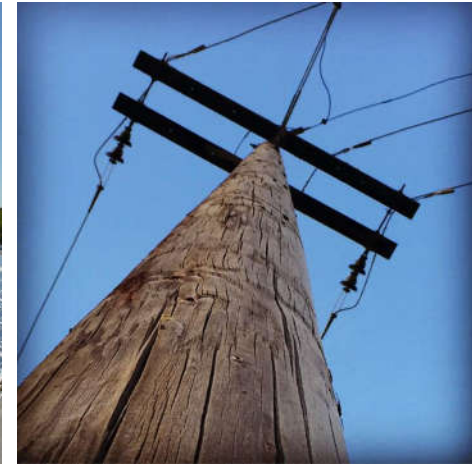


# Oregon Department of **ENERGY**

Energy Facility Siting  
Council Meeting

Virtual Meeting –  
Teleconference and  
Zoom

September 25, 2020



# Opening Items:

- Call to Order
- Roll Call
- Announcements

# Announcements:

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- 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:

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- 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

- July Meeting Minutes
- August Meeting Minutes
- Council Secretary Report

# Agenda Item B (Action Item)

## **Council Appointment of Klamath County Board of Commissioners as Special Advisory Group for Bonanza Energy Facility**

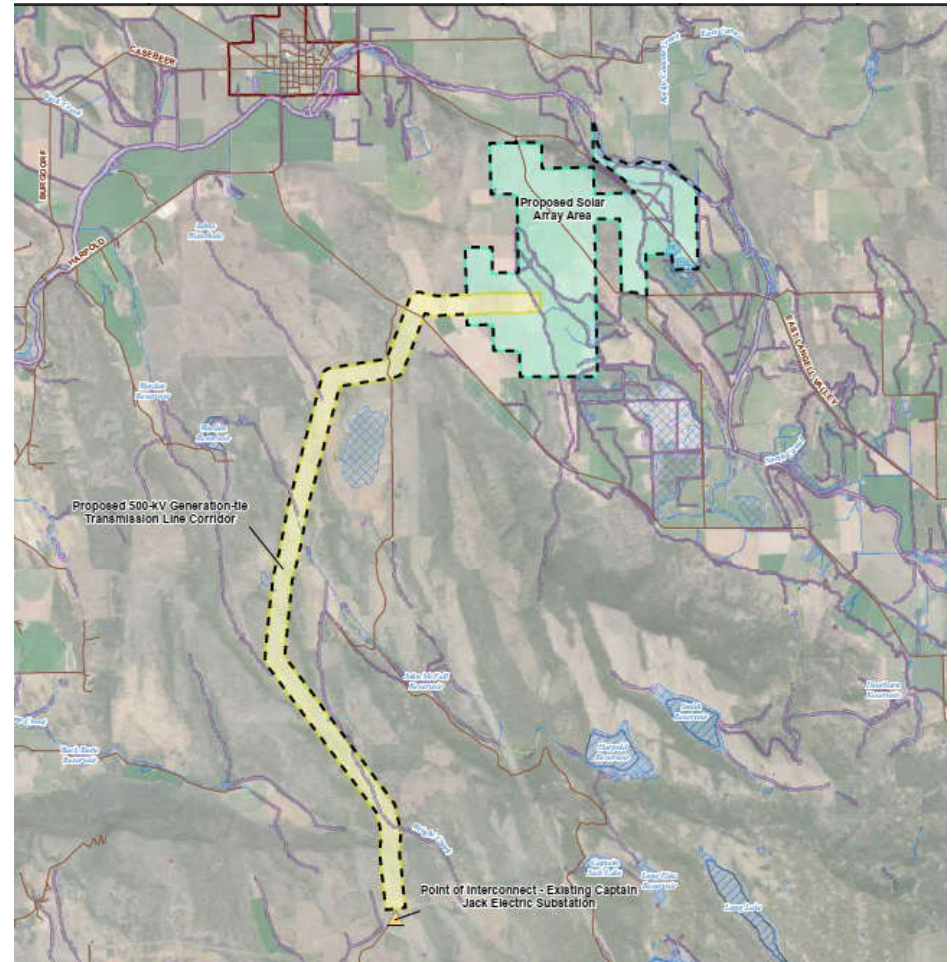
September 25, 2020

Katie Clifford, Senior Siting Analyst, Oregon Department of Energy



# Facility Background

- **Applicant:** Hecate Energy Bonanza LLC
- **Type of Facility:** Solar photovoltaic (PV)
- **Location:** Klamath County near Bonanza
- **Status:** Notice of Intent received August 7<sup>th</sup>. Application anticipated February 2021



# Special Advisory Group Appointment

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- ORS 469.480(1) requires EFSC to designate as a special advisory group the governing body of any local government within whose jurisdiction the facility would be located.
- Klamath County Board of Commissioners is the governing body for Klamath County.
- The Department recommends that the Council designate the Klamath County Board of Commissioners as the special advisory group for the proposed Bonanza Energy Facility.



# Agenda Item C (Action Item)

## **Initiation of Rulemaking to Ensure Safe Public Meetings and Hearings**

**September 25, 2020**

**Christopher M. Clark, Siting Policy Analyst and Rules Coordinator**



# Background

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- Some rules require public meetings and hearings to be held in-person or in the “area affected” by an Application or Request for Amendment.
- COVID-19, wildfire, flooding, and winter storms can all present risks to the health and safety of the public or participants traveling to or attending in-person meetings.
- Executive Order 20-16 waived these requirements during the COVID-19 pandemic but was rescinded effective September 1, 2020.

# Need and Authority for Rules

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- Council may not waive requirements of ORS chapter 469, but may adopt rules allowing waiver of procedural requirements of OAR chapter 345 if needed to carry out effectively the duties, powers and responsibilities of the council.
- OAR 345-011-0015 and ORS 192.670 allow most public meetings to be held remotely, as long as public is provided opportunity to attend or participate by telephone or other electronic means.

# Potential Impacts on Stakeholders

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- Some stakeholders prefer attending meetings or providing testimony in person.
- Rules would mitigate some impacts by being used only extraordinary circumstances and by ensuring adequate opportunities for public participation under ORS 192.
- Rule is not expected to result in fiscal or economic impacts.
- Staff does not recommend use of RAC but we recommend Council accept advice during this agenda item.

# Draft Proposed Rule Language (Adopt: OAR 345-015-0003)

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- (1) The Council or Chair may waive any provision of OAR chapter 345 requiring that a public meeting or public hearing be held in person or in a specific geographical area, if:
  - (a) The Council or Chair finds that in-person attendance at the meeting or hearing would present a risk to public health or safety or the health and safety of the participants;
  - (b) The public meeting or public hearing is held through the use of telephone or other electronic communication in accordance with ORS 192.610 to 192.690; and
  - (c) For public hearings, the Council provides an opportunity for submission of testimony by telephone, video, or through some other electronic or virtual means, or provides a means of submitting written testimony, including by email or other electronic methods, that the Council may consider in a timely manner.
- (2) This rule does not apply to:
  - (a) Any meeting or hearing otherwise required to be held in-person or in a specified geographic location by ORS chapter 469; or
  - (b) A contested case hearing held pursuant to ORS chapter 183 and OAR chapter 345.



# Public Comment



# Council Decision

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## Option 1

Initiate Rulemaking  
and authorize  
Notice of Proposed  
Rulemaking.

## Option 2

Initiate Rulemaking  
and authorize  
Notice of Proposed  
Rulemaking, with  
modifications

## Option 3

No Action

# Agenda Item D (Action Item)

## **Montague Wind Power Facility Council Review of Proposed Order on Request for Amendment 5 of Site Certificate**

September 25, 2020

Sarah Esterson, Senior Siting Analyst





# Presentation Overview

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- Montague Wind Power Facility: Facility Overview and Site Certificate History
- Request for Amendment 5 (RFA 5) Proposed Changes
- Proposed Order (Action Item)



# Montague Wind Power Facility

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## Approved Facility

- Certificate holder: Montague Wind Power Facility, LLC
- Parent company: Avangrid Renewables, LLC
- Type of facility: 404 MW wind and solar
  - 201 MW wind currently in operation
- Site Boundary: Approximately 47,056 acres, private land in Gilliam County

## Site Certificate History

- Site Certificate approved 2010
- Amended four previous times

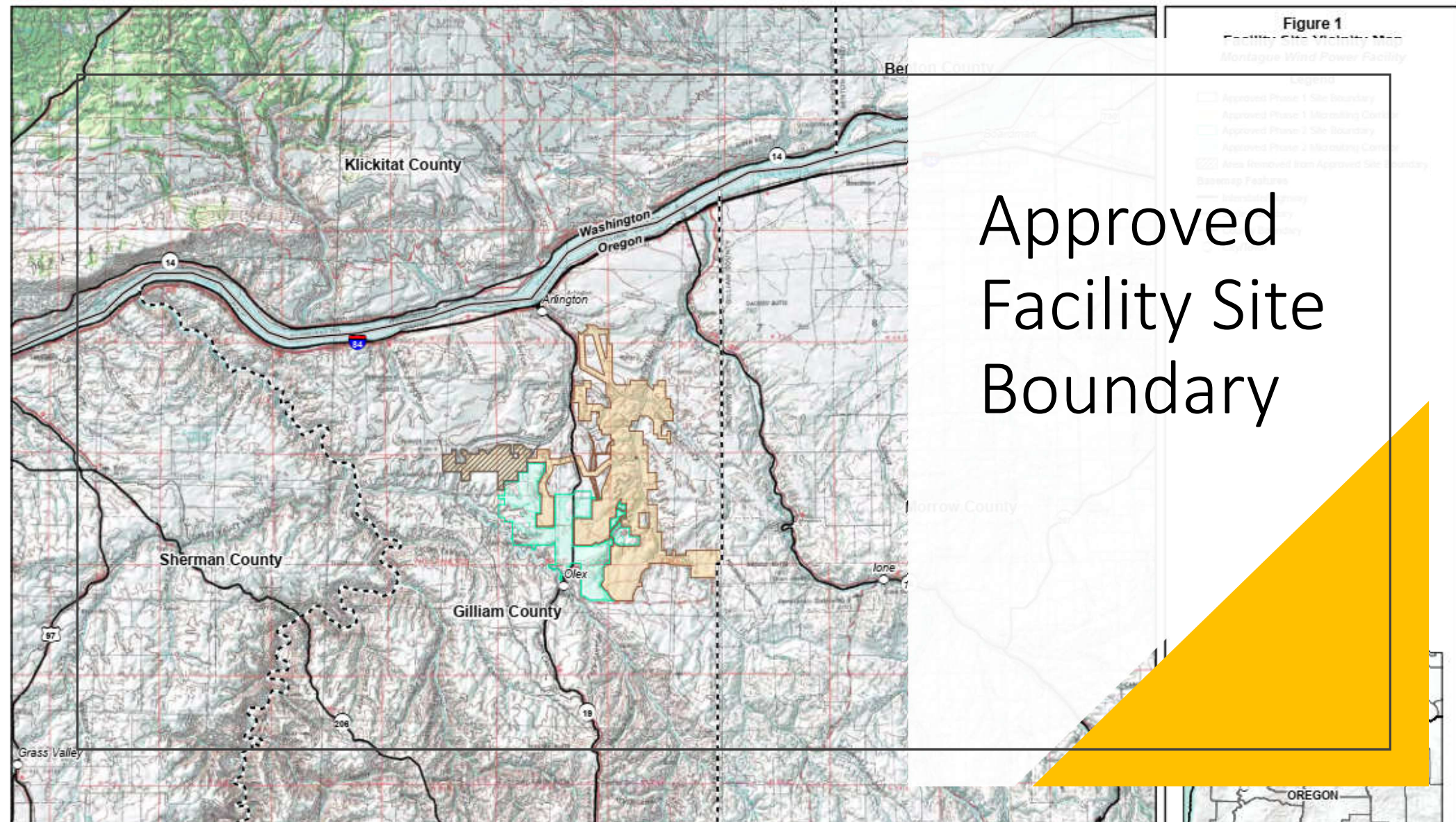


# Approved Facility Site Boundary

Figure 1

Facility Site Map

- Legend
- Approved Phase 1 Site Boundary
  - Approved Phase 1 Microturbine Cluster
  - Approved Phase 2 Site Boundary
  - Approved Phase 2 Microturbine Cluster
  - Area Removed from Approved Site Boundary
  - Boundary Features

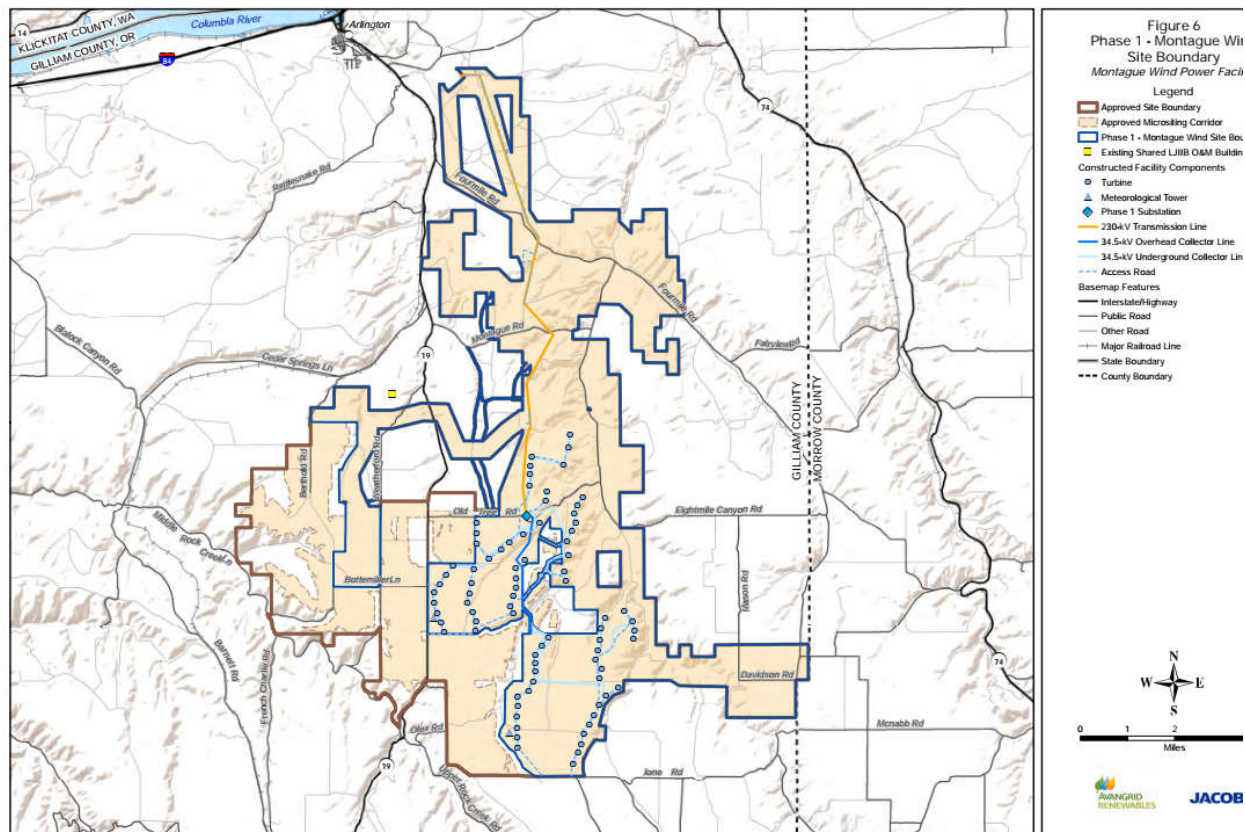


# RFA5 – Requested Modifications

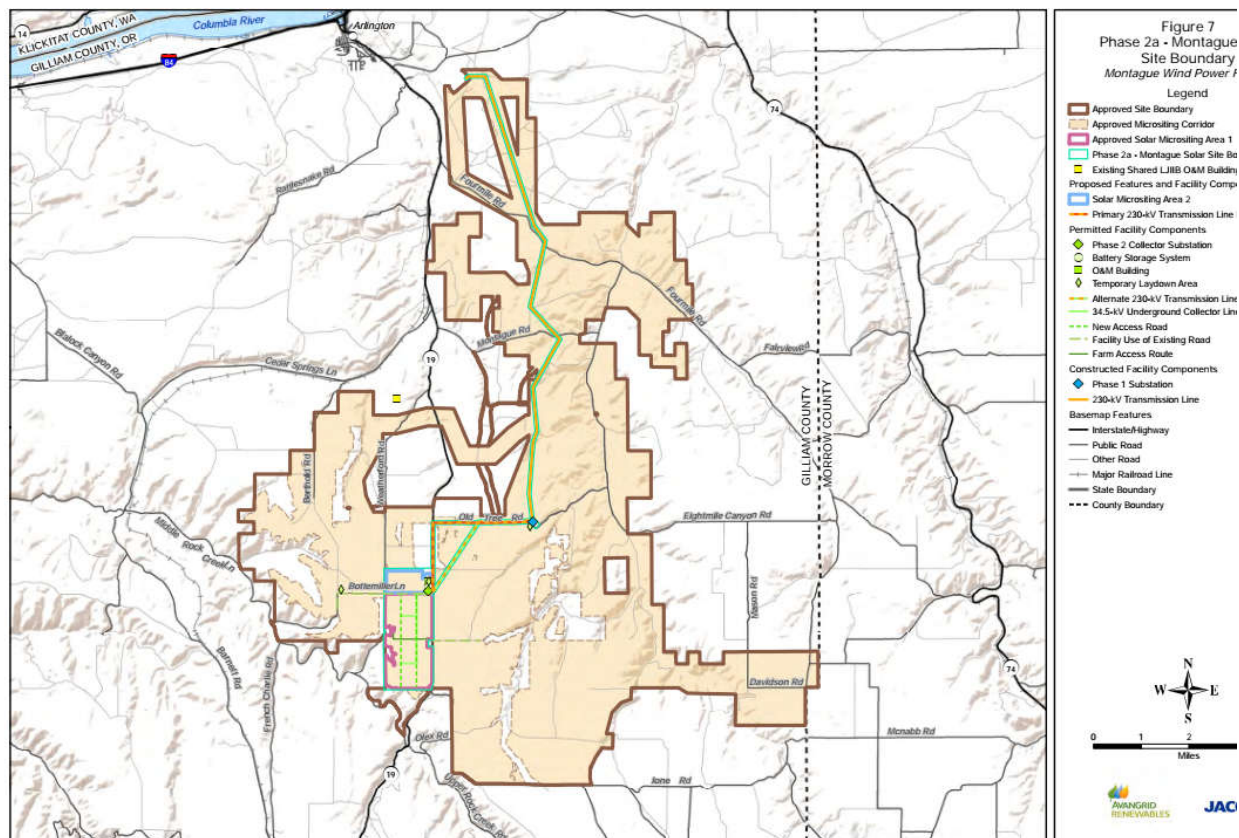
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- Split previously approved facility components into three site certificates:
  - Montague Wind Power Facility (201 megawatt (MW) wind) (Fifth Amended Site Certificate)
  - Montague Solar Facility (162 MW solar) (Original Site Certificate)
  - Oregon Trail Solar Facility (41 MW wind and solar) (Original Site Certificate)
- Construct and operate new equipment;
- Use an alternative route for a transmission line segment;
- Increase solar microsite area;
- Reduce site boundary;
- And, modify site certificate conditions

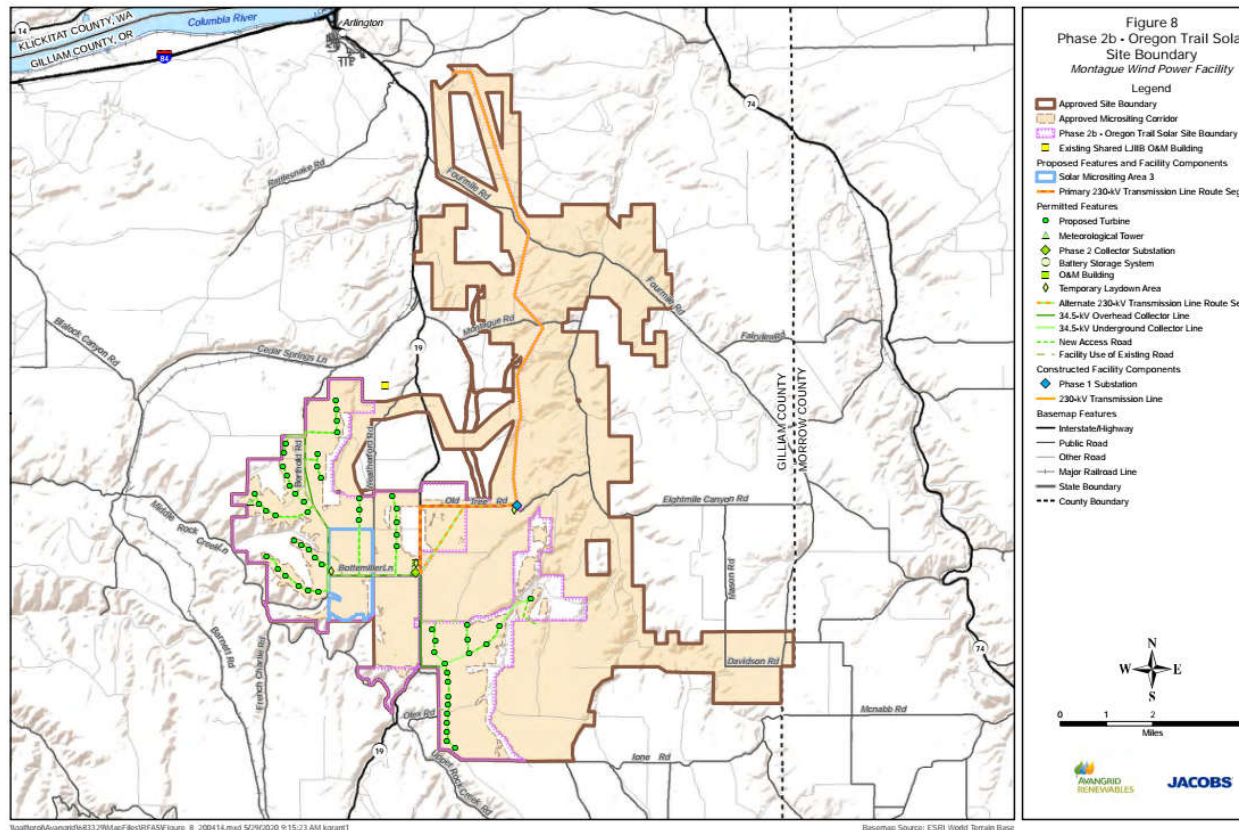




# Montague Wind Power Facility Site Boundary



# Montague Solar Facility Site Boundary



# Oregon Trail Solar Facility Site Boundary

# RFA5 – Procedural History

Requirement	Responsible Party	Date
Preliminary Request for Amendment 5	Certificate Holder	April 20, 2020
Type B Determination	ODOE	May 19, 2020
Complete RFA5 Received	Certificate Holder	May 29, 2020
Draft Proposed Order Issued (Type A) (27-day comment period)	ODOE	June 26, 2020
Draft Proposed Order Public Hearing	ODOE	July 23, 2020
Proposed Order	ODOE	July 30, 2020
Council review of Proposed Order	EFSC	Today, Sept 25, 2020
Final Order/Amended & New Site Certificates	EFSC	TBD





# Overview of Proposed Order

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## Summary of Changes – Amended Conditions

- Condition 118(b) – clarified ADR requirement for each certificate holder of future modification of shared facility components
- Condition 32 – included reference to updated retirement cost tables for each facility
- Condition 49(b) – increased mitigation obligation for visual impacts to Weatherford Barn from expanded solar area

# Overview of Proposed Order

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- Examples of edits:
  - **Recommended Amended Condition 118(b):** If certificate holders of the Montague Wind Power Facility, Montague Solar Facility or Oregon Trail Solar Facility propose to substantially modify any of the shared facilities listed in sub(a) of this condition, each certificate holder shall submit an amendment determination request or request for site certificate amendment to obtain a determination from the Department on whether a site certificate amendment is required or to process an amendment for both site certificates. If certificate holders opt to submit an amendment determination request, the requirement may be satisfied through submittal of a single amendment determination request with authorization (or signature) provided from all three certificate holders.

# Overview of Proposed Order

---

## **Organizational Expertise [OAR 345-022-0010]**

Proposed Order, Section III.A.2. (Starting on p. 30)

Amended Condition 118 – applies to amended and two new site certificates

- Clarifies responsibility for shared facility components
- Requires a shared-facilities agreement

# Overview of Proposed Order

---

## **Land Use [OAR 345-022-0030]**

Proposed Order, Section III.A.4 (Starting on p. 37)

New Condition Amended Condition 119 – applies to amended and new site certificates

- Requires each certificate holder to demonstrate compliance with county sign requirements

# Overview of Proposed Order

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## **Public Services [OAR 345-022-0100]**

Proposed Order, Section III.A.8 (Starting on p. 105)

Amended Condition 60 – Applies to new site certificates

- Requires Fire Safety Plans for solar facilities to include vegetation management, and discussion of potential mutual assistance

# Overview of Proposed Order

---

## **Siting Standards for Transmission Lines [OAR 345-024-0090]**

Proposed Order, Section III.A.9 (Starting on p. 107)

Amended Condition 80 – applies to amended and new site certificates

- Removed 200-foot setback restriction for transmission line structures to residential structures

# Overview of Proposed Order

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## **Other standards: administrative condition edits only**

- General Standard of Review
- Soil Protection
- Fish and Wildlife Habitat
- Threatened and Endangered Species
- Noise rules
- Public H&S for Wind Facilities

# Overview of Proposed Order

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## **Standards Not Affected by RFA5**

Proposed Order, Section III.B. (Starting on p. 117)

- Structural Standard [OAR 345-022-0020]
- Protected Areas [OAR 345-022-0040]
- Threatened and Endangered Species [OAR 345-022-0070]
- Scenic Resources [OAR 345-022-0080]
- Recreation [OAR 345-022-0100]
- Waste Minimization [OAR 345-022-0120]
- Cumulative Effects Standards for Wind Facilities [OAR 345-024-0015]
- Water Rights Laws



# Council Decision on the Proposed Order

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## Option 1

Approve Proposed Order and Adopt Final Order

## Option 2

Approve Proposed Order with Modifications and adopt Final Order

## Option 3

Deny Proposed Order, direct staff to make changes and re-issue Proposed Order

# Agenda Item E (Information Item)

## 2019 Housekeeping Rulemaking Update

September 25, 2020

Christopher M. Clark, Siting Policy Analyst and Rules Coordinator



# Background

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- On Sept. 27, 2019, Council adopted rules changes:
  - Specifying that rulemaking notices may be sent electronically and adopting procedures to update rulemaking mailing lists.
  - Updating definitions and procedural rules.
  - Reducing required number of printed copies of project materials and facilitating electronic distribution of materials to reviewing agencies.
  - Aligning property owner listing requirements with local government practices.
- During the rulemaking, Council received two requests for a statement of the rules objectives and how Council would evaluate.

# Objectives & Evaluation

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- Objectives identified in NOPR were:
  - To facilitate electronic transmission of application materials,
  - To improve the consistency of noticing requirements with statute and local government processes, and
  - To Reduce administrative and reporting costs to applicants and certificate holders. The rulemaking also had a secondary objective of improving the clarity, consistency, and readability of the rules.
- To evaluate, Council directed staff to flag any issues raised in complaints or comments from stakeholders and provide an evaluation in one year.
- Staff did not identify any complaints or comments related to implementation of the proposed rule.

# Agenda Item F

## Compliance Update Information Item

September 25, 2020

Presented by:

Duane Kilsdonk, Compliance Officer



# Presentation Overview

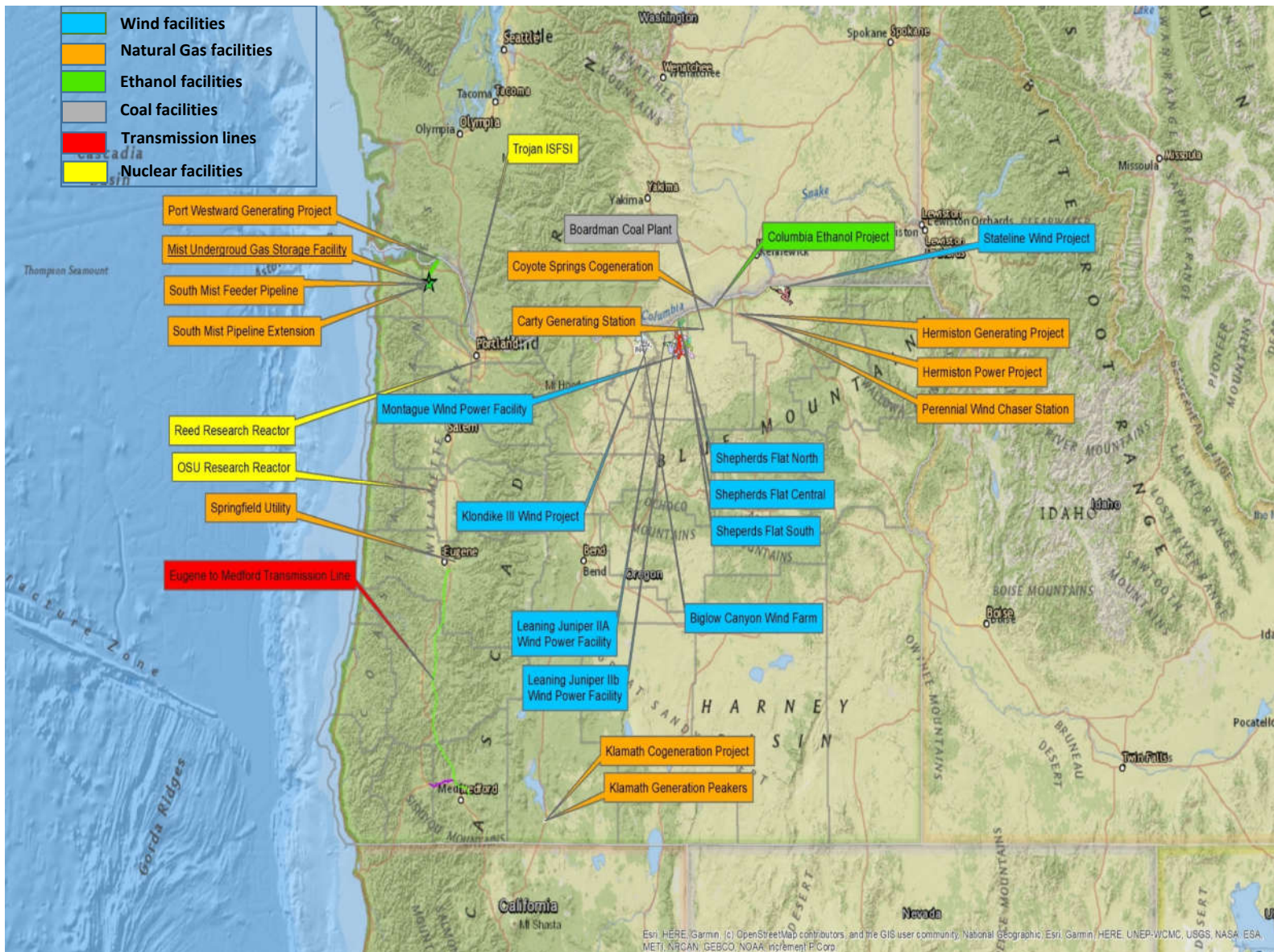
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- Operating Energy Facilities with Site Certificates
- Oregon Energy Facilities Map
- Compliance Work Plan for July 2020 – June 2021
- Compliance Inspection Calendar for July 2020 – June 2021
- PGE Independent Spent Fuel Storage Installation Update
- Summit Ridge Construction Update

# EFSC Energy Facilities

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

Wind	Natural Gas	Nuclear	Others
<ul style="list-style-type: none"><li>• 9 Operating</li><li>• 4 Under Construction</li></ul>	<ul style="list-style-type: none"><li>• 7 Operating</li><li>• 2 Underground Natural Gas Pipelines</li><li>• 1 Underground Natural Gas Storage Facility</li><li>• 1 Pre-Construction Stage</li></ul>	<ul style="list-style-type: none"><li>• 2 Research Reactors</li><li>• 1 Decommissioned Nuclear Facility (Trojan) (ISFSI)</li></ul>	<ul style="list-style-type: none"><li>• Solar Facilities (Approved but not built)</li><li>• 1 Steam Generator</li><li>• 1 Ethanol Facility</li><li>• 1 500 kV Transmission Line</li><li>• 1 Coal Facility</li><li>• Battery Storage</li></ul>





# Compliance Work Plan

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## Annual Tasks

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

# Compliance Work Plan

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## Process Improvement Tasks

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- Compliance Program Evaluation
- Habitat Mitigation Area Assessment
- Site Certificate Transition
- Reed and OSU Annual Report Review
- Incident Response Process

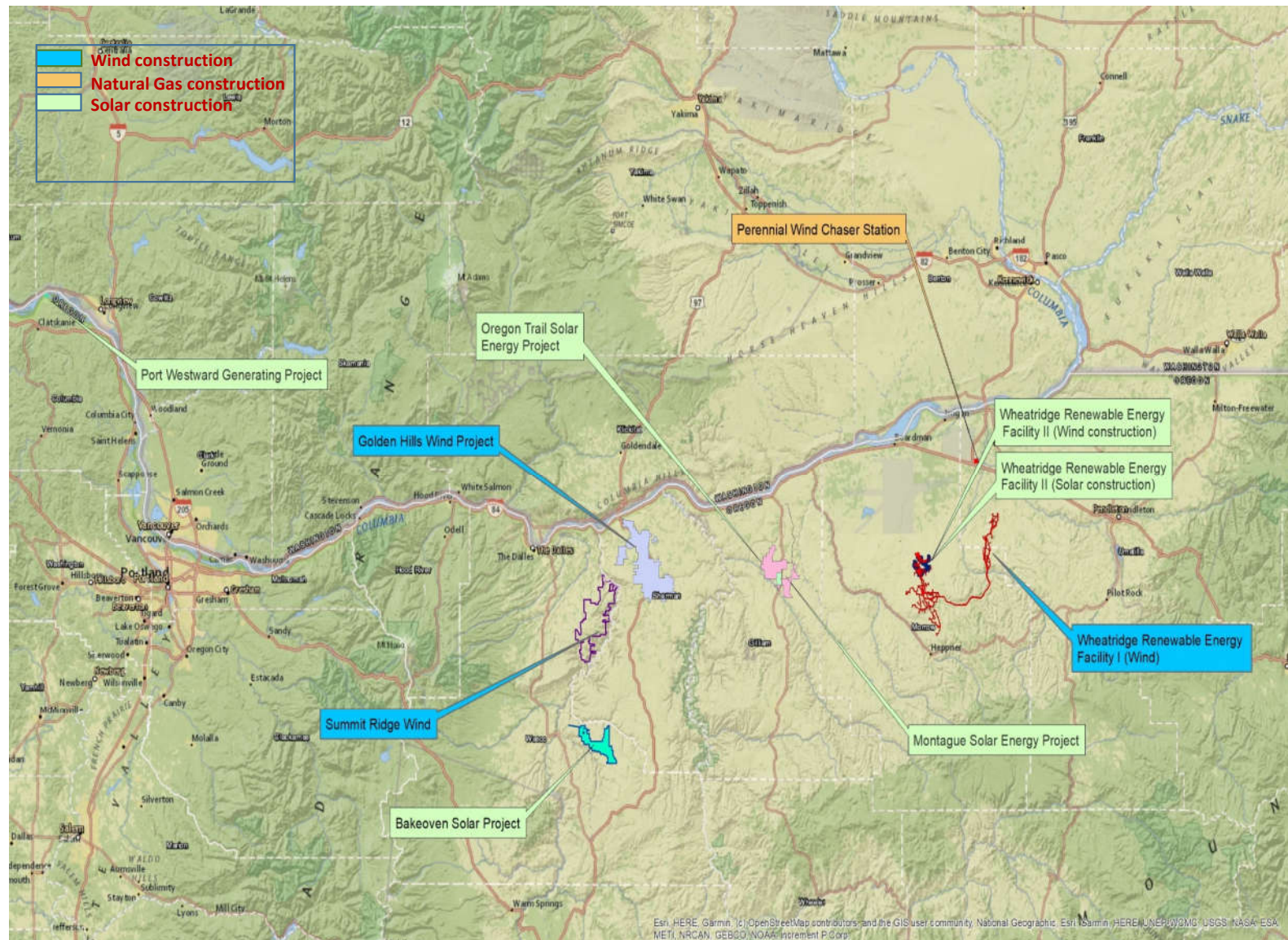
# Compliance Inspection Calendar for July 2020 – June 2021

July - 2020	August - 2020	September - 2020	October - 2020
Shepherds Flat North (C) Shepherds Flat Central (C) Shepherds Flat South (C) State Line Wind Project (C) Klondike Wind Project (C)	In Office: Compliance Work Assessment and compliance work plan. Project report catch-up.	Summit Ridge Const. (C) Coyote Springs Cogen (PGE) Coyote Springs Cogen (Avista) Perennial Wind Chaser Const.	3 X Wheat Ridge Const 1 <sup>ST</sup> Golden Hills Const.
November - 2020	December - 2020	January - 2021	February - 2021
Port Westward Battery Const. Leaning Juniper II A Leaning Juniper II B Biglow Canyon Wind Farm	Montague Wind Mist Under. Storage S. Mist Feeder S. Mist Extension	Port Westward 1&2	Columbia Ethanol Project Montague Solar Const.
March - 2021	April - 2021	May - 2021	June - 2021
Bakeoven Solar Const. (Tentative) Carty Generating Station	2 <sup>nd</sup> Golden Hills Const. Hermiston Generating Project Hermiston Power Project	Klamath Cogeneration Project Klamath Generation Peaker's Klondike III Wind Project Stateline Wind	Eugene – Medford Shepherds Flat North Shepherds Flat Central Shepherds Flat South

# Construction Projects 2020-2021

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Project
Bakeoven Solar Project
Golden Hills Wind Project
Montague Wind Power Facility (Solar components)
Port Westward Generating Project (Battery Energy Storage System)
Summit Ridge Wind Farm
Wheatridge Renewable Energy Facility I
Wheatridge Renewable Energy Facility II (Wind and Battery Energy Storage System)
Perennial Wind Chaser Station
Perennial Wind Station
Oregon Trail Solar



# **Independent Spent Fuel Storage Installation License Renewal: Project Update**



# Trojan Nuclear Plant/ISFSI License History

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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

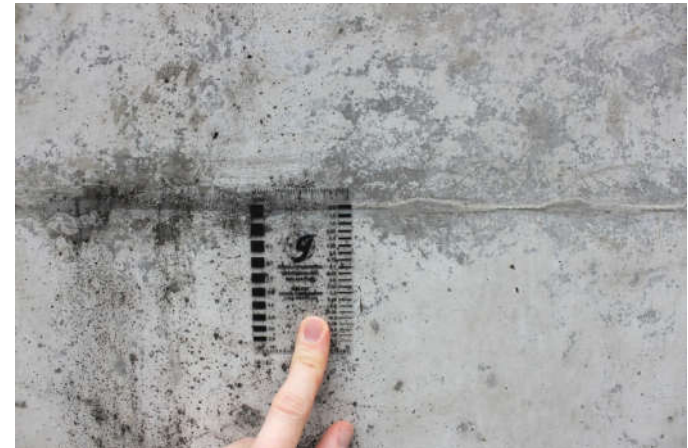
# ODOE Review Status Update

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- 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.

# Summit Ridge Wind Construction Update

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- Site Location
- Phase One of Construction
- Farm Road
- Limited to 0.8 miles
- Uneven and Sparse of Gravel



# Summit Ridge Wind Construction Update

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- Entrance to Main Access Route
- Removal of existing 10' Cattle Guard
- Replaced with Two 10' Cattle Guards





# Summit Ridge Wind Construction Update

- 20' Cattle Guard
- Collapsible Sides



# Summit Ridge Wind Construction Update

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- BMP's
- 10' Temporary Shoulders
- Seeded Area



# Summit Ridge Wind Construction Update

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- GPS Data Collected
- Average Road Width 20'
- 13 inches of Rock
- Total of 6,830.6 Tons of Rock



# Agenda Item F

## **PUBLIC COMMENT**



# Agenda Item H (Information Item)

## EFSC Submittal Requirements and Standards Overview

September 21, 2020

Todd Cornett, Siting Division Administrator/Council Secretary,  
Oregon Department of Energy



# EFSC Submittal Requirements & Standards

## Key Terms & Takeaways

- Burden of Proof  $x + y = ?$

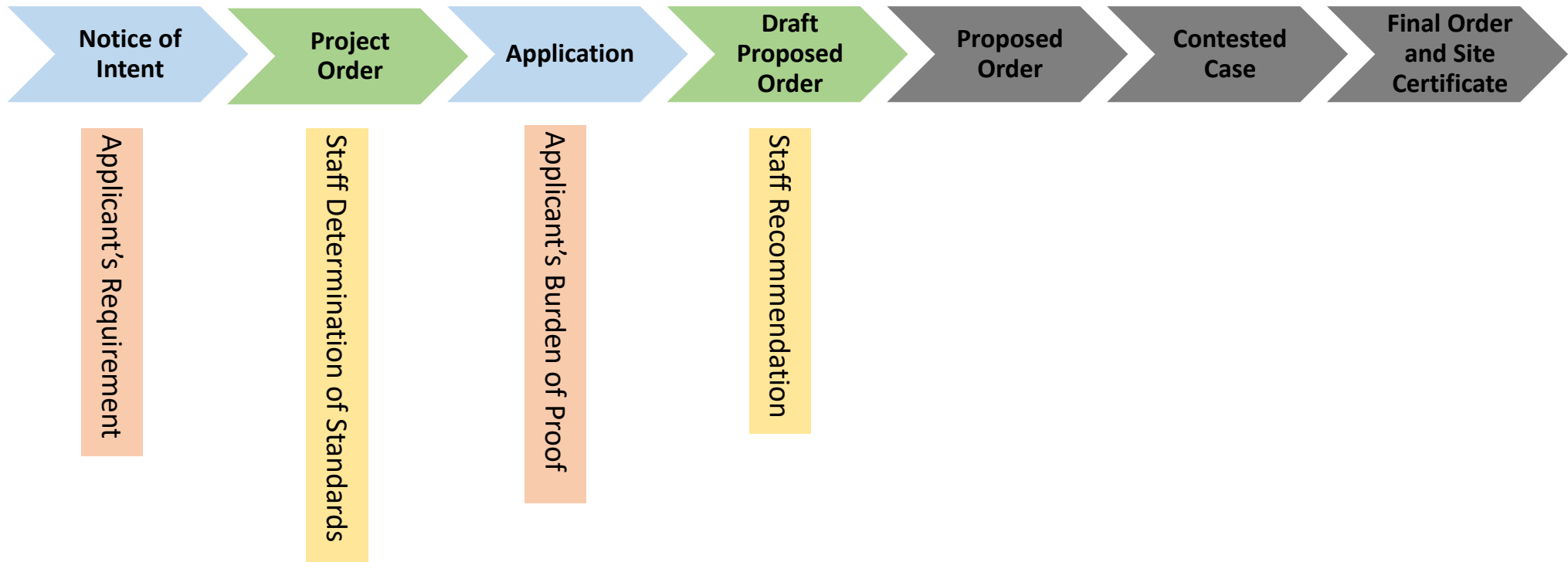
- Preponderance of Evidence

- Applicable Standards

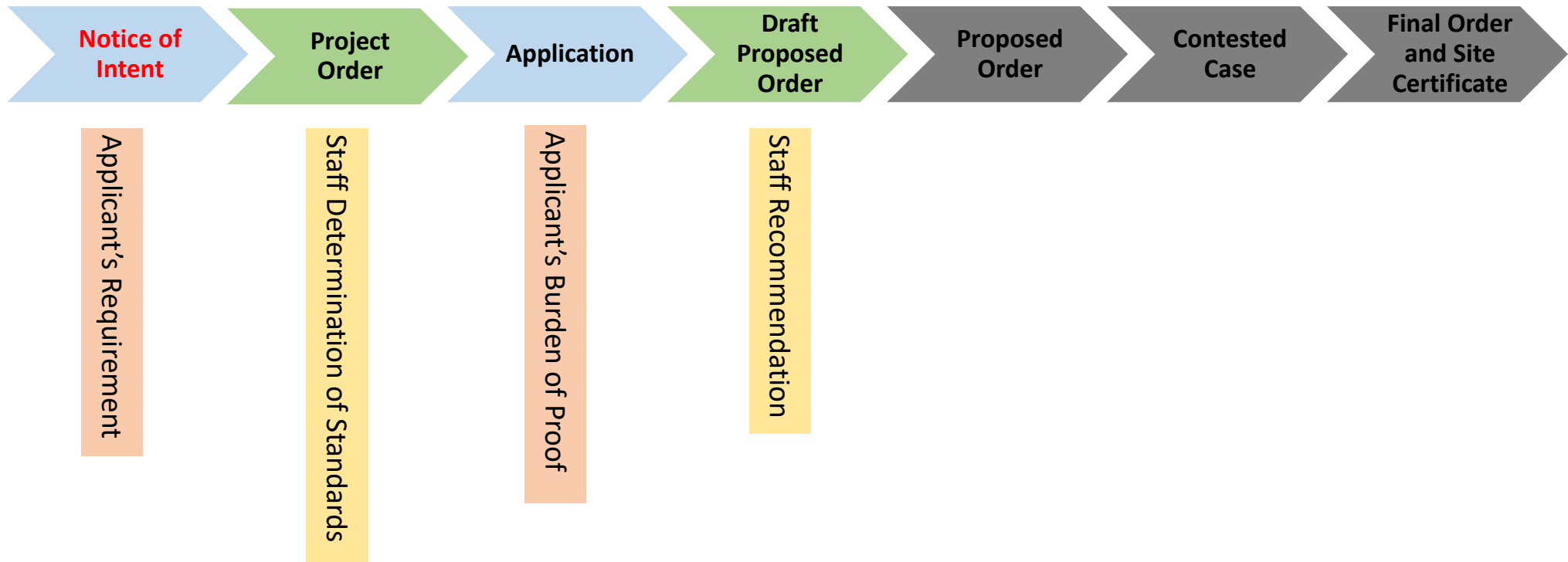
- Future Rulemaking



# Oregon Energy Facility Siting Process



# Notice of Intent

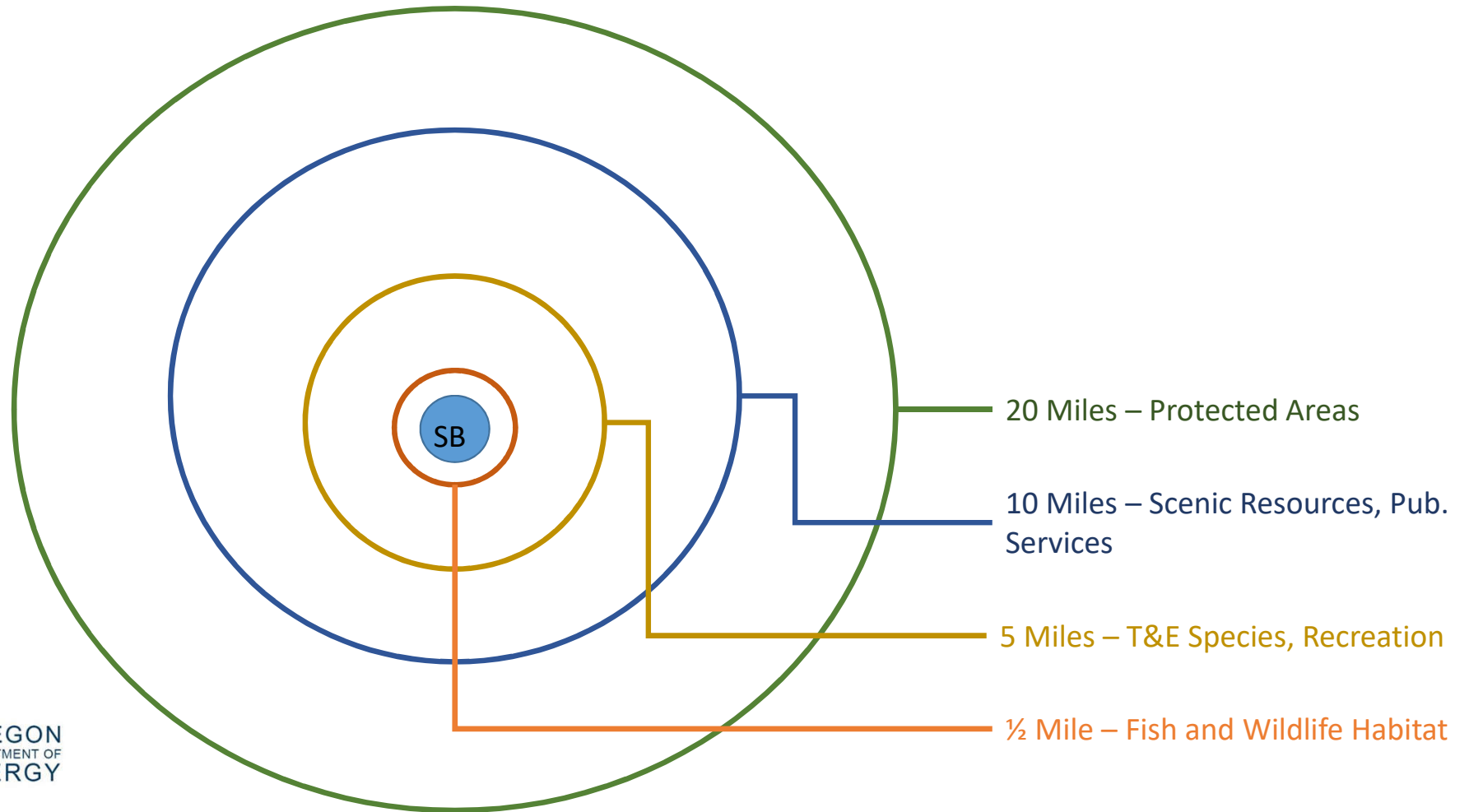


# Notice of Intent

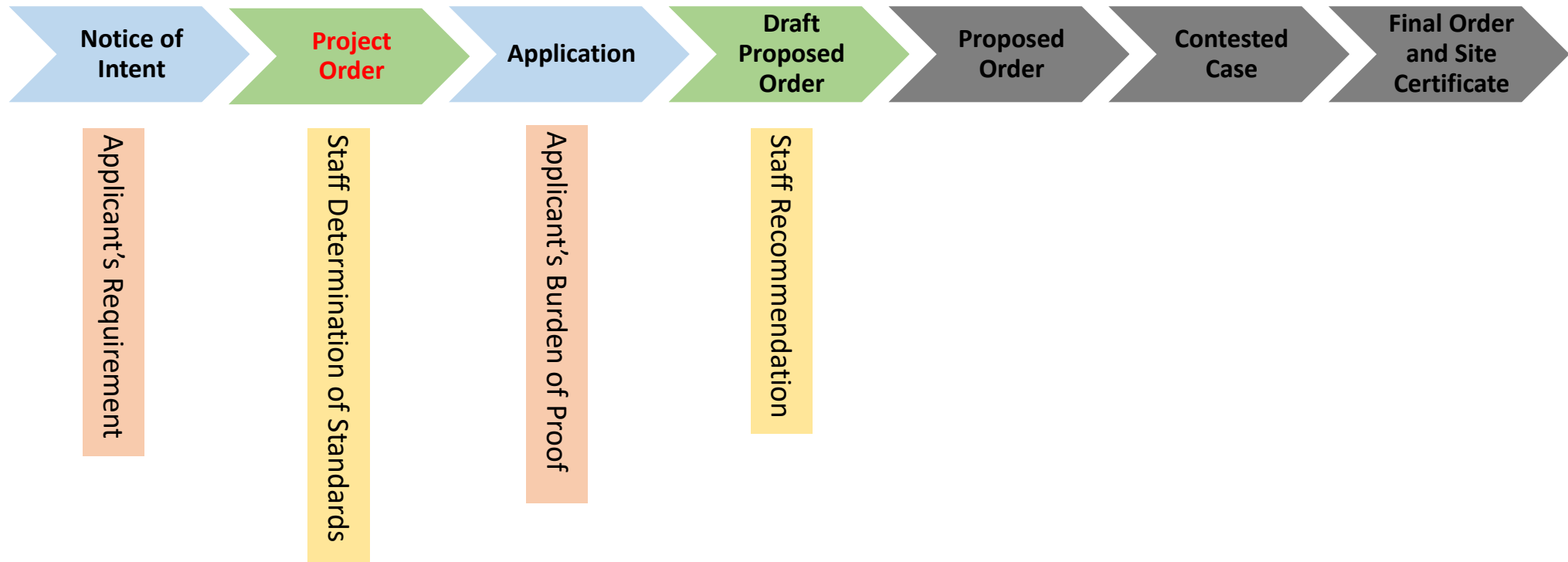
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- Purpose
- Early notification and review of project
  - Public
  - Reviewing Agencies
- Staff Review
- Study Area – The Area within which the applicant must conduct their analysis to show potential impacts of the facility the Notice of Intent
  - Within site boundary: everything not specifically included below
  - Within site boundary and ½ mile: fish and wildlife habitat
  - Within site boundary and 5 miles: T&E species, recreational opportunities
  - Within site boundary and 10 miles: scenic resources, public services
  - Within site boundary and 20 miles: protected areas

# Study Area



# Project Order



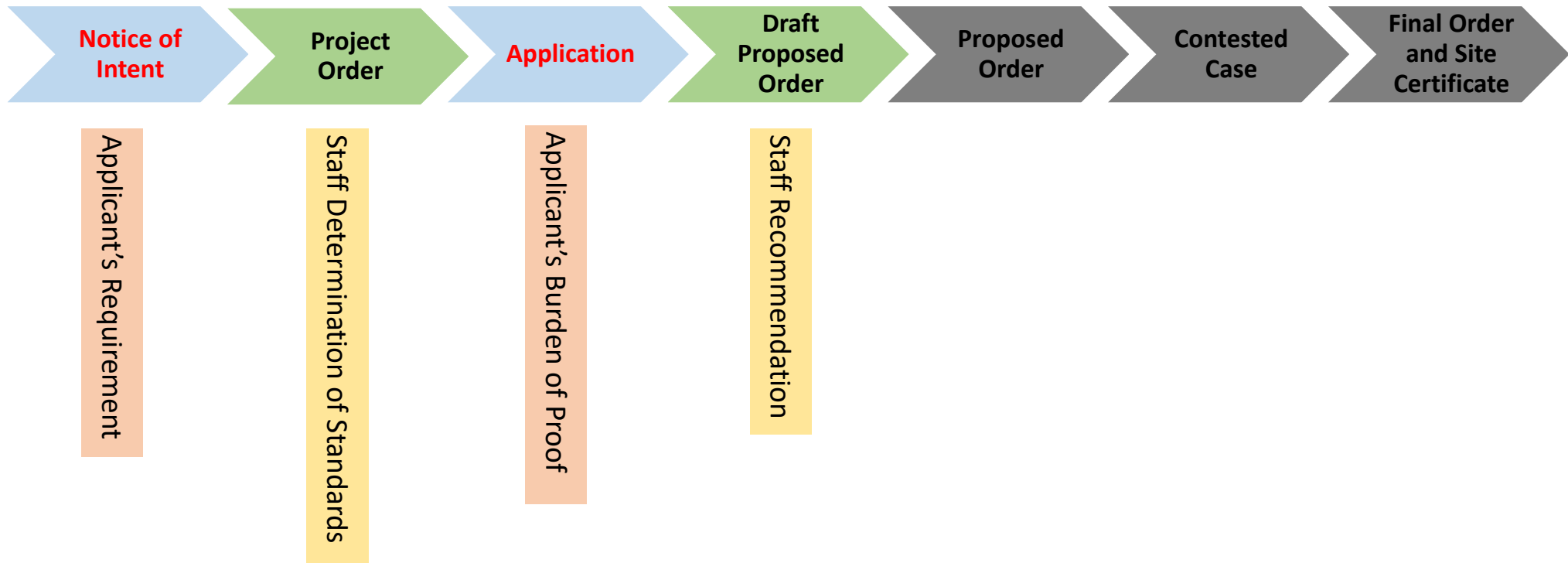
# Project Order

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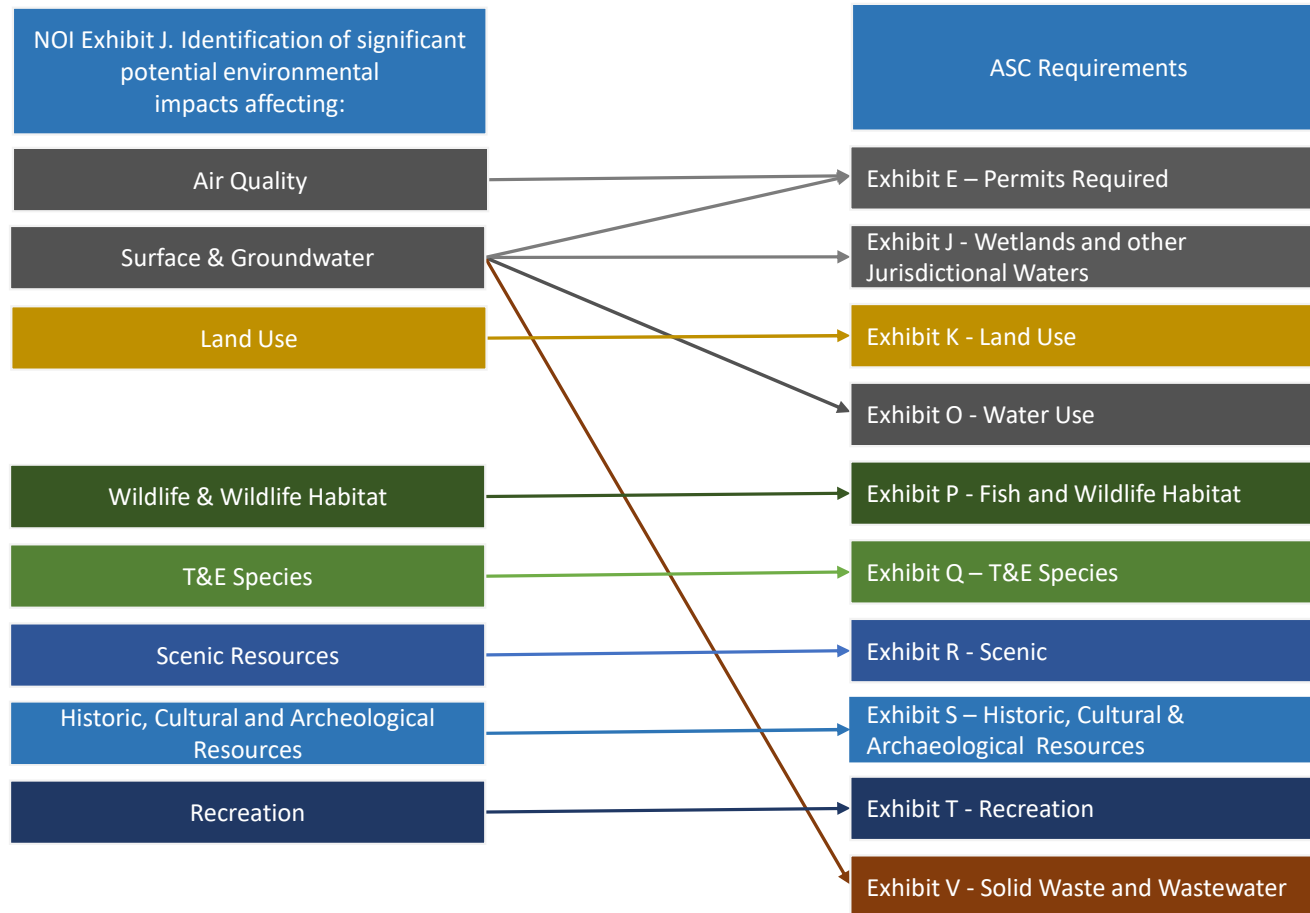
- Purpose
- Analysis areas –
  - Areas specifically described in the project order containing resources that the proposed facility may significantly affect
  - Greater than, less than or equal to study areas
- Can be changed
  - Changes in project
  - Changes in statutes and rules – but not local land use after submittal of preliminary application



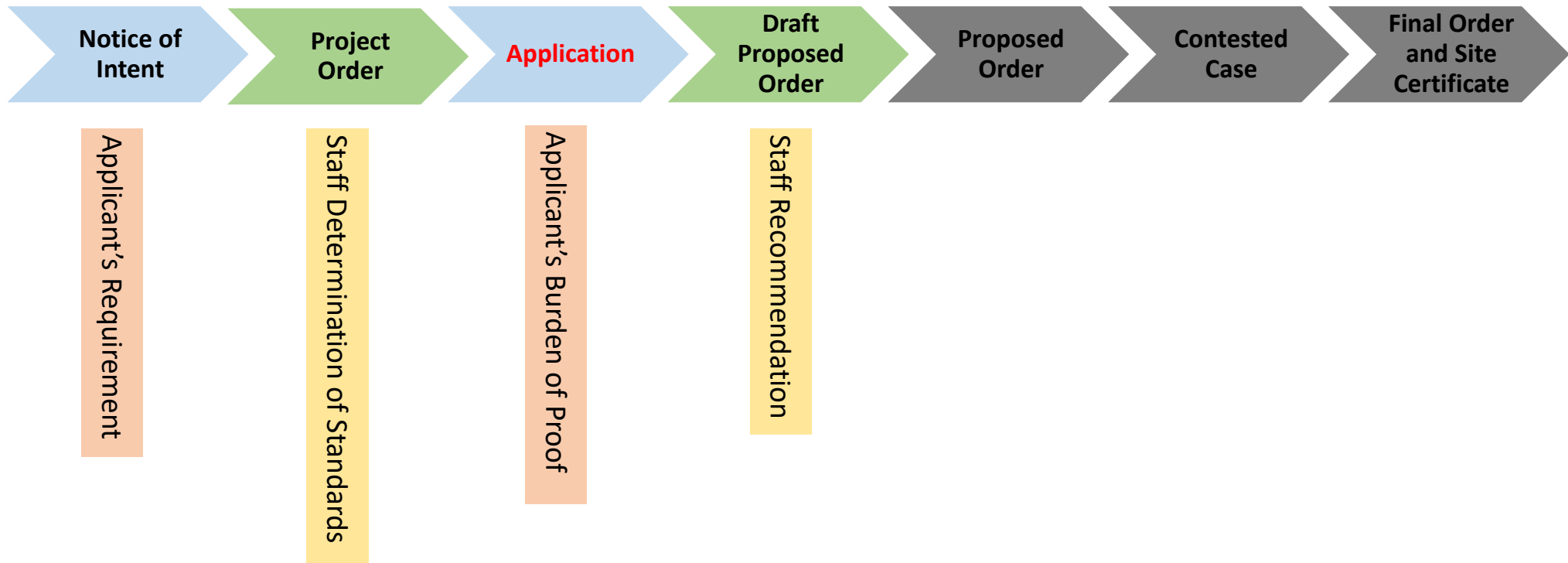
# Notice of Intent to Application



# Example NOI Exhibit J



# Application



# Application

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- Preliminary Application for Site Certificate
  - Reviewing Agency notice
  - Staff evaluation
- Complete Application for Site Certificate
  - Information adequate to make findings
  - Notice and response from reviewing agencies
  - Notice to public and optional public information meeting
- Analysis Areas Example – See next slide

# Analysis Area Example

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- Exhibit P – Fish and Wildlife Habitat and Species

*Information about the fish and wildlife habitat and the fish and wildlife species, other than the species addressed in subsection (q) that could be affected by the proposed facility, providing evidence to support a finding by the Council as required by OAR 345-022-0060. The applicant must include:*

*\*\*\**

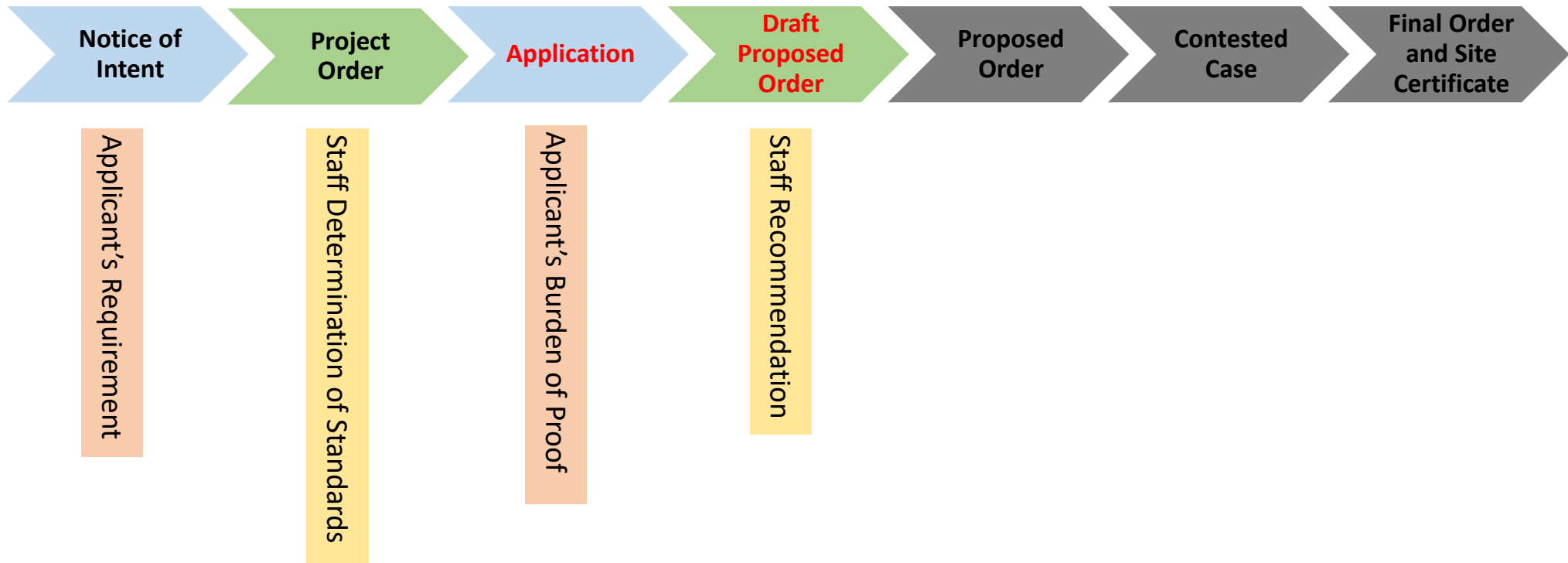
*(D) Based on consultation with the Oregon Department of Fish and Wildlife (ODFW) and appropriate field study and literature review, identification of all State Sensitive Species that might be present in the **analysis area** and a discussion of any site-specific issues of concern to ODFW;*

*(E) A baseline survey of the use of habitat in the **analysis area** by species identified in (D) performed according to a protocol approved by the Department and ODFW;*

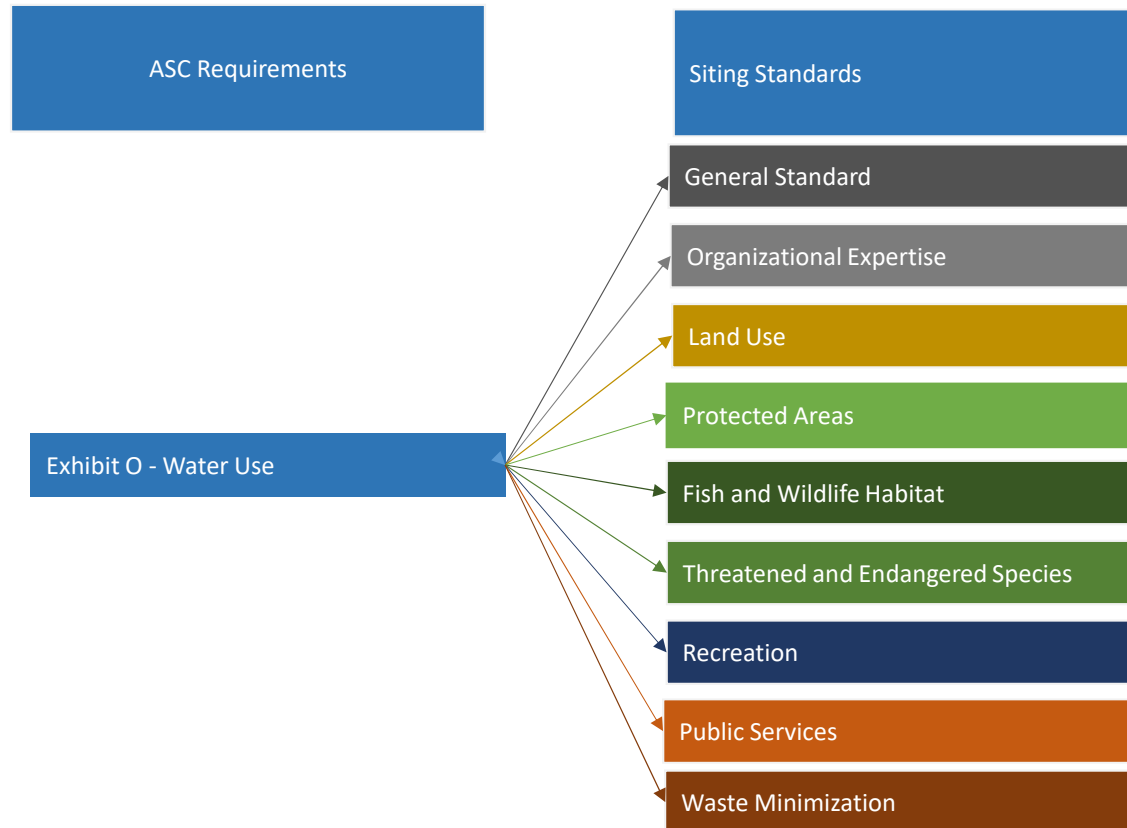
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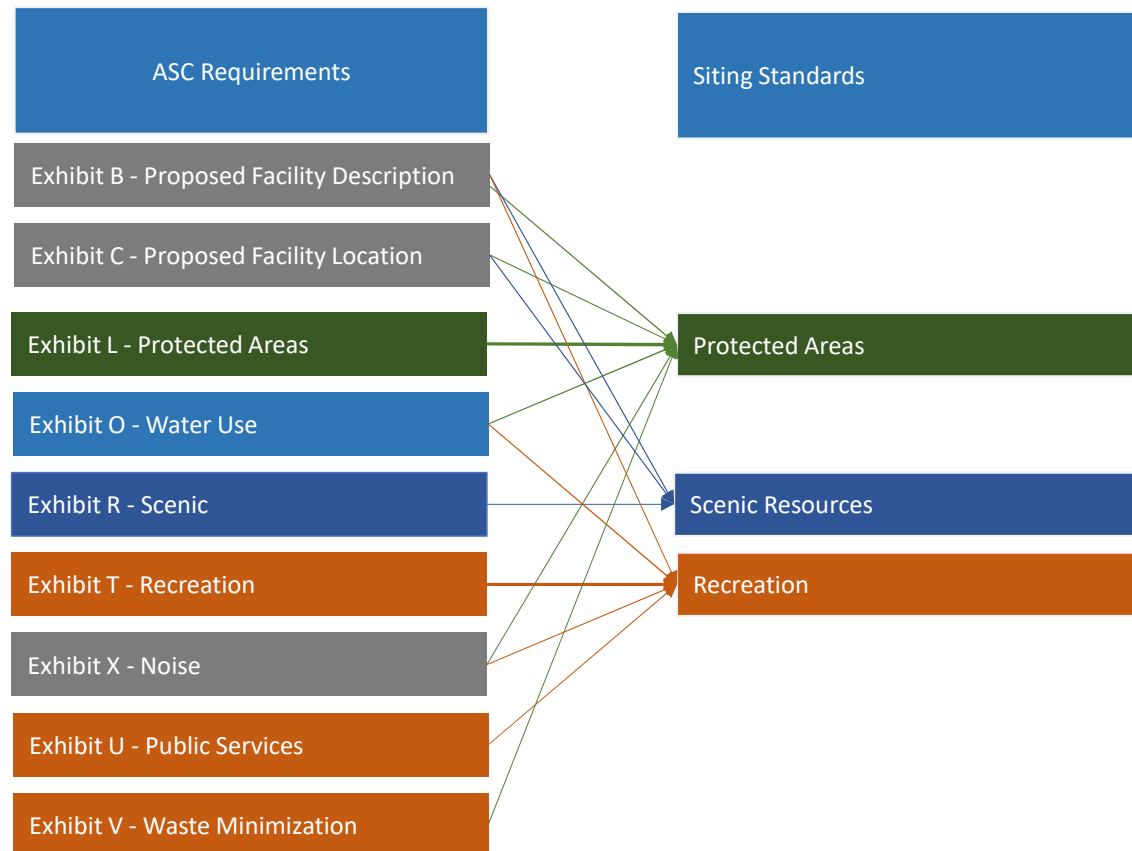
# Application to Draft Proposed Order



# Example: Exhibit O – Water Use

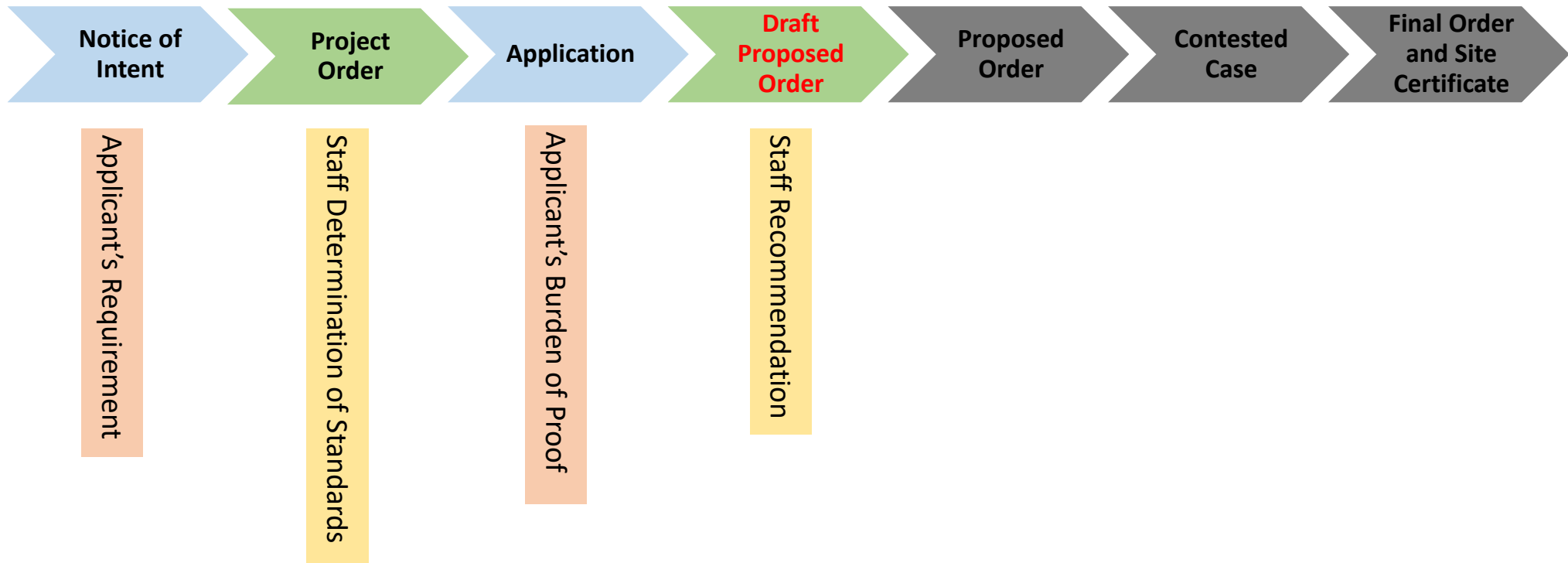


# Example: Protected Areas, Scenic Resources Recreation Standards





# Draft Proposed Order



# Draft Proposed Order

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- Staff Preliminary Recommendation
  - Findings of facts
  - Conclusions of law
  - Conditions of approval
- Notice
  - Public
  - Reviewing Agencies
- Public Hearing
- Council Review



# Conclusions

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- Alignment between NOI and DPO steps
- Analysis
- Rulemaking

BREAK

# Agenda Item I (Information Item)

## Financial Management Overview

September 25, 2020  
Sisily Fleming, Fiscal Analyst  
Oregon Department of Energy



# Expense Allocation and Tracking

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- Necessary, just, and reasonable expenses related to the Council's review and decision are allocated to respective projects
  - Staff, Reviewing Agencies, Department of Justice, Special Advisory Groups, etc.
- Program Cost Accounts (PCA's) are used to track expenses throughout the review
  - NOI, ASC, Certified Facilities, and Amendments
- Detailed time tracking by PCA/task is recorded daily
  - Ability to track estimates to actuals by task



# Meeting Expenses and Travel Reimbursements

---

- General meeting expenses are pro-rated to PCA's according to timelines established for each meeting, such as:
  - All expenses incurred by Council members
  - All time and expenses incurred by the Council Secretary, Administrative Assistant, DOJ, or staff providing overall meeting support
- Direct expenses are allocated as appropriate
  - Siting Analysts time and expenses are allocated to the PCA's related to their specific agenda items

# EFSC Funding Statutes

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## ORS 469.421

- Authorizes cost recovery for all expenses incurred by the Council and Department related to the review and decision of the Council
- Authorizes funding for general program expenses that are not related to the review or council decision

## ORS 469.441

- Requires all fees allocated under ORS 469.421 are necessary, just and reasonable
- Requires Council to establish a fee schedule for specific review types
  - Notice of Intent, Request for Exemption, Request for Pipeline, Request for Expedited Review



# Cost Recovery Phases

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- Notice of Intent, Request for Exemption or Expedited Review
  - ORS 469.421 (2)
  - Initial Fee as required by ORS 469.441 (1)
  - Monthly Statements/Invoices are issued
- Application for Site Certificate
  - ORS 469.421 (3)
  - Cost Estimate / Cost Reimbursement Agreement
  - Initial fee 25% of Cost Estimate (held on deposit)
  - Monthly Invoices issued until expenses reach 75% of cost estimate

# Cost Recovery Phases

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- Certified Facilities
  - ORS 469.421 (5)
  - Annual Assessments invoices issued based on State Fiscal Year (July 1–June 30)
  - Based on anticipated activities at each facility
  - Monthly Statements issued
- Requests for Amendment
  - ORS 469.421 (1)
  - Invoices issued monthly to recover actual expenses

# Agenda Item J (Information Item)

## Project Updates

September 25, 2020

Presenter, Position, Affiliation



# Projects Under Review

## Applications for Site Certificate

- Obsidian Solar Center
- Blue Marmot Solar Energy Facility
- Boardman to Hemingway Transmission Line
- Bonanza Energy Facility
- Nolin Hills Wind Power Project
- Madras Solar Energy Facility
- Archway Solar Energy Facility

## Requests for Amendment

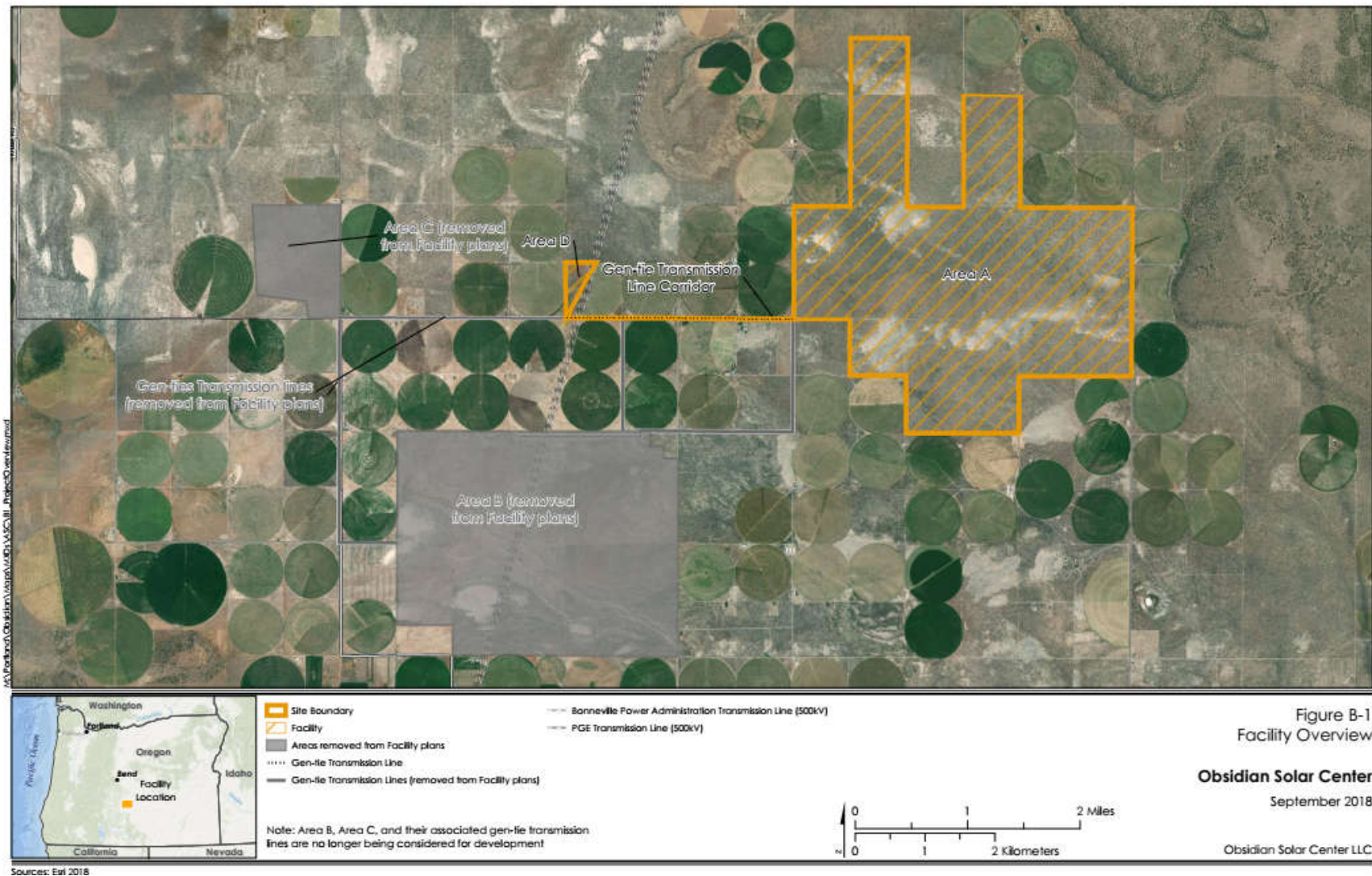
- Montague Wind Power Facility
- Wheatridge Renewable Energy Facility II
- Carty Generating Station
- Eugene to Medford Transmission Line

# Proposed Obsidian Solar Center

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Facility:	400 MW solar photovoltaic energy generation facility
Site Boundary:	3,921 acres (6.1 sq. miles)
ASC Status:	Department drafting Proposed Order
Location:	North Lake County
Applicant:	Obsidian Solar Center, LLC
Parent Companies:	Obsidian Renewables, LLC and Lindgren Development, Inc.





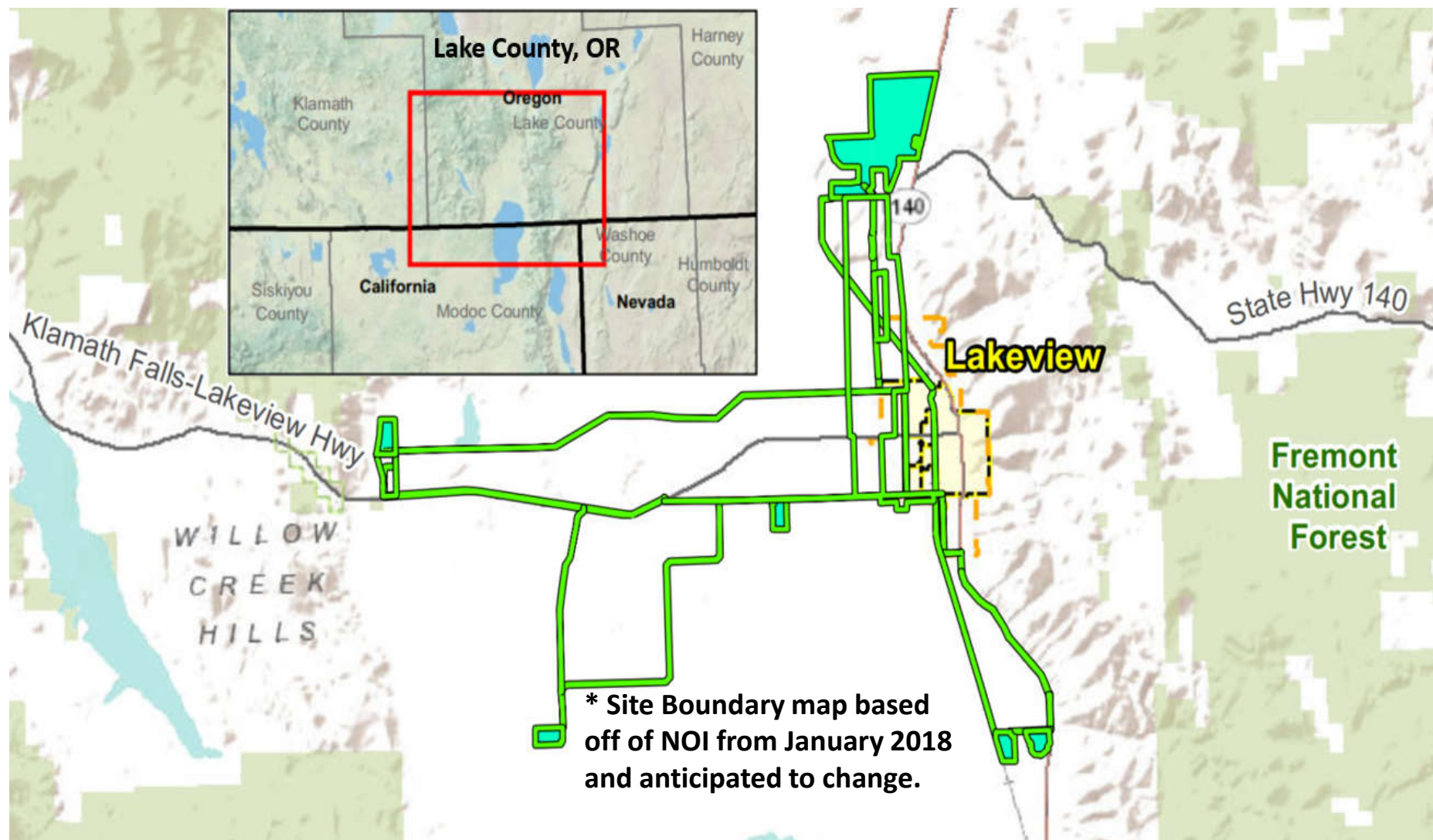
# Proposed Blue Marmot Solar Energy Facility

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Facility:	60 MW solar photovoltaic energy generation facility
Site Boundary:	5,170 acres
ASC Status:	Anticipated Revised NOI Submittal
Location:	Lake County
Applicant:	Blue Marmot Solar Park LLC
Parent Company:	EDP Renewables North America, LLC







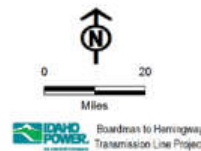
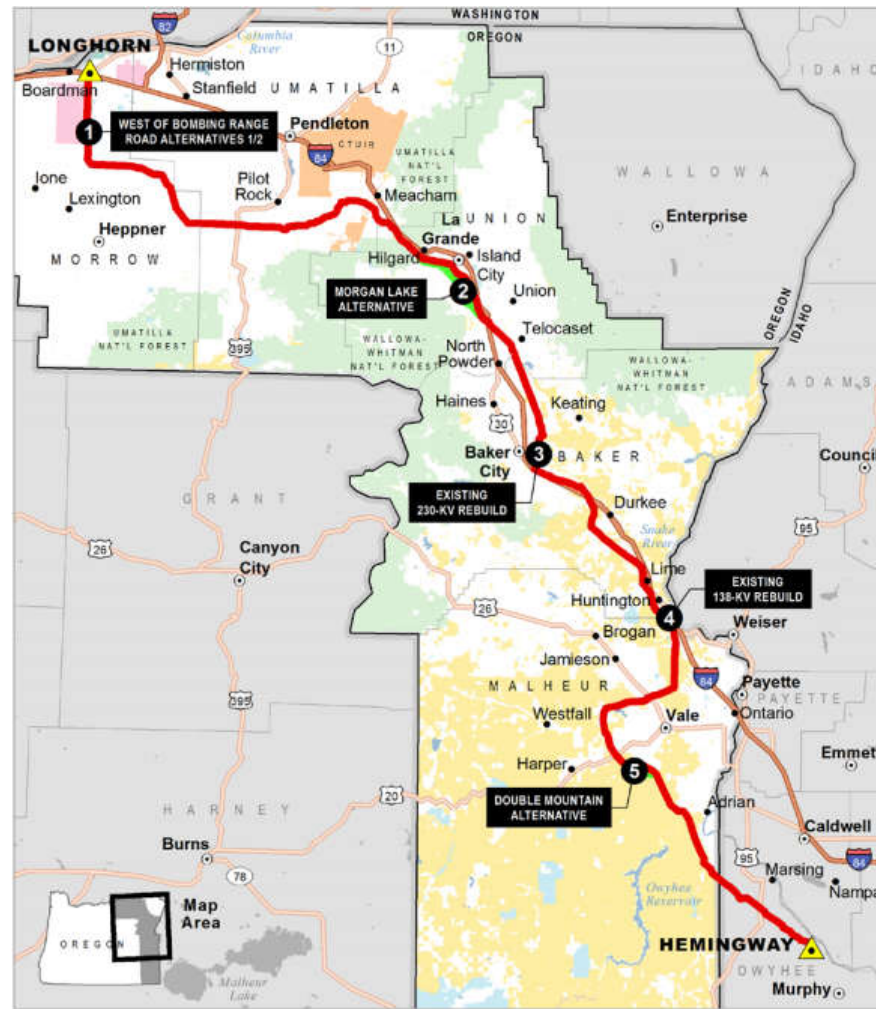


# Proposed Boardman to Hemingway Transmission Line

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Facility:	273 Mile 500 kV Transmission Line and related or supporting facilities
ASC Status:	Contested Case
Location:	Morrow, Umatilla, Union, Baker, Malheur Counties
Applicant:	Idaho Power Company



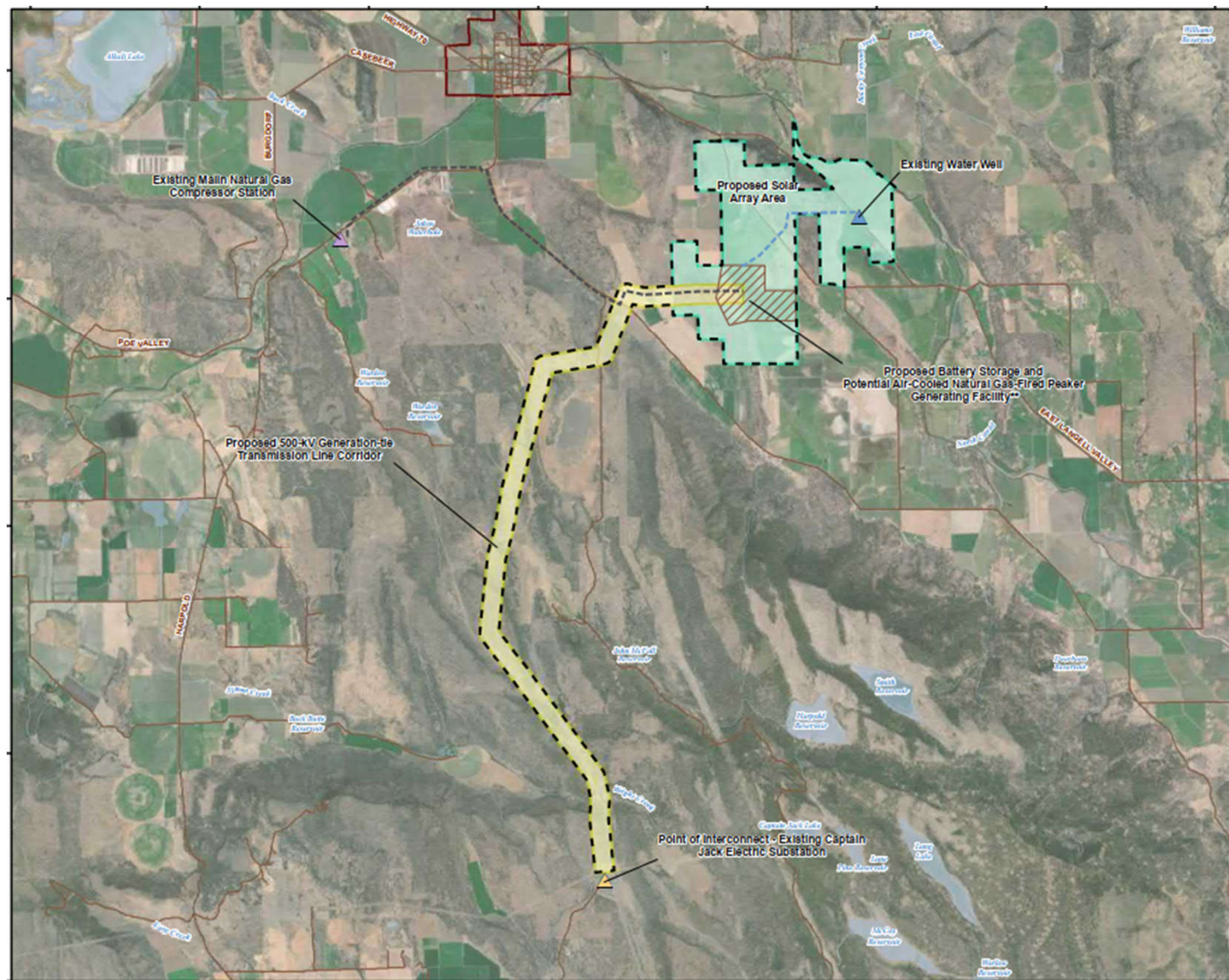


# Proposed Bonanza Energy Facility

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Facility:	150 to 300 MW solar photovoltaic energy generation facility
Site Boundary:	2,733 acres (4.2 sq. miles)
ASC Status:	Applicant to submit pASC
Location:	Klamath County
Applicant:	Hecate Energy Bonanza LLC
Parent Company:	Hecate Energy NAF LLC





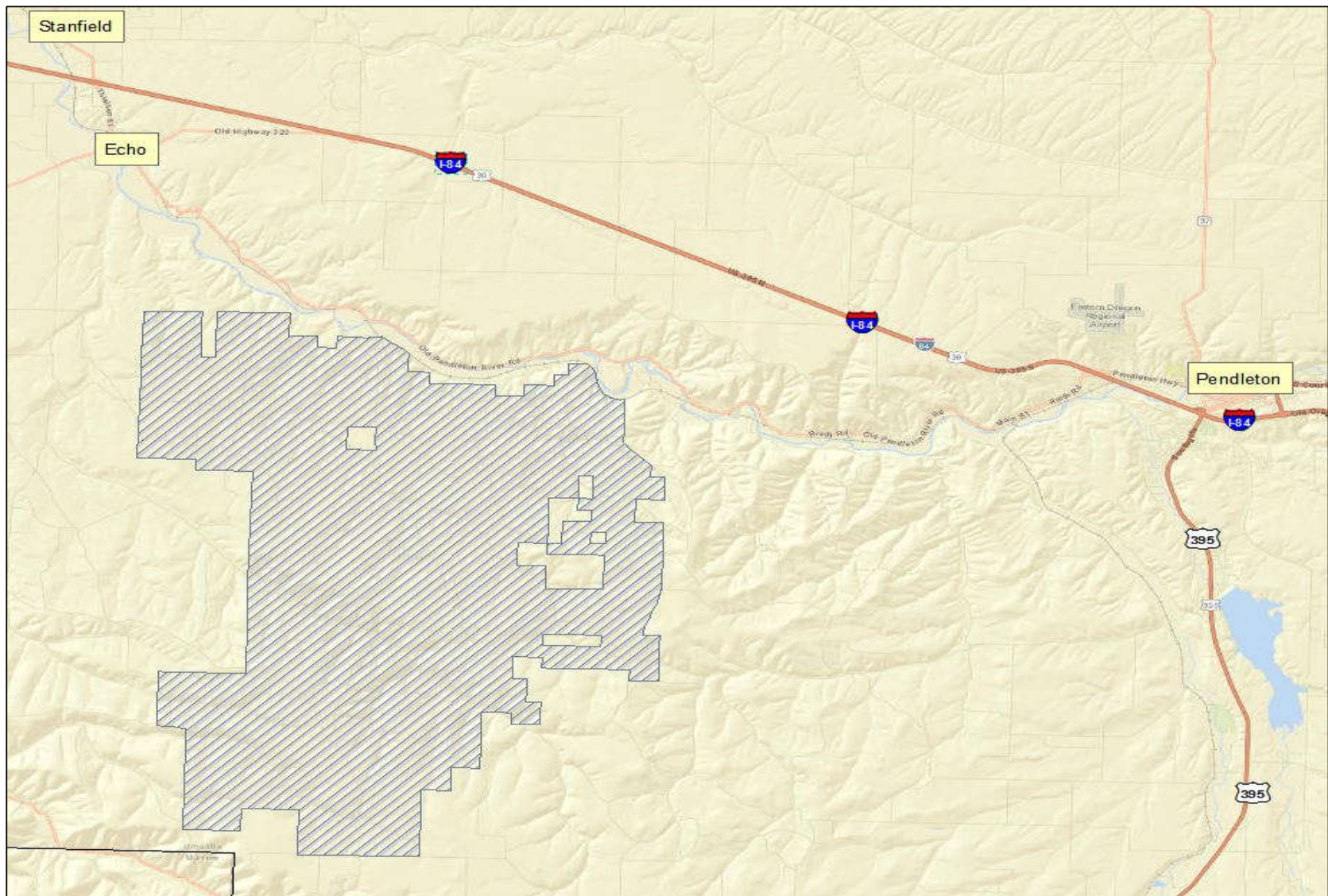
# Proposed Nolin Hills Wind Power Project

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Facility:	350 MW wind energy generation facility
Site Boundary:	44,900 acres
ASC Status:	Applicant revising pASC
Location:	Umatilla County
Applicant:	Nolin Hills Wind, LLC
Parent Company:	Capital Power Cooperation







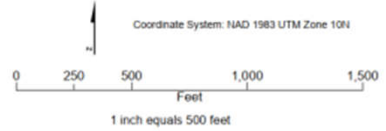
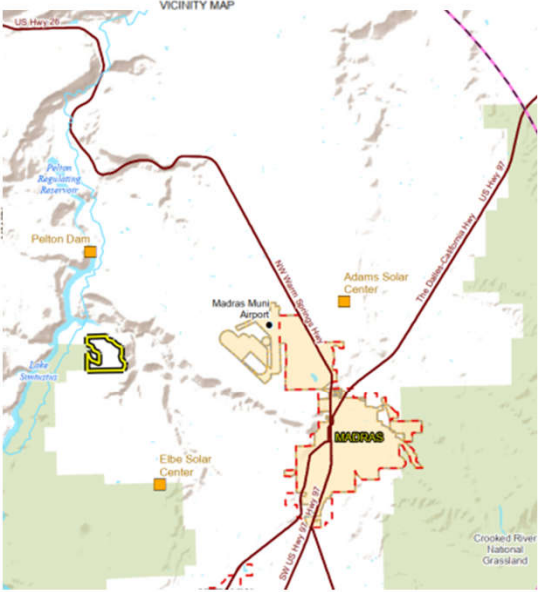
# Proposed Madras Solar Energy Facility

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Facility:	63 MW solar photovoltaic energy generation facility
Site Boundary:	284 acres (.4 sq. miles)
ASC Status:	Applicant revising pASC
Location:	Jefferson County
Applicant:	Madras PV1, LLC
Parent Company:	Ecoplexus Inc.







**Figure C-1**  
**Facility Layout**  
 Application for Site Certificate  
 Madras Solar Energy Facility  
 Jefferson County, OR

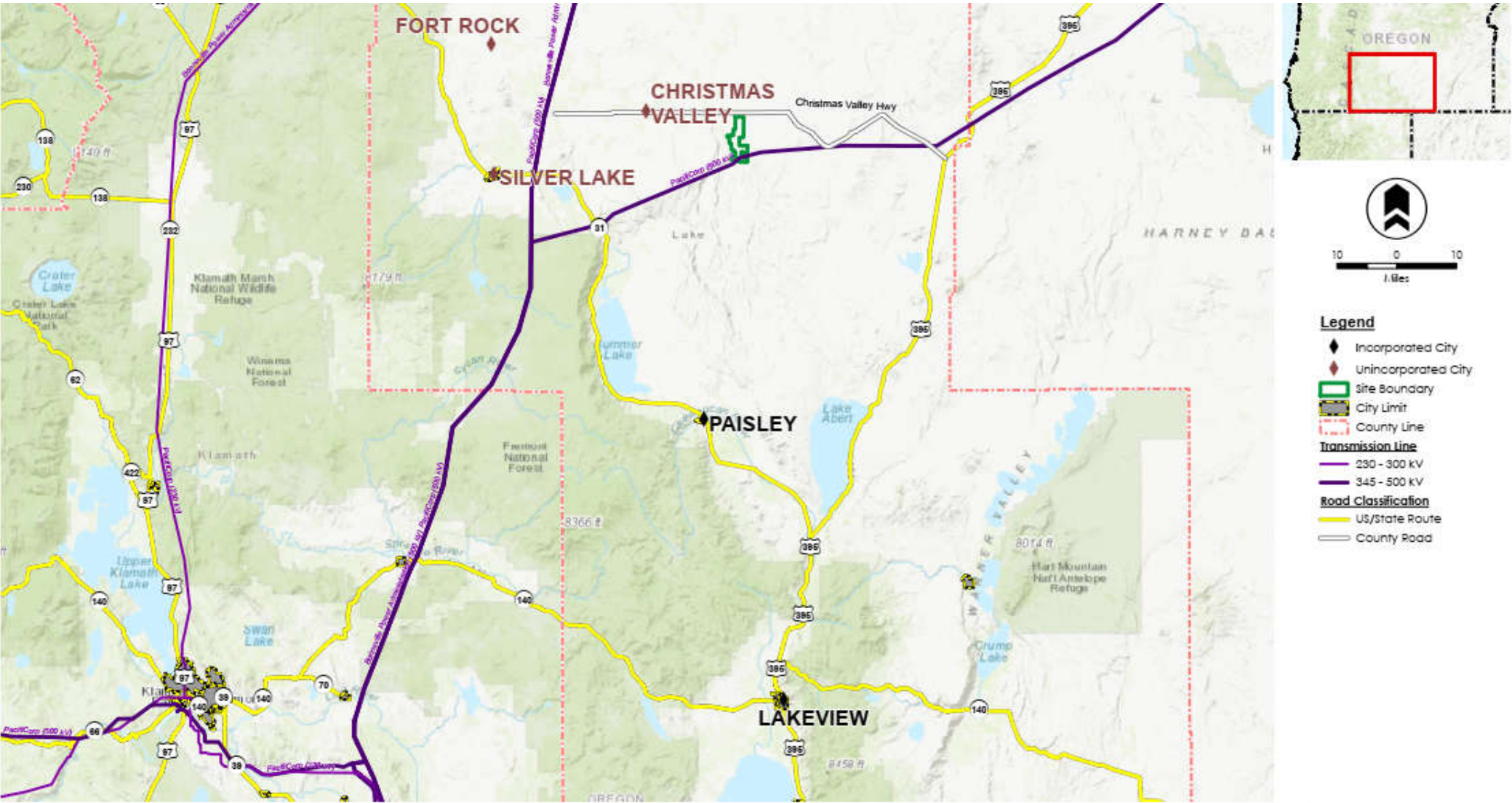


# Proposed Archway Solar Energy Facility

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Facility:	400 MW solar photovoltaic energy generation facility
Site Boundary:	3,650 acres (5.7 sq. miles)
ASC Status:	Preliminary ASC anticipated in Oct 2020
Location:	Lake County
Applicant:	Archway Solar Energy, LLC
Parent Company:	Invenergy Solar Development North America, LLC





**Figure G-1 - Regional Vicinity Map**

Rev. 00

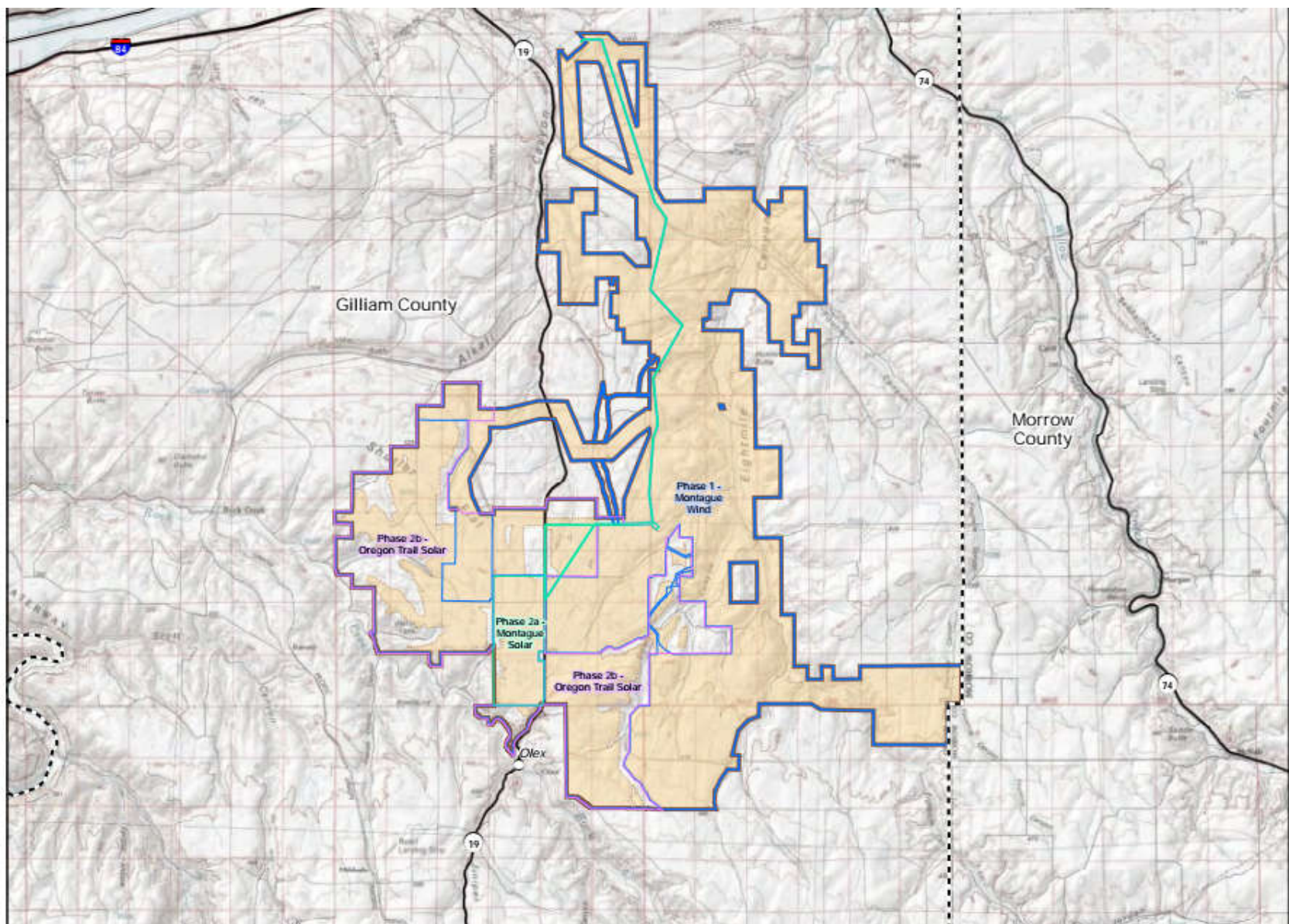
**Inverenergy**

# Montague Wind Power Facility

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Facility:	404 MW wind and solar energy facility
Status:	202 MW of wind in operation (Oct 2019)
Location:	Gilliam County
Certificate Holder:	Montague Wind Power Facility, LLC (subsidiary of Avangrid Renewables, LLC)
Amendment Request:	Split facility components into an amended and two new site certificates
Amendment Status:	RFA5 under review; Council decision on Sept 25, 2020





- Approved Micrositing Corridor
- Phase 1 - Montague Wind Site Boundary
- Phase 2a - Montague Solar Site Boundary
- Phase 2b - Oregon Trail Solar Site Boundary
- Basemap Features
- Interstate/Highway
- State Boundary
- County Boundary
- City/Town



JACOBS

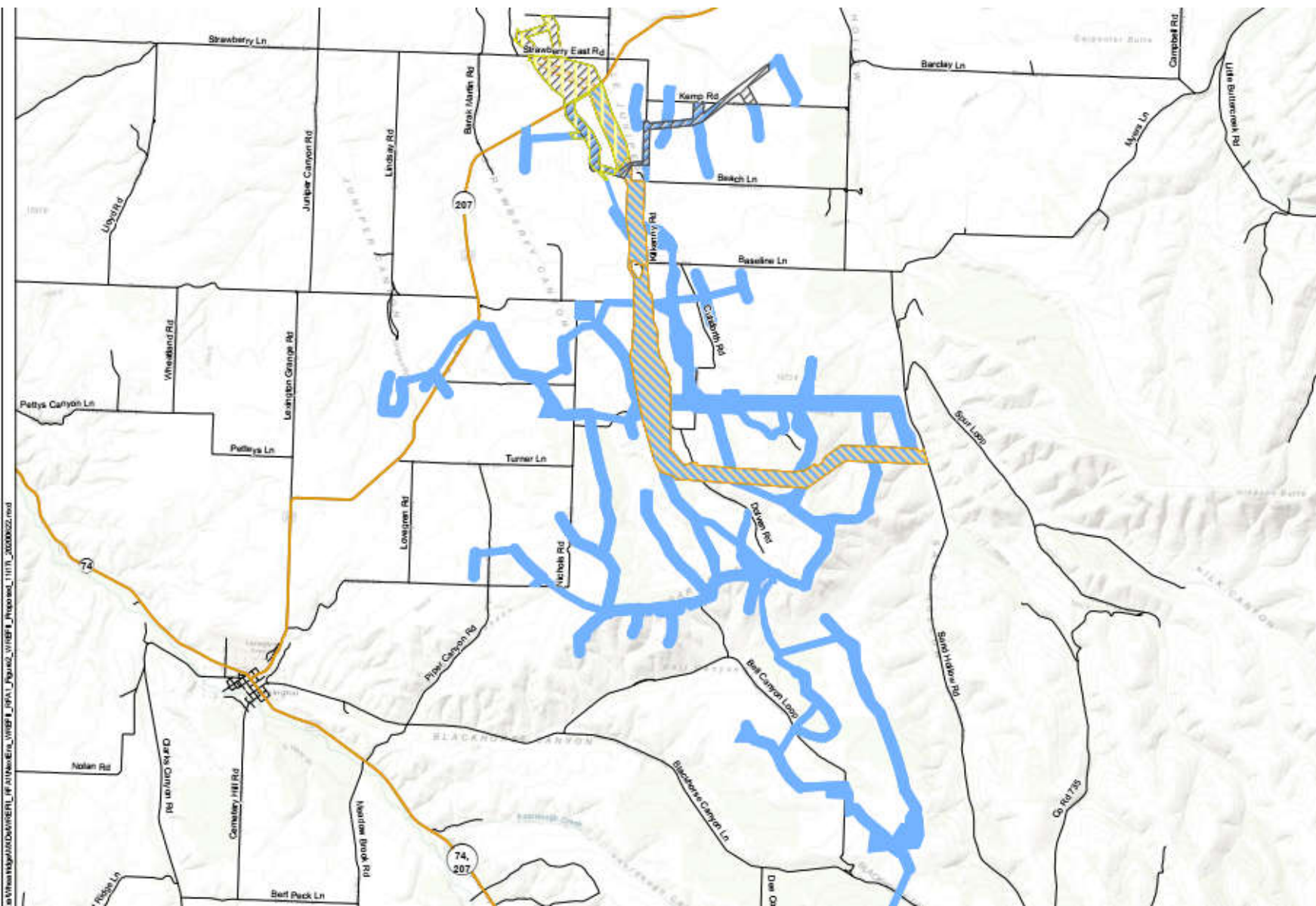
# Wheatridge Renewable Energy Facility II

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Facility:	550 MW wind and solar energy facility
Status:	200 MW of wind under construction in Morrow County
Location:	Morrow and Umatilla counties
Certificate Holder:	Wheatridge Wind II, LLC (subsidiary of NextEra Energy Resources, LLC)
Amendment Request:	Type B Review; split facility components into an amended and two new site certificates
Amendment Status:	RFA1 under review; Type B Review Determination Issued







**Wheatridge Renewable  
Energy Facility II**

**Figure 2  
Wheatridge Renewable  
Energy Facility II  
Proposed Site Boundary**

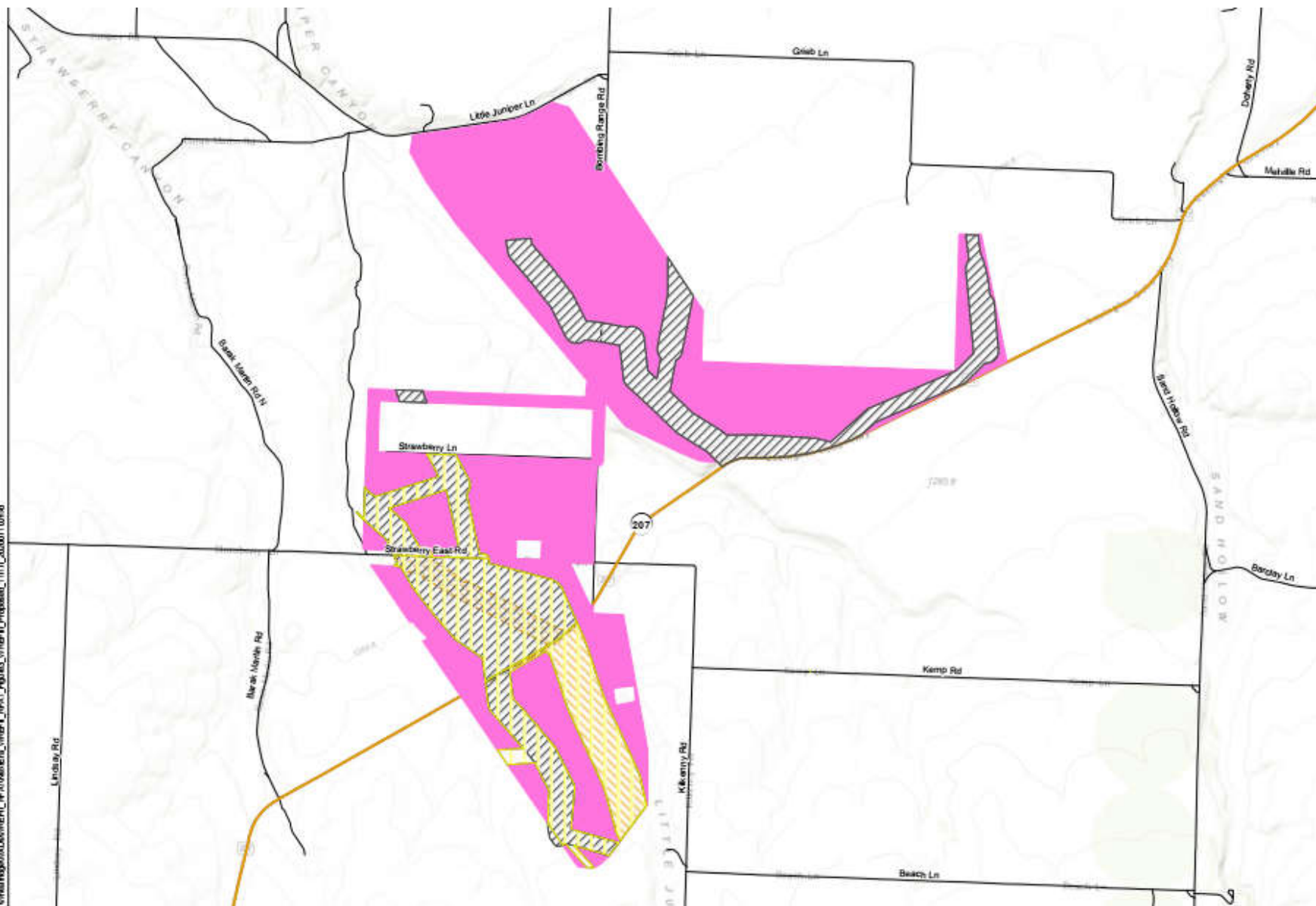
UMATILLA COUNTY, OR

- Wheatridge Renewable Energy Facility II
- Overlapping Site Boundary (WREFI)
- Overlapping Site Boundary (WREFE)
- Overlapping Site Boundary (WREFIII)
- State Highway
- Local Road



Reference Map





Wheatridge Renewable Energy Facility II

Figure 3  
Wheatridge Renewable Energy Facility III  
Proposed Site Boundary

UMATILLA COUNTY, OR

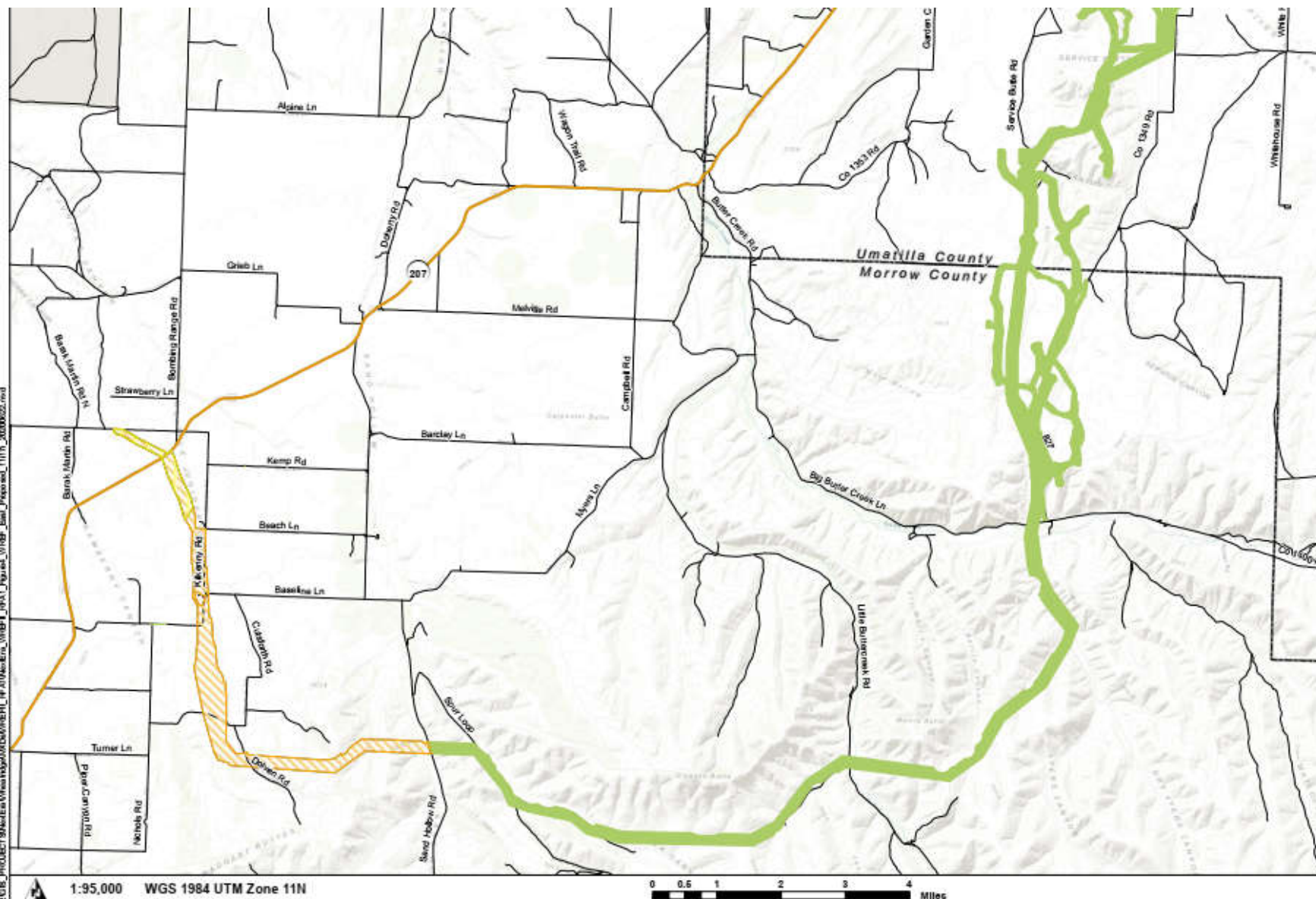
- Wheatridge Renewable Energy Facility III Site Boundary
- Overlapping Site Boundary (WREF II)
- Overlapping Site Boundary (WREF I)
- Overlapping Site Boundary (WREF E)
- State Highway
- Local Road
- County Boundary



Reference Map







**Figure 4**  
**Wheatridge Renewable**  
**Energy Facility East**  
**Proposed Site Boundary**

- MORROW AND UMATILLA COUNTIES, OR
- Wheatridge Renewable Energy Facility East Site Boundary
  - Overlapping Site Boundary (WREFIII)
  - Overlapping Site Boundary (WREFE)
  - Local Road
  - State Highway
  - County Boundary



Reference Map





# Carty Generating Station

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Facility:	Operational 450 MW combined cycle natural gas, and a not-yet-constructed 50 MW solar photovoltaic unit
Operating Status:	July 2016 – Operational Previously approved components not constructed
Location:	Previously approved site boundary in Morrow County, amended site boundary to include existing transmission lines in Gilliam County.
Certificate Holder:	Portland General Electric
Amendment Request:	Site Boundary modification; incorporation of shared infrastructure and existing facilities (shared by the Boardman Coal Plant and Carty Generating Station); construction and operation of new infrastructure
Amendment Status:	Anticipated issuance of Proposed Order November 2020



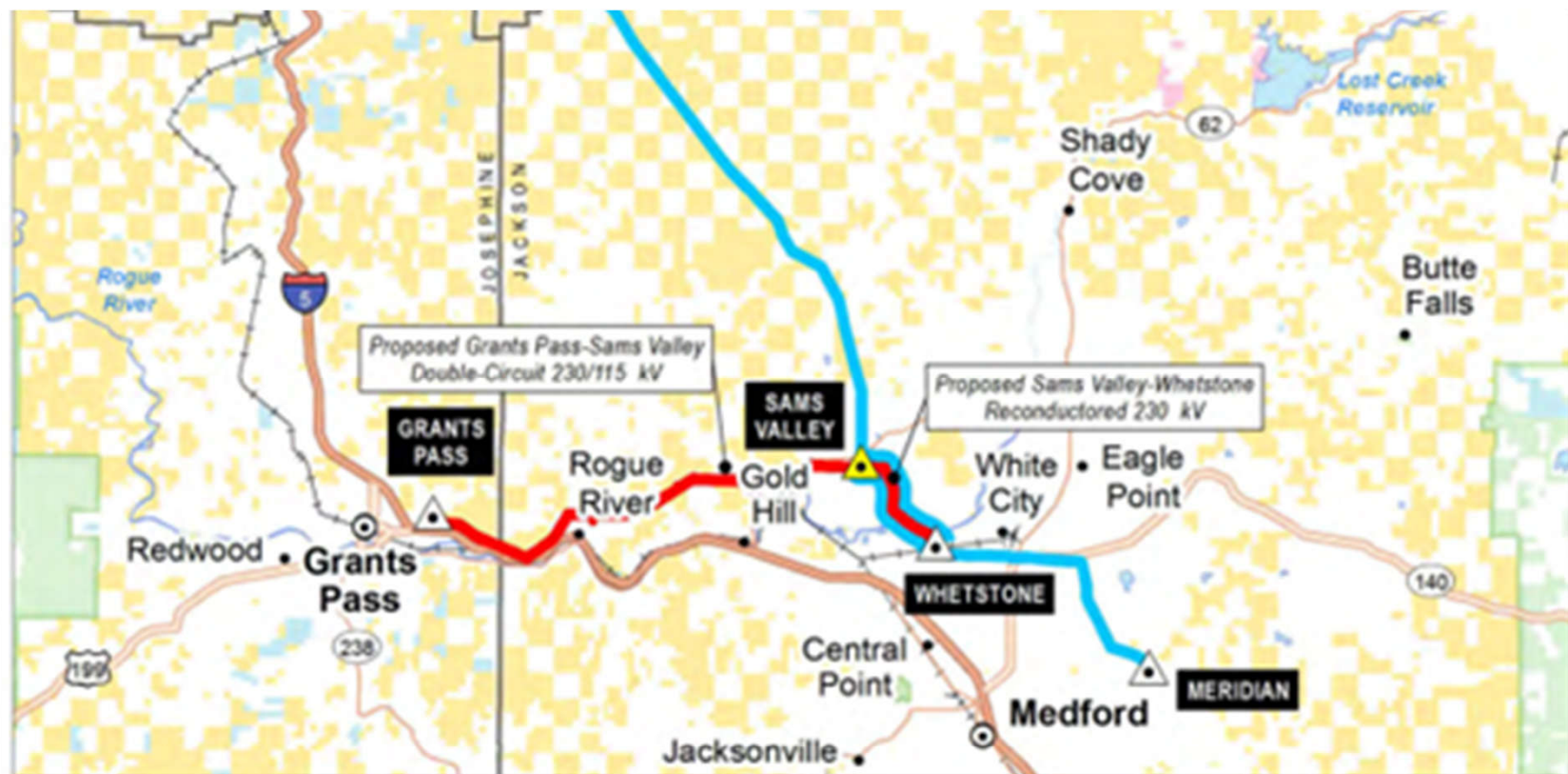


# Eugene to Medford Transmission Line

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Facility:	146-mile, 500 kV transmission line, from Eugene to Medford
Status:	Operating
Location:	Eugene, Lane County, through Douglas County to Medford, Jackson County
Certificate Holder:	PacifiCorp
Amendment Request:	Expand site boundary; new 17.6-mile 230 kV transmission line; new 500/230 kV substation; reconductor 230 kV transmission line; temporarily improve existing access roads
Amendment Status:	pRFA under review





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AN AMERICAN ELECTRIC UTILITY COMPANY

#### Project Features

- Proposed 230/115 kV Transmission Line and 230 kV Reconductor
- Existing Eugene-Meridian 500 kV Transmission Line
- Transmission Lines Adjacent to Each Other

#### Substations

- Proposed
- Existing

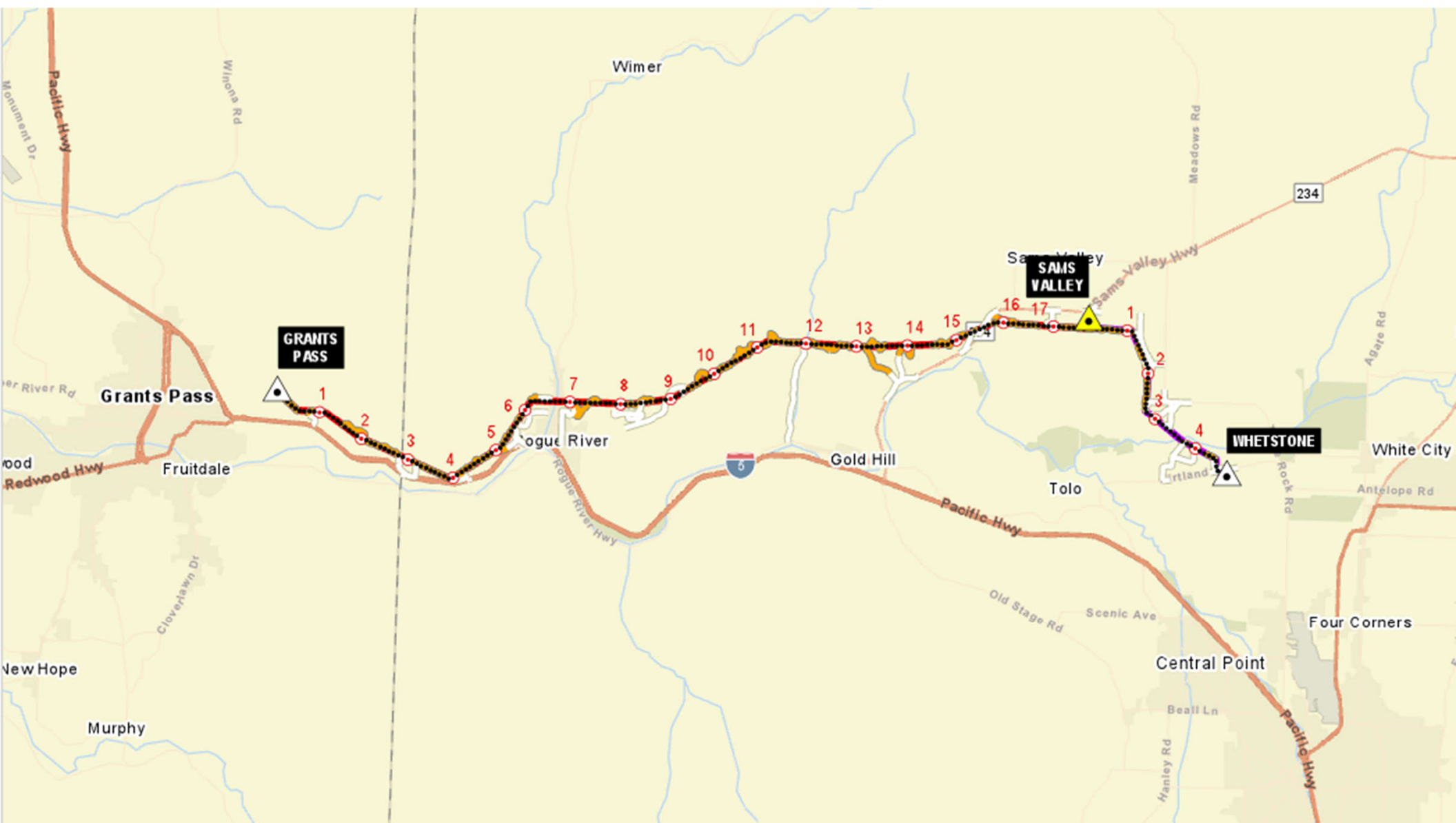
#### Land Status

- Bureau of Land Management
- Forest Service
- Military Reservation or Corps of Engineers

#### Private

- State or Local
- State or Local Parks and Recreation or Wildlife





# Adjourn

