

# COWLITZ PUD

## 2021 Clean Energy Implementation Plan

LIGHTHOUSE ENERGY CONSULTING

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Ted Light  
October 26, 2021



# AGENDA

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- Introductions
- Overview of Clean Energy Transformation Act (CETA)
- Clean Energy Implementation Plan (CEIP)
- Questions/Discussion

# CLEAN ENERGY TRANSFORMATION ACT (CETA)

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- Sets Washington on a path towards clean energy
  - Coal-free by end of 2025
  - Greenhouse gas neutral by Jan 1, 2030
    - Up to 20% from alternative compliance mechanisms
  - 100% Non-emitting / Renewable by Jan 1, 2045
- Includes provisions to ensure transition happen equitably, track & reduce energy burdens
- Clean Energy Implementation Plan (CEIP) required every four years

# CLEAN ENERGY IMPLEMENTATION PLAN (CEIP)

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- Required every four years beginning Jan 1, 2022
- Must be approved by utility governing body
- Four-year plan for meeting CETA requirements for energy, equity
- Public input is required *during* the development

# CEIP CONTENTS – RESOURCE PLANNING

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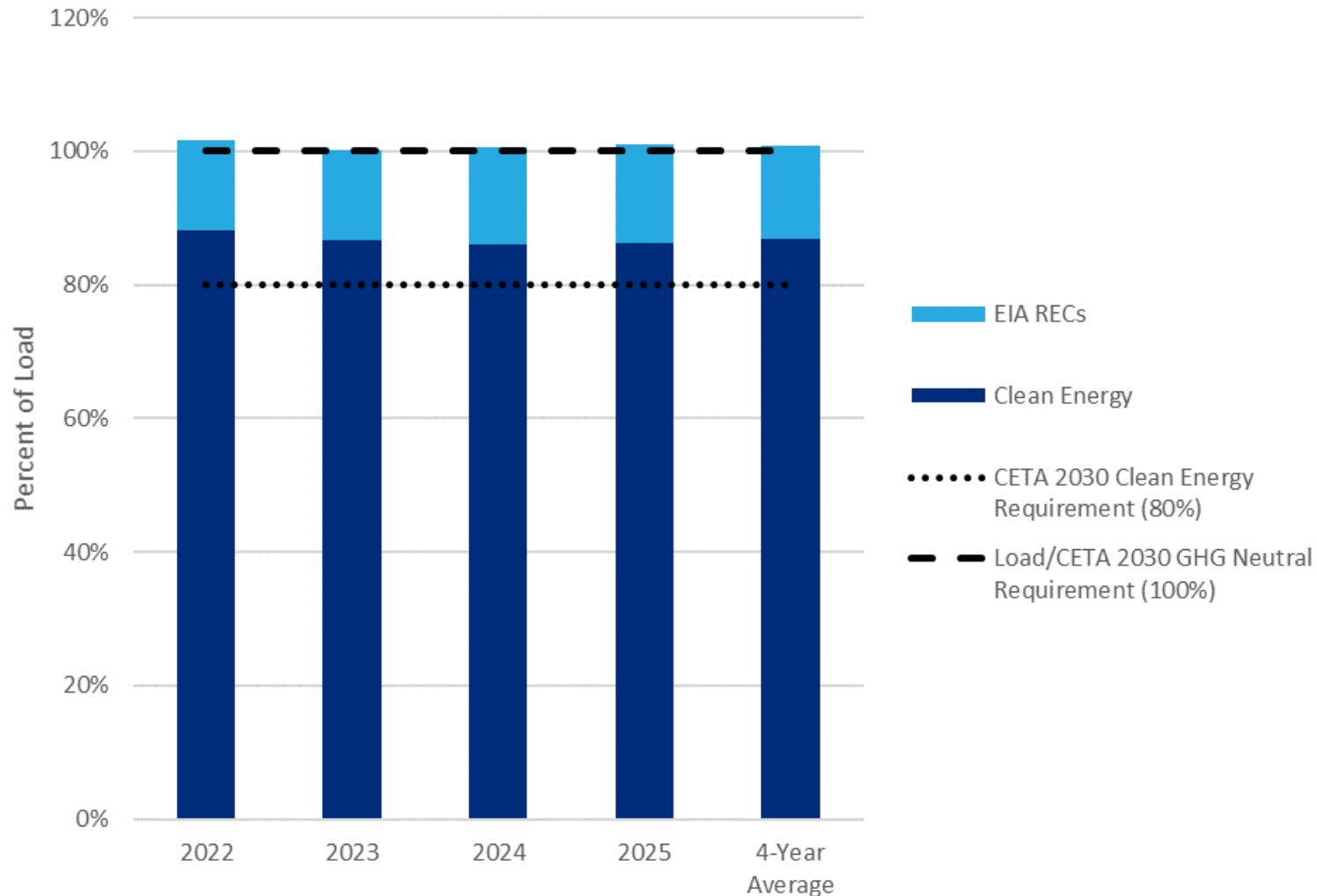
- Interim Targets: share of retail load (%) served by clean energy
- Specific Targets: Targets for 4-year compliance period
  - Energy efficiency acquired (First-year MWh)
  - Renewable energy used (MWh)
  - Demand response acquired (MW)
- Specific Actions: Actions the utility will take over 4-year period to achieve above targets
- How the CEIP is consistent with other utility resource planning

# CEIP CONTENTS – EQUITY

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- Identify highly impacted communities (defined by State)
- Identify vulnerable populations (defined through public process)
- One or more indicators (defined through public process) used to estimate the distribution of costs and benefits from the utility actions planned to meet identified targets
- How the utility will reduce risks to highly impacted communities and vulnerable populations
- How public input is reflected in the CEIP

# INTERIM TARGETS



- Approximately 87% of retail load served by clean energy resources
- Can acquire RECs or renewable resources for EIA, 2030 CETA requirements
- No actions needed in the first interim compliance period 2022-2025

# SPECIFIC TARGETS – ENERGY EFFICIENCY

- Conservation Potential Assessment identified 10.58 aMW of cost-effective energy efficiency savings achievable over the 4-year period
- Action: Continue EE programs to meet identified target

Sector	2-Year	4-Year	10-Year	20-Year
Residential	0.22	0.65	3.90	11.97
Commercial	0.42	1.02	4.17	9.29
Industrial	3.41	8.73	38.26	69.31
Utility	0.04	0.17	1.82	5.35
Agricultural	0.00	0.01	0.03	0.05
Total	4.10	10.58	48.18	95.96

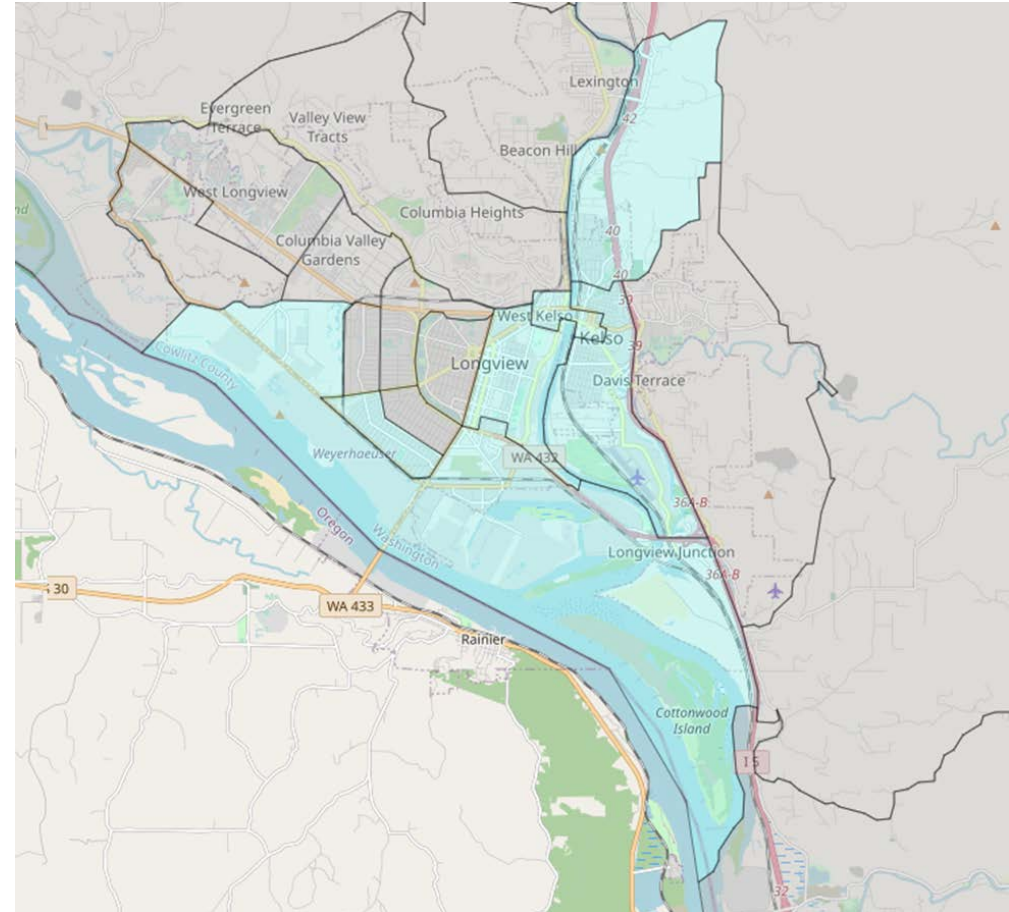
# DEMAND RESPONSE

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- Completed Demand Response Potential Assessment
- Covered range of sectors & end uses
- Identified as cost-effective:
  - Cowlitz PUD's current industrial pricing program
  - Residential smart thermostat demand response programs
- CEIP requirement is for DR *to be acquired*
- CEIP Target: 0 MW
- Specific Actions: Explore smart thermostat program

# HIGHLY IMPACTED COMMUNITIES

- WA DOH analysis identified six census tracts as a highly impacted community
- Based on a combination of threat of environmental effects and vulnerability based on socioeconomic factors



# PUBLIC PROCESS

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- Conducted two workshops with local community organizations
  - Greater breadth & depth of discussions
  - Best approach given COVID precautions
  - Public invited via website, board meeting, printed materials
- Participants:
  - Cowlitz Family Health Center
  - Family Promise
  - Longview Housing Authority
  - Lower Columbia Community Action Program
- Topics: Vulnerable populations, risks, indicators for equity

# VULNERABLE POPULATIONS

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Seniors living  
alone

People with  
disabilities

Renters

Residents of  
manufactured  
homes

Immigrants  
and people of  
color

# INDICATORS

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- Primary utility actions are energy efficiency and demand response
- Indicators identified through public process:
  - Program participation rates
  - Distributions of incentive dollars
- All customers benefit from acquisition of cost-effective energy efficiency and demand response
  - Keeps rates low over long-term
  - Some benefit more from ability to participate in programs
  - Actions to reduce risk will help everyone benefit
  - Indicators will be used to track equity in distribution of these benefits

# ACTIONS TO REDUCE RISKS

## Expand Energy Education

- Expand outreach to family health centers, property management companies, multicultural

## Expand EE Program Communications

- Offer translated program materials

## Low-Interest Loans

## Expand Senior and Disability Discount

- Year-round enrollment
- Re-evaluate eligibility requirements

# SUMMARY

Targets	2022	2023	2024	2025
Interim Targets	88%	87%	86%	86%
Energy Efficiency Acquired	10.58 aMW			
Renewable Energy Used	13,730,013 MWh			
Demand Response Acquired	0 MW			

## Specific Actions:

- Implement EE programs to meet target
- Investigate smart thermostat demand response programs

## Actions to Reduce Risks:

- Expand energy education
- Expand program communications
- Low-interest loans
- Expand Senior and Disability Discount

# COMMENTS WELCOME

Posted: October 4, 2021

## Cowlitz PUD Seeks Public Input

On May 7<sup>th</sup>, 2019, Governor Jay Inslee signed into law the Clean Energy Transformation ACT (CETA), which commits Washington to an electricity supply clean of greenhouse emissions by 2045. Clean electricity will allow the state to replace fossil fuels in other end uses, especially transportation, and achieve its long-term climate goals.

CETA requires electric utilities to prepare a Clean Energy Implementation Plan (CEIP) by January 1, 2022, and every four years thereafter. These plans must:

- Propose interim targets for meeting CETA's standards for greenhouse gas neutral electricity in 2030 and clean energy in 2045
- Identify specific targets for:
  - Energy efficiency
  - Demand response and
  - Renewable energy
- Identify specific actions for meeting the interim targets and specific actions described above
- Ensure that all customers benefit from the transition to clean energy

The CEIP is posted online for public comment until the 23<sup>rd</sup> of November

Formal Public Comments Welcome at the November 9<sup>th</sup> Board Meeting or anytime by sending an email to:

[cetapublicprocess@cowlitzpud.org](mailto:cetapublicprocess@cowlitzpud.org)



Thank you!



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