

Oregon Department of **ENERGY**

Energy Facility Siting
Council Meeting

Clatskanie River Inn
600 E. Columbia River Hwy
Clatskanie, OR 97016

Sept. 26-27, 2019



Opening Items:

- Call to Order
- Roll Call
- Announcements

Announcements:

- For those attending in person:
 - Comment Registration Cards are available on the table.
 - GovDelivery Sign Up Cards to receive project information by email are also on the table
- Those participating via the AT&T phone line, please mute your phone and if you receive a phone call, please hang up from this call and dial back in after finishing your other call

Announcements continued:

- If you would like to address the Council, please do not use the speaker phone feature, because it will create feedback
- For those signed onto the webinar, please do not broadcast your webcam
- Please silence your cell phones
- Energy Facility Council meetings shall be conducted in a respectful and courteous manner where everyone is allowed to state their positions at the appropriate times consistent with Council rules and procedures. Willful accusatory, offensive, insulting, threatening, insolent, or slanderous comments which disrupt the Council meeting are not acceptable. Pursuant to Oregon Administrative Rule 345-011-0080, any person who engages in unacceptable conduct which disrupts the meeting may be expelled.

Agenda Item A

- Consent Calendar
- Council Secretary Report

Agenda Item B (Action Item)

Obsidian Solar Center Hearing Officer Appointment

**September 26, 2019
Maxwell Woods, Senior Policy Advisor**

Agenda Item C (Action Item)

Bakeoven Solar Project Hearing Officer Appointment

September 26, 2019

Maxwell Woods, Senior Policy Advisor

Agenda Item D (Action Item)

Bakeoven Solar Project Consultant Appointment

September 26, 2019

Maxwell Woods, Senior Policy Advisor

Agenda Item E (Information Item)

Port Westward Generating Project Draft Proposed Order on Request for Amendment 11

September 26, 2019

Christopher M. Clark, Siting Policy Analyst

Presentation Overview

- Certificate holder, facility, and facility location
- Requested Amendments
- Procedural history
- Summary of Draft Proposed Order

Port Westward Generating Project



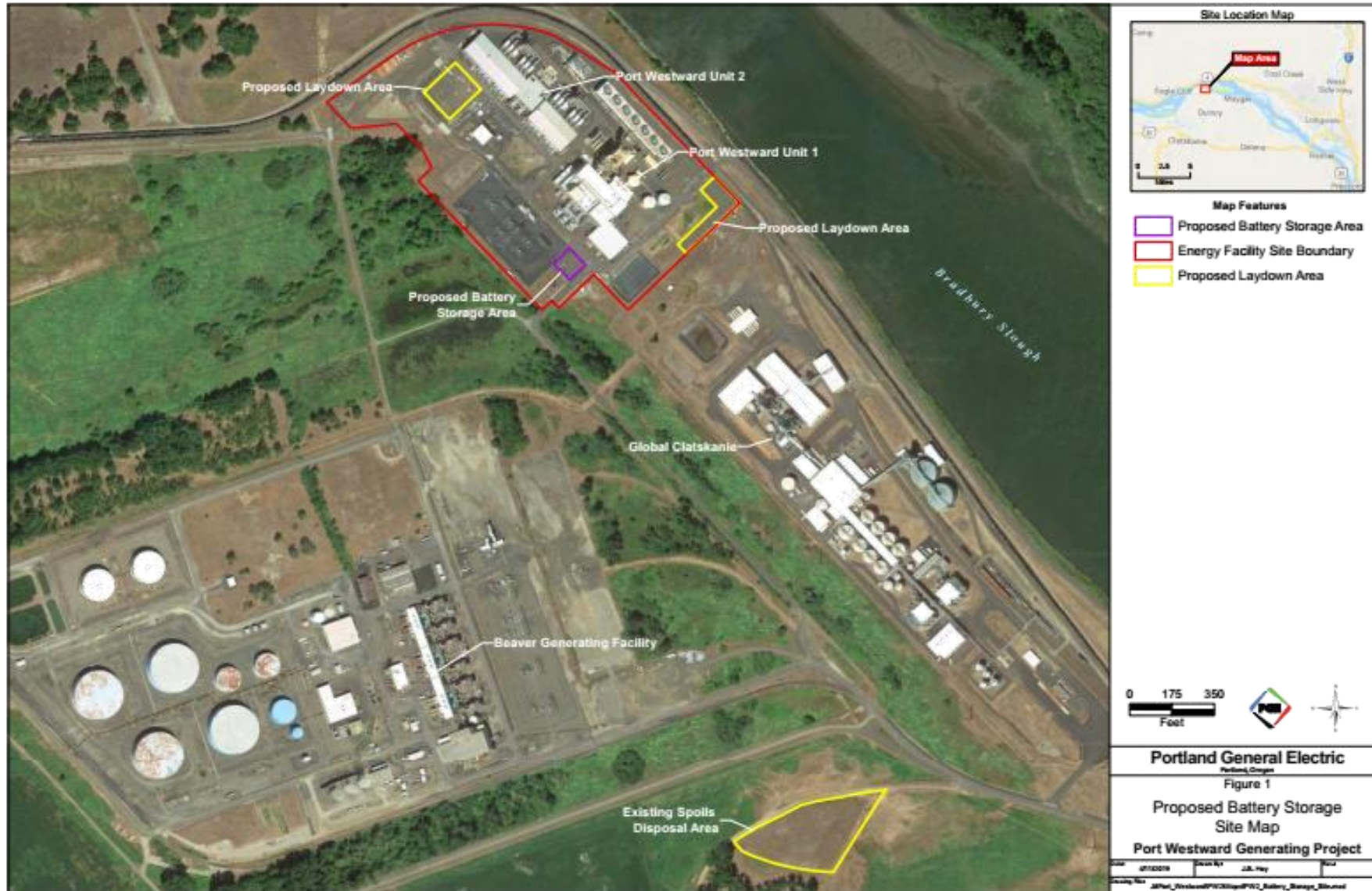
Port Westward Generating Project
Photo Credit: PGE

- **Certificate Holder:** Portland General Electric Company
- **Type of Facility:** 650 MW natural gas-fired power plant comprised of one 411 MW base load combined cycle generating plant, one 220 MW non-base load generating plant, and related or supporting facilities
- **Facility Location:** Port Westward Industrial Park; Columbia County
- **Status:** Operating

Requested Amendments

- Request for Amendment 11 seeks authorization to:
 - Construct and operate a 4-6 MW Battery Energy Storage System (BESS) within the existing energy facility site boundary.
 - Make administrative corrections to the facility description.
 - Allow use of secondary spill containment options that do not require installation of permanent pavement.
 - Modify revegetation success criteria and move revegetation conditions from site certificate to a Revegetation and Noxious Weed Control Plan.
 - Modify a condition related to wetland buffers.
 - Remove a condition related to bald eagles.
- Request for Amendment 11 does not proposed to change the site boundary, or the design and layout of existing facilities.

Requested Amendments



Requested Amendments



Procedural History

Requirement	Responsible Party	Date
Preliminary Request for Amendment 11	Certificate Holder	April 23, 2019
Complete Request for Amendment 11	Certificate Holder	July 12, 2019
Draft Proposed Order Issued	ODOE	August 29, 2019
Comment Period (28 days)	ODOE	August 29 – September 26, 2019
Public Hearing (Today)	EFSC	September 26, 2019
Council Review of Draft Proposed Order	EFSC	September 27, 2019*
Proposed Order and Notice of Contested Case Issued	ODOE	TBD
Contested Case Proceeding	EFSC	TBD
Final Order/Amended Site Certificate	EFSC	TBD

*The certificate holder will have the opportunity to request additional time to respond to public comments. If such a request is granted, Council's review of the Draft Proposed Order would not occur until a later date.

Summary of Draft Proposed Order

- Comments incorporated from:
 - Columbia County (Special Advisory Group)
 - Oregon Department of Fish and Wildlife
- Scope of Council's Review:
 - Does the facility, with the proposed change, comply with the applicable laws or Council standards that protect a resource or interest that could be affected by the proposed change?
 - Is the amount of the bond or letter of credit adequate?
- Staff recommendation
 - Staff recommends Council find the facility, with the proposed changes, would comply with applicable laws and standards based on compliance with existing and proposed conditions.

Summary of Draft Proposed Order

- **General Standard of Review**
- **Organizational Expertise**
- **Structural Standard**
- **Soil Protection**
- **Land Use**
- **Protected Areas**
- **Retirement and Financial Assurance**
- **Fish and Wildlife Habitat**
- **Threatened and Endangered Species**
- **Scenic Resources**
- **Historic, Cultural, and Archaeological Resources**
- **Recreation**
- **Public Services**
- **Waste Minimization**
- **Other Standards**
- **Other Applicable Regulatory Requirements***

General Standard of Review

- Staff recommends Council find the facility, with the proposed changes, would comply with applicable laws and standards based on compliance with existing and proposed conditions.
- Staff recommends new Conditions F.1(7) and F.1(8) to specify the beginning and ending deadlines for construction of the BESS. (p. 10)
- Staff recommends Council make the changes to site descriptions proposed by certificate holder, with modifications.

Staff Recommendations: Organizational Expertise (pp 11-14)

- Staff recommends Council find certificate holder has organizational expertise to meet standard.
- Staff recommends amending Condition D.2(5) to clarify its applicability to contractors transporting and disposing of batteries and battery wastes. (p.13)
- Based on certificate holder representation, staff recommends new Condition D.2(10) to require submission of staff training plan or curriculum for BESS. (pp. 12-13)



Salem Smart Power Center.
Photo Credit: ODOE

Staff Recommendations: Structural Standard (pp 15-17)

- Staff recommends Council find the applicant can design, engineer and construct the facility to avoid dangers to human safety and the environment.
- DOGAMI and Department recommend Geotechnical Studies conducted for Unit 1 (2002) and Unit 2 (2013) are valid. No new investigations required.
- New condition D.5(10) recommended to require submission of results of any additional investigations certificate chooses to conduct for BESS to DOGAMI and Department. (pp. 16-17)

Staff Recommendations: Soil Protection (pp. 17-20)

- Staff recommends existing conditions address potential impacts from erosion and chemical spills.
- Staff recommends approval of proposed change to condition D.6(7) to allow use of secondary containment, with additional modifications. (pp. 18-19)



Port Westward Soils Map
RFA 11

Staff Recommendations: Land Use (pp. 20-37)

- Facility is located entirely within Rural Industrial Zone (RIPD)
- Columbia County reviewed and found application included accurate findings of fact to the relevant sections of the Columbia County Zoning Ordinance and Comprehensive Plan.
- Staff recommends Council amend Site Certificate Condition D.4(2) to require the certificate holder to submit an updated site plan to Columbia County before beginning construction of the BESS. (p. 33)

Staff Recommendations: Retirement and Financial Assurance (pp. 42-44)

- Staff recommends Council adopt a new Site Certificate Condition D.3(17) to require the certificate holder to provide finalized design information, prior to construction of the BESS. (p. 43)
- Staff recommends Council adopt new Condition D.3(18) to require additional security in the amount of \$136,736 for a lithium-ion BESS or 637,635 for a flow battery BESS. (pp. 43-44)
- Staff recommends Council amend Site Certificate Condition D.3(5) to clarify the method for inflation adjustments. (p. 44)

Staff Recommendations: Fish and Wildlife Habitat (pp. 44-50)

- Staff recommends Council amend Condition D.8(8), as proposed, to clarify its applicability to construction of the proposed BESS. (p. 46)
- Staff recommends Council approve proposed amendment to Condition D.8(11) to remove requirement for chemical and vehicle storage/servicing to be located at least 330 feet from wetlands and waterways, within the energy facility boundary. (p. 47)
- Staff recommends Council approve proposed changes to Conditions D.8(14), (19) through (24), and (26), and adopt a new Condition D.8(28) to revegetation procedures, requirements, and success criteria to a Revegetation and Noxious Weed Control Plan. (pp. 47-49)

Staff Recommendations: Threatened and Endangered Species (pp. 50-52)

- Staff recommends that the design, construction, and operation of the BESS will not alter the Council's basis for its previous findings that the Facility complies with the Threatened and Endangered Species standard.
- Staff recommends Council approve proposed deletion of Condition D.9(9) because bald eagles are no longer a state or federal listed species. (p. 51)

Staff Recommendation: Public Services (pp. 57-65)

- Staff recommends addition of the proposed BESS will not alter previous findings for: sewers and sewage treatment, water, storm water drainage, solid waste management, housing, traffic safety, police protection, health care and schools.
- Staff recommends Council adopt a new Condition D.13(12) to require the certificate holder to submit updated Emergency Response Plans for the facility to fire protection providers consistent with representation. (pp. 63-64)

Staff Recommendation: Waste Minimization (pp. 65-67)

- Operation of the BESS may generate waste from the repair or replacement of electrical equipment, as well as periodic replacement of the batteries. Certificate holder expects lithium-ion batteries to last between 7 and 10 years and flow-batteries to last between 10 and 20 years.
- Staff recommends Council amend Site Certificate Condition D.14(2) to make it applicable to lithium-ion batteries. (p. 66)

Immediate Next Steps

- Agenda Item F – Public Hearing on the Draft Proposed Order
- Agenda Item N – Council Review of the Draft Proposed Order

Agenda Item F (Hearing)

Port Westward Generating Project Public Hearing on Draft Proposed Order on Request for Amendment 11

September 26, 2019

Christopher M. Clark, Siting Policy Analyst

Barry Beyeler, Council Chair and Presiding Officer

Overview of Hearing

- Brief summary of the facility, request for amendment, and public hearing process
- Presiding officer will open the public hearing for verbal comments. Comment registration cards are available and must be completed.
- Written comments can also be submitted until close of hearing.
 - All comments received prior to tonight's hearing have been provided in full to Council members.

Port Westward Generating Project



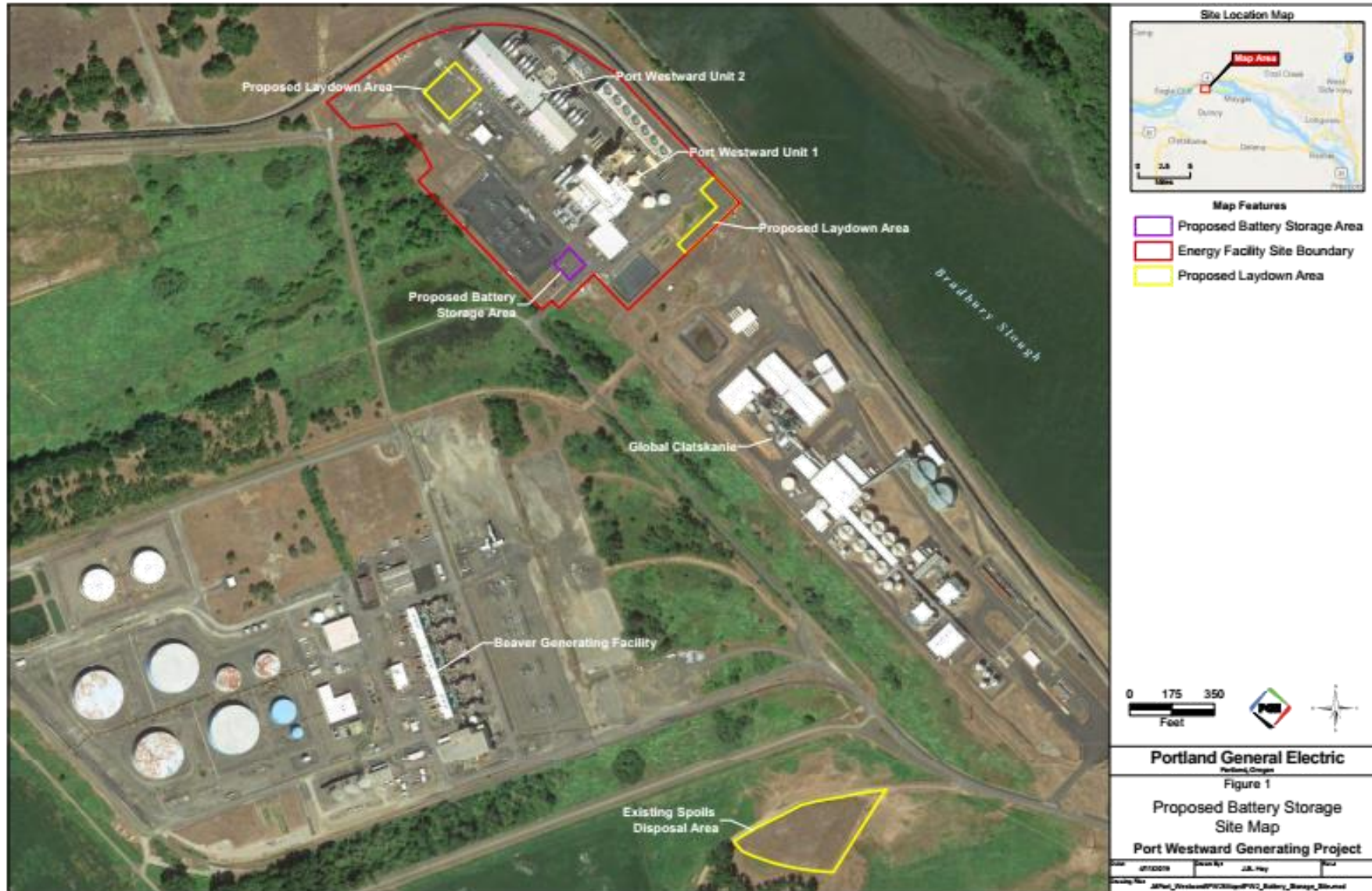
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Photo Credit: PGE

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Requested Amendments



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Public Hearing Process

- Presiding officer opens hearing
- Certificate holder comment (optional)*
- Public comment opportunity*
- Certificate holder response (optional)*
- Certificate holder opportunity to request to hold open record to respond, in writing, to public comments (optional)
- Presiding officer closes hearing

*The Council may set time limits for comments.

Public Comments

- Issues must be raised in person or in writing before the close of the record of the public hearing
- Failure to raise an issue on the record of the public hearing precludes the Council from considering whether to grant a contested case on that issue
- Failure to raise an issue with sufficient specificity to allow the Council the Department and the certificate holder an opportunity to respond also precludes the Council from considering whether to grant a contested case on that issue

Public Hearing

Agenda Item G (Action Item)

B2H Transmission Line Project – Council Ratification of Chair Approval of Extension of Record for Applicant Response to DPO Public Comments

September 27, 2019

Todd Cornett, Council Secretary

Agenda Item H (Action Item)

Annual Election of Council Officers

September 27, 2019

Todd Cornett, Council Secretary

Agenda Item I (Action Item)

2019 Housekeeping Rulemaking Project Council Deliberation and Decision

September 27, 2019

Christopher M. Clark, Rules Coordinator

Background

- Council authorized the Notice of Proposed Rulemaking for the 2019 Housekeeping Rulemaking Project on May 17, 2019.
- Notice was issued on June 12, 2019.
- A public hearing was held on August 23, 2019; which was the close of the public comment period.

Summary of Proposed Rules

- Specific changes proposed for this rulemaking project included:
 - Specifying that rulemaking notices may be sent electronically and adopting procedures to update the Council's rulemaking mailing lists.
 - Updating definitions and procedural rules to be more consistent with statute.
 - Reducing the number of printed copies of project materials an applicant or certificate holder must submit and facilitating electronic distribution of materials to reviewing agencies.
 - Aligning property owner listing requirements with local government practices.

Summary of Public Comment

- Two public comment letters raised the following major issues:
 - Request for Statement of Objective. (1 &2)
 - Recommendation to remove or reject all rule changes that would revise rules held invalid by the Oregon Supreme Court. (1 &2)
 - Recommendation to reject “substantive” changes of the words “shall” to “will.” (1 &2)
 - Comment on use of Use of “Rule summaries” (1 &2)
 - Recommendation to provide notices “by mail and email.” (1)

Summary of Department Testimony

The Department has submitted written testimony recommending the following changes:

- Remove proposed changes to rules affected by the Supreme Court's decision in *Friends of the Columbia Gorge v EFSC*.
- Make minor structural and wording changes to improve the readability and consistency of the rules.
- Amend rules to specify that that applicants and certificate holders must submit two printed copies of application materials, instead of an original and one copy.
- Remove reference to ORS 192.502 from Exhibit S.
- Amend language in Exhibit F to use language closer to that used in ORS 197.763(2).

Staff Recommendation

- Adopt rules included in the Notice of Proposed Rulemaking filed with the Secretary of state on June 12, 2019, with the following changes:
 - Remove proposed changes to OAR 345-015 and 345-027 that are affected by *Friends of the Columbia Gorge v. EFSC*.
 - Exclusively use either the term “shall” or “must” to denote an obligation.
 - Include other changes recommended by staff in Aug. 15 staff testimony
- Specify the methods for evaluating whether or not the rules achieve their stated objectives

Agenda Item J (Information Item)

Wheatridge Wind Energy Facility Council Review of Request for Amendment 4, Draft Proposed Order, and Public Comments

September 27, 2019

Maxwell Woods, Senior Policy Advisor

Presentation Overview

- Certificate Holder/Facility and Facility Location Overview
- RFA4 Requested Facility Modifications
- Request For Amendment 4 (RFA4) Procedural History
- Review of Draft Proposed Order Comments
- Department's Proposed Order Modification Recommendations

Facility Overview

Certificate Holder

Wheatridge Wind Energy, LLC

Certificate Holder Parent Company

Wheatridge Wind Holdings, LLC (Indirect subsidiary of NextEra Energy Resources, LLC)

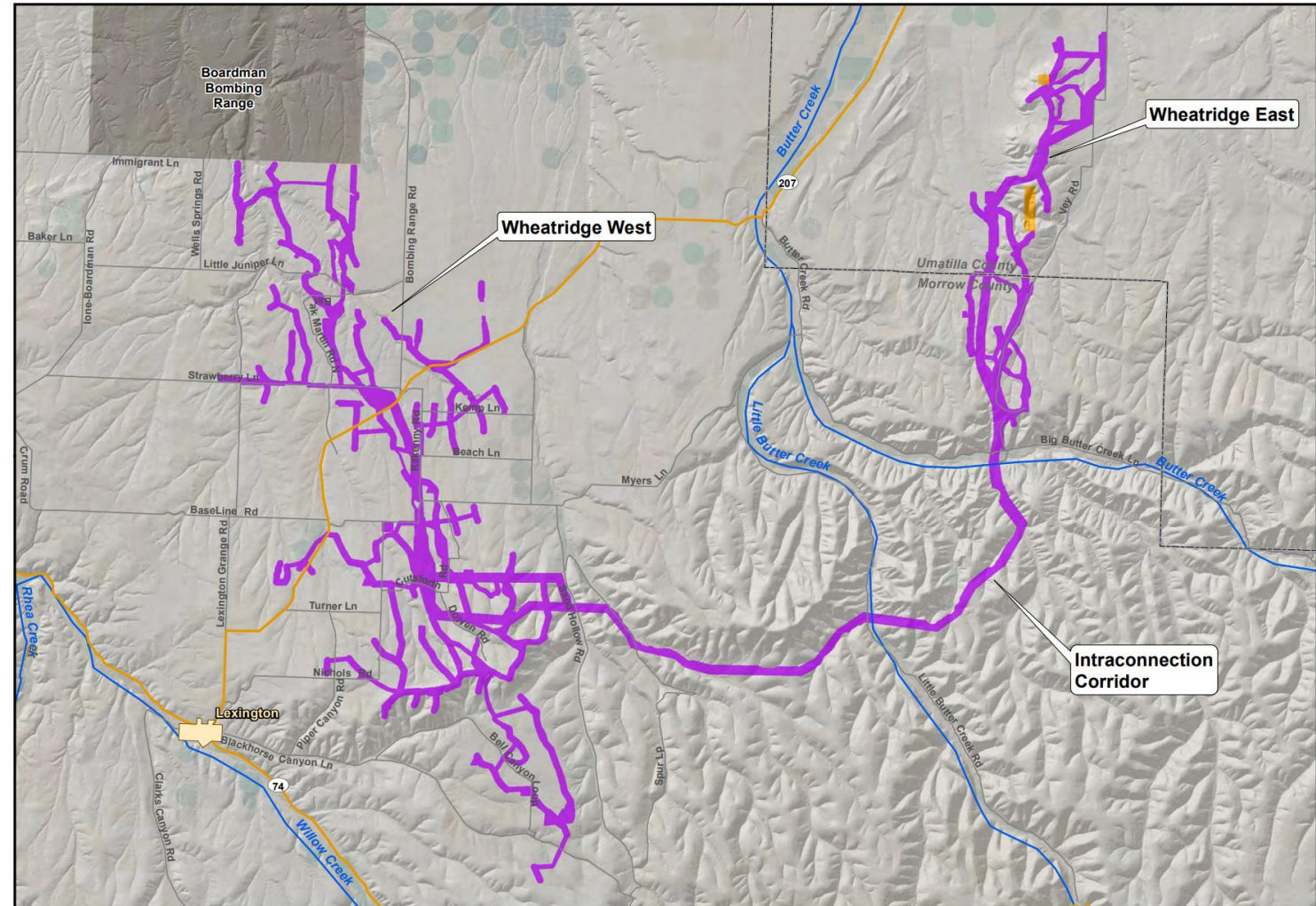
Facility, as Approved

500 MW wind (292 wind turbines)

Site Boundary

Approx. 13,000 acres

Morrow and Umatilla counties



Proposed Facility Modifications

- Add area (1,527 acres) to site boundary
- Construct and operate, in Morrow County:
 - 150 MW of photovoltaic solar energy facility components
 - 41 distributed energy storage system sites



- Expansion of a previously approved collector substation
- Site certificate condition amendments

Wheatridge
Wind Energy Facility
Request for Amendment 4

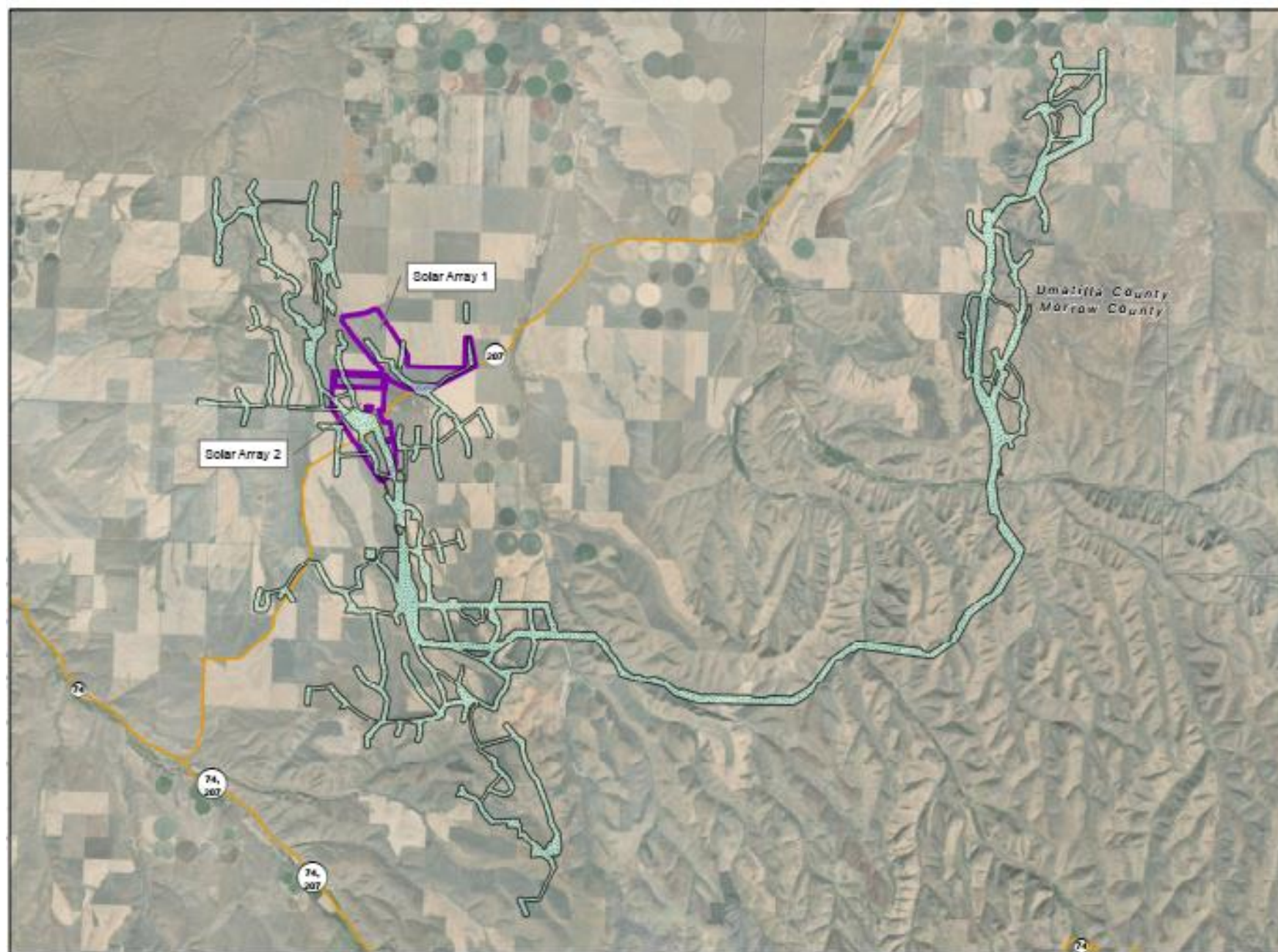
Figure C-1
Facility Overview

MORROW AND UMATILLA COUNTIES, OR

- Approved Site Boundary
(Approved Wind Micrositing Corridors)
- Amended Site Boundary
(Proposed Solar Micrositing Corridors)
- State Highway
- County Boundary



Reference Map



1:130,000 WGS 1984 UTM Zone 11N

0 0.5 1 2 3 4 Miles

RFA4 Procedural History

Requirement	Responsible Party	Date
Preliminary Request for Amendment 4	Certificate Holder	November 30, 2018
Complete Request for Amendment 4	Certificate Holder	July 1, 2019
Draft Proposed Order Issued	ODOE	July 25, 2019
Comment Period (45 days)	ODOE	July 25, 2019 – September 9, 2019
Public Hearing	EFSC	August 22, 2019
Council Review of Draft Proposed Order	EFSC	September 27, 2019
Proposed Order and Notice of Contested Case Issued	ODOE	TBD
Contested Case Proceeding	EFSC	TBD
Final Order/Amended Site Certificate	EFSC	TBD

Council Scope of Review

(OAR 345-027-0371)

- Review draft proposed order comments
- Consider modifications necessary to address issues raised
- Direct staff to incorporate modifications into proposed order

Draft Proposed Order Comments

Reviewing Agencies/Special Advisory Group

- Oregon Department of Agriculture
- Oregon Department of Fish and Wildlife
- Morrow County Board of Commissioners
- Confederated Tribes of the Warm Springs
- Confederated Tribes of the Umatilla Indian Reservation

Members of the Public

- Friends et al
- Irene Gilbert
- Certificate Holder

Draft Proposed Order Comment Evaluation

Procedural Issues

- RFA4 is invalid and cannot be processed under retroactively processed rules
- Draft Proposed Order imposes an arbitrary requirement intended to restrict participation in contested case process

Draft Proposed Order Comment Evaluation

Land Use (OAR 345-022-0030)

Substantive Issues

- Evaluation of MCZO Section 3.010 Yard Setbacks
- Evaluation of MCZO Section 6.030(D) General Conditions for Vehicle Access
- Evaluation of Goal 3 Reasons Exception – Cert Holder’s De Minimus Reason
- Evaluation of weed control requirements pursuant to ORS 569.390/469.507

Comments

- Perimeter fence requires zoning permit
- Provide description of condition compliance for phased facility construction
- Identify a process for updating comprehensive plan for Goal 3 exception

Draft Proposed Order Comment Evaluation

Cultural, Archeological and Historic Resources (OAR 345-022-0090)

Comments

- Traditional Use Survey should be conducted for new site boundary area
- Cultural surveys should be conducted for new site boundary area

Draft Proposed Order Comment Evaluation

Retirement and Financial Assurance (OAR 345-022-0050)

Substantive Issues

- Recommends differing depth, 6 versus 3 feet, for foundation removal; requests condition requiring expert consultation on farming practices prior to decommissioning to confirm adequate foundation depth removal for future useful use
 - Cert holder responded requesting that existing condition requirements be applied to request, which would provide requested evaluation
- Modification of solar decommissioning estimate to include panel post foundation transport and disposal costs

Draft Proposed Order Comment Evaluation

Fish and Wildlife Habitat (OAR 345-022-0060)

Substantive Issues on Recommended Amended F&W Habitat Condition 5

- Raptor nest seasonal/buffer construction limits needs to:
 - Apply to federally listed threatened and endangered species; and,
 - Considered Category 1 habitat
 - Indirect Impacts to Category 1 habitat need to be evaluated and mitigated; impacts cannot be authorized under Council standard and Endangered Species Act

Comments

- Temporary impacts to Category 2 grassland habitat may be mitigated using a 1:1 ratio

Staff Recommendations

- Incorporate analysis and response to comments into proposed order (as presented in Sept 12, 2019 staff report, and as Sept 27, 2019 Council meeting)

In addition,

- Amended Retirement and Financial Assurance Condition 5 to reference that final bond or letter of credit be based on unit costs presented in Table 4 of Final Order

Agenda Item K

PUBLIC COMMENT

Agenda Item L (Information Item)

Perennial Wind Chaser Station **Council Review of Request for Amendment 1, Draft Proposed Order, and Public Comments**

September 27, 2019
Katie Clifford, Senior Siting Analyst

Presentation Overview

- Background information
- RFA1 – requested amendments
- Comments received
- Council discussion of comments and Draft Proposed Order

Background

Certificate Holder: Perennial-WindChaser LLC (wholly-owned by Perennial Power Holdings, Inc., a subsidiary of Sumitomo Corporation and Sumitomo Corporation of America)

Type of Facility: Natural gas facility comprised of up to four turbines with a maximum capacity of 415 megawatts, and related or supporting facilities

Construction Status: Approved, but not yet constructed

RFA1 – Requested Amendment

- Site certificate fully executed on September 18, 2015
- The Request for Amendment requests only to extend the construction commencement and completion deadlines:
 - Extend the construction initiation date from September 23, 2018 to September 23, 2020
 - Extend the construction completion date from September 23, 2021 to September 23, 2023
- No changes proposed to the site boundary, facility design, or facility layout

Comments Received



PUBLIC
COMMENT

Credit: wappingersschools.org

- Comment from the Confederated Tribes of the Umatilla Indian Reservation
- Comments from the public and stakeholder groups
- Over 1,600 written comments received
- Oral testimony from 6 individuals and the certificate holder

Issues discussed during August Council meeting

- Validity of rules under which the RFA is being processed
- Climate impacts of fossil fuel infrastructure and hydraulic fracturing
- Need for a construction timeline extension/Need for the facility
- Consistency with state policy and actions by the Governor's Office
- Need for a cultural resources monitor during construction

Issues outside of Council's review

- General statements of support or opposition, and general appeals to the Governor and the Council to approve or deny the facility
- Impacts to property values
- Appropriateness of facility name
- References to other facilities
- Environmental and health impacts of hydraulic fracturing

Additional Issues

- Air emissions from the generating station
- Air Contaminant Discharge Permit validity
- Other certificate holder investments
- Pipeline safety
- Potential for the facility to be left on the landscape

Air emissions from the generating station

Issue: Facility emissions could impair air quality in the Gorge

- Air emissions subject to DEQ permitting requirements
- DEQ has federally-delegated authority to administer air quality under the Clean Air Act
- Council does not have jurisdiction over federally-delegated permits

Air Contaminant Discharge Permit validity

Issue: ACDP may expire prior to September 23, 2020

- DEQ issued ACDP January 2016; granted extension July 2017
- If DEQ grants a second extension, the new construction commencement deadline will be July 26, 2020
- Unless construction begins by then, current ACDP will expire

Air Contaminant Discharge Permit validity

Protected Areas: Council partially relied on Perennial's need to obtain and maintain a valid ACDP

DEQ previously determined facility would not adversely impact AQ in Class 1 areas, nor in Columbia River Gorge NSA

Air Contaminant Discharge Permit validity

DEQ does not expect underlying facts to change before 09/23/20:

- No changes to facility configuration or emissions profile.
- No appreciable changes expected before 09/23/20 to:
 - Ambient air quality
 - Relevant air quality standards
 - Relevant air quality models

Other certificate holder investments

Issue: Perennial Power Holdings, Inc. owns a 40% stake in American Bituminous Power Partners, which is at risk of bankruptcy and has had difficulties meeting CAA requirements

- Perennial does not operate the West VA coal waste plant
- Perennial operates Hermiston Generating Plant in OR
 - No regulatory citations issued by ODOE
 - No regulatory citations issued by DEQ since beginning operation

Pipeline safety

Issue: Health and safety risks if pipeline ruptured

- No known slopes hazards along pipeline route
- Existing conditions A.10 and A.11 require Perennial to:
 - design, construct and operate the lateral natural gas pipeline in accordance with U.S. DOT requirements
 - submit to the Department copies of all incident reports involving the pipeline

Potential for facility to be left on landscape

Issue: Facility could be abandoned on landscape

- Retirement and Financial Assurance standard (DPO Section III.G, pp. 50-58)
- Required bond or letter of credit would provide a site restoration remedy if certificate holder fails to restore the site

Council's Review of Draft Proposed Order

- **General Standard of Review**
- Organizational Expertise
- **Structural Standard**
- **Soil Protection**
- **Land Use**
- Protected Areas
- **Retirement and Financial Assurance**
- **Fish and Wildlife Habitat**
- **Threatened and Endangered Species**
- Scenic Resources
- Historic, Cultural and Archaeological Resources
- Recreation
- Public Services
- Waste Minimization
- **Siting Standards for Transmission Lines**
- **Carbon Standard**
- Noise Control Regulations
- **Removal-Fill Law**
- Water Rights

Council Discussion

Next Steps

Agenda Item M (Information Item)

Compliance Program Update

September 27, 2019

Duane Kilsdonk, Compliance Officer

Presentation Overview

- Energy Facilities with Site Certificates
- Oregon Energy Facilities Map
- Compliance Work Plan for July 2019 – June 2020
- Compliance Inspection Calendar for July 2019 – June 2020
- PGE Independent Spent Fuel Storage Installation Update
- Montague Wind Power Facility Construction update
- North Mist Expansion Project update

EFSC Energy Facilities

32 Site Certificates Under the Jurisdiction of the Energy Facility Siting Council

Wind

- 8 Operating
- 4 Approved (but not built)
- 1 Under Construction

Natural Gas

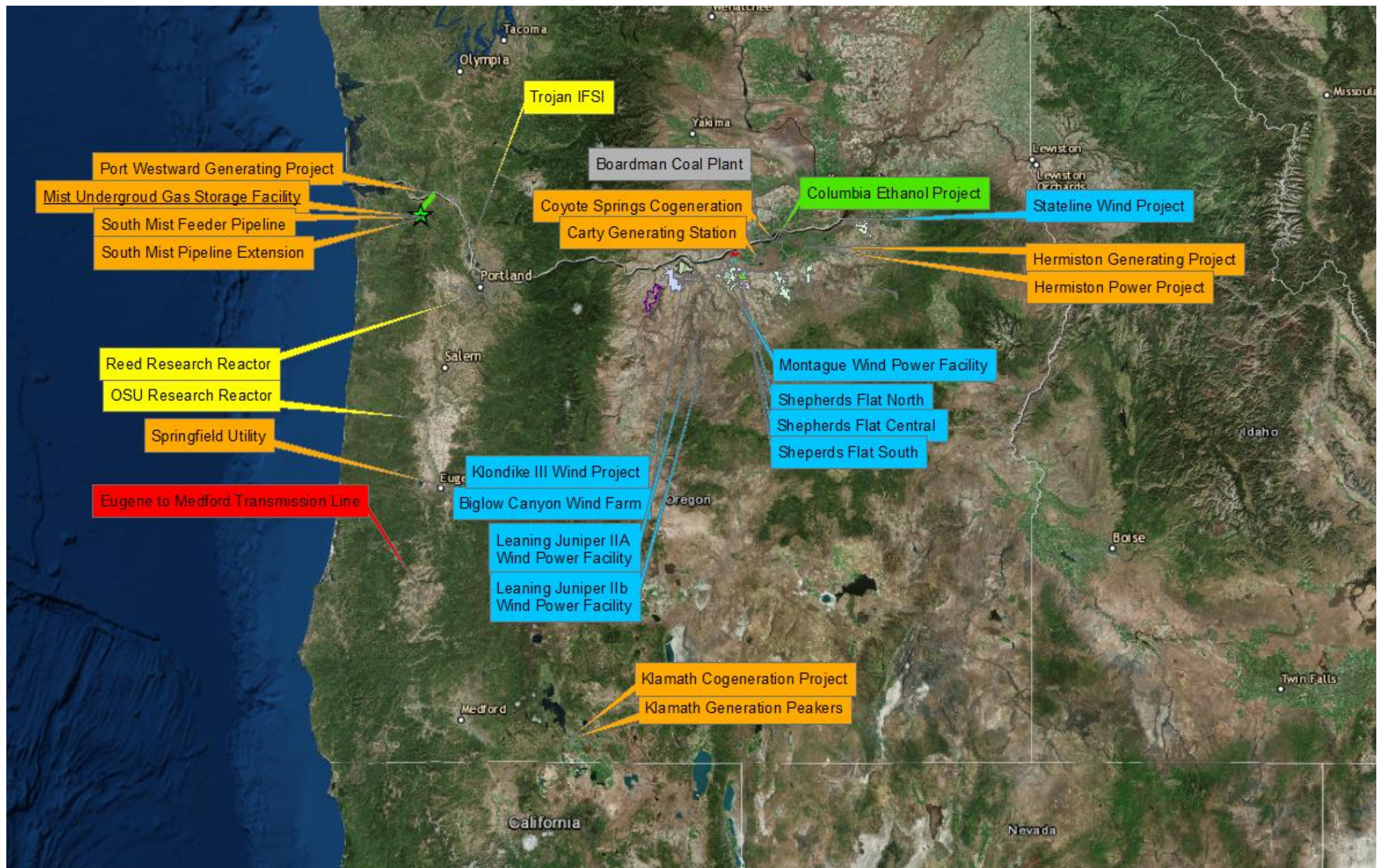
- 7 Operating
- 2 Underground Natural Gas Pipelines
- 1 Underground Natural Gas Storage Facility
- 1 Natural Gas Approved but Not Built

Nuclear

- 2 Research Reactors
- 1 Decommissioned Nuclear Facility (Trojan) (ISFSI)

Others

- 1 Solar Facility (Approved but not built)
- 1 Steam Generator
- 1 Ethanol Facility
- 1 500 kV Transmission Line
- 1 Coal Facility



Compliance Work Plan

Annual Tasks

- Facility Inspections
- Annual Report Review
- Financial Assurance Update
- Annual Assessment

Compliance Work Plan

Process Improvement Tasks

- Notice of Violation Procedures
- Compliance Program Evaluation
- Habitat Mitigation Area Assessment
- Site Certificate Transition
- Exempt Facilities and Non-Jurisdictional Facilities
- Reed and OSU Annual Report Review

Compliance Inspection Calendar for July 2019 – June 2020

July - 2019	August - 2019	September - 2019	October - 2019
MST End of Construction Inspection	Leaning Juniper II A Leaning Juniper II B MWP Construction Inspection	Coyote Springs Cogen PGE Coyote Springs Cogen Avista	Klamath Cogeneration Project Klamath Generation Peakers
November - 2019	December - 2019	January - 2020	February - 2020
Columbia Ethanol Project MWP Construction Inspection	Carty Generating Station	Port Westward 1&2 MWP End of Construction Inspection	Hermiston Generating Project Hermiston Power Project
March - 2020	April - 2020	May - 2020	June - 2020
Biglow Canyon Wind Farm	Shepherds Flat North Shepherds Flat Central Shepherds Flat South	State Line Wind Project Klondike III Wind Project	*Leaning Juniper II A - HMA *Leaning Juniper II B - HMA

Trojan Nuclear Power Plant Independent Spent Fuel Storage Installation (ISFSI) License Renewal Update

ISFSI License History

Site Certificate Issued: July 1971 (Oregon's only nuclear facility)

Operational History: March 1976 to January 1993 (~17 years)

Historic Location: U.S. Highway 30, approx. 12 miles north of St. Helens, Columbia County

Unrestricted Release of the Site

ISFSI Permit: Allows for storage of spent fuel from Trojan Nuclear Plant operations

ISFSI Permit Renewal: Issued by Nuclear Regulatory Commission

ISFSI License Renewal Update



PGE Request for Certificate Renewal

- PGE Extension Request
- ISFSI Installation to 2059
- Revisions to Safety Analysis Report and the Aging Management Program
- Tollgate Assessments



Impact Limiter



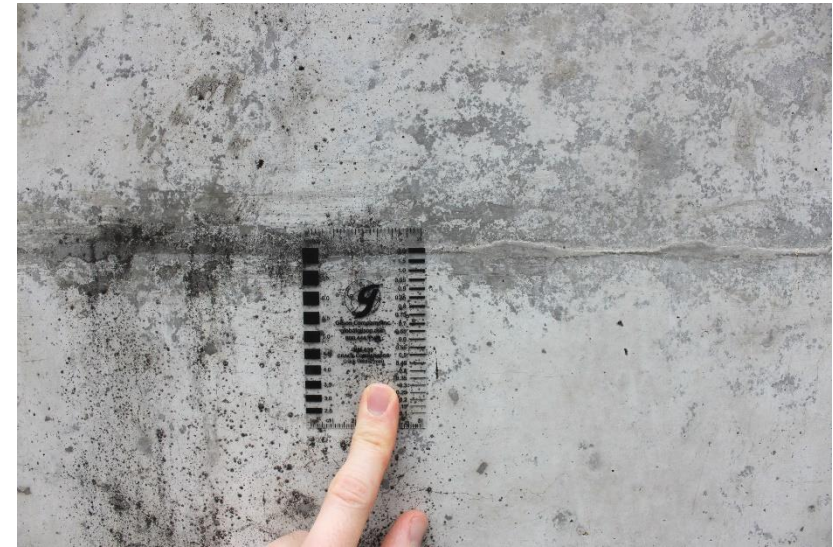
Transfer Cask

ODOE Review Status Update

- Field Visit for Structural Review
- Structural Analysis
- Request for Additional Information



Top view of one cask



Inspection included detailed measurement of selected surface scaling, pitting on concrete.

Montague Wind Power Facility: Construction Update

Facility Overview

Certificate Holder:	Montague Wind Power Facility, LLC
Certificate Holder Parent Company:	Avangrid Renewables
Type of Facility (Under Construction):	202 MW wind; 56 wind turbines
Related or Supporting Facilities:	<ul style="list-style-type: none">- substation- meteorological towers- power collection system- transmission line- supervisory control & data acquisition (SCADA)- access roads- temporary laydown areas

Phase 1 – Construction Status

Date	Activity
September 2017	Meteorological Tower Installation
November 2018	Roads, Foundations, Electrical System
March 2019	Wind Turbine Delivery/Installation
July 2019	Wind Turbine Installation/Transmission Line
August 2019	Energized Substation and Transmission Line
September 2019	Turbine Commissioning and Energization
October 2019	Begin commercial operation
November 2019	Site demobilization
December 2019	Final completion

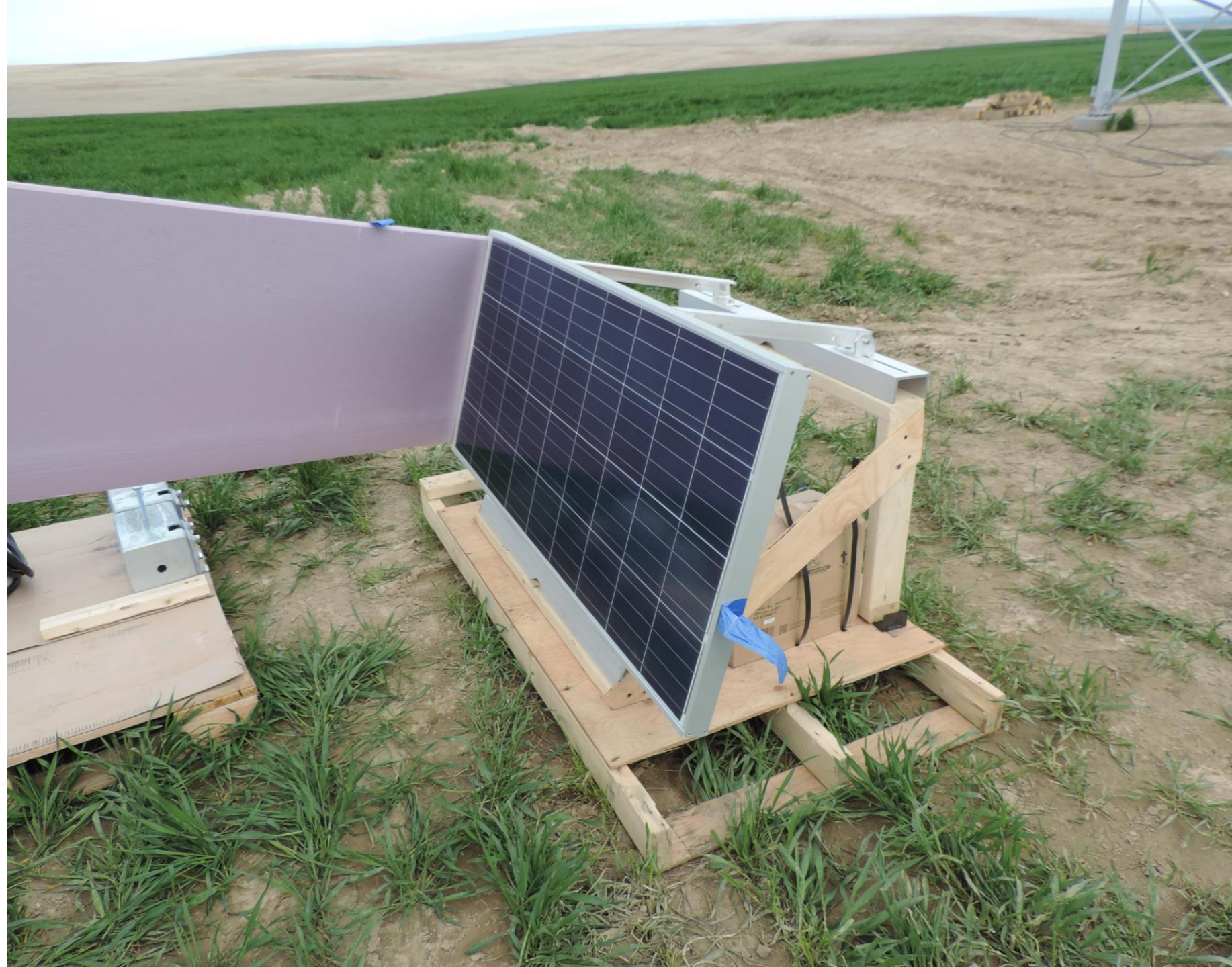
MET tower



MET tower lighting



Solar power



Road construction



Construction crane mats



Typical nacelle



Wind turbine
blade

Serrated
blade tip



Turbine
transformer



Finished Road Work



Turbine string road demarcation



Sub station



Sub station



Sub station



North Mist Expansion Project Update

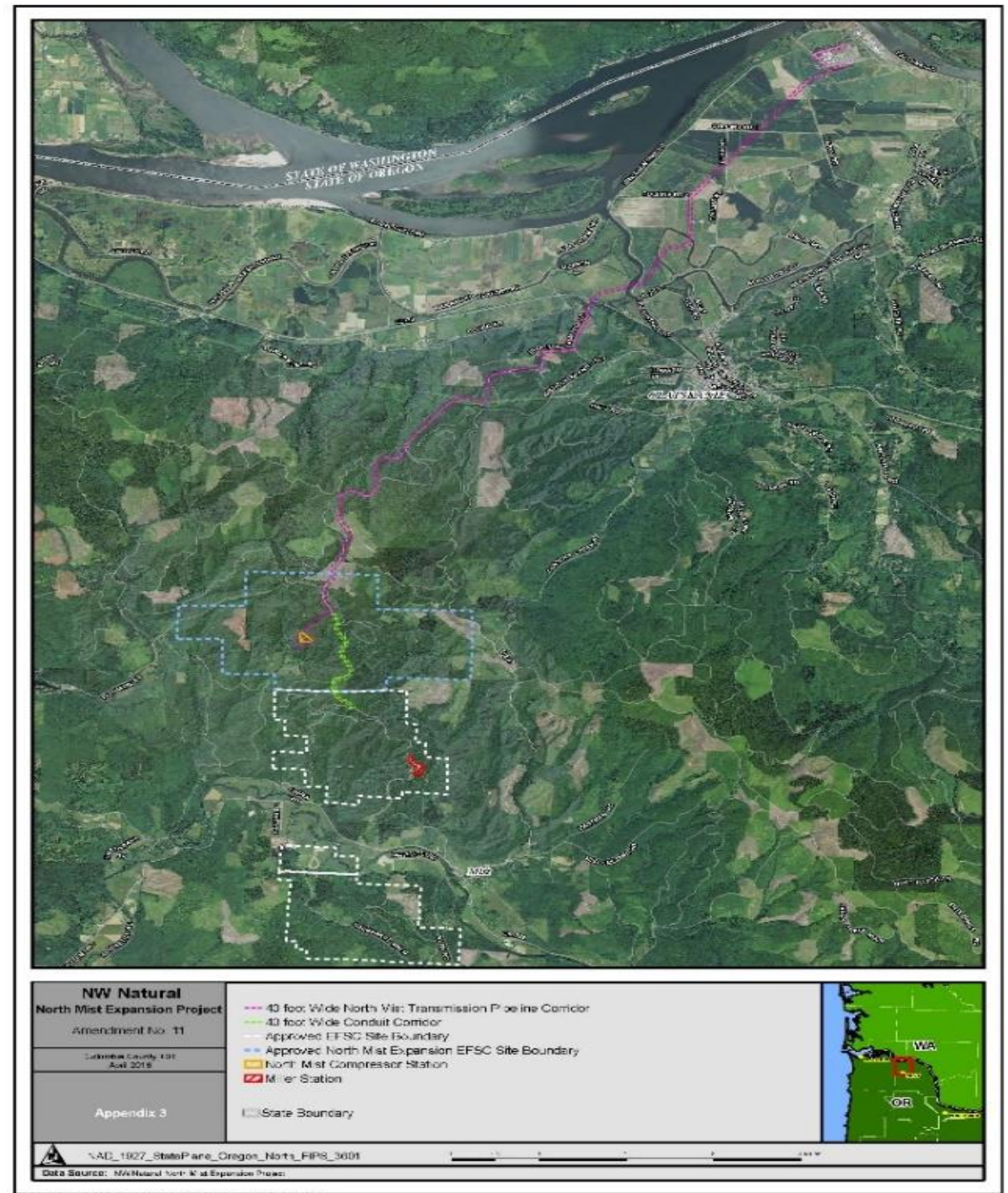
North Mist Expansion Project

Certificate Holder: NW Natural
Gas Company

Type of Facility: Natural gas
storage

Location: Columbia County

Status: Operating



Mist Underground Natural Gas Facility

- **Site certificate holder:** NW Natural Gas Company
- **Existing Facility:** Underground natural gas storage, plus associated related and supporting facilities
 - Bruer/Flora reservoirs
 - Calvin Creek reservoirs
 - Miller Station
- **Location:** Columbia County
- **Council Jurisdiction:** Above-ground components and related and supporting facilities

Mist Underground Natural Gas Facility

- Components of Amendment 11 include:
 - Expansion of the site boundary
 - Development of the Adams reservoir
 - North Mist Compressor Station (NMCS)
 - Underground utilities from Miller Station to the NMCS
 - North Mist Transmission Pipeline (NMTP), ~12 mile gas pipeline from the NMCS to Port Westward Industrial Park

Construction Status

Date	Activity
June 18, 2017	Start of Construction
December 8, 2017	90% of Pipeline installed / Compressor Station 15% Complete
May 10, 2018	99% of Pipeline Installed / Compressor Station 35% Complete
January 15, 2019	100% of Pipeline Installed / Compressor Station 75% Complete
July 11, 2019	100% of Pipeline Installed, Gas Injection into the Reservoir Substantial Completion of the Compressor Station
August 2019	Finalized Construction, Commissioning, and Equipment Functional Testing for both injection and withdrawal

Sediment fencing



Sediment fencing



Check dams



Environmental equipment mats



Environmental
equipment mats



Horizontal Directional Drilling (HDD)



Water bars



Water bars



Water bars



HDD Site Location



IW Wells



North Mist Compressor Station



North Mist Compressor Station



Agenda Item N (Information Item)

Port Westward Generating Project Council Review of Request for Amendment 11, Draft Proposed Order, and Public Comments

September 27, 2019

Christopher M. Clark, Siting Policy Analyst

Presentation Overview

- Certificate holder, facility, and facility location
- Requested Amendments
- Procedural history
- Summary of Draft Proposed Order
- Summary of Public Comments

Port Westward Generating Project



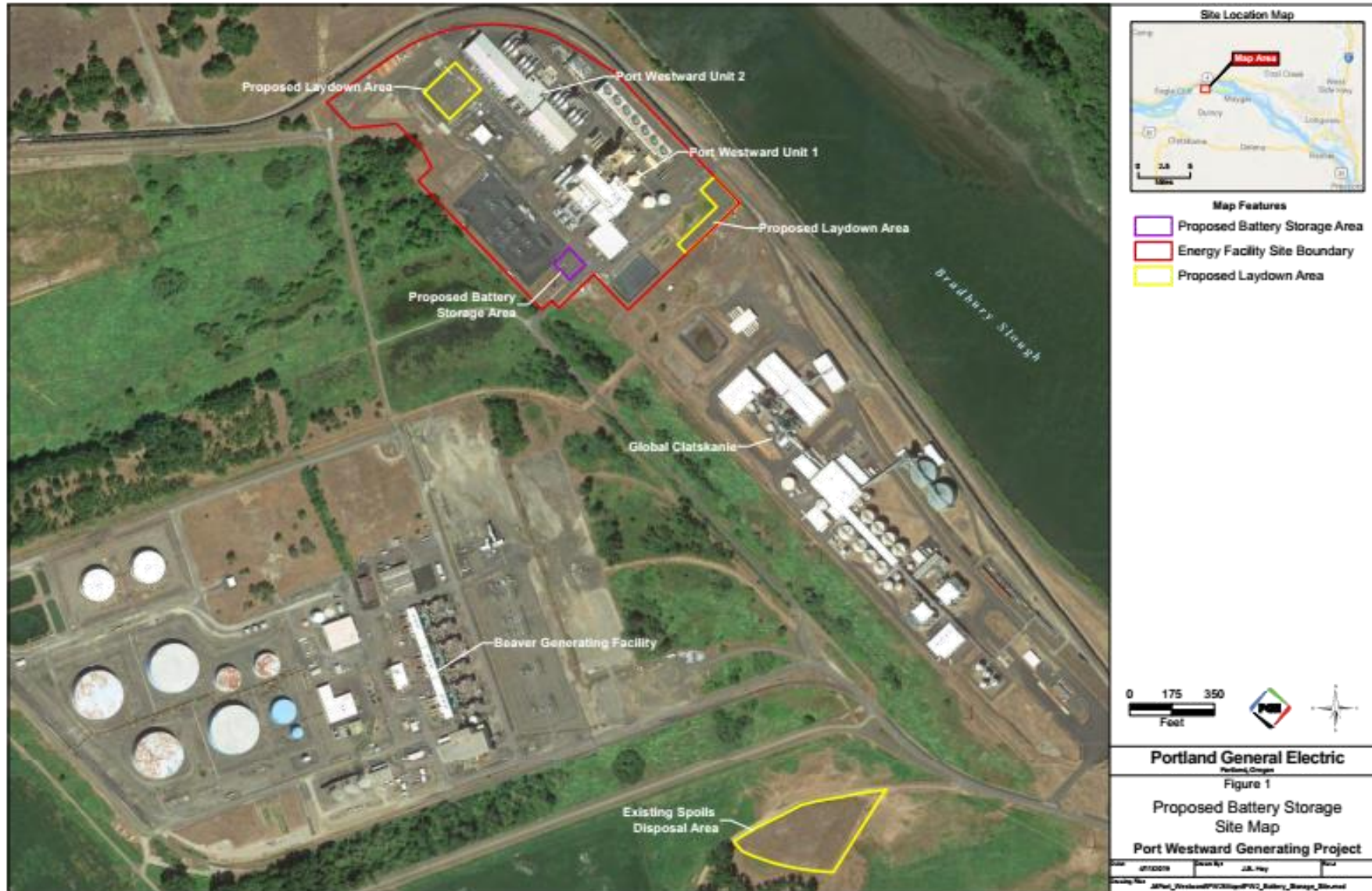
Port Westward Generating Project
Photo Credit: PGE

- **Certificate Holder:** Portland General Electric Company
- **Type of Facility:** 650 MW natural gas-fired power plant comprised of one 411 MW base load combined cycle generating plant, one 220 MW non-base load generating plant, and related or supporting facilities
- **Facility Location:** Port Westward Industrial Park; Columbia County
- **Status:** Operating

Requested Amendments

- Request for Amendment 11 seeks authorization to:
 - Construct and operate a 4-6 MW Battery Energy Storage System (BESS) within the existing energy facility site boundary.
 - Make administrative corrections to the facility description.
 - Allow use of secondary spill containment options that do not require installation of permanent pavement.
 - Modify revegetation success criteria and move revegetation conditions from site certificate to a Revegetation and Noxious Weed Control Plan.
 - Modify a condition related to wetland buffers.
 - Remove a condition related to bald eagles.
- Request for Amendment 11 does not proposed to change the site boundary, or the design and layout of existing facilities.

Requested Amendments



Procedural History

Requirement	Responsible Party	Date
Preliminary Request for Amendment 11	Certificate Holder	April 23, 2019
Complete Request for Amendment 11	Certificate Holder	July 12, 2019
Draft Proposed Order Issued	ODOE	August 29, 2019
Comment Period (45 days)	ODOE	August 29 – September 26, 2019
Public Hearing (Today)	EFSC	September 26, 2019
Council Review of Draft Proposed Order	EFSC	September 27, 2019*
Proposed Order and Notice of Contested Case Issued	ODOE	TBD
Contested Case Proceeding	EFSC	TBD
Final Order/Amended Site Certificate	EFSC	TBD

*The certificate holder will have the opportunity to request additional time to respond to public comments. If such a request is granted, Council's review of the Draft Proposed Order would not occur until a later date.

Summary of Draft Proposed Order

- Comments incorporated from:
 - Columbia County (Special Advisory Group)
 - Oregon Department of Fish and Wildlife
- Scope of Council's Review:
 - Does the facility, with the proposed change, comply with the applicable laws or Council standards that protect a resource or interest that could be affected by the proposed change?
 - Is the amount of the bond or letter of credit adequate?
- Staff recommendation
 - Staff recommends Council find the facility, with the proposed changes, would comply with applicable laws and standards based on compliance with existing and proposed conditions.

Council Discussion

Next Steps

BREAK

Agenda Item XX (Information Item)

Title

Date

Presenter, Position, Affiliation

Council Deliberation

Adjourn

