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
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

• **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

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*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*

*No new or amended conditions, or only administrative changes recommended
• 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)
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)
• 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 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 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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- **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
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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.
• 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 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
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
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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 Warms 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
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
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
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
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
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
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

• 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

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<th>Wind</th>
<th>Natural Gas</th>
<th>Nuclear</th>
<th>Others</th>
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<td>• 8 Operating</td>
<td>• 7 Operating</td>
<td>• 2 Research Reactors</td>
<td>• 1 Solar Facility</td>
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<td>• 4 Approved (but not built)</td>
<td>• 2 Underground Natural Gas Pipelines</td>
<td>• 1 Decommissioned Nuclear Facility (Trojan) (ISFSI)</td>
<td>• 1 Steam Generator</td>
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<td>• 1 Ethanol Facility</td>
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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

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<td>Columbia Ethanol Project</td>
<td>Carty Generating Station</td>
<td>Port Westward 1&amp;2 MWP End of Construction Inspection</td>
<td>Hermiston Generating Project</td>
</tr>
<tr>
<td>MWP Construction Inspection</td>
<td></td>
<td></td>
<td>Hermiston Power Project</td>
</tr>
<tr>
<td>March - 2020</td>
<td>April - 2020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biglow Canyon Wind Farm</td>
<td>Shepherds Flat North</td>
<td>State Line Wind Project</td>
<td>*Leaning Juniper II A - HMA</td>
</tr>
<tr>
<td></td>
<td>Shepherds Flat Central</td>
<td></td>
<td>*Leaning Juniper II B - HMA</td>
</tr>
<tr>
<td></td>
<td>Shepherds Flat South</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
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</tr>
</tbody>
</table>
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 Site/Site Boundary Location

**Site Boundary**

- Contains approximately 33,717 acres
- Private land, within Gilliam County

**Site Certificate History**

- Site Certificate effective Sept. 10, 2010

Site Certificate amended four times:
- June 2013
- December 2015
- July 2017
- August 2019
## Facility Overview

<table>
<thead>
<tr>
<th>Certificate Holder:</th>
<th>Montague Wind Power Facility, LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificate Holder Parent Company:</td>
<td>Avangrid Renewables</td>
</tr>
<tr>
<td>Type of Facility (Under Construction):</td>
<td>202 MW wind; 56 wind turbines</td>
</tr>
</tbody>
</table>
| Related or Supporting Facilities: | - substation  
- meteorological towers  
- power collection system  
- transmission line  
- supervisory control & data acquisition (SCADA)  
- access roads  
- temporary laydown areas |
## Phase 1 – Construction Status

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 2017</td>
<td>Meteorological Tower Installation</td>
</tr>
<tr>
<td>November 2018</td>
<td>Roads, Foundations, Electrical System</td>
</tr>
<tr>
<td>March 2019</td>
<td>Wind Turbine Delivery/Installation</td>
</tr>
<tr>
<td>July 2019</td>
<td>Wind Turbine Installation/Transmission Line</td>
</tr>
<tr>
<td>August 2019</td>
<td>Energized Substation and Transmission Line</td>
</tr>
<tr>
<td>September 2019</td>
<td>Turbine Commissioning and Energization</td>
</tr>
<tr>
<td>October 2019</td>
<td>Begin commercial operation</td>
</tr>
<tr>
<td>November 2019</td>
<td>Site demobilization</td>
</tr>
<tr>
<td>December 2019</td>
<td>Final completion</td>
</tr>
</tbody>
</table>
MET tower
MET tower lighting
Solar power
Road construction
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

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 18, 2017</td>
<td>Start of Construction</td>
</tr>
<tr>
<td>December 8, 2017</td>
<td>90% of Pipeline installed / Compressor Station 15% Complete</td>
</tr>
<tr>
<td>May 10, 2018</td>
<td>99% of Pipeline Installed / Compressor Station 35% Complete</td>
</tr>
<tr>
<td>January 15, 2019</td>
<td>100% of Pipeline Installed / Compressor Station 75% Complete</td>
</tr>
<tr>
<td>July 11, 2019</td>
<td>100% of Pipeline Installed, Gas Injection into the Reservoir Substantial Completion of the Compressor Station</td>
</tr>
<tr>
<td>August 2019</td>
<td>Finalized Construction, Commissioning, and Equipment Functional Testing for both injection and withdrawal</td>
</tr>
</tbody>
</table>
Sediment fencing
Sediment fencing
Check dams
Environmental equipment mats
Environmental equipment mats
Horizontal Directional Drilling (HDD)
Water bars
Water bars
Water bars
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

• **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

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

*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