Oregon Department of Energy

Complete ASC Public Information Meeting – Wagon Trail Solar Project

Via WebEx/Teleconference

January 17, 2024

Due to inclement weather the Oregon Department of Energy Siting Division Staff and the Applicant team are not able to participate in person. Therefore the 5:00PM Meet and Greet and 1:1 conversations with ODOE and Applicant will not occur.

The presentations on the process and the project will occur at the regularly scheduled time of 5:30PM.

OREGON DEPARTMENT OF ENERGY

Oregon Department of Energy

Complete ASC Public Information Meeting – Wagon Trail Solar Project

Via WebEx/Teleconference

January 17, 2024

5:30 PM - Presentation/Webinar by ODOE and applicant followed by Q & A

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AGENDA

Oregon Department of Energy (ODOE)

- Overview of the state siting process
- Upcoming milestones
- Opportunities for Public Comment

Applicant (Wagon Trail Energy Center, LLC)

- Overview of proposed Wagon Trail Solar Project

Q&A with Audience

**This informational meeting is NOT a public hearing and will NOT include public testimony.*

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Energy Facility Siting Council (EFSC) Review

- Consolidated review and oversight of most large-scale energy facilities and infrastructure in Oregon
- 7 Members of EFSC: Governor-appointed, Senate confirmed – Volunteers from around the State
- ODOE's Siting Division is staff to EFSC

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ENERGY FACILITY SITING PROCESS

Application for Site Certificate Process

Notice of Intent	Project Order	Application (pASC/ASC)	Draft Proposed Order	Proposed Order	Contested Case	Final Order and Site Certificate
Applicant	ODOE	Applicant	ODOE	ODOE	Hearing Officer	EFSC
Public Notice, Comment Period, Info. meeting		Public Notice, Comment Period, Info. meeting	Notice, Comment Period, Public Hearing	Notice	Parties to CC	
Agency Coord.		Agency Coord.	Agency Coord.	Agency Coord.		

WE ARE HERE

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Energy Facility Siting Council (EFSC) Review

Milestone	Responsible Party	Date
Notice of Intent (NOI)	Applicant	November 3, 2020
Project Order	ODOE	March 23, 2021
Amended NOI	Applicant	June 11, 2021
First Amended Project Order	ODOE	August 17, 2021
Preliminary Application for Site Certificate (pASC)	Applicant	August 31, 2022
Second Amended Project Order	ODOE	November 2, 2022
Application for Site Certificate (ASC)	Applicant	January 3, 2024
Draft Proposed Order (DPO) Issuance	ODOE	TBD (February)

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Energy Facility Siting Council (EFSC) Review

Milestone	Responsible Party	Date
DPO Hearing	ODOE/EFSC/Public/Applicant	TBD (March)
EFSC Review of DPO	EFSC	TBD (April)
Proposed Order Issued	Department	TBD (April)
Contested Case	Hearing Officer	TBD (April-May)
EFSC Review of Proposed Order	EFSC	TBD (May)

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Complete Application

An Application is 'Complete' when:

- "…the applicant has submitted information adequate for the Council to make findings or impose conditions on all applicable Council standards." [OAR 345-015-0190(5)]

The complete Application is used to draft findings and recommendations for EFSC review in the draft proposed order.

Complete Application ≠ Approval

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Application Requirements and Council Standards

Contents of an Application – Oregon Administrative Rule 345-021-0010(1) (a-dd)	Council Standards and Applicable Rules
Exhibit O - Water Use	OAR 345-022-0000 - General Standard of Review
	ORS 537.505 - Ground Water Act of 1955
	OAR 690-310-0000 - 0380 - Water Resources Department Permitting Requirements
	OAR 690-380-0010 - 9000 - Water Right Transfers
Exhibit P - Fish and Wildlife Habitat	OAR 345-022-0060 - Fish and Wildlife Habitat
	OAR 635-415-0025 - Fish and Wildlife Habitat Mitigation Policy
Exhibit Q - Threatened and Endangered Plant and Animal Species	OAR 345-022-0070 - Threatened and Endangered Species
Exhibit R - Scenic Resources	OAR 345-022-0080 - Scenic Resources
	OAR 345-022-0100 - Recreation
	OAR 345-022-0040 - Protected Areas
Exhibit S - Historic Cultural and Archaeological Resources	OAR 345-022-0090 - Historic, Cultural and Archaeological Resources
Exhibit T - Recreation Opportunities	OAR 345-022-0100 - Recreation
	OAR 345-022-0040 - Protected Areas
	OAR 345-022-0080 - Scenic Resources
Exhibit U - Public Services	OAR 345-022-0110 - Public Services
Exhibit V – Wildfire Risk	OAR 345-022-0115 – Wildfire Prevention and Risk Mitigation
Exhibit W - Waste Minimization	OAR 345-022-0120 - Waste Minimization
	OAR 345-022-0110 - Public Services
Exhibit X - Site Restoration	OAR 345-022-0050 - Retirement and Financial Assurance

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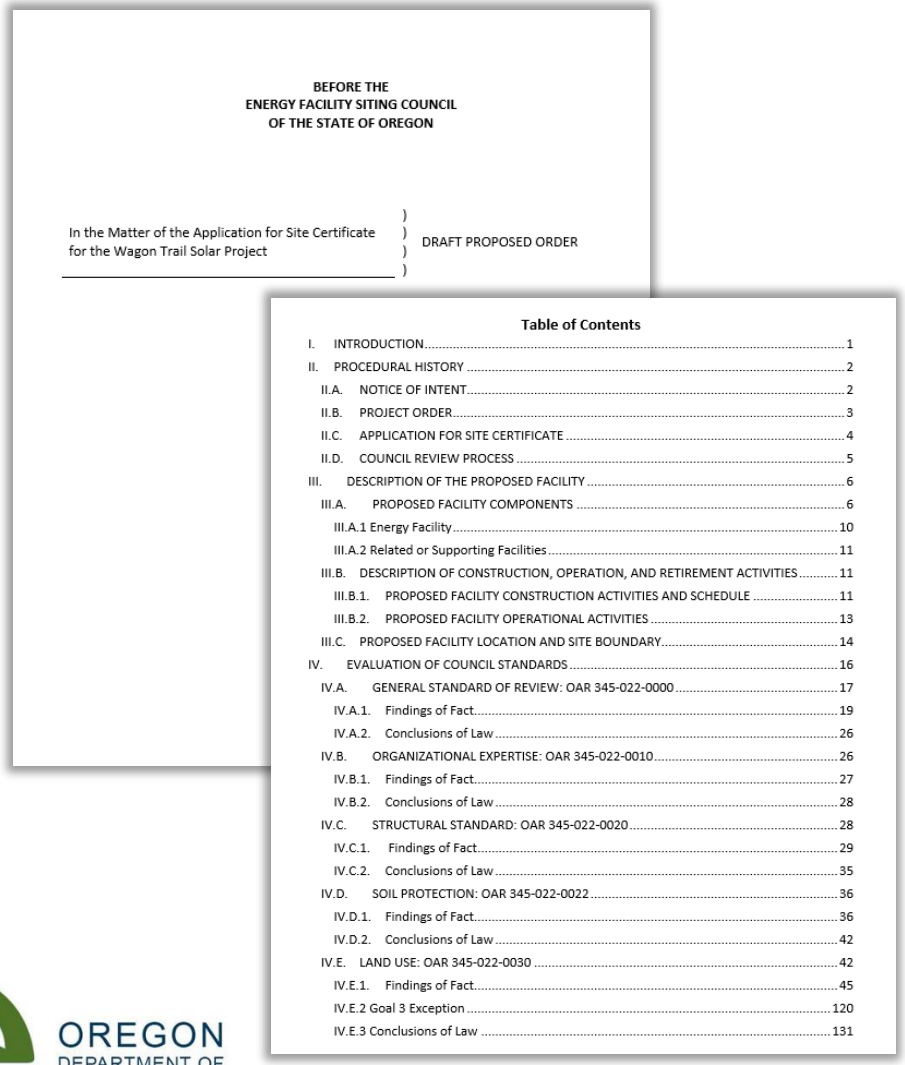
Draft Proposed Order (DPO)



BEFORE THE
ENERGY FACILITY SITING COUNCIL
OF THE STATE OF OREGON

In the Matter of the Application for Site Certificate for the Wagon Trail Solar Project)))) DRAFT PROPOSED ORDER

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ODOE recommended findings of fact, conclusions of law and conditions to EFSC on each Council Standard

Incorporates/evaluates agency comments/recommendations/conditions

Notice of Issuance of DPO

- Notice to Reviewing Agencies
- Public Notice

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Public Participation at DPO Phase

The DPO notice will initiate the opportunity for public comment on the proposed facility

Notice opens comment period and provides details on public hearings

The public may submit comments by:

- Online comment portal, Mail, email, hand-delivery, or fax during the comment period
- Providing written or oral comments at the DPO public hearing

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Public Participation at DPO Phase (cont'd)

- Persons commenting on DPO during that time are eligible to be considered for party status in the contested case proceeding.
  - The Council will not accept comments on the application or on the DPO after the close of the record at the conclusion of the DPO public hearing.
- For consideration in the contested case, issues raised must be raised with *sufficient specificity* so that the Council, the Department, and the applicant understand the issue raised and are afforded an opportunity to respond to the issue.
- To raise an issue with *sufficient specificity*, a person must present facts that support the person's position on the issue.

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Public Participation at DPO Phase (cont'd)

Effective Comments

- Referencing specific siting standards & providing specific information supporting whether or not a standard has been met
- Stating supporting facts in comments & attaching reference materials
- Referencing specific pages or sections of the application or DPO

Less Effective

- Stating support or opposition to a facility
- Only providing a copy of a report without presenting any analysis or facts related to compliance with a standard
- Raising issues outside of EFSC's jurisdiction
- Making unsubstantiated statements

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Wagon Trail Solar - Project Page

Oregon Department of Energy / Energy Facilities & Safety / Facilities / Wagon Trail Solar Project

Wagon Trail Solar Project

- ENERGY FACILITY SITING COUNCIL
- ENERGY FACILITIES
- FACILITIES UNDER REVIEW
  - ARCHWAY SOLAR ENERGY FACILITY
  - BOARDMAN TO HEMINGWAY TRANSMISSION LINE
  - CASCADE RENEWABLE TRANSMISSION SYSTEM
  - EUGENE TO MEDFORD TRANSMISSION LINE
  - LEANING JUNIPER IIA WIND POWER FACILITY
  - LONE PINE TO WHETSTONE 230 KV TRANSMISSION LINE
  - MUDDY CREEK ENERGY PARK
  - SUMMIT RIDGE WIND FARM
  - SUNSTONE SOLAR PROJECT (FKA ECHO SOLAR PROJECT)
  - UMATILLA-MORROW COUNTY CONNECT PROJECT
  - ▶WAGON TRAIL SOLAR PROJECT
  - WHEATRIDGE RENEWABLE ENERGY FACILITY EAST
  - YELLOW ROSEBUSH ENERGY CENTER
- FACILITY SITING IN OREGON

Site Description: The Wagon Trail Solar Project is a proposed solar photovoltaic energy generation facility with a generating capacity of approximately 500 megawatts. The facility would be located within an approximately 7,450-acre (11.64 sq. miles) site boundary. Other proposed components include a battery energy storage system (lithium-ion batteries); power collection system; up to two substations; operation and maintenance building; Generator Step Up (GSU) transformer; 0.6 mile overhead 230 kV transmission line; perimeter fencing, access roads and staging areas.

Status:

Proposed. Wagon Trail Energy Center, LLC (applicant), a wholly owned subsidiary of NextEra Energy Resources, LLC filed a complete Application for Site Certificate (ASC) on January 3, 2024; the ASC exhibits are available in the Timeline below or in hard copy at the Oregon Department of Energy Salem office. A public notice of the complete ASC and public information meeting, to be held both in person and virtually on January 17, 2024 starting at 5:00 p.m. PT, was issued on January 4, 2024 and is also available in the Timeline below.

In Person and Remote Public Informational Meeting:

The Department will hold a public informational meeting with the applicant to provide information about the proposed facility and the Energy Facility Siting Council's (EFSC) siting process. The public information meeting is not a public hearing and will not include public testimony or on the record public comments. Opportunity for written or oral testimony will be provided at a later date – during the draft proposed order (DPO) public comment period and public hearing. The meeting will provide an opportunity for in-person and remote participation. Additional details are provided below.

Meeting Details:
Date: Wednesday, January 17, 2024
Time: (Start) 5:00 PM PT
Location: Lexington Town Hall
425 F Street
Lexington, OR 97839

You may also participate in the informational meeting via Webinar or Teleconference:
Webinar link: https://odoe.webex.com/odoe/j.php?MTID=m02355 47b3c0fbe681d242215b6747eee

Contact the Facility Siting Team:
503-378-4040
800-221-8035
energy.siting@oregon.gov

Sign Up For Email Updates

- About the Site Certificate Process
- Site Certificate Process Flowchart
- Expedited Review Process Flowchart

EXHIBIT FILES REFERENCE

- Exhibit A: Applicant Information
- Exhibit B: Project Description
- Exhibit C: Property Location and Maps
- Exhibit D: Organizational Information
- Exhibit E: Permits Required
- Exhibit F: Property Ownership
- Exhibit G: Materials Analysis
- Exhibit H: Geology and Soil Stability
- Exhibit I: Soils
- Exhibit J: Wetlands
- Exhibit K: Land Use
- Exhibit L: Protected Areas
- Exhibit M: Financial Analysis
- Exhibit N: Non-generating Facility

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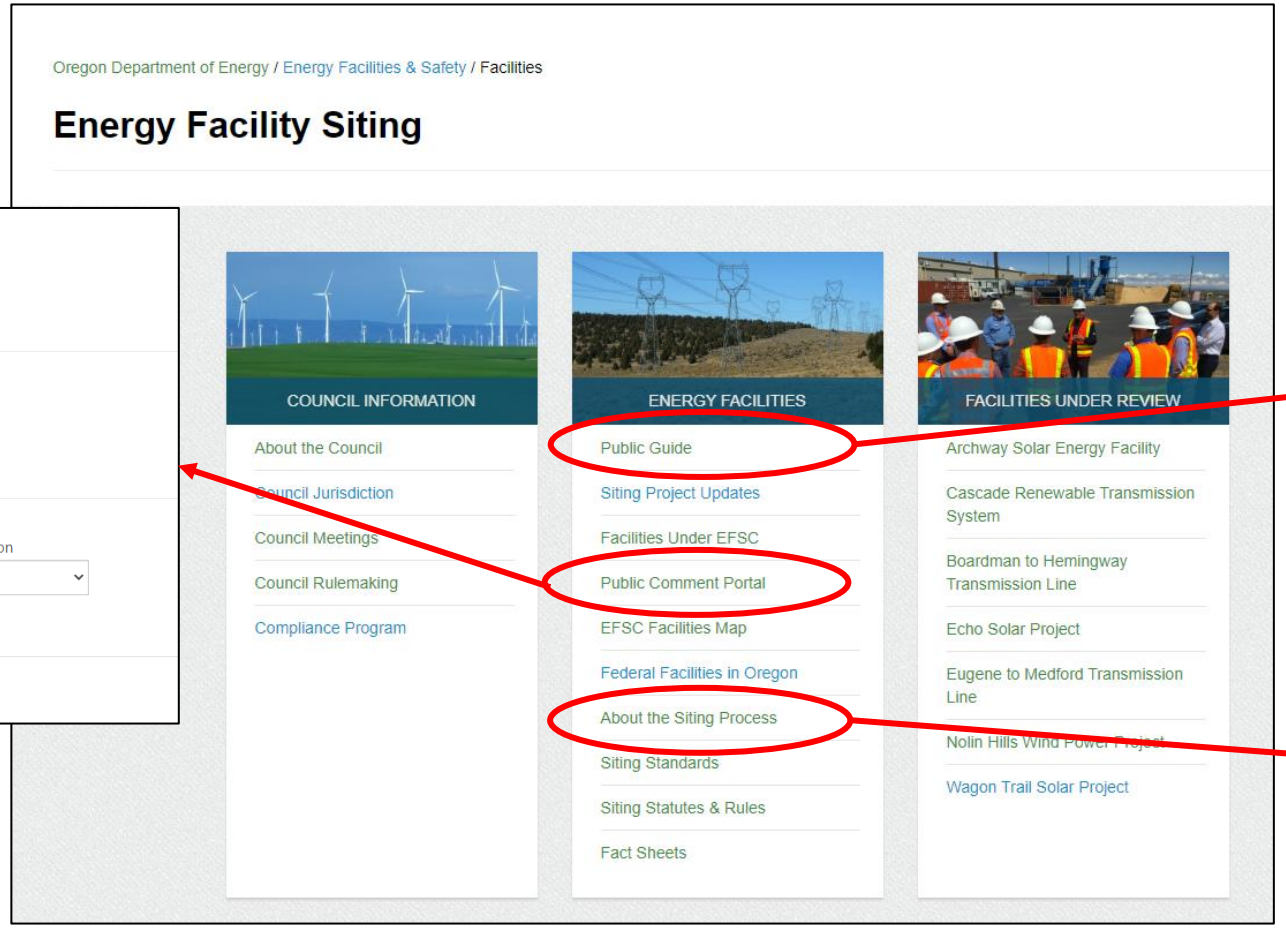
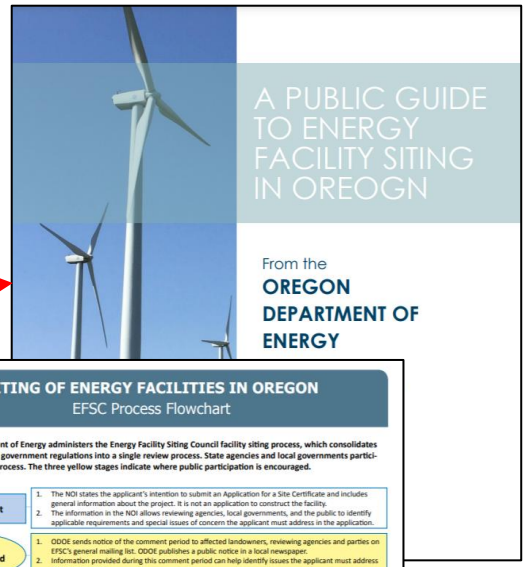
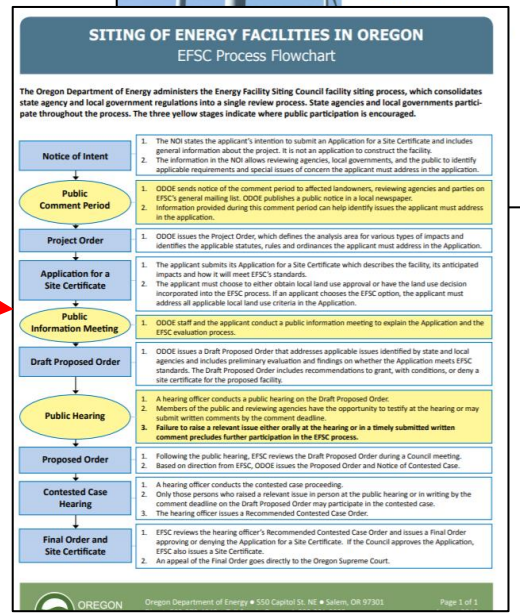
Helpful Resources







https://www.oregon.gov/energy/facilities-safety/Pages/default.aspx

https://www.oregon.gov/energy/facilities-safety/facilities/Pages/WTS.aspx

https://odoe.powerappsportals.us/en-US/SitingPublicComment/

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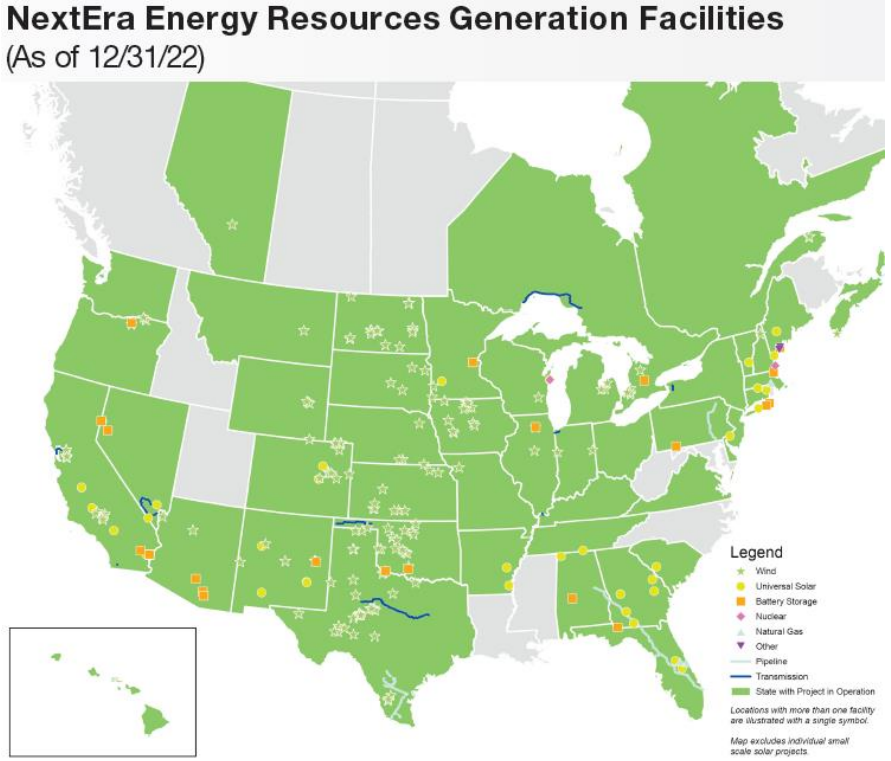
Wagon Trail Solar Project

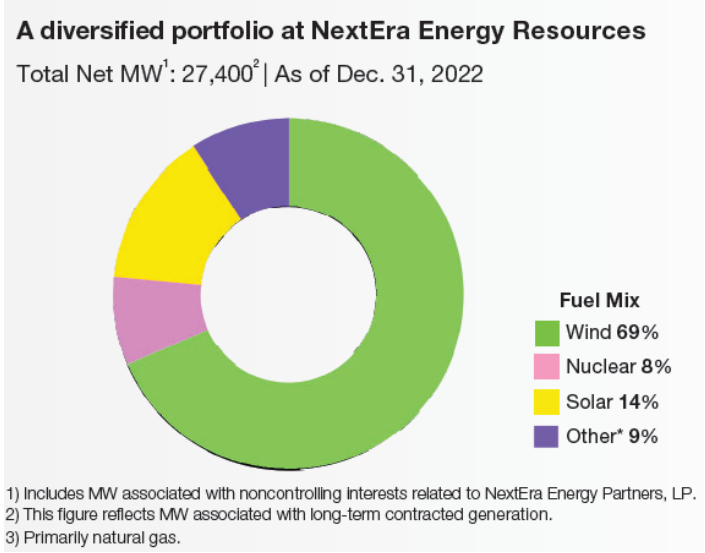
January 17, 2024

Ryan Hill

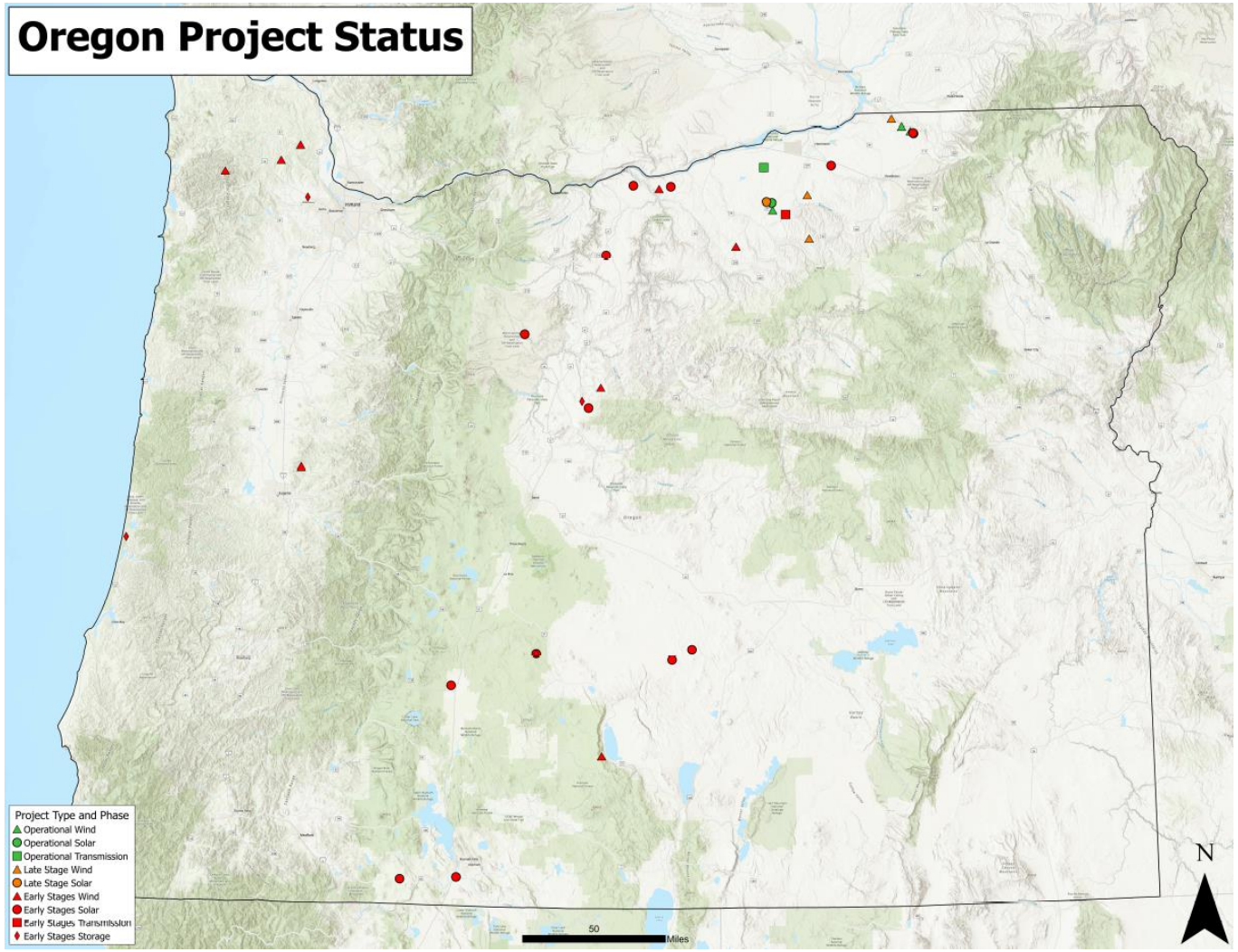
Applicant Background

- **Wagon Trail Energy Center, LLC a wholly owned subsidiary of NextEra Energy Resources, LLC (NEER). NEER is the world's largest generator of renewable energy from the wind and sun, a world leader in battery storage and is driving the development of the green hydrogen economy. Nearly all of our electricity comes from clean or renewable resources, including wind, solar, natural gas and nuclear energy facilities that are located in 40 states and Canada.**





NextEra Energy Resources in Oregon



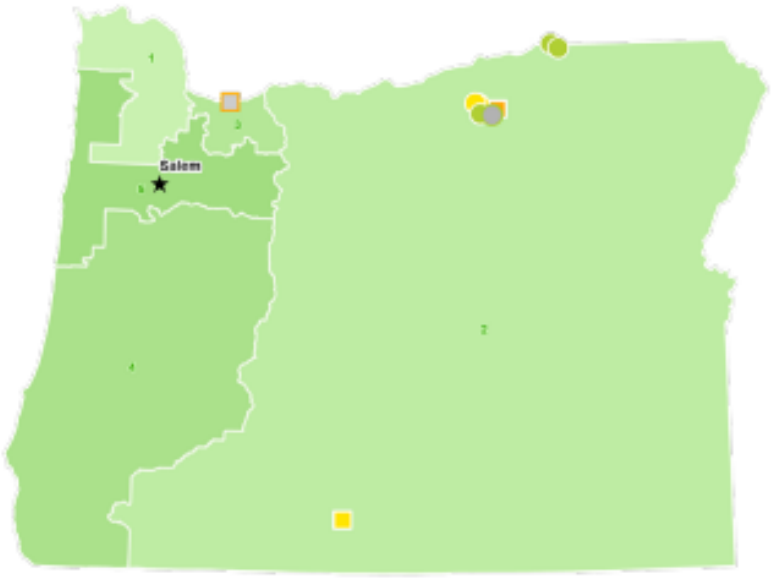
NextEra Energy Resources in Oregon

NextEra Energy Resources' assets in Oregon

3
wind energy centers in operation

1
distributed energy resource in operation

1
co-located, wind, solar & battery energy storage facility in operation



Legend: Wind · Utility-Scale Solar · Distributed Energy Resources · Battery Energy Storage

Benefits of our energy investments in Oregon

Approximately
$750 million
total capital investment

Approximately
$4.2 million
annual payroll

$3.2 million
annual land payments

$3.5 million
in property taxes, 2022*

* **Annual Property Taxes:** Includes property tax and other indirect taxes. Internal data based on 2022 full year

Wind energy is cost competitive*

Since 2009, the cost of wind energy has decreased nearly

70%

* Source: American Clean Power Association

NEXTera ENERGY RESOURCES

NextEra Energy Resources in Oregon

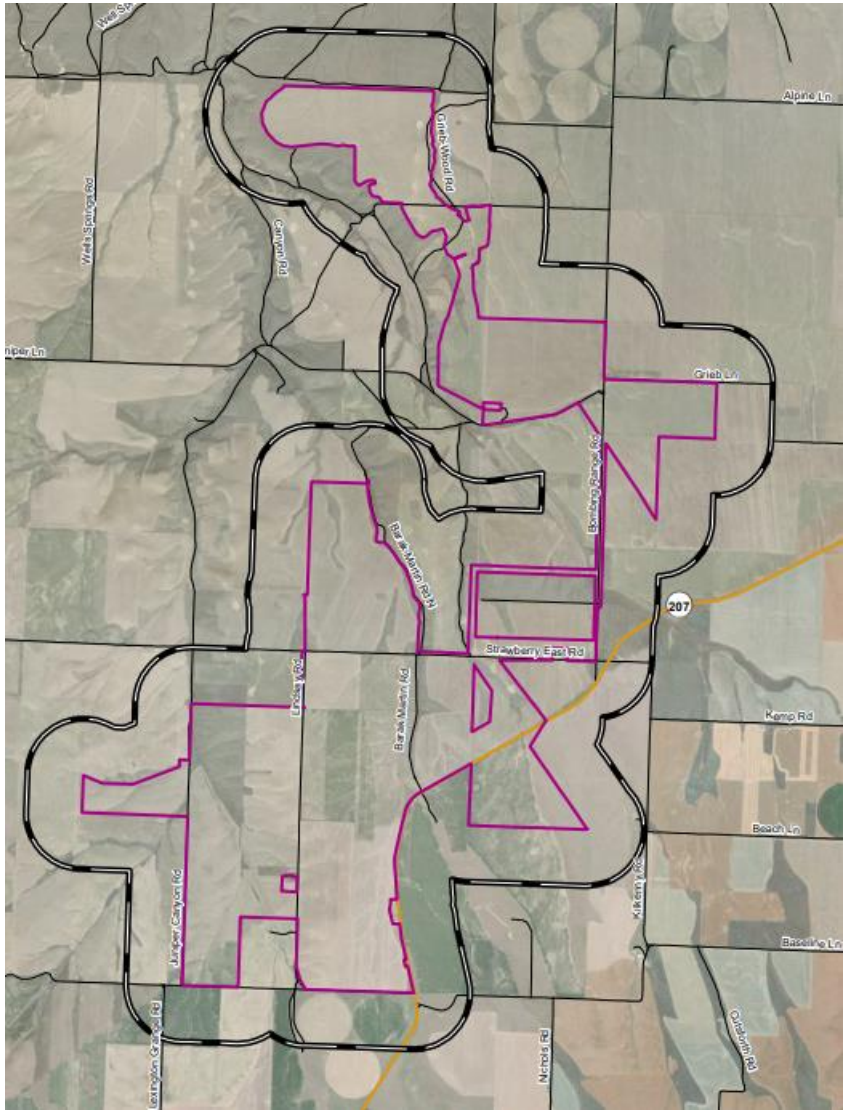
NextEra Energy Resources' Oregon Wind Energy Centers		
Name	**County**	**MW**
Stateline	Umatilla	123
Vansycle II	Umatilla	102
Wheatridge Renewable Energy Facility I (sold to PGE)	Morrow	100
Wheatridge Renewable Energy Facility II	Morrow	200
Wheatridge East (development)	Umatilla, Morrow	300
NextEra Energy Resources' Oregon Solar Energy Centers		
Name	**County**	**MW**
Wheatridge Renewable Energy Facility III	Morrow	50
Wagon Trail Energy Center (development)	Morrow	500
NextEra Energy Resources' Oregon Battery Energy Storage Systems		
Name	**County**	**MW**
Wheatridge Renewable Energy Facility III	Morrow	30
Troutdale Energy Storage (development)	Multnomah	200
Wagon Trail Energy Center (development)	Morrow	500

Wagon Trail Solar Project Overview

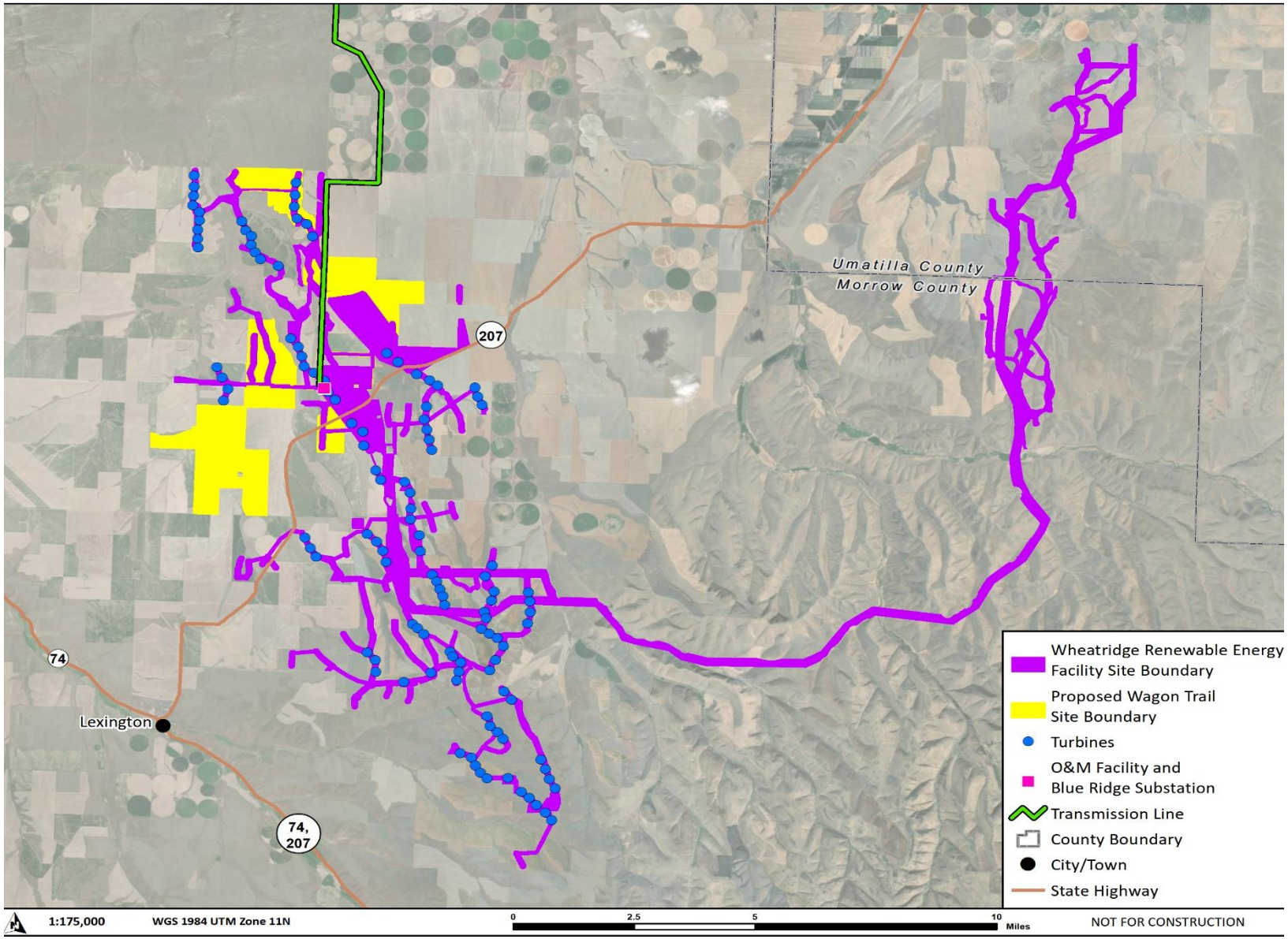
- **Up to 500 megawatts (MW) of solar, battery storage system capable of storing up to 500 MW**
- **Approximately 7,450 acres located in Morrow County, Oregon. Solar array footprint is approximately 3,641 acres within the boundary**
- **Interconnects to the existing Blue Ridge Substation**
- **Existing capacity on Blue Ridge to Morrow Flat Transmission Line**
- **Employs on average 150 people during construction**

Year	Activity
Summer 2024	Issuance of Wagon Trail Solar Project Site Certificate
Phase 1, 2025/2026	Phase 1 Begin and Complete Construction - 240-MW Development
Phase 2, 2026/2027	Phase 2 Begin and Complete Construction - 260-MW Development
Winter 2030	Construction Completion Deadline for All Phases

Site Boundary

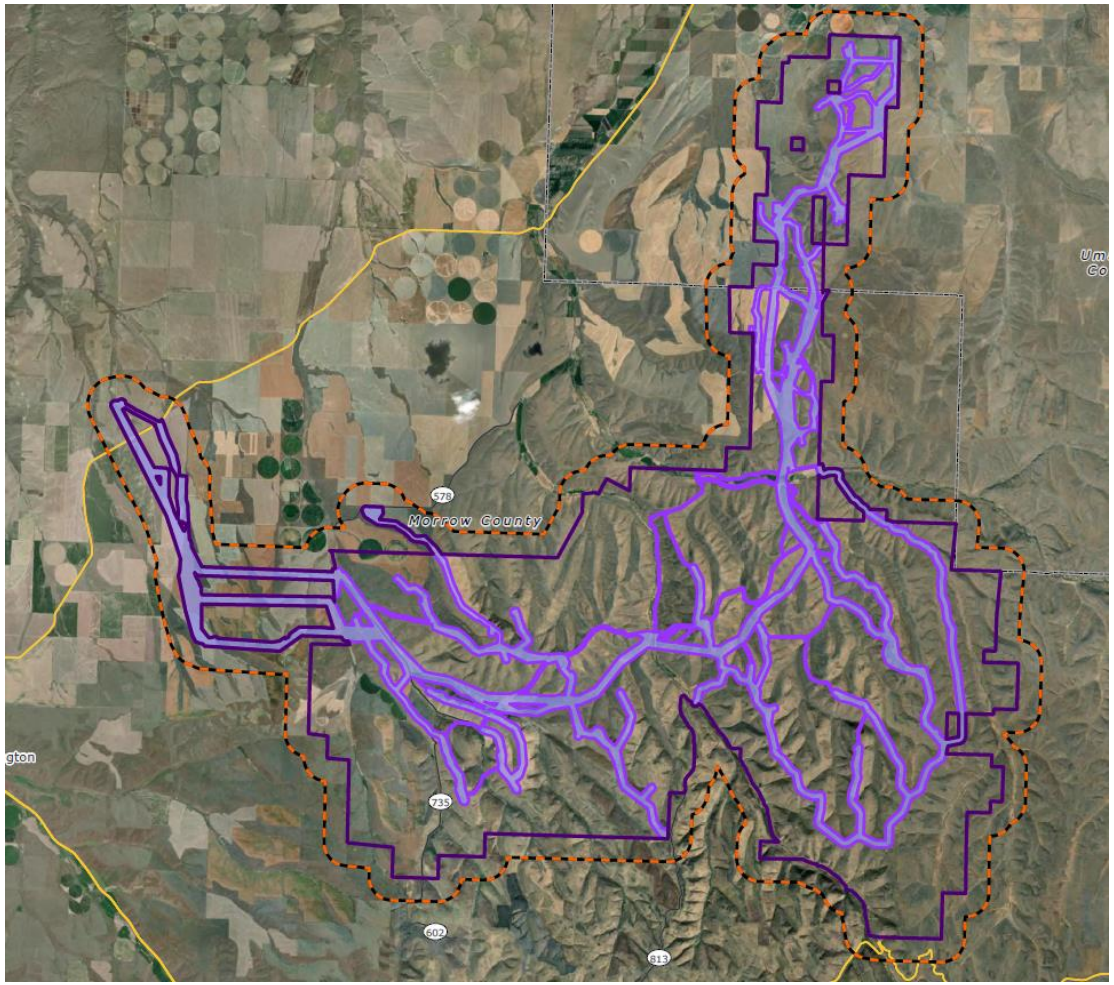


Area Map


Umatilla County
Morrow County
207
74
Lexington
74,
207
Wheatridge Renewable Energy Facility Site Boundary
Proposed Wagon Trail Site Boundary
Turbines
O&M Facility and Blue Ridge Substation
Transmission Line
County Boundary
City/Town
State Highway
1:175,000
WGS 1984 UTM Zone 11N
0
2.5
5
10
Miles
NOT FOR CONSTRUCTION

Area Map

(Amended Wheatridge East Boundary)



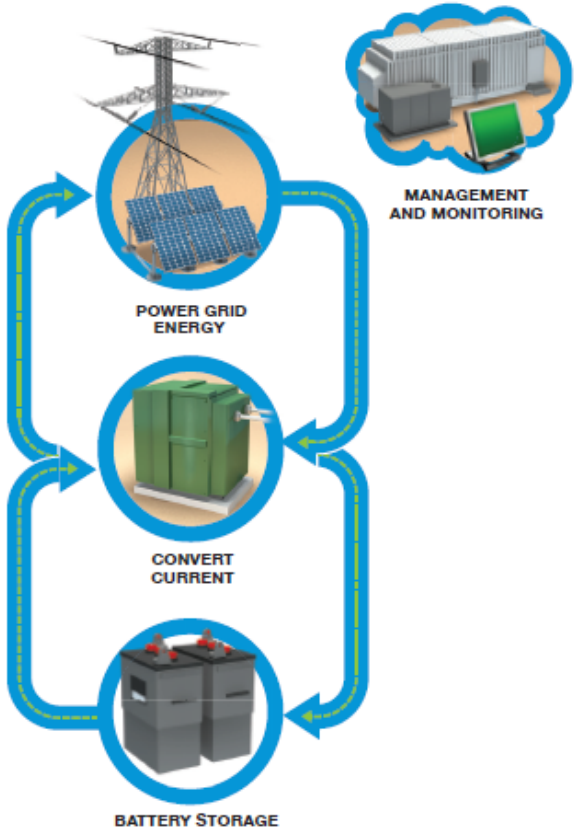
Benefits of Solar Energy

- Up to 95k households could be provided clean, renewable energy by the Wagon Trail Solar Project
- Creates jobs
- Diversifies income stream for landowners
- Has minimal visual and sound impacts
- Does not consume or discharge water for energy production
- Does not produce airborne toxins, acid rain or global warming emissions

BESS

How energy storage systems work

- A battery management system monitors the individual cells and controls the voltage, temperature and current for safe, reliable transfer of energy. The system automatically shuts off if the batteries are operating outside of predefined parameters.
- A computerized monitoring system provides up-to-date weather forecasts, power prices, historical electrical use, the amount of charge remaining in the batteries and when to use the energy storage system.
- Energy from the power grid or from renewable energy sources is delivered via a bidirectional inverter, which converts the energy from alternating current (AC) into direct current (DC). Today's batteries can only store DC. This energy goes into an array of batteries that is typically housed within a battery container or a building structure.
- When the energy is needed on the power system, the inverters are then used again, but this time to convert the DC from the batteries into AC. Once the power has been transformed, it is stepped up in voltage and subsequently sent to an on-site substation or directly to a distribution or transmission line.
- The electricity is then distributed to homes, schools, businesses and other consumers.



BESS

NextEra Contact

Ryan Hill: Senior Project Manager - (561) 834-9425

- Ryan.Hill@NextEraEnergy.com

Q&A and Comments

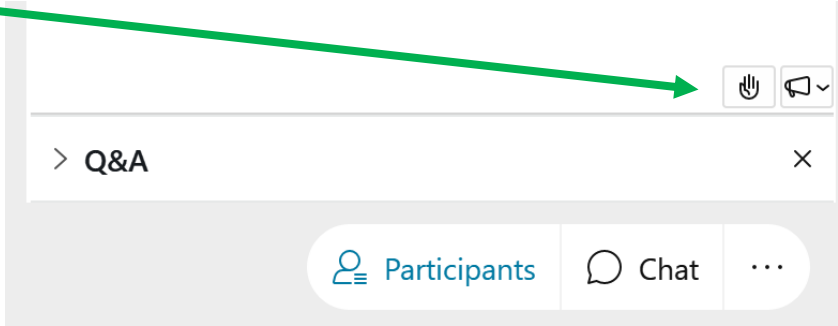
Webinar Participants

The bottom right of the main window is a set of icons:

Click on “Participants”

The bottom right of the participant window is a hand icon, click on the hand:

Clicking on it again will lower your hand.



Phone Participants

Press *3 on your telephone keypad to raise your hand.

Press *3 again on your telephone keypad to lower your hand.

The Department will Establish Time Limits, if Necessary.

Thank You for Your Patience While We Work on This.

OREGON DEPARTMENT OF ENERGY

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