



Utility Planning for Climate Policy

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Oregon Global Warming Commission

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Regulatory Planning Process

- PUC regulates investor-owned electric and natural gas utilities in Oregon
- Integrated Resource Plans (IRPs)
 - Primary (but not only) planning process for utilities
 - Plans must select least-cost, least-risk portfolio of resources to meet customer needs
 - 20-year planning period with a 2-4 year Action Plan
 - Two-year cadence between plan acknowledgement and next submission, with RFPs
- For electric utilities, HB 2021 created decarbonization requirements
 - Clean Energy Plans (CEPs) added to IRPs to show method for achieving HB 2021 compliance
- For gas, Climate Protection Program created decarbonization requirements
 - PUC recently reviewed first gas IRP since CPP adopted (NW Natural)

Clean Energy Policy Evolution (OPUC Lens)

SB 838 (2007)

Renewable Portfolio Standards (RPS)

SB 324 (2015)

Clean Fuels Program Updates

SB 98 (2019)

Renewable Natural Gas

2021 Legislative Session

HB 2021 – Clean Energy Targets - Electric

HB 2475 – Energy Equity

HB 3141 – Energy Efficiency

HB 2165/HB 3055 – Transportation Electrification

SB 762 – Wildfire Protection Plans



Technology Focused

SB 1547 (2016)

Increased RPS

Coal out of rates

Community Solar

Transportation Electrification

Small-scale Community-based Renewables

Demand-side resource preference

Executive Order 20-04 (2020)

Rapid reductions of GHG emissions, at reasonable costs

Impacted Communities

Wildfire Prevention and Mitigation

Natural Gas Fact Finding (UM 2178)

18 month collaborative process to explore potential impacts of gas utility decarbonization

Climate Protection Plan (2021)

90% reduction in greenhouse gas emissions from "covered entities" in Oregon by 2050 (applies to natural gas)

Holistic + Just

HB 2021 – Key Provisions

*Effective September 25, 2021

Emissions Reductions

- 80% reduction – 2030
- 90% reduction – 2035
- 100% GHG free – 2040

Applies to:

Portland General Electric
PacifiCorp (dba Pacific Power)
Retail Choice Suppliers (ESSs)

Planning & Protections

- Clean Energy Plans (CEP)
- Reliability pause
- Affordability off ramp
- Regional coordination
- Non-bypassability of costs

Community Renewables

- 10% small-scale by 2030
- CBRE Grants (ODOE)
- CBRE Study (ODOE)

Environmental Justice

- Advisory groups
- Labor standards (ODOE)
- Community benefits
- Natural gas plant ban

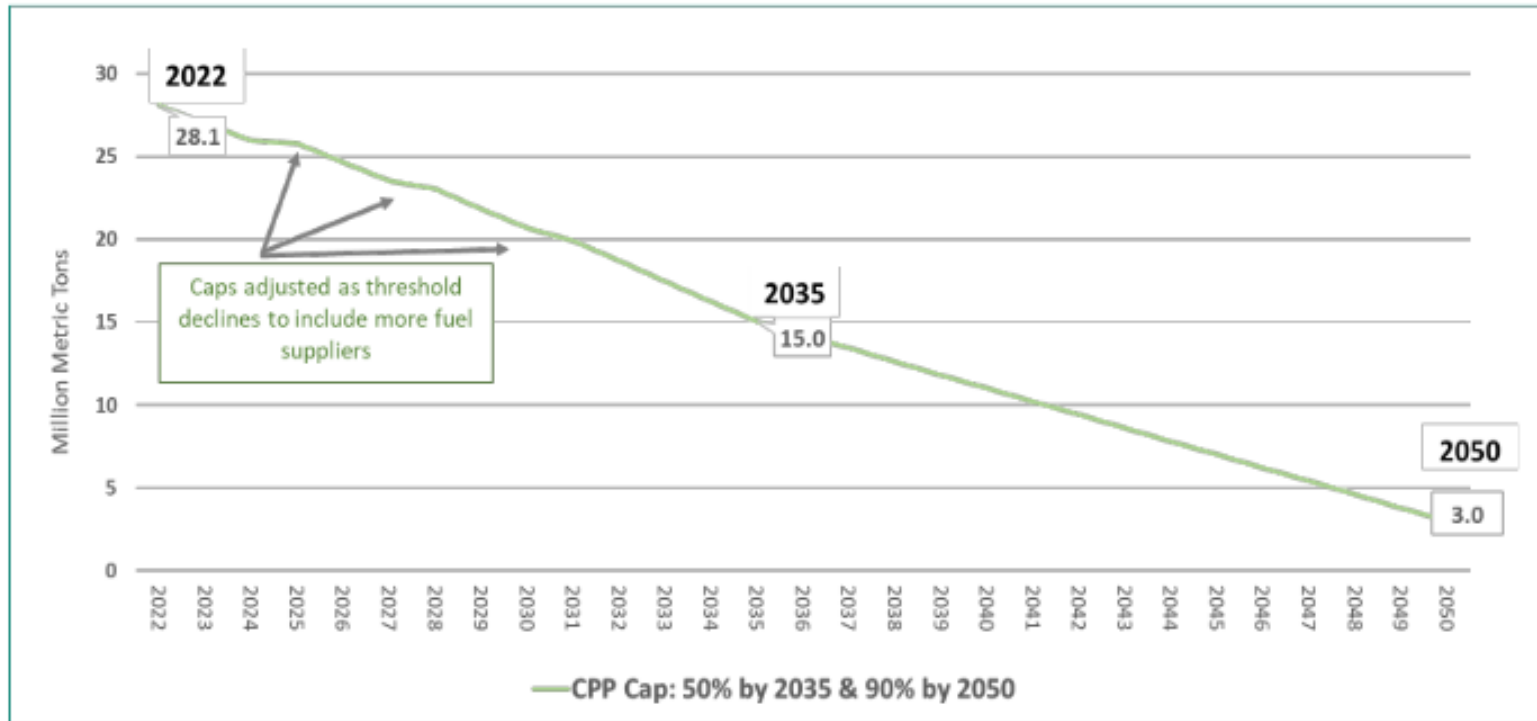
Consumer Choice

- Local government renewables
- Code of conduct (maintaining competition)

CPP Emissions Trajectory

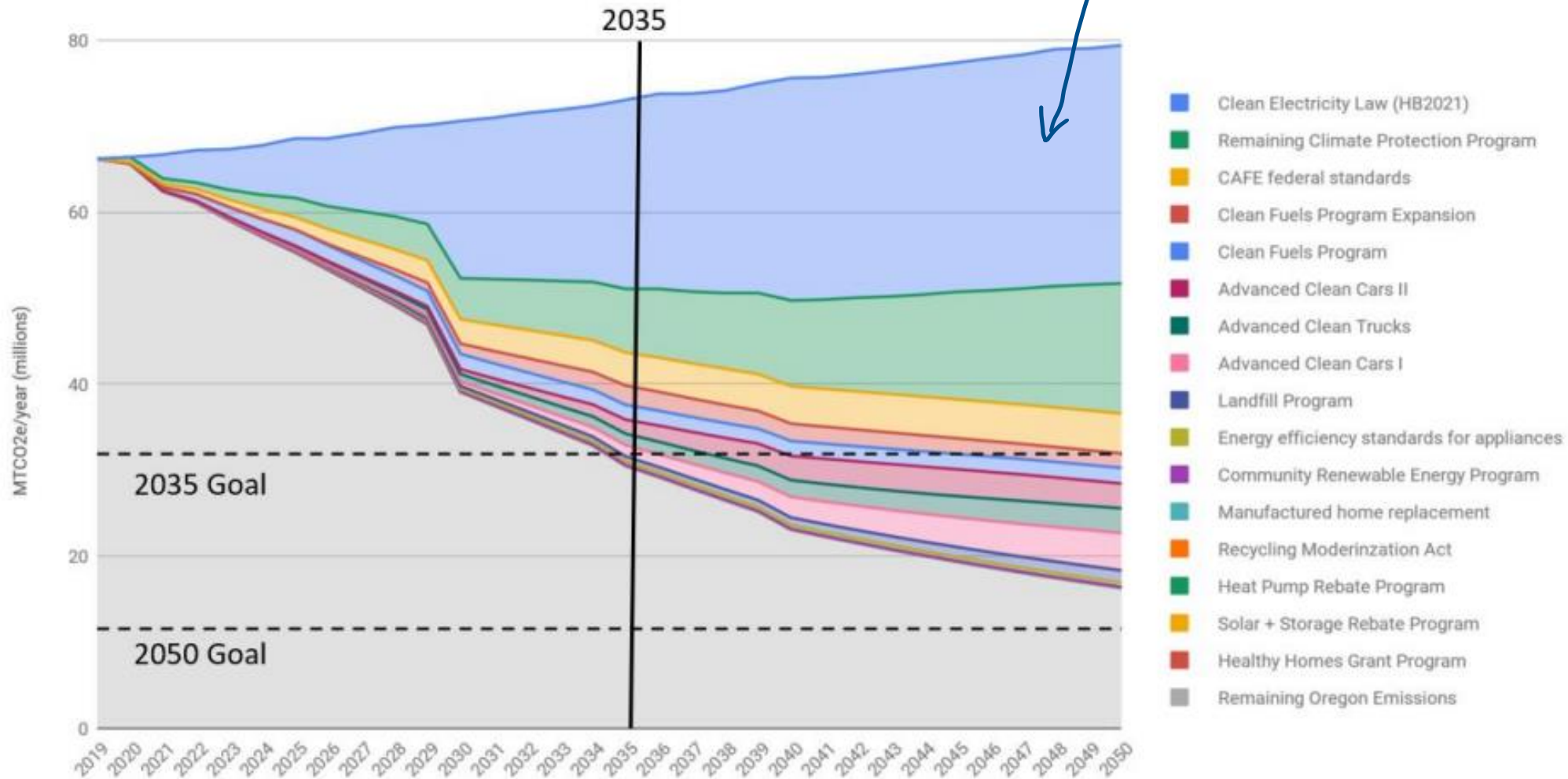
Covered fossil fuel supplier emissions reductions

DEQ sets an overall limit on regulated greenhouse gas emissions for covered fossil fuel suppliers each year. DEQ lowers the limit, or cap, each year, reaching a 90% percent reduction in emissions by 2050.²



Role of Electric Emissions Policies

House Bill 2021



Select PUC Planning Activities

This Year (2023-24)

- PUC review of initial IRPs, CEPs, RFPs
- HB 2021 legal and policy interpretation questions (UM 2273)
- External and enabling

Upcoming (2024-25)

- IRP/CEP and RFP rule revisions
- Next IRP/CEP development

Future

- PUC review next filed IRP/CEP and RFP
- Compliance reporting/information (DEQ, PUC)

Engagement Opportunities



PUC Dockets

- PGE IRP/CEP ([LC 80](#))
- Avista IRP ([LC 81](#))
- PAC IRP/CEP ([LC 82](#))
- Cascade IRP ([LC 83](#))
- Idaho Power IRP ([LC 84](#))
- HB 2021 Implementation ([UM 2273](#))

Electric Utilities

- PGE IRP [Development Roundtables](#) and PAC [Public Input Meetings](#) (Technical)
- PGE [Learning Labs](#) (Non-technical)
- PacifiCorp [CEP Engagement Series](#)
- PGE/[PacifiCorp](#) Community Benefits and Impacts Advisory Groups

Gas Utilities

- NW Natural [Technical Working Group](#)
- Cascade [Conservation Advisory Group](#)
- Avista IRP [Technical Advisory Committee](#)

2023-24 Acknowledgement Timeline

IRP Docket	Scheduled Acknowledgement Date
NWN IRP (LC 79)	Acknowledged June 6, 2023 Order Posted August 2, 2023
PGE IRP/CEP (LC 80)	January 25, 2024
Avista IRP (LC 81)	February 8, 2024
PAC IRP/CEP (LC 82)	April 18, 2024
Cascade IRP (LC 83)	March 14, 2024
Idaho Power IRP (LC 84)	(Not yet scheduled, Summer 2024)

Planning Considerations

Pacing and feasibility

- Near-term costs, risks
- Operational assumptions
- Supply constraints
- Emerging technologies
- Load growth and gas-electric interaction

Regional issues

- Transmission
- Markets
- Emissions accounting
- Multijurisdictional utilities
- Resource adequacy

Allocation of costs, risks and benefits

- Energy burden and equity, rate classes
- Community-based resources and CCI
- Competition
- Voluntary actions
- Federal incentives