

# Oregon Renewable Energy Siting Assessment

## ORESA Mapping and Reporting Tool



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Primary users of the tool include renewable energy developers, land use authorities and policy makers at all levels (local, state, tribal and federal)

### ORESA Tool Objectives

- Facilitate easy access to data and information to support new renewable energy developments in Oregon with consideration given to military training and operational area compatibilities, economic and community benefits, current land use policies and plans, cultural and environmental resource assets, and state and local regulatory requirements.
- Promote and establish a framework for early notification and ongoing coordination and communications on potential development projects with the Military and other agencies.
- Make accessible a transparent, consistent collection of trusted, accurate data and information, without recommendations or endorsements, and note where information may be imprecise or uncertain.

### Use Case Examples

A **developer** is looking for possible sites for renewable energy development in Oregon that will be economically viable and have a high likelihood of success for approval. The ability to quickly assess many data layers and receive a simple summary of the anticipated environmental, cultural and military considerations at the specified site(s) will assist their planning activities. If a developer decides to proceed with a specific site, the Tool will enable notification and coordination with the appropriate Military contacts, as well as contact information for other interested parties.

A **county planning department** receives an application for a large utility scale renewable energy facility filed under the provisions of ORS 215.446 (HB 2329). Access to the Tool assists the planners to let them know with whom to communicate and coordinate and prepare a thorough staff report that better answer questions that might come from the planning commission or elected officials during the public hearing process.



### Project Contacts and [Information](#)

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*This map with military data layers is displayed for illustrative purposes only*

The tool will be housed on the [Oregon Explorer](#), and maintained by the Institute for Natural Resources (INR) and the Oregon State University Libraries & Press

## ORESA Mapping & Reporting Tool Functionality

**Tool functionality will be informed by the anticipated uses described by stakeholders from the three ORESA assessments. Anticipated functionality includes, but is not limited to:**

- Ability to filter and query data layers, measure areas and distances, view metadata, download data, add external map services, upload local data, and create maps
- Identification of restricted areas as well as sites with additional considerations and trade-offs
- Inclusion of military contact information for notification and coordination in applicable locations
- Creation of a Renewable Energy Planning Report for an area of interest with additional context and maps in pdf format

## Tool Timeline

**October 2019**  
**Project Begins**

*Scoping, Cross Assessment Coordination, Stakeholder Engagement & Data Gathering*

**February 2021**  
**Data Collection Complete**

*Tool Development & User Group Meetings*

**Spring 2021**  
**Beta Tool Ready for Testing**

*Beta Testing with Users & Tool Improvements*



**June 2021**  
**Tool Launch on the Oregon Explorer**

[www.oregonexplorer.info](http://www.oregonexplorer.info)



## Oregon Renewable Energy Siting Assessment (ORESA) Project Partners



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DEPARTMENT OF  
**ENERGY**



**OREGON**  
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Land Conservation  
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