

# County Energy Resilience Program

## Plan Development Resources

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## Energy Resilience Consultants

The entities below may be available to contract as technical assistance providers for energy resilience plan development. Contact them directly with inquiries.

Name	Pertinent Foci	Website
ECONorthwest	Climate change mitigation and adaptation	<a href="https://econw.com/">https://econw.com/</a> Contact: <a href="#">Mark Buckley</a>
Cascadia Consulting Group	Energy, community engagement, equity	<a href="https://www.cascadiaconsulting.com/">https://www.cascadiaconsulting.com/</a> Contact: <a href="mailto:proposals@cascadiaconsulting.com">proposals@cascadiaconsulting.com</a>
Institute for Policy Research and Engagement: Oregon Partnership for Disaster Resilience	Energy resilience, natural hazard mitigation	<a href="https://ipre.uoregon.edu/about-us/">https://ipre.uoregon.edu/about-us/</a> Contact: <a href="#">Josh Bruce</a> and <a href="#">Michael Howard</a>
Good Company, a division of Parametrix	Sustainability, climate mitigation and adaptation	<a href="https://goodcompany.com/">https://goodcompany.com/</a>
SERA Architects	Sustainability, climate action planning, resilience planning, community engagement	<a href="https://www.seradesign.com/">https://www.seradesign.com/</a> Contact: <a href="#">Suzanne Blair</a> or <a href="#">Stuart Colby</a>
Sol Coast Consulting and Design, LLC	Community-based energy systems, energy inventories, energy planning and systems design	<a href="http://www.solcoast.com">www.solcoast.com</a> Contact: <a href="#">Shannon Souza</a>
Alternative Energy Systems Consulting Inc. (AESC)	Energy efficiency, renewable energy, solar + battery storage, energy engineering, resiliency planning	<a href="https://www.aesc-inc.com/">https://www.aesc-inc.com/</a> <a href="https://www.aesc-inc.com/energy-resiliency-intro-guide/">https://www.aesc-inc.com/energy-resiliency-intro-guide/</a> Contact: <a href="#">Brian Lynch</a> <a href="mailto:blynch@aesc-inc.com">blynch@aesc-inc.com</a>
Raimi + Associates	Sustainability and climate change, land use and urban design, social vulnerability, equity	<a href="https://www.raimiassociates.com/">https://www.raimiassociates.com/</a> Contact: <a href="#">Walker Wells</a>
Energy Strategies	Community renewable energy, climate action planning, energy systems and infrastructure	<a href="https://www.energystrat.com/new-insights-experience">https://www.energystrat.com/new-insights-experience</a>
Oregon economic development districts	Varying foci	<a href="https://oedd.org/members/">https://oedd.org/members/</a>  Contact your regional EDD to inquire about staff availability and expertise.

Oregon Department of Emergency Management (OEM) also has a [consultant list](#) of entities OEM has worked with on natural hazard mitigation planning.

The provision of this list is not an Oregon Department of Energy (ODOE) endorsement of these organizations. ODOE does not certify or guarantee their services. If you have an addition for this list, please contact [county.resilience@energy.oregon.gov](mailto:county.resilience@energy.oregon.gov).



## Example Plans

Below are a few energy plans that relate to energy resilience. While these plans do not meet the exact requirements of the County Energy Resilience Program they may provide some insight and examples for your plan.

- Wallowa County. (2023). [\*Community Energy Strategic Plan\*](#).
- Hood River County. (2018). [\*Hood River County Energy Plan\*](#).
- City of Grants Pass. (2023). [\*Sustainability and Energy Action Plan\*](#).
- Molokai Clean Energy Hui. (2023). [\*Molokai Community Energy Resilience Action Plan. V 1.0\*](#).
- Western Riverside Council of Governments. (2022). *Energy Resilience Plan*. Link to online copy not yet available. Contact the [program coordinator](#) for a pdf copy.
- City of Toronto, various community energy plans for neighborhoods. Online links not available. Contact the [program coordinator](#) for pdf copies.

## Mapping Resources

Topic	Source	Content	Link
Energy Infrastructure	Oregon Department of Energy	Energy Security Plan (draft 2023): maps and information on Oregon's energy infrastructure	<a href="https://www.oregon.gov/energy/safety-resiliency/Documents/2023-Draft-Oregon-Energy-Security-Plan.pdf">https://www.oregon.gov/energy/safety-resiliency/Documents/2023-Draft-Oregon-Energy-Security-Plan.pdf</a>
Energy Infrastructure	U.S. Energy Information Administration	Energy Infrastructure and Resources Maps: maps and data across energy sources and infrastructure	<a href="https://atlas.eia.gov/pages/c/bf469e9fc149eea7e3ff77c311b1db">https://atlas.eia.gov/pages/c/bf469e9fc149eea7e3ff77c311b1db</a>
Energy Infrastructure	Connect with your local electric utility, or utilities, to find out about mapping resources for the distribution network.	<p>-Mapping to level of <a href="#">main power lines for distribution (feeders)</a> will likely be sufficient for planning needs.</p> <p>-Relevant information to gather related to the distribution network may include:</p> <ul style="list-style-type: none"> <li>-Locations of feeders</li> <li>-Load availability on feeders</li> <li>-Public safety power shutoff locations</li> <li>-Areas that experience more frequent or longer duration outages</li> <li>-Locations for energy generation and/or microgrid development with co-benefits for community and utility needs</li> </ul>	
Natural Hazard Risks	Oregon Department of Land Conservation and Development	Information and mapping tools across Oregon's natural hazards	<a href="https://www.oregon.gov/lcd/NH/Pages/Natural-Hazards.aspx">https://www.oregon.gov/lcd/NH/Pages/Natural-Hazards.aspx</a>
Social Vulnerability	Centers for Disease Control and Prevention & Agency for Toxic Substances and Disease Registry	CDC/ATSDR Social Vulnerability Index: data and mapping for social vulnerability (at county and census tract levels)	<a href="https://www.atsdr.cdc.gov/placeandhealth/svi/index.html">https://www.atsdr.cdc.gov/placeandhealth/svi/index.html</a>

<b>Topic</b>	<b>Source</b>	<b>Content</b>	<b>Link</b>
Social Vulnerability	Oregon State University and Oregon Department of Forestry	Oregon Wildfire Risk Explorer: select social vulnerability layer. Shows data at census block group level	Risk Explorer: <a href="https://tools.oregonexplorer.info/OE_HTMLViewer/index.html?viewer=wildfire">https://tools.oregonexplorer.info/OE_HTMLViewer/index.html?viewer=wildfire</a>
Natural Hazard Risks and Social Vulnerability	Federal Emergency Management Agency	The National Risk Index: mapping and data for natural hazard risk, social vulnerability, and community resilience	<a href="https://hazards.fema.gov/nri/">https://hazards.fema.gov/nri/</a>

## Other Resources

- The [program coordinator](#) is available to answer questions and help provide connections to relevant experts and resources.
- [Energy Trust of Oregon \(ETO\) staff](#) are a great resource. ETO staff can help with identifying best practices for energy resilience planning, providing context for ongoing work in energy resilience planning, and connections to other information and resources.
- Under HB 3630, public utilities operating or serving customers within the boundaries of a county developing an energy resilience plan are directed to comply with information requests from the county regarding energy infrastructure in the county. Utilities should make reasonable efforts to assist with information provision provided it is not exempt from disclosure.
- Publications:
  - Oregon Department of Energy. (2023). [Draft Oregon Energy Security Plan](#).
  - Oregon Department of Energy. (2017). [Oregon Fuel Action Plan](#).
  - Oregon Department of Energy. *Safety and Resilience: Energy Security and Resilience*. <https://www.oregon.gov/energy/safety-resiliency/Pages/default.aspx>
  - U.S. Department of Energy Grid Deployment Office. (2024). [Microgrid Overview](#).
  - USAID and NREL. (2021). [Battery Storage for Resilience](#).

## Planning Recommendations

Below are a few recommendations for aspects of the energy resilience planning process derived from individuals and entities involved in energy resilience and natural resource planning work in Oregon:

- **Involve the community:** involving the community early and often in the plan development process can result in a more innovative and robust product. Community members can help identify issues, come up with solutions, and help champion the plan and its projects.
  - [12 Tips for Community Engagement](#). (2020). Advocacy & Communication Solutions.
- **Coordinate outreach to communities:** when reaching out to communities for input, such as environmental justice communities, try to align efforts with other outreach asks to reduce burden on these communities.
- **Align planning efforts:** there may be opportunities to align your participation in the County Energy Resilience Program with other planning efforts, such as natural hazard mitigation plan updates. Look for opportunities to find efficiencies and leverage participation in the County Energy Resilience Program with ongoing work.



## Project Implementation Support

Creating the energy resilience plan helps prepare you to implement identified projects. Below are some resources to support project implementation.

### Funding Opportunities

- ODOE grant programs:
  - [Community Renewable Energy Grant Program](#)
    - Project planning and construction grants
  - [Oregon Solar and Storage Rebate Program](#)
  - [Energy Efficiency and Conservation Block Grant Program](#)
  - Questions? Contact ODOE's Community Navigator:  
[sarah.moehrke@energy.oregon.gov](mailto:sarah.moehrke@energy.oregon.gov), 503-508-2352
- ODOE [Energy Efficient Schools Program](#):
  - Planning and technical assistance for energy efficiency in Oregon's public schools
  - Public K-12 schools within the Portland General Electric and PacifiCorp service areas may receive twenty percent of project costs to implement energy efficiency projects and/or purchase zero emissions vehicles or electric vehicle chargers within the school districts.
- [Energy Trust of Oregon](#) (ETO) may have funding opportunities for counties in the [service area](#) of ETO.
  - [Solar for Public Entities](#)

### Technical Assistance

- [Sustainable Northwest](#): energy assessments, finance modeling, grant writing and fundraising, support during construction
- [Energy Trust of Oregon](#): project development and feasibility, project contractor connections
  - \*Only in [service area](#) of ETO