# Oregon Renewable Energy Siting Assessment (ORESA)

Oregon Global Warming Commission

August 11, 2023





OREGON

Department of Land Conservation & Development









# **ORESA: PROJECT TEAM & COORDINATION**

- The ORESA project was funded through a \$1.1 million grant through U.S. Department of Defense Office of Local Defense Community Cooperation (DOD-OLDCC). Closed June 30, 2022.
- The grant team includes Oregon Department of Energy, working with the Department of Land Conservation & Development and Oregon State University's Institute for Natural Resources.
- The project incorporated the expertise of state, local, and tribal governments through interagency agreements, along with input from industry and technical advisors, and cross-sectoral stakeholder and community engagement.

# **ORESA: GOALS AND OBJECTIVES**

DOD Goals Support military compatibility through coordination with local, regional, and state agencies and raise awareness about the military.

Project Goals Create **relevant educational tools** for stakeholders, agencies, local governments, and policy makers about renewable energy development, military training and operational areas, economic/community benefits, land use considerations, natural, cultural, and environmental resources, and other regulatory requirements. Users can explore these resources to inform discussions related to renewable energy in a way that **minimizes conflict and supports development opportunities**.

Project Objectives Baseline data, information, and perspectives to create a transparent, consistent collection of trusted, accurate information in Oregon, without recommendations or endorsements, and note where information may be imprecise or uncertain.

### Renewable Energy Market & Industry Assessment (ODOE / E3)

- Model future opportunities for renewables
- Perspectives of challenges and opportunities RE development community
- COMPLETED

### Natural Resources, Environment, & Development: Opportunities & Constraints Assessment (DLCD / CBI)

- Gather information on natural, cultural, & env. resources
- Identify opportunities and constraints for RE development
- COMPLETED

### **Outreach & Engagement** (ORESA Project Team)

- Release near-final deliverables for review and corrections
- Publish final draft of ORESA Report and Tool
- Provide presentations, Tool demos, and discussions
- APRIL JUNE 2022 (and ongoing)

**Project Deliverables** 

**ORESA Report ORESA** Mapping & **Reporting Tool** 

### Military Needs & **Interests Assessment** (ODOE / DLCD / ESS)

- Assess interaction of current and future military activity and RE development
- COMPLETED

### **Siting Procedures Review** (ODOE / DLCD)

- Review and analysis of siting regulations, permitting, and project review processes
- COMPLETED

### **Mapping & Reporting Tool** (INR leading)

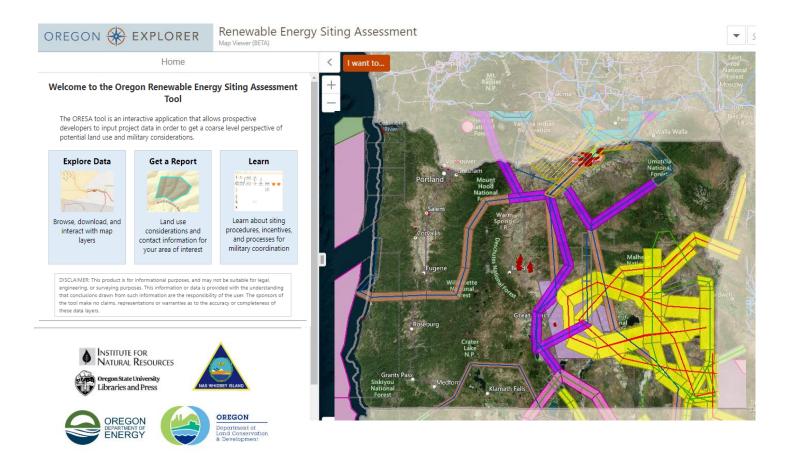
- Develop Mapping and Reporting tool
- Engage with stakeholders to inform and test functionality and reporting features
- Convene Focus and Cross-sector User Groups, conduct Beta testing **COMPLETED**

# **ORESA REPORT**

- Section 1: Explore Summary of core activities and research methodologies from the ORESA assessments, procedures review, and Mapping and Reporting Tool. Includes findings and best practices for data collection and organization.
- Section 2: Report Key findings from the assessments on what information is critical for discussions and planning of renewable energy development in Oregon. Includes context on the Reporting function and data in the Tool.
- **Section 3**: Learn Lessons learned from the project, including important conversations, perspectives, and issues from stakeholders and project participants. Summarizes the Learn section of the Tool.
- **Oregon Renewable Energy** Siting Assessment (ORESA) **ORESA Final Report - Draft** Content below contains near-final content and information for the purposes of soliciting public feedback on accuracy and clarity of the document. Any content that is still under development is noted in the file.
- Section 4: Conclusion Additional items not addressed in the project including data gaps, Tool function and features, and resources that were of interest or highlighted by stakeholders and project participants.
- Appendices: Index and links to supporting materials including the assessment reports, procedures report, summary outreach documents and military brochure.

# MAPPING AND REPORTING TOOL

- Housed on <u>Oregon Explorer</u> with data related to renewable energy; military; economic development; land use; natural resources; and other regulatory or process considerations.
- Development involved stakeholders to help define use cases, data exploration needs and reporting functionality.
- Tool supports a more comprehensive understanding of renewable energy and supports early notification & coordination in the state.



# **Tool Review**



### Welcome to the Oregon Renewable Energy Siting Assessment Tool

The ORESA tool is an interactive application that allows prospective developers to input project data in order to get a coarse level perspective of potential land use and military considerations.

### **Explore Data**



Browse, download, and interact with map layers

### Get a Report



Land use considerations and contact information for your area of interest

### Learn



Learn about siting procedures, incentives, and processes for military coordination

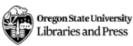
DISCLAIMER: This product is for informational purposes, and may not be suitable for legal, engineering, or surveying purposes. This information or data is provided with the understanding that conclusions drawn from such information are the responsibility of the user. The sponsors of the tool make no claims, representations or warranties as to the accuracy or completeness of these data layers.





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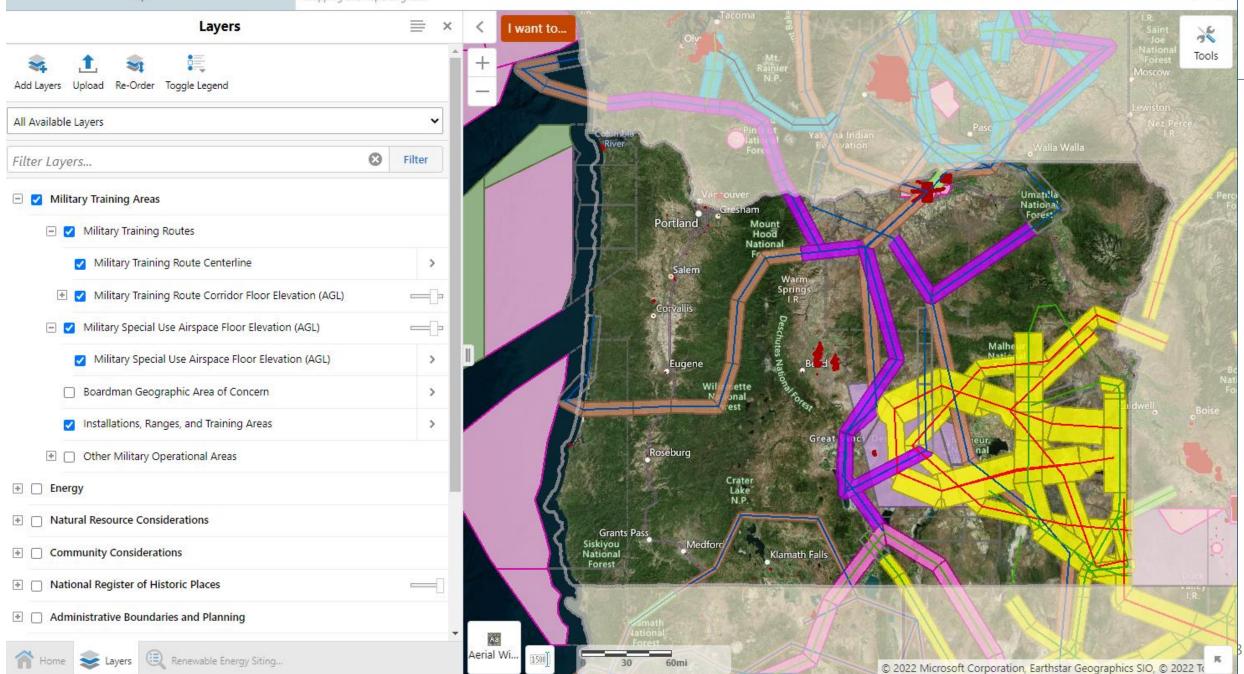






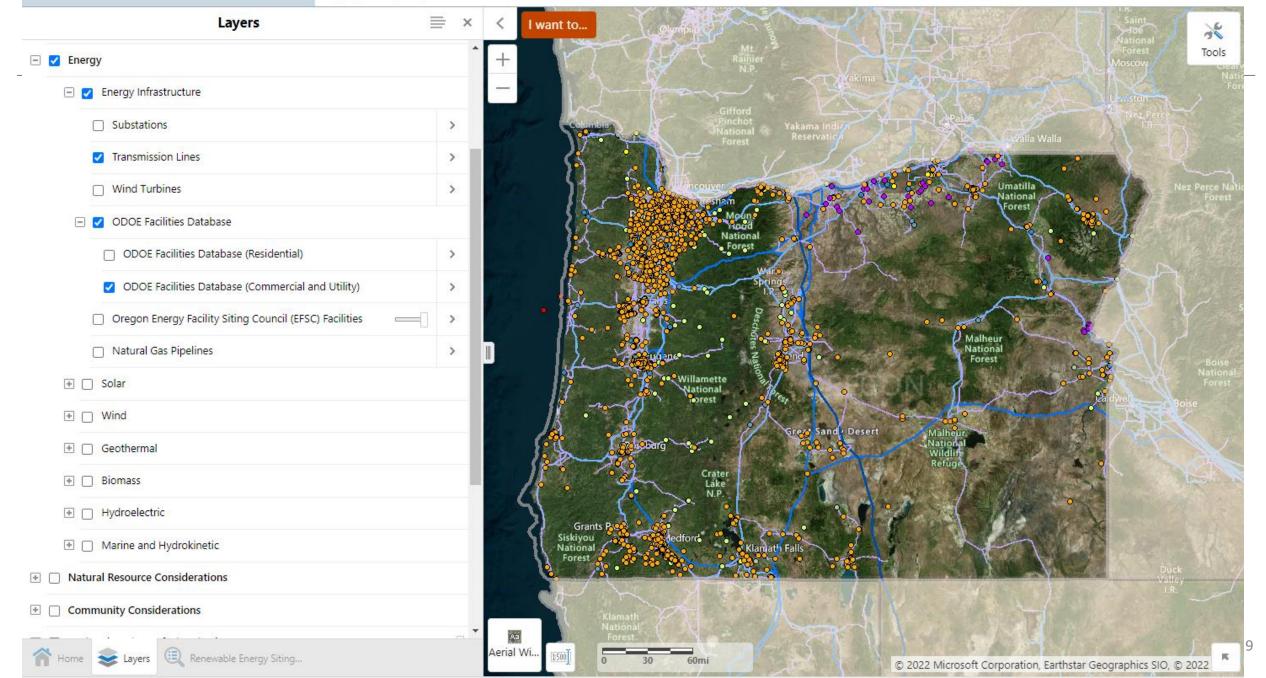
### Renewable Energy Siting Assessment Mapping and Reporting Tool

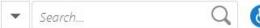








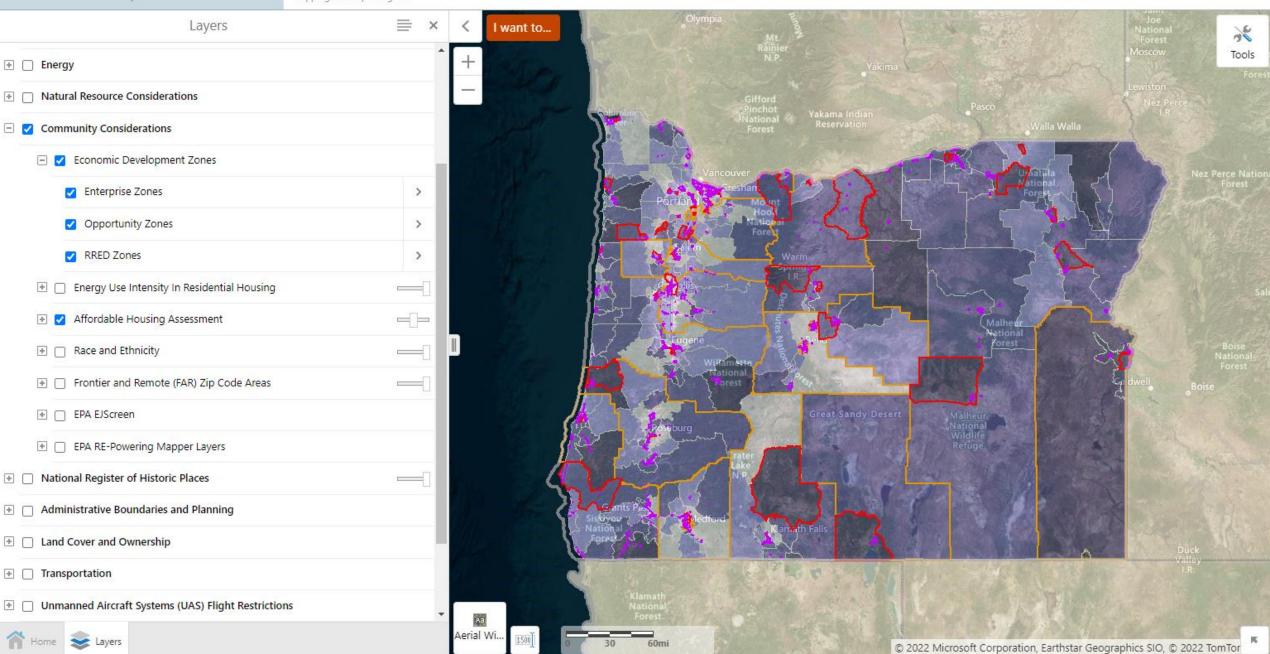












Mapping and Reporting Tool





Home

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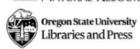
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Mapping and Reporting Tool

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### Renewable Energy Siting Assessment Project Information

Information generated by this report will only be available to you and not shared unless you choose to initiate contact to coordinate further exploration and development.

#### **Site Name**

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### Select Development Type(s)

Select if your project is planned to be onshore or offshore

- Onshore development
- O Offshore development

On-shore development options

- ✓ Wind (onshore)
- ✓ Solar Photovoltaic
- ☐ Geothermal
- ☐ Other/hybrid (onshore)

### Maximum Height (ft)

Anticipated max height of tallest structure in feet.

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### MegaWatts

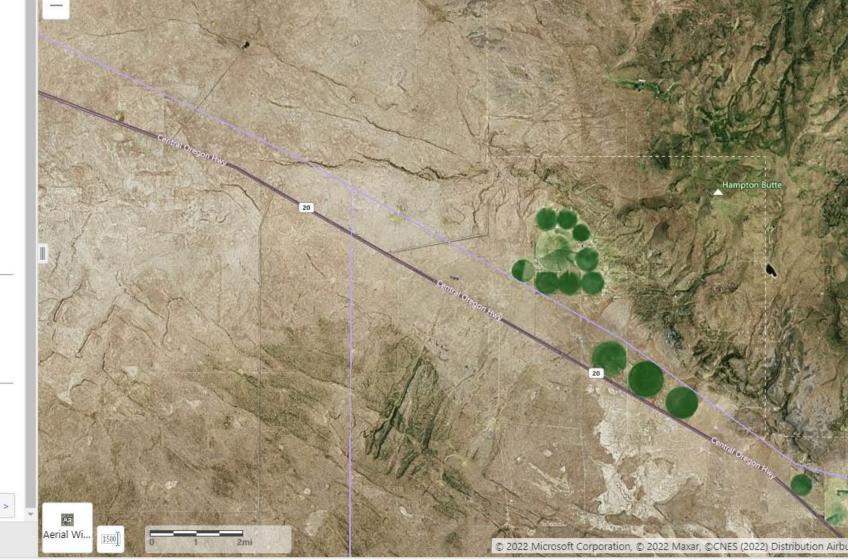
Anticipated production of energy in MegaWatts.

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Mapping and Reporting Tool



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### Report Options

### Default Report Sections

- Site Information
- Military Training Areas
- Contacts

### **Optional Report Sections**

Check which sections to include in your report.

All None

- Energy Considerations
- Natural Resource Considerations
- Community Considerations

### Results

- All queries/results
- O Include only intersected/relevant results



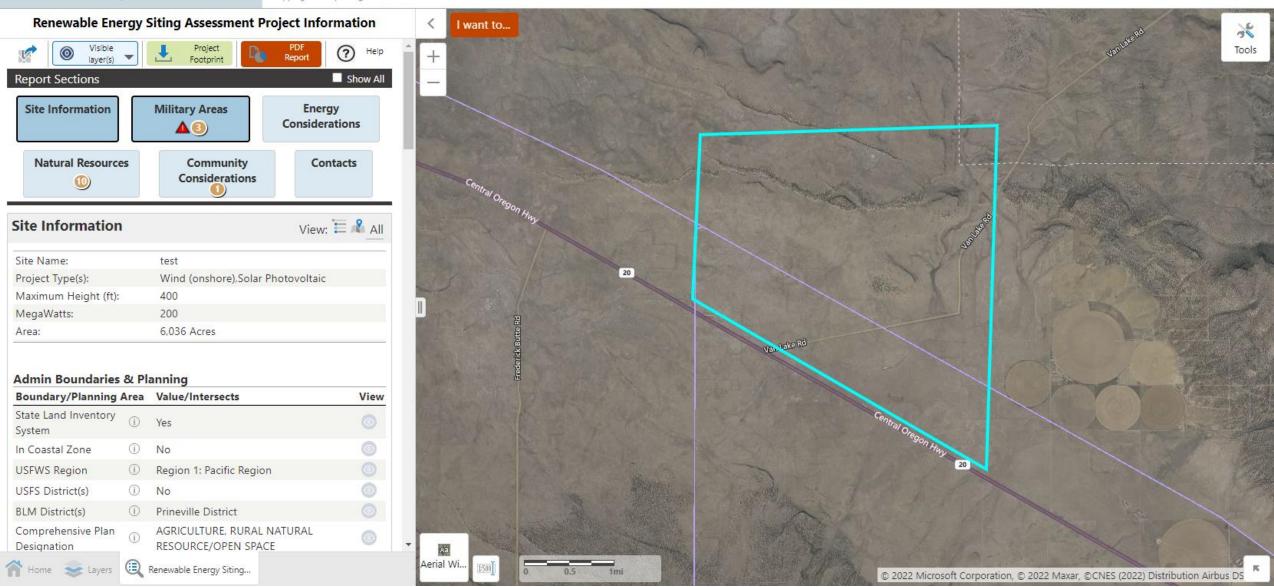






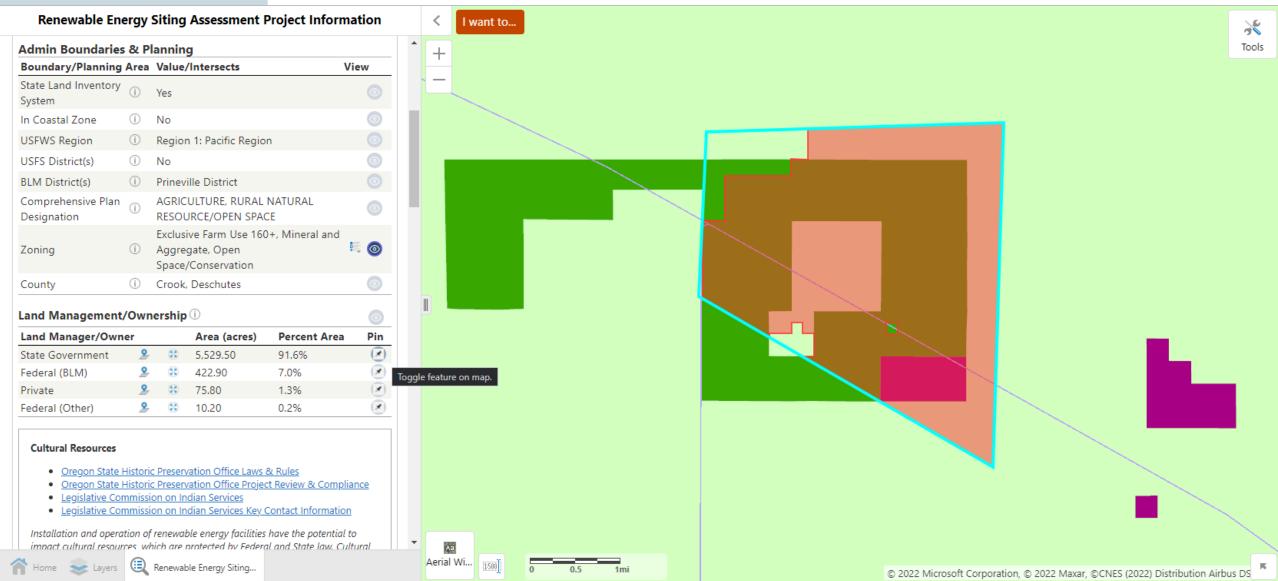


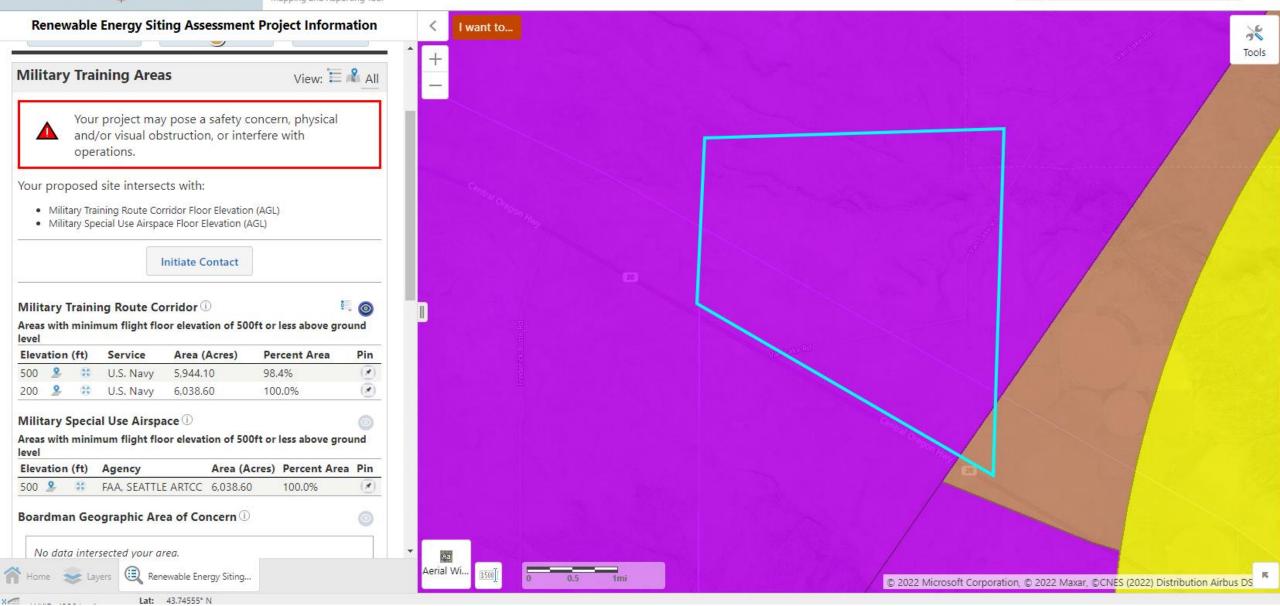










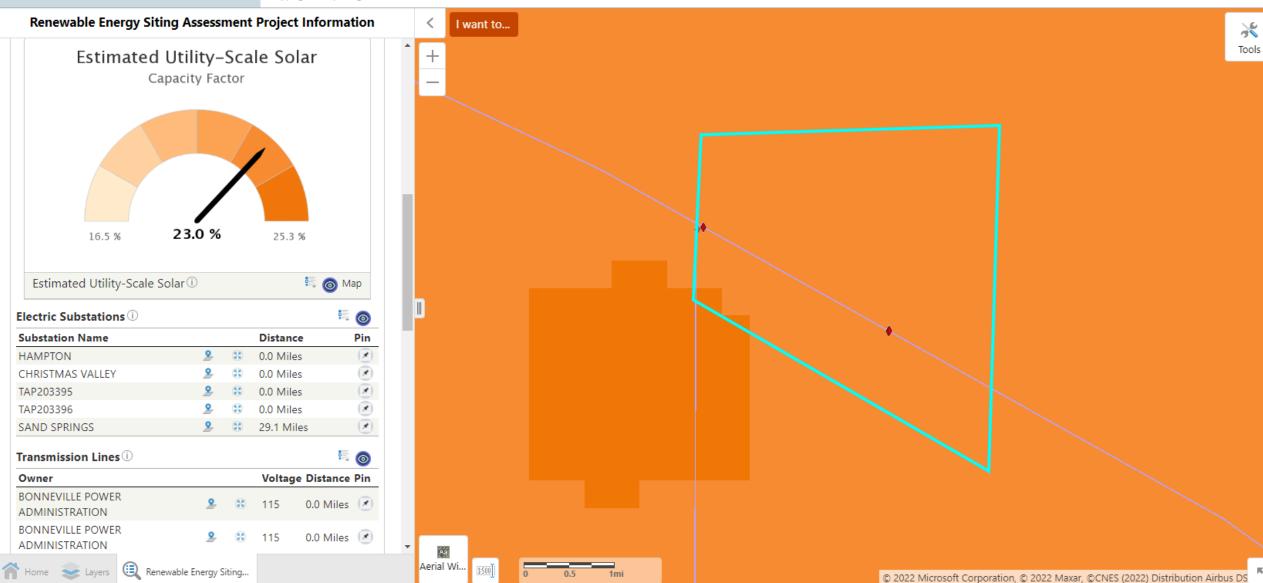




### Renewable Energy Siting Assessment Mapping and Reporting Tool

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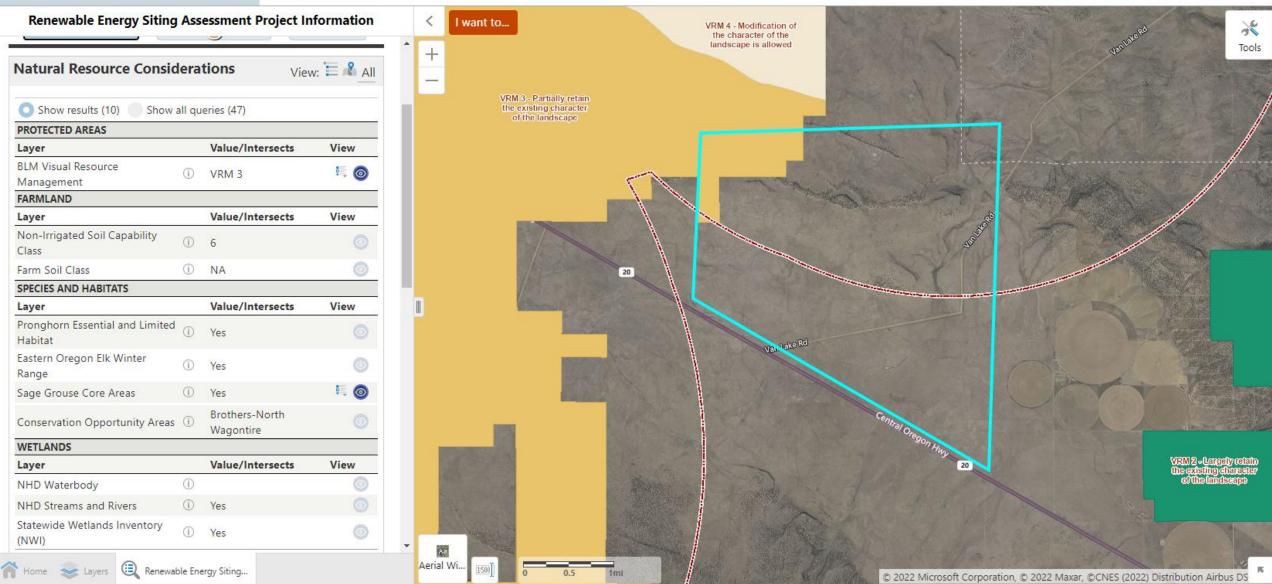
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### Renewable Energy Siting Assessment Mapping and Reporting Tool

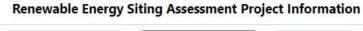
Search...



Mapping and Reporting Tool

Search..





**Natural Resources** 

Community Considerations Contacts

### **Community Considerations**

Layer		Value/Intersects	View
RRED Zones	<u>()</u>	Yes	<b>5 0</b>
Opportunity Zones	(i)	No	0
Enterprise Zones	(i)	No	0

#### Additional Resources

- · Oregon Department of Energy Incentives information
- Business Oregon Rural Renewable Energy Development (RRED) Zone Program
- Business Oregon Oregon Investment Advantage
- Business Oregon, Oregon Prospector Tool
- . U.S. Energy Information Administration Renewable Energy Incentives information

#### **Equity and Environmental Justice Resources**

Oregon passed HB 4077 (2022) to develop a statewide equity mapping tool. Until that work is completed below are additional national scale resources to understand equity and environmental justice further.

- EJScreen EPA's Environmental Justice Screening and Mapping Tool
- Energy Justice Dashboard (BETA)
- Climate & Economic Justice Screening Tool
- . Low-Income Energy Affordability Data (LEAD) Tool













### Renewable Energy Siting Assessment Project Information

Custom Area Area: : 6,036 Acr

### Introduction

The Oregon Renewable Energy Siting Assessment (ORESA) project was funded through a \$1.1 million U.S. Department of Defense Office of Local Defense Community Cooperation grant awarded to the Oregon Department of Energy, working with the Department of Land Conservation & Development and Oregon State University's Institute for Natural Resources.

The project sought to support military compatibility through coordination with local, regional, and state agencies, and raise awareness about the military through the ORESA project. The objective for the Oregon Renewable Energy Siting Assessment Map Viewer and Reporting Tool was to assemble baseline data to create a transparent, consistent collection of trusted, accurate information, without recommendations or endorsements

This tool is for illustrative and administrative purposes only. The map viewer and reports generated by it are not meant to replace the formal permitting process in the state of Oregon. The tool provides the approximate physical, environmental, management, and jurisdictional conditions of a selected area within Oregon. This information or data is provided with the understanding that conclusions drawn from such information are the responsibility of the user. The sponsors of the tool make no claims, representations or warranties as to the accuracy or completeness of these data layers.

### Military Coordination

Since your specified area of interest for a possible development is near or intersects a military training area, installation, special use airspace, or geographic area of concern, it is important to coordinate AS EARLY AS POSSIBLE DURING the exploration of any projects with the military to ADDRESS possible issues in the future.

U.S. Navy

Kimberly Peacher

Email: kimberly.n.peacher.civ@us.navy.mil

Initiate Contact

**NW DoD Regional Coordination Team Representitives** 

Kimberly Peacher

Initiate Contact

Email: kimberly.n.peacher.civ@us.navy.mil

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### Renewable Energy Siting Assessment Project Information

Custom Area Area: : 6,036 Acres

#### BLM District(s)

#### US Fish & Wildlife

#### **Prineville District**

3050 N.E. 3rd Street Prineville, OR 97754
541-416-6700
BLM\_OR\_PR\_Mail@blm.gov
https://www.blm.gov/office/prineville-district-office

#### U.S. Fish and Wildlife Service (Pacific Region, Oregon Office)

911 NE 11th Ave. Portland, Oregon 97232 (503) 231-6120 null https://www.fws.gov/pacific/

#### **State Contacts**

#### **Oregon Department of Energy**

550 Capitol St. NE, 1st Floor Salem, OR 97301 (503) 378-4040

https://www.oregon.gov/energy/Pages/index.aspx

#### Oregon Department of Land Conservation and Development 635 Capital Street NE Suite 150 Salem OR 97301

635 Capitol Street NE, Suite 150, Salem, OR 97301 (503) 373-0050 dlcd.info@state.or.us https://www.oregon.gov/LCD/pages/index.aspx

#### **Oregon Military Department**

1776 Militia Way SE, Salem, OR 97309-5047 (503) 584-3980 https://www.oregon.gov/OMD/Pages/Home.aspx

#### Oregon Parks and Recreation Department State Historic Preservation Office

725 Summer Street NE, Suite C Salem, OR 97301 (503) 986-0707 oregon.heritage@oregon.gov https://www.oregon.gov/oprd/OH/Pages/default.aspx

#### Oregon Department of State Lands

775 Summer St. NE, Suite 100 Salem, OR 97301-1279 (503) 986-5200 https://www.oregon.gov/dsl/Pages/index.aspx

### Oregon Department of Environmental Quality

700 NE Multnomah Street, Suite 600 Portland, OR 97232-4100 503-229-5696 https://www.oregon.gov/DEQ/Pages/index.aspx

#### **Oregon Department of Forestry**

2600 State Street, Salem, Oregon 97310 503-945-7200 forestryinformation@oregon.gov https://www.oregon.gov/odf/Pages/index.aspx

### Oregon Department of Fish and Wildlife

4034 Fairview Industrial Drive SE Salem, OR 97302 (503) 947-6000 odfw.info@state.or.us https://www.dfw.state.or.us/

#### Legislative Commission on Indian Services

900 Court St. NE, Room 167, Salem, OR 97301 (503) 986-1067 LCIS@oregonlegislature.gov https://www.oregonlegislature.gov/cis

#### **Oregon Department of Aviation**

3040 25th Street SE, Salem, OR 97302 (503) 378-4880 aviation.mail@aviation.state.or.us https://www.oregon.gov/aviation/Pages/index.aspx

#### **Oregon Water Resources Department**

725 Summer Street NE, Suite A Salem, OR 97301 503-986-0900 https://www.oregon.gov/owrd/Pages/index.aspx

#### **Public Utility Commission of Oregon**

201 High Street SE, Suite 100, Salem, OR 97301-3398 503-373-7394 https://www.oregon.gov/PUC/Pages/default.aspx

# **RESOURCES**

Project website: Oregon Renewable Energy Siting Assessment (ORESA)

### Key Deliverables

- ORESA Mapping and Reporting tool
  - ORESA Mapping & Reporting Tool Summary
  - ORESA Mapping & Reporting Tool Demonstration Video
- ORESA Report (Near-Final)
- Renewable Energy Landing Page (Oregon Explorer)

### **Supporting Materials**

- Renewable Energy Market and Industry Assessment Report
- Military Needs and Interests Assessment Report
- Natural Resources, Environment, And Development Opportunities and Constraints
   Assessment Report
- ORESA Procedures Report
- Brochure: Oregon and Our Nation's Military

# **STAY IN TOUCH!**

Learn more about the ORESA project:

https://www.oregon.gov/energy/energy-oregon/Pages/ORESA.aspx

Send comments and questions:

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

Sign up for email updates:

http://web.energy.oregon.gov/cn/a6n53/subscribe









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