

# County Energy Resilience Program

## Plan Development Resources

Energy Resilience Consultants..... 1

Example Plans.....3

Mapping Resources..... 4

Other Resources ..... 6

Planning Recommendations.....7

Project Implementation Support.....8

## 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, adaptation, resilience; renewable energy; economic and workforce analysis related to renewable energy	<a href="https://econw.com/">https://econw.com/</a> Contact: <a href="#">Becky Steckler, AICP</a> and <a href="#">Terry Wirkkala</a>
Cascadia Consulting Group	Climate mitigation, climate resilience/adaptation, energy and electrification, community engagement, equity and environmental justice	<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="#">Ross Ferguson</a>
Rockcress Consulting	Energy resilience planning, equity, community energy modeling	<a href="https://www.rockcressconsulting.com/">https://www.rockcressconsulting.com/</a> Contact: <a href="#">Angela Long</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>

Name	Pertinent Foci	Website
John Grim & Associates	Energy resilience, renewable energy, microgrids, natural hazard mitigation planning	Contact: <a href="#">John Grim P.E.</a> Ph: 509-365-5421 541-993-5421(cell)
Mayfield Renewables	Project feasibility studies, engineering and design, renewable energy and microgrids	<a href="http://www.mayfield.energy">www.mayfield.energy</a> Contact: <a href="#">Clayton Birkes</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*. 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: maps and information on Oregon's energy infrastructure	<a href="https://www.oregon.gov/energy/safety-resiliency/Pages/Energy-Security-Plan.aspx">https://www.oregon.gov/energy/safety-resiliency/Pages/Energy-Security-Plan.aspx</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/cebf469e9fc149eea7e3ff77c311b1db">https://atlas.eia.gov/pages/cebf469e9fc149eea7e3ff77c311b1db</a>
Energy Infrastructure	Connect with your local electric utility, or utilities, to find out about mapping resources for the distribution network.	<ul style="list-style-type: none"> <li>-Mapping to level of <a href="#">main power lines for distribution (feeders)</a> will likely be sufficient for planning needs.</li> <li>-Relevant information to gather related to the distribution network may include: <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> </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>
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>

Topic	Source	Content	Link
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="#">Social Vulnerability Index   Place and Health - Geospatial Research, Analysis, and Services Program (GRASP)   ATSDR</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.
- [Sustainable Northwest](#) offers workshops, webinars, funding resources, and more, all highlighted in their monthly newsletter.
- 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. (2024). [Oregon Energy Security Plan](#).
    - Overview of Oregon's energy systems, threats, mitigation measures, and fuel storage analysis.
  - 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>
  - Pacific Northwest National Laboratory. (2023). [Community Energy Resilience Planning for Extended Power Outages](#).
  - 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.

### 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
- Pacific Power [Community-Based Renewable Energy Projects](#): Pilot program for solar and battery storage projects on critical public service facilities in Pacific Power service area. Program offers technical assistance (project feasibility assessments, ongoing project support).
- National Renewable Energy Laboratory. [Energy to Communities Program](#).
  - Technical assistance programs for communities pursuing clean energy projects: in-depth partnerships, peer-learning cohorts, and expert match.

### Funding Opportunities

- ODOE [Community Renewable Energy Grant Program](#)
  - Project planning and construction grants
  - Questions? Contact [community.grants@energy.oregon.gov](mailto:community.grants@energy.oregon.gov), 503-378-4040
- ODOE [Grid Resilience Grant Program](#):
  - Project implementation funding for utilities to implement grid resilience projects.
  - Funding could support community energy resilience projects if utility owned, e.g. microgrid development, battery storage.
  - Questions? Contact [grid.grants@energy.oregon.gov](mailto:grid.grants@energy.oregon.gov)
- ODOE [Solar for All Grant Program](#):
  - Funding for community solar projects and single and multifamily residential solar for low-income households and disadvantaged communities.
- 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.
- Pacific Power

- [Community-Based Renewable Energy Projects](#): Pilot program for solar and battery storage projects on critical public service facilities in Pacific Power service area. Program offers technical assistance (project feasibility assessments, ongoing project support) and grant match funding.
  - [Medical Rebate Program](#): Counties developing community resilience centers in Pacific Power's service territory can apply for a rebate of up to \$4,000 for portable power station, battery, or permanent backup generator.
- [Energy Trust of Oregon](#) (ETO) may have funding opportunities for counties in the [service area](#) of ETO.
  - [Solar for Public Entities](#)
- U.S. Department of Energy and National Renewable Energy Lab. [Energy Transitions Initiative Partnership Project: Coastal, Remote, and Island Community Technical Assistance](#)
  - Offers funding and technical assistance for energy project development that supports community resilience and clean energy.