan: NA

Responsible Staff: NA

2.1.10 Element 10: Control Dewatering

No dewatering is proposed or expected to occur as part of this project.

Table 4 – Dewatering BMPs

☐	Infiltration
☐	Transport off-site in a vehicle (vacuum truck for legal disposal)
☐	Ecology-approved on-site chemical treatment or other suitable treatment technologies
☐	Sanitary or combined sewer discharge with local sewer district approval (last resort)
☐	Use of sedimentation bag with discharge to ditch or swale (small volumes of localized dewatering)

List and describe BMPs: None

Installation Schedules: NA

Inspection and Maintenance plan: NA

Responsible Staff: NA

2.1.11 Element 11: Maintain BMPs

All temporary and permanent Erosion and Sediment Control (ESC) BMPs shall be maintained and repaired as needed to ensure continued performance of their intended function.

Maintenance and repair shall be conducted in accordance with each particular BMP specification (see *Volume II of the SWMMWW or Chapter 7 of the SWMMEW*).

Visual monitoring of all BMPs installed at the site will be conducted at least once every calendar week and within 24 hours of any stormwater or non-stormwater discharge from the site. If the site becomes inactive and is temporarily stabilized, the inspection frequency may be reduced to once every calendar month.

All temporary ESC BMPs shall be removed within 30 days after final site stabilization is achieved or after the temporary BMPs are no longer needed.

Trapped sediment shall be stabilized on-site or removed. Disturbed soil resulting from removal of either BMPs or vegetation shall be permanently stabilized.

Additionally, protection must be provided for all BMPs installed for the permanent control of stormwater from sediment and compaction. BMPs that are to remain in place following completion of construction shall be examined and restored to full operating condition. If sediment enters these BMPs during construction, the sediment shall be removed and the facility shall be returned to conditions specified in the construction documents.

2.1.12 Element 12: Manage the Project

The project will be managed based on the following principles:

- Projects will be phased to the maximum extent practicable and seasonal work limitations will be taken into account.
- Inspection and monitoring:
    - Inspection, maintenance and repair of all BMPs will occur as needed to ensure performance of their intended function.
    - Site inspections and monitoring will be conducted in accordance with Special Condition S4 of the CSWGP. Sampling locations are indicated on the Site Map. Sampling station(s) are located in accordance with applicable requirements of the CSWGP.
- Maintain an updated SWPPP.
    - The SWPPP will be updated, maintained, and implemented in accordance with Special Conditions S3, S4, and S9 of the CSWGP.

As site work progresses the SWPPP will be modified routinely to reflect changing site conditions. The SWPPP will be reviewed monthly to ensure the content is current.

Table 5 – Management

☒	Design the project to fit the existing topography, soils, and drainage patterns
☒	Emphasize erosion control rather than sediment control
☒	Minimize the extent and duration of the area exposed
☒	Keep runoff velocities low
☒	Retain sediment on-site

☒	Thoroughly monitor site and maintain all ESC measures
☐	Schedule major earthwork during the dry season
☐	Other (please describe)

2.1.13 Element 13: Protect Low Impact Development (LID) BMPs

There are no existing or proposed LID facilities associated with the project site. Buffer zones will be established during construction to protect the on-site wetlands.

3 Pollution Prevention Team

Table 7 – Team Information

Title	Name(s)	Phone Number
Certified Erosion and Sediment Control Lead (CESCL)	TBD	TBD
Resident Engineer	TBD	TBD
Emergency Ecology Contact	TBD	TBD
Emergency Permittee/ Owner Contact	TBD	TBD
Non-Emergency Owner Contact	TBD	TBTD
Monitoring Personnel	TBD	TBD
Ecology Regional Office	Central Regional Office	(509)-575-2490

4 Monitoring and Sampling Requirements

Monitoring includes visual inspection, sampling for water quality parameters of concern, and documentation of the inspection and sampling findings in a site log book. A site log book will be maintained for all on-site construction activities and will include:

- A record of the implementation of the SWPPP and other permit requirements
- Site inspections
- Stormwater sampling data

File a blank form under Appendix D.

The site log book must be maintained on-site within reasonable access to the site and be made available upon request to Ecology or the local jurisdiction.

Numeric effluent limits may be required for certain discharges to 303(d) listed waterbodies. See CSWGP Special Condition S8 and Section 5 of this template.

4.1 Site Inspection

Site inspections will be conducted at least once every calendar week and within 24 hours following any discharge from the site. For sites that are temporarily stabilized and inactive, the required frequency is reduced to once per calendar month.

The discharge point(s) are indicated on the Site Map (see Appendix A) and in accordance with the applicable requirements of the CSWGP.

4.2 Stormwater Quality Sampling

4.2.1 Turbidity Sampling

Requirements include calibrated turbidity meter or transparency tube to sample site discharges for compliance with the CSWGP. Sampling will be conducted at all discharge points at least once per calendar week.

Method for sampling turbidity:

Table 8 – Turbidity Sampling Method

☒	Turbidity Meter/Turbidimeter (required for disturbances 5 acres or greater in size)
☐	Transparency Tube (option for disturbances less than 1 acre and up to 5 acres in size)

The benchmark for turbidity value is 25 nephelometric turbidity units (NTU) and a transparency less than 33 centimeters.

If the discharge's turbidity is 26 to 249 NTU **or** the transparency is less than 33 cm but equal to or greater than 6 cm, the following steps will be conducted:

1. Review the SWPPP for compliance with Special Condition S9. Make appropriate revisions within 7 days of the date the discharge exceeded the benchmark.

2. Immediately begin the process to fully implement and maintain appropriate source control and/or treatment BMPs as soon as possible. Address the problems within 10 days of the date the discharge exceeded the benchmark. If installation of necessary treatment BMPs is not feasible within 10 days, Ecology may approve additional time when the Permittee requests an extension within the initial 10-day response period.
3. Document BMP implementation and maintenance in the site log book.

If the turbidity exceeds 250 NTU **or** the transparency is 6 cm or less at any time, the following steps will be conducted:

1. Telephone or submit an electronic report to the applicable Ecology Region's Environmental Report Tracking System (ERTS) within 24 hours.
    - **Central Region** (Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima): (509) 575-2490 or http://www.ecy.wa.gov/programs/spills/forms/nerts_online/CRO_nerts_online.html
    - **Eastern Region** (Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman): (509) 329-3400 or http://www.ecy.wa.gov/programs/spills/forms/nerts_online/ERO_nerts_online.html
    - **Northwest Region** (King, Kitsap, Island, San Juan, Skagit, Snohomish, Whatcom): (425) 649-7000 or http://www.ecy.wa.gov/programs/spills/forms/nerts_online/NWRO_nerts_online.html
    - **Southwest Region** (Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum,): (360) 407-6300 or http://www.ecy.wa.gov/programs/spills/forms/nerts_online/SWRO_nerts_online.html
2. Immediately begin the process to fully implement and maintain appropriate source control and/or treatment BMPs as soon as possible. Address the problems within 10 days of the date the discharge exceeded the benchmark. If installation of necessary treatment BMPs is not feasible within 10 days, Ecology may approve additional time when the Permittee requests an extension within the initial 10-day response period
3. Document BMP implementation and maintenance in the site log book.
4. Continue to sample discharges daily until one of the following is true:
    - Turbidity is 25 NTU (or lower).
    - Transparency is 33 cm (or greater).
    - Compliance with the water quality limit for turbidity is achieved.
        - 1 - 5 NTU over background turbidity, if background is less than 50 NTU
        - 1% - 10% over background turbidity, if background is 50 NTU or greater
    - The discharge stops or is eliminated.

4.2.2 pH Sampling

pH monitoring is required for “Significant concrete work” (i.e., greater than 1000 cubic yards poured concrete over the life of the project). The use of recycled concrete or engineered soils (soil amendments including but not limited to Portland cement-treated base [CTB], cement kiln dust [CKD] or fly ash) also requires pH monitoring.

For significant concrete work, pH sampling will start the first day concrete is poured and continue until it is cured, typically three (3) weeks after the last pour.

For engineered soils and recycled concrete, pH sampling begins when engineered soils or recycled concrete are first exposed to precipitation and continues until the area is fully stabilized.

If the measured pH is 8.5 or greater, the following measures will be taken:

1. Prevent high pH water from entering storm sewer systems or surface water.
2. Adjust or neutralize the high pH water to the range of 6.5 to 8.5 su using appropriate technology such as carbon dioxide (CO_2) sparging (liquid or dry ice).
3. Written approval will be obtained from Ecology prior to the use of chemical treatment other than CO_2 sparging or dry ice.

Method for sampling pH:None required

Table 9 – pH Sampling Method

☐	pH meter
☐	pH test kit
☐	Wide range pH indicator paper

5 Discharges to 303(d) or Total Maximum Daily Load (TMDL) Waterbodies

5.1 303(d) Listed Waterbodies

Is the receiving water 303(d) (Category 5) listed for turbidity, fine sediment, phosphorus, or pH?

☐ Yes ☒ No

List the impairment(s):

NA

5.2 TMDL Waterbodies

Waste Load Allocation for CWSGP discharges:

NA

List and describe BMPs:

NA

Discharges to TMDL receiving waterbodies will meet in-stream water quality criteria at the point of discharge.

The Construction Stormwater General Permit Proposed New Discharge to an Impaired Water Body form is included in Appendix F.

6 Reporting and Record Keeping

6.1 Record Keeping

6.1.1 Site Log Book

A site log book will be maintained for all on-site construction activities and will include:

- A record of the implementation of the SWPPP and other permit requirements
- Site inspections
- Sample logs

6.1.2 Records Retention

Records will be retained during the life of the project and for a minimum of three (3) years following the termination of permit coverage in accordance with Special Condition S5.C of the CSWGP.

Permit documentation to be retained on-site:

- CSWGP
- Permit Coverage Letter
- SWPPP
- Site Log Book

Permit documentation will be provided within 14 days of receipt of a written request from Ecology. A copy of the SWPPP or access to the SWPPP will be provided to the public when requested in writing in accordance with Special Condition S5.G.2.b of the CSWGP.

6.1.3 Updating the SWPPP

The SWPPP will be modified if:

- Found ineffective in eliminating or significantly minimizing pollutants in stormwater discharges from the site.
- There is a change in design, construction, operation, or maintenance at the construction site that has, or could have, a significant effect on the discharge of pollutants to waters of the State.

The SWPPP will be modified within seven (7) days if inspection(s) or investigation(s) determine additional or modified BMPs are necessary for compliance. An updated timeline for BMP implementation will be prepared.

6.2 Reporting

6.2.1 Discharge Monitoring Reports

Cumulative soil disturbance is one (1) acre or larger; therefore, Discharge Monitoring Reports (DMRs) will be submitted to Ecology monthly. If there was no discharge during a given monitoring period the DMR will be submitted as required, reporting “No Discharge”. The DMR due date is fifteen (15) days following the end of each calendar month.

DMRs will be reported online through Ecology's WQWebDMR System.

6.2.2 Notification of Noncompliance

If any of the terms and conditions of the permit is not met, and the resulting noncompliance may cause a threat to human health or the environment, the following actions will be taken:

1. Ecology will be notified within 24-hours of the failure to comply by calling the applicable Regional office ERTS phone number (Regional office numbers listed below).
2. Immediate action will be taken to prevent the discharge/pollution or otherwise stop or correct the noncompliance. If applicable, sampling and analysis of any noncompliance will be repeated immediately and the results submitted to Ecology within five (5) days of becoming aware of the violation.
3. A detailed written report describing the noncompliance will be submitted to Ecology within five (5) days, unless requested earlier by Ecology.

Anytime turbidity sampling indicates turbidity is 250 NTUs or greater, or water transparency is 6 cm or less, the Ecology Regional office will be notified by phone within 24 hours of analysis as required by Special Condition S5.A of the CSWGP.

- **Central Region** at (509) 575-2490 for Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, or Yakima County
- **Eastern Region** at (509) 329-3400 for Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, or Whitman County
- **Northwest Region** at (425) 649-7000 for Island, King, Kitsap, San Juan, Skagit, Snohomish, or Whatcom County
- **Southwest Region** at (360) 407-6300 for Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, or Wahkiakum

Include the following information:

1. Your name and / Phone number
2. Permit number
3. City / County of project
4. Sample results
5. Date / Time of call
6. Date / Time of sample
7. Project name

In accordance with Special Condition S4.D.5.b of the CSWGP, the Ecology Regional office will be notified if chemical treatment other than CO_2 sparging is planned for adjustment of high pH water.

Please see Page G-3-35 for shared SWPPP Appendices

KITTITAS COUNTY COMMUNITY DEVELOPMENT SERVICES
411 N. Ruby St., Suite 2, Ellensburg, WA 98926
CDS@CO.KITTITAS.WA.US
Office (509) 962-7506
Fax (509) 962-7682
"Building Partnerships – Building Communities"

SHORELINE PERMITTING

(For projects located within 200 feet of a body of water and/or associated floodway and wetlands under the jurisdiction of the Shoreline Master Program)

*A **preapplication conference is REQUIRED** per KCC 15A.03.020 for this permit. The more information the County has early in the development process, the easier it is to identify and work through issues and conduct an efficient review. To schedule a preapplication conference, complete and submit a Preapplication Conference Scheduling Form to CDS. Notes or summaries from preapplication conference should be included with this application.*

REQUIRED INFORMATION /ATTACHMENTS

- ❑ A scaled site plan is required showing location of all structures, driveways, well, septic, fences, etc. and proposed uses and distances from property lines, river, and Horizontal distance from OHWM. To show the Horizontal distance a profile view from the OHWM to the edge of structure/activity shall also be shown.
- ❑ Include JARPA or HPA forms *if required* for your project by a state or federal agency.

Please check the box next to the most restrictive type of shoreline permit you are requesting:

- ☐ Shoreline Substantial Development Permit (**Fee:** CDS: $2,165 + SEPA, if not exempt: $670 (CDS: $600, PW: $70))
- ☑ Shoreline Conditional Use Permit (**Fee:** CDS: $4,020 + SEPA, if not exempt: $670 (CDS: $600, PW: $70))
- ☐ Shoreline Variance (**Fee:** $4,020 + SEPA, if not exempt: $670 (CDS: $600, PW: $70))

APPLICATION FEES:

(see above)	Kittitas County Community Development Services (KCCDS)
(see above)	Kittitas County Department of Public Works
(see above)	**Total fees due for this application** (One check made payable to KCCDS)

FOR STAFF USE ONLY

Application Received By (CDS Staff Signature): _____ DATE: _____ RECEIPT # _____

DATE STAMP IN BOX

General Application Information

1. **Name, mailing address and day phone of land owner(s) of record:**
   Landowner(s) signature(s) required on application form.

   Name: Douglas Dicken

   Mailing Address: P.O. Box 1201

   City/State/ZIP: Ellensburg, WA 98926

   Day Time Phone: 509-859-2740

   Email Address: _____

2. **Name, mailing address and day phone of authorized agent, if different from landowner of record:**
   If an authorized agent is indicated, then the authorized agent's signature is required for application submittal.

   Agent Name: Jason Evans

   Mailing Address: 500 Yale Avenue North

   City/State/ZIP: Seattle, WA 98109

   Day Time Phone: 206-303-0198

   Email Address: jason.evans@tuusso.com

3. **Name, mailing address and day phone of other contact person**
   If different than land owner or authorized agent.

   Name: Timothy McMahan, Stoel Rives LLP

   Mailing Address: 760 SW Ninth Avenue, Suite 3000

   City/State/ZIP: Portland, OR 97205

   Day Time Phone: 503-294-9517

   Email Address: tim.mcmahan@stoel.com

4. **Street address of property:**

   Address: 3401 S. Thorpe Highway

   City/State/ZIP: Ellensburg, WA 98926

5. **Legal description of property: (attach additional sheets as necessary)**
   ~~See additional attachment.~~

6. **Tax parcel number(s):** 712633 and 752633

7. **Property size:** 54.29 **(acres)**

8. **Provide section, township, and range of project location:**
   ¼ Section _____ Section 30 **Township** 18 **N. Range** 18 **E., W.M.**

9. **Latitude and longitude coordinates of project location (e.g. 47.03922 N lat. / -122.89142 W long.):**
47.026053 N lat. / -120.626976 W long. **[use decimal degrees – NAD 83]**

10. **Type of Ownership: (check all that apply)**

❘■ Private ❑ Federal ❑ State ❑ Local ❑ Tribal

11. **Land Use Information:**

Zoning: Commercial Agriculture Comp Plan Land Use Designation: Commercial Agriculture

12. **Shoreline Designation: (check all that apply)**

❑ Urban Conservancy ❑ Shoreline Residential ❘■ Rural Conservancy

❑ Natural ❑ Aquatic

13. **Type of Shoreline Permit(s) requested (check all that apply):**

a. **Shoreline Substantial Development Permit will always be required unless proposal meets an exemption per WAC 173-27-040.**

❘■ Shoreline Substantial Development Permit; or
❑ Shoreline Exemption Permit (see Shoreline Exemption Permit application)

b. **Only check one or both of the boxes below if they are applicable.**

❘■ Shoreline Conditional Use Permit
**must answer question 32. a.-h. below.*
❑ Shoreline Variance
**must answer questions 33. a.-g. and 34. a.-b. (if applicable) below.*

14. **Fair Market Value of the project, including materials, labor, machine rentals, etc.** $8-10 million

15. **Anticipated start and end dates of project construction: Start** April 2018 **End** November 2018

Project Description

16. **Briefly summarize the purpose of the project:**
~~See additional attached sheet.~~

17. **What is the primary use of the project (e.g. Residential, Commercial, Public, Recreation)?**
Commercial.

18. **What is the specific use of the project (e.g. single family home, subdivision, boat launch, restoration project)?**
Solar generation facility.

Vegetation

19. **Will the project result in clearing of tree or shrub canopy? (check one)**

❑ Yes ❘■ No

If 'Yes', how much clearing will occur? N/A **(square feet and acres)**

20. Will the project result in re-vegetation of tree or shrub canopy? (check one)

❑ Yes ■ No

If 'Yes', how much re-vegetation will occur? N/A **(square feet and acres)**

Wetlands

21. Will the project result in wetland impacts? (check one)

■ Yes ❑ No

If 'Yes', how much wetland will be permanently impacted? 0.01 acre **(square feet and acres)**

22. Will the project result in wetland restoration? (check one)

❑ Yes ■ No

If 'Yes', how much wetland will be restored? N/A **(square feet and acres)**

Impervious Surfaces

23. Will the project result in creation of over 500 square feet of impervious surfaces? (check one)

■ Yes ❑ No

If 'Yes', how much impervious surface will be created? 1.40 acres **(square feet and acres)**

24. Will the project result in removal of impervious surfaces? (check one)

❑ Yes ■ No

If 'Yes', how much impervious surface will be removed? N/A **(square feet and acres)**

Shoreline Stabilization

25. Will the project result in creation of structural shoreline stabilization structures (revetment/bulkhead/riprap)?

(Check one) ❑ Yes ■ No

If 'Yes', what is the net linear feet of stabilization structures that will be created? N/A

26. Will the project result in removal of structural shoreline stabilization structures (revetment/bulkhead/riprap)?

(Check one) ❑ Yes ■ No

If 'Yes', what is the net linear feet of stabilization structures that will be removed? N/A

Levees/Dikes

27. Will the project result in creation, removal, or relocation (setting back) of levees/dikes?

(check one) ❑ Yes ■ No

If 'Yes', what is the net linear feet of levees/dikes that will be created? N/A

If 'Yes', what is the net linear feet of levees/dikes that will be permanently removed? N/A

If 'Yes', what is the linear feet of levees/dikes that will be reconstructed at a location further from the OHWM? N/A

Floodplain Development

28. Will the project result in development within the floodplain? (check one)

❑ Yes ■ No

If 'Yes', what is the net square feet of structures to be constructed in the floodplain? N/A
Note: A floodplain development is required per KCC 14.08; please contact Kittitas County Public Works

29. Will the project result in removal of existing structures within the floodplain? (check one)

❑ Yes ■ No

If 'Yes', what is the net square footage of structures to be removed from the floodplain? N/A

Overwater Structures

30. Will the project result in construction of an overwater dock, pier, or float? (check one)

❑ Yes ■ No

If 'Yes', how many overwater structures will be constructed? N/A

What is the net square footage of water-shading surfaces that will be created? N/A

31. Will the project result in removal of an overwater dock, pier, or float? (check one)

❑ Yes ■ No

If 'Yes', how many overwater structures will be removed? N/A

What is the net square footage of water-shading surfaces that will be removed? N/A

Shoreline Conditional Use Permit
(answer ONLY if requesting this permit)

Must demonstrate your proposal meets all of the following per Kittitas County Shoreline Master Program (SMP):

32. Answer the following questions on a separate sheet and attach to this application packet.

a. **That the proposed use is consistent with the policies of RCW 90.58.020 and the Master Program;**
b. **That the proposed use will not interfere with the normal public use of public shorelines;**
c. **That the proposed use of the site and design of the project is compatible with other authorized uses within the area and with uses planned for the area under the comprehensive plan and SMP;**
d. **That the proposed use will cause no significant adverse effects to the shoreline environment in which it is to be located;**
e. **That the public interest suffers no substantial detrimental effect;**
f. **That if conditional use permits were granted for other developments in the area where similar circumstances exist, the cumulative impact of such uses would remain consistent with the policies of RCW 90.58.020 and not produce substantial adverse effects to the shoreline environment.**
g. **That the proposed use has been appropriately conditioned to prevent undesirable effects of the proposed use and to assure consistency of the project with the Act and the local Master Program.**
h. **When converting from one nonconforming use to a different nonconforming use, the applicant must demonstrate that no reasonable alternative conforming use is practical and that the proposed use will be at least as consistent with the policies and provisions of the Act and the Master Program and as compatible with the uses in the area as the pre-existing use.**

Shoreline Variance

(answer ONLY if requesting this permit)

Must demonstrate with your proposal that extraordinary circumstances exist and that the public interest shall suffer no substantial detrimental effect:

33. Answer the following questions on a separate sheet and attach to this application packet. This section is for variances requested landward of the OHWM and/or landward of any wetland.

- **a. That the strict application of the bulk, dimensional or performance standards set forth in the applicable Master Program precludes, or significantly interferes with, reasonable use of the property;**
- **b. That the hardship is specifically related to the property, and is the result of unique conditions such as irregular lot shape, size, or natural features and the application of the Master Program, and not, for example, form deed restrictions or the applicant's own actions;**
- **c. That the design of the project is compatible with other authorized uses within the area and with uses planned for the area under the comprehensive plan and SMP and will not cause adverse impacts to the shoreline environment;**
- **d. That the variance will not constitute a grant of special privilege not enjoyed by the other properties in the area;**
- **e. That the variance requested is the minimum necessary to afford relief;**
- **f. That the public interest will suffer no substantial detrimental effect; and**
- **g. That the cumulative impact of additional request for variances in the area where similar circumstances exist would not produce substantial adverse effects to the shoreline environment.**

34. Answer the following questions on a separate sheet and attach to this application packet. This section is, required to be answered in addition to question 33 above, for variances requested for uses and/or development that will be located waterward of the OHWM.

- **a. That the strict application of the bulk, dimensional or performance standards set forth in the applicable Master Program precludes all reasonable use of the property; and**
- **b. That the public rights of navigation and use of the shorelines will not be adversely affected.**

Summary/Conclusion

35. Will the proposed use be consistent with the policies of RCW 90.58.020 and the Kittitas County Shoreline Master Program? (attach additional sheets if necessary)

❑ Yes ❑ No

Please explain:

~~See additional attached sheets.~~

36. Provide any additional information needed to verify the project's impacts to shoreline ecological functions: (attach additional sheets and relevant reports as necessary)

~~See attached JARPA for the Typha Solar Project.~~

Authorization

37. Application is hereby made for permit(s) to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. I hereby grant to the agencies to which this application is made, the right to enter the above-described location to inspect the proposed and or completed work.

All correspondence and notices will be transmitted to the Land Owner of Record and copies sent to the authorized agent or contact person, as applicable.

Signature of Authorized Agent: **Date:**
(REQUIRED if indicated on application)

X_____ _____

Signature of Land Owner of Record **Date:**
(Required for application submittal):

X_____ _____

TUUSSO Energy Typha Solar Project
Kittitas County Shoreline Conditional Use Permit

Attachment - Answer to Question 5

5. Legal description of property:

A TRACT OF LAND SITUATED IN THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 18 NORTH, RANGE 18 EAST, W.M., KITTITAS COUNTY, STATE OF WASHINGTON, WHICH IS BOUNDED BY A LINE DESCRIBED AS FOLLOWS:
COMMENCING AT THE NORTHWEST CORNER OF SAID NORTHEAST QUARTER; THENCE SOUTH 89°16'48" EAST ALONG THE NORTH BOUNDARY LINE OF SAID NORTHEAST QUARTER, 1314.14 FEET TO THE TRUE POINT OF BEGINNING OF SAID LINE;
THENCE CONTINUING SOUTH 89°16'48" EAST ALONG SAID NORTH BOUNDARY LINE, 1134.53 FEET;
THENCE SOUTH 05°04'50" EAST, 98.92 FEET;
THENCE SOUTH 14°06'00" EAST, 80.70 FEET;
THENCE SOUTH 08°58'08" EAST, 174.50 FEET;
THENCE SOUTH 19°32'43" EAST, 160.93 FEET;
THENCE SOUTH 15°40'01" EAST, 143.68 FEET;
THENCE SOUTH 20°06'14" EAST, 124.44 FEET TO A POINT ON THE EAST BOUNDARY LINE OF SAID NORTHEAST QUARTER;
THENCE SOUTH 00°52'11" EAST, ALONG THE EAST BOUNDARY LINE OF SAID NORTHEAST QUARTER, 1262.44 FEET;
THENCE SOUTH 63°35'36" WEST, 47.38 FEET;
THENCE SOUTH 69°41'30" WEST, 117.32 FEET;
THENCE SOUTH 69°54'58" WEST, 101.62 FEET;
THENCE SOUTH 83°42'43" WEST, 36.85 FEET;
THENCE NORTH 15°17'56" WEST, 24.03 FEET;
THENCE SOUTH 74°30'43" WEST, 56.36 FEET;
THENCE NORTH 74°37'20" WEST, 75.56 FEET;
THENCE NORTH 69°50'05" WEST, 53.25 FEET;
THENCE NORTH 60°06'51" WEST, 195.24 FEET;
THENCE NORTH 60°42'51" WEST, 100.56 FEET;
THENCE NORTH 55°37'02" WEST, 226.49 FEET;
THENCE NORTH 40°07'35" WEST, 65.17 FEET;
THENCE NORTH 36°07'05" WEST, 135.85 FEET;
THENCE NORTH 22°37'59" WEST, 58.56 FEET;
THENCE NORTH 51°24'40" WEST, 47.40 FEET;
THENCE NORTH 36°10'00" WEST, 75.75 FEET;
THENCE NORTH 34°20'25" WEST, 72.58 FEET;
THENCE NORTH 26°34'08" WEST, 60.13 FEET;
THENCE NORTH 04°10'07" WEST, 55.08 FEET;
THENCE NORTH 81°36'17" EAST, 30.19 FEET;
THENCE NORTH 04°17'30" EAST, 33.02 FEET;
THENCE NORTH 38°49'40" WEST, 25.43 FEET;
THENCE SOUTH 66°22'39" WEST, 53.58 FEET;
THENCE NORTH 30°46'47" WEST, 93.84 FEET;
THENCE NORTH 21°54'36" WEST, 39.86 FEET;
THENCE NORTH 14°45'26" EAST, 20.96 FEET;
THENCE SOUTH 89°23'14" WEST, 31.77 FEET TO A POINT ON THE WEST BOUNDARY LINE OF SAID EAST HALF OF SAID NORTHEAST QUARTER;
THENCE NORTH 00°36'46" WEST ALONG SAID WEST BOUNDARY LINE OF SAID EAST HALF OF SAID NORTHEAST QUARTER, TO A POINT ON THE NORTH LINE OF SAID NORTHEAST QUARTER, 1166.28 FEET TO THE TRUE POINT OF BEGINNING AND TERMINUS OF SAID LINE.
CONTAINS 54.29 ACRES.

TUUSSO Energy Typha Solar Project
Kittitas County Shoreline Conditional Use Permit

Attachment - Answers to Questions 16, 32, and 35

16. Briefly summarize the purpose of the project:

TUUSSO Energy, LLC (TUUSSO), is proposing to construct a new Typha Solar Project photovoltaic (PV) facility on approximately 54.29 acres of private agricultural land, including the construction of a switchyard with a short (0.45-mile-long) generation tie line into an existing Puget Sound Energy (PSE) distribution transmission line, located northwest of Ellensburg, in unincorporated Kittitas County, Washington. The Typha Solar Project is intended to provide up to 5 MW of solar energy to PSE for use within their service area.

32. Shoreline Conditional Use Permit Questions

Must demonstrate your proposal meets all of the following per Kittitas County Shoreline Master Program (SMP):

a. That the proposed use is consistent with the policies of RCW 90.58.020 and the Master Program.

TUUSSO proposes that the Energy Facility Site Evaluation Council (EFSEC) authorize the project pursuant to Revised Code of Washington (RCW) 80.50. KCC 17B.07.0030(I) provides that "any project with a certification from the governor pursuant to **RCW Chapter 80.50**" is exempt from shoreline permit requirements. The county's exemption is consistent with RCW 90.58.140(9).The Typha Solar Project site of the Columbia Solar Projects (Project) would be consistent with all of the policies specified in RCW 90.58.020, but is subject to EFSEC jurisdiction and authorization. Compliance with these policies is outlined below:

1. *Recognize and protect the statewide interest over local interest.*

   The proposed Project would meet the state interest of protecting the shoreline environment by minimizing adverse effects through project design, while also providing new renewable energy production to help PSE meet the clean energy requirements under Washington Administrative Code (WAC) 480-109.

2. *Preserve the natural character of the shoreline.*

   The proposed Project would overlap areas within the Shoreline of the State jurisdiction in two locations. The nearest project impact occurring within 200 feet of the Yakima River's ordinary high water mark (OHWM) would overlap this shoreline area by only 0.19 acre and would consist of fence installations located at least 144 feet from the OHWM of the Yakima River, with solar arrays proposed at least 154 feet from the OHWM of the Yakima River. The second area of overlap would be located at an existing access road crossing of wetland TW03, an associated wetland of the Yakima River that would be considered within Shoreline of the State jurisdiction, where a culvert replacement would result in approximately 0.01 acre of wetland fill. The vegetation adjacent to the Yakima River would not be altered, and the 0.19-acre area of the project within 200 feet of the Yakima River shoreline would be planted with low-growing native plant species. Therefore, the proposed Project would have minimal adverse effects on the shoreline of the Yakima River and would preserve the natural character of the shoreline.

3. *Result in long-term over short-term benefit.*

   The Kittitas County Shoreline Master Program (SMP) meets this requirement from RCW 90.58.020, and the proposed Project would meet all regulations and policies described in the Kittitas County SMP for utility generation facilities. The proposed Project would not adversely affect the long-term goals of the Kittitas County SMP or long-term land use.

4. *Protect the resources and ecology of the shoreline.*

   The proposed Project would overlap areas within the Shoreline of the State jurisdiction in two areas. The nearest project impact occurring within 200 feet of the Yakima River shoreline would overlap this shoreline area by only 0.19 acre and would consist of fence installations located at least 144 feet from the OHWM of the Yakima River and solar arrays located at least 154 feet from the OHWM of the Yakima River. The second area of overlap would be located at an existing access road crossing of wetland TW03, an associated wetland of the Yakima River that would be considered within Shoreline of the State jurisdiction, where a culvert replacement would result in approximately 0.01 acre of wetland fill. The Kittitas County SMP designates an area that overlaps approximately 6.61 acres of the proposed project area as part of the Shoreline of the State based on National Wetland Inventory (NWI) mapping; however, SWCA Environmental Consultants (SWCA) performed a professional wetland delineation throughout the entire site and found that wetlands associated with the Yakima River shoreline only occur in areas delineated as wetlands TW01, TW02, and TW03 (refer to the attached figure for exact locations). Both wetlands TW01 and TW02 would be avoided through project design, and impacts to wetland TW03 would be limited to only 0.01 acre for the proposed culvert replacement for site access. In addition, the proposed Project would plant native plant species within the project area and reduce the prevalence of non-native and invasive species. Therefore, the limited adverse effects would be minimal and would not substantially affect the ecology and resources of the Yakima River shoreline.

5. *Increase public access to publicly owned areas of the shorelines.*

   The proposed Project is located on private land that currently does not allow public access to the Yakima River shoreline. Therefore, public access to the shoreline of the Yakima River would not be affected by the proposed Project.

6. *Increase recreational opportunities for the public in the shoreline.*

   The proposed Project would not have any adverse or beneficial effects on recreational opportunities for the public along the shoreline of the Yakima River because the site currently does not allow public access to the shoreline of the Yakima River. Therefore, the proposed Project would not have any effects on the recreational opportunities for the public.

7. *Provide for any other element as defined in RCW 90.58.100 deemed appropriate or necessary.*

   The Kittitas County SMP has been approved by the Washington Department of Ecology (Ecology) and meets all of the elements defined in RCW 90.58.100. The Project would comply with the Kittitas County SMP, therefore meeting all of the elements defined in RCW 90.58.100.

The Project would be consistent with all of the policies specified in the Kittitas County SMP for utility generation facilities, which is a conditionally allowed land use in areas designated in the Kittitas County SMP as shorelines of the state, provided that the Project meets the following policies and applicable regulations in Section 6.19 of the Kittitas County SMP:

1. *New utility facilities should be located so as not to require extensive shoreline protection works.*

   The proposed Project would be located at least 144 feet from the OHWM of the Yakima River, the nearest shoreline. Less than 3% impervious surfaces would be added to the property, including less than 10 square feet (based on approximately 16 solar array footings of 6- by 8-inch cross-section) for solar array footings and less than 700 square feet for the access road fill within wetland TW03 in areas within Shoreline of the State jurisdiction. These areas and the overall project would not result in a substantial increase in runoff. No shoreline protection work is proposed nor would be necessary to stabilize the shoreline for project purposes.

2. *Utility facilities and corridors should be located so as to protect scenic views. Whenever possible, such facilities may be placed underground, or alongside or under bridges.*

   The location of the proposed Project is on private land located west of a segment of the Yakima River that is not visible from properties immediately to the west of the site. The solar arrays on the proposed site

would not exceed 8 feet in height and would not block any views of the Yakima River from adjoining properties. In addition, the associated generation tie line would be predominately located along existing power lines and would not substantially alter the current views nearby.

3. *Utility facilities and rights-of-way should be designed to preserve the natural landscape and to minimize conflicts with present and planned land uses.*

   Solar generation facilities are an allowed conditional use on lands zoned Commercial Agriculture. The Project would not negatively impact natural landscapes, and would not in any way impair the ongoing agricultural operations of adjacent and surrounding farms, nor would the Project cause or force any change in agricultural land use. The proposed Project would limit grading activities as much as possible, utilizing existing site contours with limited ground disturbance. The Project would operate under a maximum 41-year lease with the current landowner, after which the site may return to its current agricultural land use. In addition, the generation tie line would be located predominantly along existing distribution power lines and would not affect any existing land uses along its route.

4. *Section 6.19.B.12: Utility production and processing facilities shall be located outside shoreline jurisdiction unless no other feasible option exists. Where major facilities must be placed in a shoreline area, the location and design shall be chosen so as not to destroy or obstruct scenic views, and shall meet no-net-loss standards.*

   As noted above, as an EFSEC jurisdictional facility, the proposed Project is exempt from the Shoreline Management Act. While the Project will meet all provisions in the Kittitas County SMP concerning any potential impacts on the shoreline ecological environment, EFSEC will make determinations regarding the suitability of the use of this area for a solar PV generation facility. The proposed Project would require access to the property for construction and operation of the facility, which would require the replacement of an existing, non-functioning culvert at an existing access road crossing located in wetland TW03, an associated wetland of the Yakima River shoreline environment that falls under Shoreline of the State jurisdiction. The small area, 0.19 acre, of overlap between the Project site and the shoreline environment within 200 feet of the OHWM of the Yakima River would not destroy or obstruct scenic views of the Yakima River shoreline because of the private location of the property and topography of the surrounding landscape. In addition, the Project would meet the no-net-loss standards because the small areas of impact are either below the threshold for mitigation, in the case of the 0.01 acre of wetland fill, or would have a negligible impact with an improvement in vegetation quality, in case of the 0.19 acre at least 144 feet from the OHWM of the Yakima River. Therefore, the proposed Project meets the requirement for this project.

b. That the proposed use will not interfere with the normal public use of public shorelines.

The Project property does not currently provide public access to the Yakima River shoreline. In addition, no project activities would take place within 144 feet of the Yakima River shoreline. Therefore, regular public use of the Yakima River itself would not be affected by the proposed Project.

c. That the proposed use of the site and design of the project is compatible with other authorized uses within the area and with uses planned for the area under the comprehensive plan and SMP.

The proposed Project would be an allowed use under the Kittitas County Comprehensive Plan and would not affect the surrounding land uses. Surrounding land uses include commercial agriculture to the north and west, and commercial agriculture and rural residential zoning to the south, currently utilized as the Ellensburg Golf & Country Club. These surrounding land uses would not be adversely affected by the construction or operation of the Project.

d. That the proposed use will cause no significant adverse effects to the shoreline environment in which it is to be located.

The proposed Project would be located at least 144 feet from the Yakima River shoreline and would not alter the current environment, except for approximately 0.19 acre where the project area overlaps the shoreline environment within 200 feet of the OHWM of the Yakima River and 0.01 acre of fill in associated wetland TW03.

Currently, these areas of overlap are dominated by low-growing, non-native, and weedy herbaceous species and have previously been in agricultural production and are now actively grazed. The proposed Project activities in these areas would consist of fence installation, placement of solar arrays, replacement of an existing culvert, and reseeding native herbaceous species. These project actions would have minimal impacts to the shoreline environment and would not be likely to cause any long-term adverse effects on the local shoreline environment. The Project would be likely to benefit the shoreline environment within and immediately adjacent to the project area by reducing weedy species and increasing native species dominance. For these reasons, the Project would have no significant adverse effects on the shoreline environment.

e. That the public interest suffers no substantial detrimental effect.

There is currently no public access to the Yakima River through the Typha Solar Project property, and the proposed Project would not alter any of the land uses or public accessibility of the surrounding properties or along the public shoreline of the Yakima River. Therefore, the Project would have no effect on the public interest.

f. That if conditional use permits were granted for other developments in the area where similar circumstances exist, the cumulative impact of such uses would remain consistent with the policies of RCW 90.58.020 and not produce substantial adverse effects to the shoreline environment.

The proposed Project is an allowed use of the subject property and would have minimal adverse effects on the shoreline environment. The shoreline environment overlaps the project area by 0.19 acre at least 144 feet from the OHWM of the Yakima River, which would have very minimal adverse effects on the shoreline environment. The wetlands associated with the shoreline of the state would be entirely avoided through project design, except for approximately 0.01 acre of wetland fill associated with a culvert replacement for site access in wetland TW03; refer to the attached figure for exact location. The proposed Project poses minimal adverse effects on the shoreline environment. If similar projects were implemented on private land in the area with similar effects to shorelines of the state and their associated wetlands, then the cumulative effects of the projects on the shoreline environment would remain consistent with the policies of RCW 90.58.020 and would not produce substantial adverse effects to the shoreline environment.

g. That the proposed use has been appropriately conditioned to prevent undesirable effects of the proposed use and to assure consistency of the project with the Act and the local Master Program.

The proposed Project has been designed to reduce potential adverse effects on the shoreline environment to the extent possible. Overall, the Project would have no substantial adverse effects on the shoreline environment or surrounding land uses and would be consistent with the policies and regulations for conditionally permitted uses, including this project, outlined in the Shoreline Management Act and the Kittitas County SMP. See the answers to the questions above, for further explanation of the potential Project effects.

h. When converting from one nonconforming use to a different nonconforming use, the applicant must demonstrate that no reasonable alternative conforming use is practical and that the proposed use will be at least as consistent with the policies and provisions of the Act and the Master Program and as compatible with the uses in the area as the pre-existing use.

The Project site was previously in active agriculture and is currently being grazed. The current site use conforms to the Shoreline Management Act and the Kittitas SMP. Therefore, this question is not applicable to the site and the proposed Project.

Question 35. Will the proposed use be consistent with the policies of RCW 90.58.020 and the Kittitas County Shoreline Master Program?

Yes.

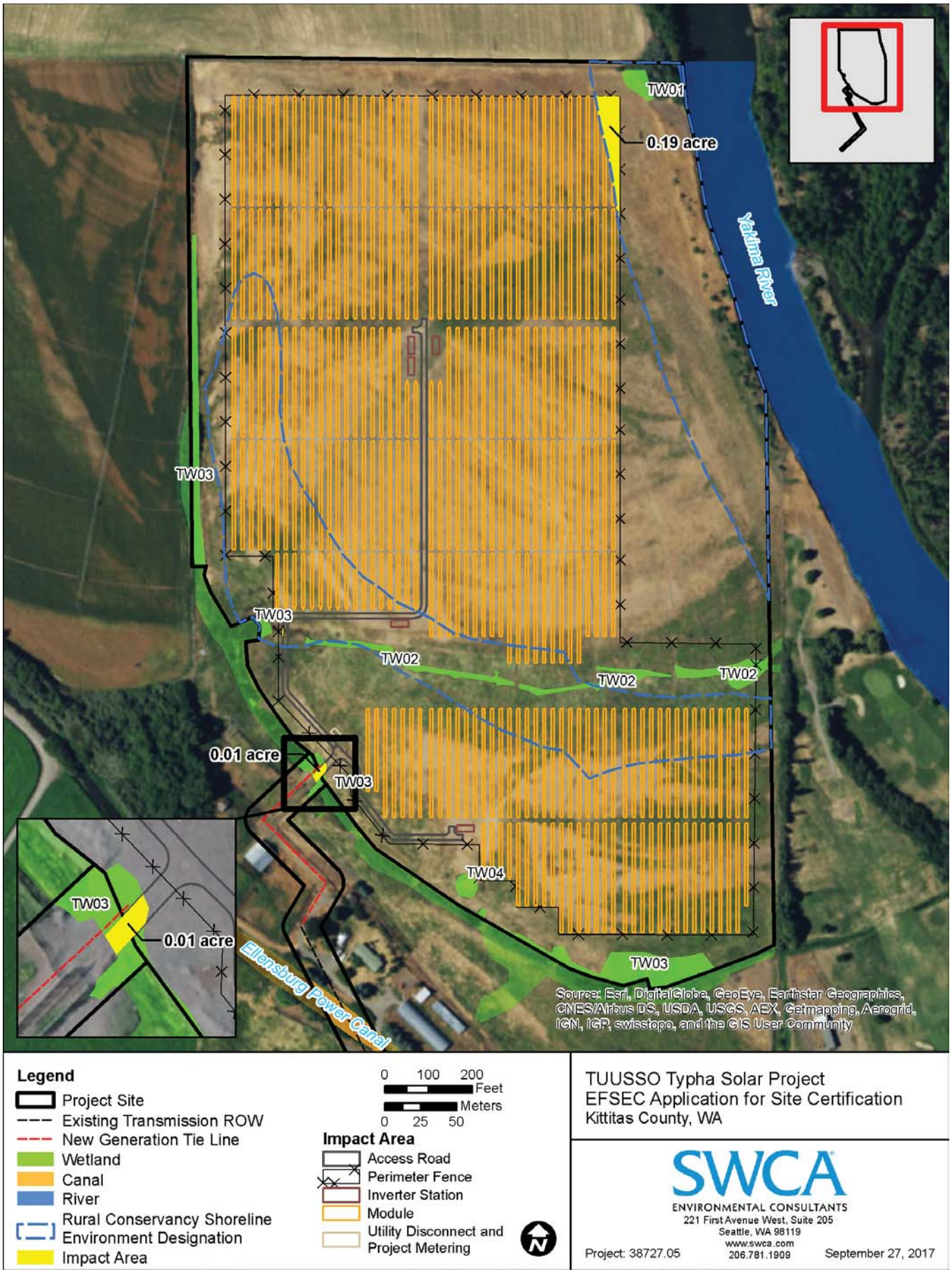
Please explain:

The Project would be consistent with all of the policies specified in RCW 90.58.020 and the Kittitas County SMP. The proposed Project would meet the state interest of protecting the shoreline environment by minimizing adverse effects through avoidance measures in project design, while also providing new renewable energy production to help PSE meet the clean energy requirements under WAC 480-109 (meets RCW 90.58.020[1]). All portions of the site within 200 feet of the OHWM of the Yakima River and within the NWI-mapped emergent wetland that extends into the southern portion of the site have a Shoreline Environment Designation (SED) of Rural Conservancy. This SED area partially overlaps wetlands TW01 and TW02, which would be avoided through project design, as well as areas delineated as uplands that would be within the Project site. The proposed Project would overlap areas within the Shoreline of the State jurisdiction in two areas. The nearest project impact occurring within 200 feet of the Yakima River shoreline would overlap this shoreline area by only 0.19 acre and would consist of fence installations located at least 144 feet from the OHWM of the Yakima River and solar arrays located at least 154 feet from the OHWM of the Yakima River. The second area of overlap would be located at an existing access road crossing of wetland TW03, an associated wetland of the Yakima River that would be considered within Shoreline of the State jurisdiction, where a culvert replacement would result in approximately 0.01 acre of wetland fill. The Kittitas County SMP designates an area that overlaps approximately 6.61 acres of the proposed project area as part of the Shoreline of the State based on NWI mapping; however, SWCA performed a professional wetland delineation throughout the entire site and found that wetlands associated with the Yakima River shoreline only occur in areas delineated as wetlands TW01, TW02, and TW03; refer to the attached figure for exact locations. Both wetlands TW01 and TW02 would be avoided through project design, and impacts to wetland TW03 would be limited to only 0.01 acre for the proposed culvert replacement for site access. In addition, the vegetation adjacent to the Yakima River would not be altered, and all of the areas of the project within 200 feet of the Yakima River shoreline would be planted with low-growing native plant species. Therefore, the proposed Project would have minimal adverse effects on the shoreline of the Yakima River and would preserve the natural character of the shoreline. In addition, any adverse effects associated with the proposed Project would be minimal and would not substantially affect the ecology and resources of the Yakima River shoreline (meets RCW 90.58.020[2–4]).

The proposed Project would be located at least 144 feet from the OHWM of the Yakima River, the nearest shoreline. Less than 3% impervious surfaces would be added to the property, including less than 10 square feet (based on approximately 16 solar array footings of 6- by 8-inch cross-section) for solar array footings and less than 700 square feet for the access road fill within wetland TW03 in areas within Shoreline of the State jurisdiction. These areas and the overall project would not result in a substantial increase in runoff. No shoreline protection work is proposed nor would be necessary to stabilize the shoreline for project purposes (meets Kittitas County SMP 6.19.A.1). The location of the proposed Typha Solar Project is on private land located west of a segment of the Yakima River that is not visible from properties immediately to the west of the site. The solar arrays on the proposed site would not exceed 8 feet in height and would not block any views of the Yakima River from adjoining properties. In addition, the associated generation tie line would be predominately located along existing power lines and would not substantially alter the current views nearby (meets Kittitas County SMP 6.19.A.2).

Solar generation facilities are an allowed conditional use on lands zoned Commercial Agriculture. As described in Section 1.16 of the Application for Site Certification, the Project would be consistent with the Kittitas County Comprehensive Plan. The proposed Project would limit grading activities as much as possible, utilizing existing site contours with limited ground disturbance. The Project would operate under a maximum 41-year lease with the current landowner, after which the site may return to its current agricultural land use. In addition, the generation tie line would be located predominantly along existing power lines and would not affect any existing land uses along its route (meets Kittitas County SMP 6.19.A.3). The proposed Typha Solar Project is located on private land that currently does not allow public access to the Yakima River shoreline. Therefore, public access to the shoreline of the Yakima River and public recreational opportunities would not be affected by the proposed Project (meets RCW 90.58.020[5–6]).

Finally, based on the project design and impacts described above, the proposed Project would not destroy or obstruct scenic views of the Yakima River shoreline because of the private location of the property and topography of the surrounding landscape. In addition, the Project would meet the no-net-loss standards because the small areas of impact are either below the threshold for mitigation, in the case of the 0.01 acre of wetland fill, or would have a negligible impact with an improvement in vegetation quality, in the case of the 0.19 acre at least 144 feet from the OHWM of the Yakima River. Therefore, the proposed Project meets the Kittitas County SMP 6.19.B.12 requirement.



Legend

- Project Site
- Existing Transmission ROW
- New Generation Tie Line
- Wetland
- Canal
- River
- Rural Conservancy Shoreline Environment Designation
- Impact Area

0 100 200 Feet

0 25 50 Meters

Impact Area

- Access Road
- Perimeter Fence
- Inverter Station
- Module
- Utility Disconnect and Project Metering

TUUSSO Typha Solar Project
EFSEC Application for Site Certification
Kittitas County, WA

SWCA
ENVIRONMENTAL CONSULTANTS
221 First Avenue West, Suite 205
Seattle, WA 98119
www.swca.com
206.781.1909

Project: 38727.05 September 27, 2017

WASHINGTON STATE
Joint Aquatic Resources Permit Application (JARPA) Form[1,2] [help]

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.

AGENCY USE ONLY

Date received:

Agency reference #: _____

Tax Parcel #(s): _____

_____

_____

Part 1–Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]
Typha Solar Project

Part 2–Applicant

The person and/or organization responsible for the project. [help]

2a. Name (Last, First, Middle)			
Evans, Jason			
2b. Organization (If applicable)			
TUUSSO Energy, LLC			
2c. Mailing Address (Street or PO Box)			
500 Yale Avenue North			
2d. City, State, Zip			
Seattle, WA 98109			
2e. Phone (1)	**2f.** Phone (2)	**2g.** Fax	**2h.** E-mail
(206) 303-0198			jason.evans@tuusso.com

[1]Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

[2]To access an online JARPA form with [help] screens, go to http://www.epermitting.wa.gov/site/alias__resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.

Part 3–Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [help]

3a. Name (Last, First, Middle)			
Dulin, Nathaniel Evan			
3b. Organization (If applicable)			
SWCA Environmental Consultants			
3c. Mailing Address (Street or PO Box)			
1220 SW Morrison St, #700			
3d. City, State, Zip			
Portland, OR 97205			
3e. Phone (1)	**3f.** Phone (2)	**3g.** Fax	**3h.** E-mail
(503) 224-0333			edulin@swca.com

Part 4–Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [help]

☐ Same as applicant. (Skip to Part 5.)

☐ Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)

☐ There are multiple upland property owners. Complete the section below and fill out JARPA Attachment A for each additional property owner.

☐ Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete JARPA Attachment E to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)			
Dicken, Douglas A.			
4b. Organization (If applicable)			
4c. Mailing Address (Street or PO Box)			
P.O. Box 639			
4d. City, State, Zip			
Ellensburg, WA 98926			
4e. Phone (1)	**4f.** Phone (2)	**4g.** Fax	**4h.** E-mail

Part 5–Project Location(s)

Identifying information about the property or properties where the project will occur. [help]

☐ There are multiple project locations (e.g. linear projects). Complete the section below and use JARPA Attachment B for each additional project location.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]

☒ Private
☐ Federal
☐ Publicly owned (state, county, city, special districts like schools, ports, etc.)
☐ Tribal
☐ Department of Natural Resources (DNR) – managed aquatic lands (Complete JARPA Attachment E)

5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [help]

None (See 5p)

5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]

Ellensburg, WA 98926

5d. County [help]

Kittitas

5e. Provide the section, township, and range for the project location. [help]

¼ Section	Section	Township	Range
	30	18N	18E

5f. Provide the latitude and longitude of the project location. [help]

- Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)

47.024157 N lat. / -120.628488 W long

5g. List the tax parcel number(s) for the project location. [help]

- The local county assessor's office can provide this information.

712633, 752633 (partial)

5h. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [help]

Name	Mailing Address	Tax Parcel # (if known)
_pending		

5i. List all wetlands on or adjacent to the project location. [help]

TW01, TW02, TW03, TW04, TW05

5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [help]

Yakima River, Ellensburg Power Canal, ditches

5k. Is any part of the project area within a 100-year floodplain? [help]

☐ Yes ☒ No ☐ Don't know

5l. Briefly describe the vegetation and habitat conditions on the property. [help]

The Typha Solar Project site primarily consists of fallow agricultural land located just west of the Yakima River and north of Thorp Highway, west of Ellensburg in unincorporated Kittitas County, Washington. Topography of the site generally slopes to the east toward the Yakima River. Surface elevation within the site and ranges from 1,570 to 1,614 feet above mean sea level, the lowest elevation being along the eastern site boundary closest to the Yakima River and the highest elevation being at the southern end of the project area near Thorp Highway.

The Typha Solar Project site consists of formerly irrigated and grazed pasture along the right bank (when facing downstream) of the Yakima River. The site is currently fallow and dominated by weeds and non-native herbaceous species in upland areas, including tall false rye grass (*Schedonorus arundinaceus*), bluegrass (*Poa* spp.), remnant planted common timothy (*Phleum pretense*), garden yellow rocket (*Barbarea vulgaris*), hairy cat's-ear (*Hypochaeris radicata*), common dandelion (*Taraxacum officinale*), and white clover (*Trifolium repens*). In addition, the site has patches of noxious weeds, including Canadian thistle (*Cirsium arvense*), Scotch thistle (*Onopordum acanthium*), yellow nutsedge (*Cyperus esculentus*), and reed canary grass (*Phalaris arundinacea*). The southern portion of the project crosses areas of rural residential use, existing driveways and access roads, and a manicured golf course, including some areas with mature grand fir (*Abies grandis*), ponderosa pine (*Pinus ponderosa*), quaking aspen (*Populus tremuloides*), and crack willow (*Salix* X *fragilis*) trees, with Nootka rose (*Rosa nutkana*) shrubs along the Ellensburg Power (EP) Canal and nearby residences.

Five wetlands were delineated within the Typha Solar Project study area. Table 1 summarizes the size, rating, and classification of wetlands found within the study area. See the figures in the attached Critical Areas Wetland and Waters Delineation Report for Typha Solar Project for the locations of the wetlands, streams, data plots, and their associated minimum protection buffers. The minimum wetland protection buffers were calculated per Kittitas County Code (KCC) guidance based on Ecology's Wetland Rating for each wetland. A detailed description of wetland TW03 is provided below. See the attached critical areas report for detailed descriptions of all other wetlands and waterbodies delineated in the project's study area.

Table 1. Wetland Size, Rating, and Classification for Wetlands within the Study Area

Wetland Name	Delineated Area within the Project (Wetland Rating Unit Size) [a] (acres)	Wetland Rating [b]	Hydrogeomorphic Classification	Cowardin Classification [c]	Dominant Species Observed within Wetland
Solar Site					
TW01	0.07 (estimated 0.33)	II	Riverine	PEM/PSS	Narrow-leaf willow, Nootka rose, red osier dogwood, common panic grass, and hairy cat's-ear
TW02	0.38 (estimated 0.68)	II	Riverine	PEM	Baltic rush, tall false rye grass, common timothy, reed canary grass, and Fuller's teasel
TW03	0.35 (estimated 8.45)	II	Riverine	PEM/PSS	Reed canary grass, common duckweed, Rocky Mountain iris, and bluegrass
TW04	0.04 (0.05)	III	Depressional	PEM	Broad-leaf cat-tail, reed canary grass, and tall false rye grass
Generation Tie Line					
TW03	0.07 (estimated 8.45)	II	Riverine	PEM/PSS	Reed canary grass, common duckweed, Rocky Mountain iris, and bluegrass
TW05	0.03 (estimated 0.47)	III	Riverine	PEM	Broad-leaf cat-tail, reed canary grass, and Baltic rush

a Wetland rating unit size is the total area of wetland delineated or estimated based on aerial photograph interpretation and field reconnaissance. Area of delineated portions of the wetlands is based on SWCA survey data.

b Wetland ratings are based on *Washington State Wetland Rating System for Eastern Washington – Revised* (Hruby 2014).

c Cowardin et al. (1979).

Wetland TW03

Wetland TW03 is a riverine wetland that surrounds a drainage that starts just outside of the western project site boundary and extends south and east along the southern study area boundary. This wetland encompasses approximately 0.35 acre of the project site study area and 0.07 acre in the generation tie line study area, which are portions of the approximately 8.45 acres total wetland unit. This wetland is fed by runoff and irrigation from the agricultural fields to the north and west of the wetland and includes areas of open water as the drainage extends south and west, eventually feeding into the Yakima River east of the study area (see Figure 5; and wetland rating Figures 1 through 5 in Appendix E of the Critical Areas Wetland and Waters Delineation Report for Typha Solar Project). Delineation data were recorded at sample plots TP05 and TP11 and is provided on datasheets in Appendix C of the Critical Areas Wetland and Waters Delineation Report for Typha Solar Project. The drainage passes through many culverts along its route east, but the culverts are partially obstructed, causing the water to flood over the higher elevation areas between the main drainage reaches; therefore, these areas are included in the wetland. The upland boundary of the wetland is defined by an obvious rise in elevation on either side of the overall drainage.

Wetland TW03 is mostly a palustrine emergent (PEM) wetland habitat type with some palustrine scrub-shrub (PSS) wetland areas off-site to the east of the project site. The wetland is dominated by reed canary grass, common duckweed (*Lemna minor*, OBL), Rocky Mountain iris (*Iris missouriensis*, FACW), bluegrass (*Poa* spp., FAC), tall false rye grass, and yellow nutsedge (FACW), with some broad-leaf cat-tail (*Typha latifolia*, OBL), Fuller's teasel, and narrow-leaf willow in the eastern portion of the wetland. The dominance of these species meets the wetland vegetation criteria. Wetland TW03 is located within two different NWI-mapped PEM1C wetland polygons, one along the western project site boundary and one in the southeastern corner of the project site that extends off-site (see Figure 2 of the Critical Areas Wetland and Waters Delineation Report for Typha Solar Project).

Soils in Wetland TW03 are mapped as Nosal ashy silt loam with 0% to 2% slopes; Mitta ashy silt loam, drained with 0% to 2% slopes; Weirman-Kayak-Zillah complex with 0% to 2% slopes; and Weirman gravelly sandy loam with 0% to 2% slopes (NRCS 2017a) (see Figure 3 of the Critical Areas Wetland and Waters Delineation Report for Typha Solar Project). The soil profile observed within 16 inches of the soil surface consists of black (2.5Y 2.5/1) silty clay loam with depletions of dark grayish brown (10YR 4/2) and redoximorphic features starting at 8 inches. The soils in Wetland TW03 meet the hydric soil indicator for Redox Dark Surface (F6). Primary indicators

of hydrology within this wetland include aquatic invertebrates. Secondary indicators of hydrology observed within the wetland include drift deposits (riverine) and drainage patterns. The presence of these indicators meets wetland hydrology criteria.

Wetland TW03 is rated as a Category II wetland in the Ecology rating system, with a high score for hydrologic function (8/9 points) and moderate scores for habitat function (6/9 points) and water quality improvement (6/9 points). Wetland TW03 has high potential to provide hydrologic functions because of its large wetland to channel width ratio and its potential to help reduce flooding issues directly downstream in the Yakima River.

5m. Describe how the property is currently used. [help]

_pending

5n. Describe how the adjacent properties are currently used. [help]

_pending

5o. Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [help]

_pending

5p. Provide driving directions from the closest highway to the project location, and attach a map. [help]

_pending

Part 6–Project Description

6a. Briefly summarize the overall project. You can provide more detail in 6b. [help]

_pending

6b. Describe the purpose of the project and why you want or need to perform it. [help]

_pending

6c. Indicate the project category. (Check all that apply) [help]

☒ Commercial ☐ Residential ☐ Institutional ☒ Transportation ☐ Recreational
☐ Maintenance ☐ Environmental Enhancement

6d. Indicate the major elements of your project. (Check all that apply) [help]

☐ Aquaculture	☒ Culvert	☐ Float	☐ Retaining Wall (upland)
☐ Bank Stabilization	☐ Dam / Weir	☐ Floating Home	☐ Road
☐ Boat House	☐ Dike / Levee / Jetty	☐ Geotechnical Survey	☐ Scientific Measurement Device
☐ Boat Launch	☐ Ditch	☐ Land Clearing	☐ Stairs
☐ Boat Lift	☐ Dock / Pier	☐ Marina / Moorage	☐ Stormwater facility
☐ Bridge	☐ Dredging	☐ Mining	☐ Swimming Pool
☐ Bulkhead	☐ Fence	☐ Outfall Structure	☐ Utility Line
☐ Buoy	☐ Ferry Terminal	☐ Piling/Dolphin	
☐ Channel Modification	☐ Fishway	☐ Raft	

☐ Other:

6e. Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [help]

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

_pending

6f. What are the anticipated start and end dates for project construction? (Month/Year) [help]

- If the project will be constructed in phases or stages, use JARPA Attachment D to list the start and end dates of each phase or stage.

Start Date: TBD End Date: TBD ☐ See JARPA Attachment D

6g. Fair market value of the project, including materials, labor, machine rentals, etc. [help]

_pending

6h. Will any portion of the project receive federal funding? [help]

- **If yes**, list each agency providing funds.

☐ Yes ☐ No ☒ Don't know

Part 7–Wetlands: Impacts and Mitigation

☒ Check here if there are wetlands or wetland buffers on or adjacent to the project area. (If there are none, skip to Part 8.) [help]

7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [help]

☐ Not applicable

_pending

7b. Will the project impact wetlands? [help]

☒ Yes ☐ No ☐ Don't know

7c. Will the project impact wetland buffers? [help]

☒ Yes ☐ No ☐ Don't know

7d. Has a wetland delineation report been prepared? [help]

- **If Yes**, submit the report, including data sheets, with the JARPA package.

☒ Yes ☐ No

7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [help]

- **If Yes**, submit the wetland rating forms and figures with the JARPA package.

☒ Yes ☐ No ☐ Don't know

7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [help]

- **If Yes**, submit the plan with the JARPA package and answer 7g.
- **If No, or Not applicable**, explain below why a mitigation plan should not be required.

☐ Yes ☒ No ☐ Don't know

_pending (less than 1,000 sq. ft. of fill does not require mitigation)

7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [help]

Not Applicable.

7h. Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [help]

Activity (fill, drain, excavate, flood, etc.)	Wetland Name[1]	Wetland type and rating category[2]	Impact area (sq. ft. or Acres)	Duration of impact[3]	Proposed mitigation type[4]	Wetland mitigation area (sq. ft. or acres)
Fill	TW03	PEM, Category II	TBD	Permanent	None	N/A

[1] If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.
[2] Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.
[3] Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.
[4] Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: _____

7i. For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [help]

_TBD

7j. For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [help]

Not applicable.

Part 8–Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, "waterbodies" refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [help]

☒ Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [help]

☐ Not applicable

_pending

8b. Will your project impact a waterbody or the area around a waterbody? [help]

☐ Yes ☒ No

8c. Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [help]

- **If Yes**, submit the plan with the JARPA package and answer 8d.
- **If No, or Not applicable,** explain below why a mitigation plan should not be required.

☐ Yes ☒ No ☐ Don't know

Not applicable. No impact proposed to waterbodies.

8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [help]

Not applicable.

8e. Summarize impact(s) to each waterbody in the table below. [help]

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name[1]	Impact location[2]	Duration of impact[3]	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected

[1] If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.
[2] Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.
[3] Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [help]

Not applicable.

8g. For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [help]

Not applicable.

Part 9–Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [help]

Agency Name	Contact Name	Phone	Most Recent Date of Contact
State of Washington Energy Facility Site Evaluation Council (EFSEC)	_pending		

9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? [help]

- **If Yes,** list the parameter(s) below.
- If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: http://www.ecy.wa.gov/programs/wq/303d/.

☐ Yes ☒ No

9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help]

- Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC.

HUC 17030001

9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]

- Go to http://www.ecy.wa.gov/water/wria/index.html to find the WRIA #.

WRIA 39

9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help]

- Go to http://www.ecy.wa.gov/programs/wq/swqs/criteria.html for the standards.

☐ Yes ☐ No ☒ Not applicable

9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]

- If you don't know, contact the local planning department.
- For more information, go to: http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html.

☐ Urban ☐ Natural ☐ Aquatic ☐ Conservancy ☒ Other: Rural Conservancy

9g. What is the Washington Department of Natural Resources Water Type? [help]

- Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System.

☐ Shoreline ☐ Fish ☐ Non-Fish Perennial ☐ Non-Fish Seasonal

9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help]

- **If No**, provide the name of the manual your project is designed to meet.

☒ Yes ☐ No

Name of manual: _____

9i. Does the project site have known contaminated sediment? [help]

- **If Yes**, please describe below.

☐ Yes ☒ No

9j. If you know what the property was used for in the past, describe below. [help]

_pending

9k. Has a cultural resource (archaeological) survey been performed on the project area? [help]

- **If Yes**, attach it to your JARPA package.

☒ Yes ☐ No

9l. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [help]

_pending

9m. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [help]

_pending

Part 10–SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at http://apps.oria.wa.gov/opas/.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.
- For a list of addresses to send your JARPA to, click on agency addresses for completed JARPA.

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [help]

- For more information about SEPA, go to www.ecy.wa.gov/programs/sea/sepa/e-review.html.

☐ A copy of the SEPA determination or letter of exemption is included with this application.

☒ A SEPA determination is pending with ___TBD___ (lead agency). The expected decision date is _TBD_____.

☐ I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [help]

☐ This project is exempt (choose type of exemption below).

☐ Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?

_____

☐ Other: _____

☐ SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [help]

LOCAL GOVERNMENT

Local Government Shoreline permits:

☐ Substantial Development ☐ Conditional Use ☐ Variance

☐ Shoreline Exemption Type (explain): _____

Other City/County permits:

☐ Floodplain Development Permit ☒ Critical Areas Ordinance

STATE GOVERNMENT

Washington Department of Fish and Wildlife:

☐ Hydraulic Project Approval (HPA) ☐ Fish Habitat Enhancement Exemption – Attach Exemption Form

You must submit a check for $150 to Washington Department of Fish and Wildlife, unless your project qualifies for an exemption or alternative payment method below. **Do not send cash.**

Check the appropriate boxes

☐ $150 check enclosed. Check # _____
Attach check made payable to Washington Department of Fish and Wildlife.

☒ My project is exempt from the application fee. (Check appropriate exemption):
- ☐ HPA processing is conducted by applicant funded WDFW staff.
  Agreement # _____
- ☐ Mineral prospecting and mining
- ☒ Project occurs on farm and agricultural land.
  (Attach a copy of current land use classification recorded with the county auditor, or other proof of current land use)
- ☐ Project is modification of an existing HPA originally applied for, prior to July 10, 2012.
  HPA # _____

Washington Department of Natural Resources:

☐ Aquatic Use Authorization

Complete JARPA Attachment E and submit a check for $25 payable to the Washington Department of Natural Resources. **Do not send cash.**

Washington Department of Ecology:

☐ Section 401 Water Quality Certification

FEDERAL GOVERNMENT

United States Department of the Army permits (U.S. Army Corps of Engineers):

☒ Section 404 (discharges into waters of the U.S.) ☐ Section 10 (work in navigable waters)

United States Coast Guard permits:

☐ Private Aids to Navigation (for non-bridge projects)

Part 11–Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [help]

11a. Applicant Signature (required) [help]

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. _____ (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. _____ (initial)

Applicant Printed Name	Applicant Signature	Date

11b. Authorized Agent Signature [help]

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Authorized Agent Printed Name	Authorized Agent Signature	Date

11c. Property Owner Signature (if not applicant) [help]

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

Property Owner Printed Name	Property Owner Signature	Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than $10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341.
ORIA publication number: ORIA-16-011 rev. 09/2016