

# Hood River County Energy Plan

## Improving Resiliency and Energy Independence

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Adapting to Climate Change in the Gorge  
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# Agenda

- About the Hood River County Energy Plan
  - Vision, goals, focus areas, and intended outcomes
- Energy Council Work Plan
  - Community Scale Solutions Subcommittee key priorities
- Q&A

# Hood River County Energy Plan Vision Statement

The Hood River County Energy Plan is a blueprint to improve **community resilience**, increase **energy independence**, and increase **economic benefits related to energy use** in Hood River County while reducing emissions from the use of fossil fuels.

# Hood River County Energy Plan

## Why was the plan created?

- Community recognized that the best, and sometimes only, way to solve complex and interconnected problems is through collaboration.
- Local governments recognized they have a responsibility to address the risks associated with both climate change and natural disasters. They also have a responsibility to look at energy use – one of the community's biggest expenses – to determine ways to sustainably and cost-effectively meet our energy needs.

# Hood River County Energy Plan

## Intended Outcomes

- Citizens save on energy costs
- Region becomes more energy independent and resilient to rising energy prices and natural disasters
- Local energy projects will generate more revenue for our local economy
- Combined, these efforts create significant economic, environmental, and public health benefits for all residents

# Hood River County Energy Plan Goals

**Reduce fossil fuel use in Hood River County.** Replace power generated from fossil fuels with clean, renewable energy in buildings, water systems, and transportation by 30% in 2030, 50% in 2040, and 80% in 2050, as compared with 2016 levels.

**Improve resilience and energy independence.** Generate 50% of the county's energy needs from local, diversified energy sources and storage capacity by 2050. Increase overall capacity, price security, energy generation control and stability, and provide key services in the event of an emergency.

**Increase investment in local power.** Strategically develop and utilize \$25 million in revolving funds by 2025 to enable local projects and create a business environment that supports our Energy Plan goals.



**2022-2025**  
**Work Plan**

# Hood River County Energy Plan

## Contents

- Baseline energy inventory
- Focus areas
  - Buildings
  - Transportation and land use
  - Agriculture and water
  - Community-scale solutions
  - Equity



Buildings Design Construction and Occupancy



Transportation and Land Use



Community-Scale Solutions



Agriculture and Water



# Community Scale Solutions

## Key Work Plan Projects

- Community-wide critical facilities solar + storage microgrids
- Hood River County community resilience mapping
- In-conduit hydro systems
- Green tariff
- Funding partnership pathways
- Resilient economic development

# How Work Plan projects were selected

- Energy Plan goals
- Equity
- Benefits to adopting governing bodies
- Project value
- Capacity
- Likelihood of success

# Community Scale Solutions

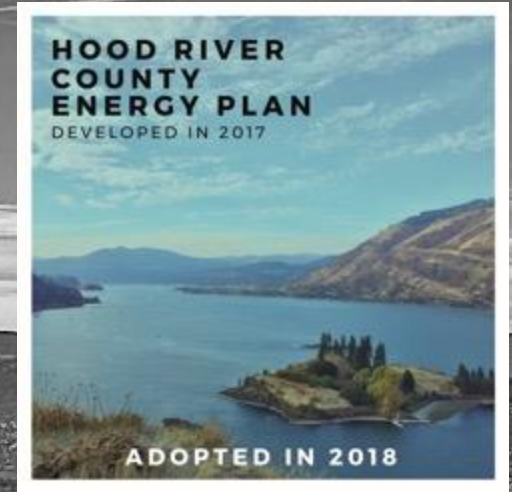
## Microgrid Feasibility Studies

- Feasibility studies for resilience projects at 10 critical facilities in Hood River County
- Hood River Emergency Management collaborated on identifying the facilities
- Feasibility studies were primarily funded by Energy Trust of Oregon and Bonneville Environmental Foundation
- Sites are now addressing barriers identified in the feasibility studies and seeking funding for implementation

# Community Scale Solutions

## Microgrids at Critical Facilities

- Cascade Locks City Hall
  - City Hall was recently awarded funding for a solar + storage microgrid through the ODOE Community Renewable Grant Program (C-REP)
  - City Hall also moved to the subapplicant round of FEMA Hazard Mitigation Grant Funding program for construction of the microgrid and replacement of the roof
- Mt. Hood Town Hall
  - Applied for ODOE C-REP planning funding to further develop plans for a solar + storage system



Questions?  
**Thank you!**

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