



DEQ Climate Programs

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Oregon Department of Environmental Quality

House Energy & Environment Committee
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Commute Alternatives Rulemaking

*Adopt
2022*

**Advisory Committee
Public Comment
Summer – Fall 2021**

Local Expertise and Programs
*Where are commute options
working well?*



Alternative Fuel Study

- **Survey of MHD Fleet Owners**
- **Develop Fleet Profiles**
- **Identify Barriers to Alternative Fuel Adoption**
- **Recommend Actions to Remove Barriers**



Advanced Clean Trucks and Low NOx

- **Require MHD ZEVs be Available for Sale in Oregon**
- **Require more stringent emissions standards for new diesel-fired on-road trucks**
- **Public comment on proposed rules (Summer 2021)**
- **EQC rule adoption consideration (Nov 2021)**



Landfill Methane Reduction Rulemaking

- **Require methane capture at landfills at lower thresholds**
- **Increase cover inspections/repair to catch more methane**
- **Enhanced control systems requirements**
- **Post-shutdown monitoring**



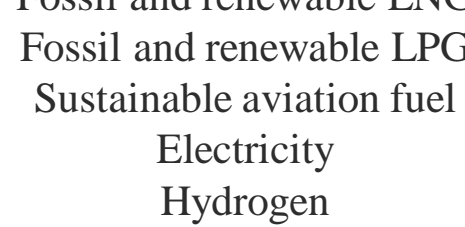
Clean Fuels Program

- Current program:
 - 10% reduction in lifecycle GHG emissions from transportation fuels
 - 2016 – 2025
 - Wide array of clean fuels encouraged
- Program extension/expansion planned:
 - >10% & >2025
 - EO 20-04 includes 25% by 2035
 - Further study, rulemaking process and EQC decision are anticipated

Types of Clean Fuels and Applications



Ethanol
Biodiesel
Renewable diesel
Fossil and renewable CNG
Fossil and renewable LNG
Fossil and renewable LPG
Sustainable aviation fuel
Electricity
Hydrogen



Clean Fuels Produced in Oregon

Columbia Pacific BioRefinery

Proposed: 95 mil gallons of renewable diesel/naptha



Proposed: 600 mil gallons of renewable diesel made from waste & virgin oils



Ethanol made from food waste



15 mil gallons of biodiesel made from used cooking oil

Infrastructure:

- ❖ 2,000+ EV chargers
- ❖ ~2 dozen CNG dispensers,
- ❖ ~2 dozen LPG dispensers



40 mil gallons of ethanol made from corn



Renewable natural gas captured from dairy manure

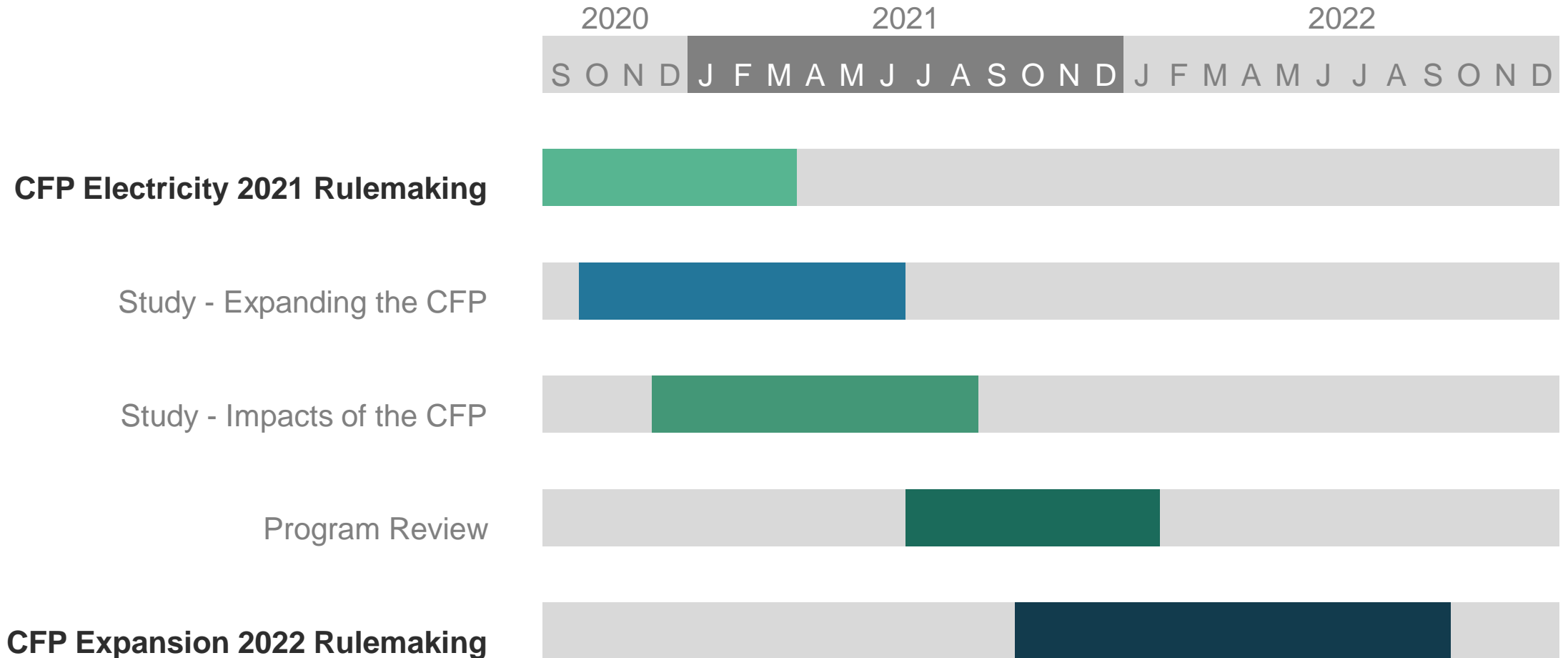


Proposed: renewable hydrogen



Under Construction: 15 mil gallons of renewable jet fuel made from woody biomass

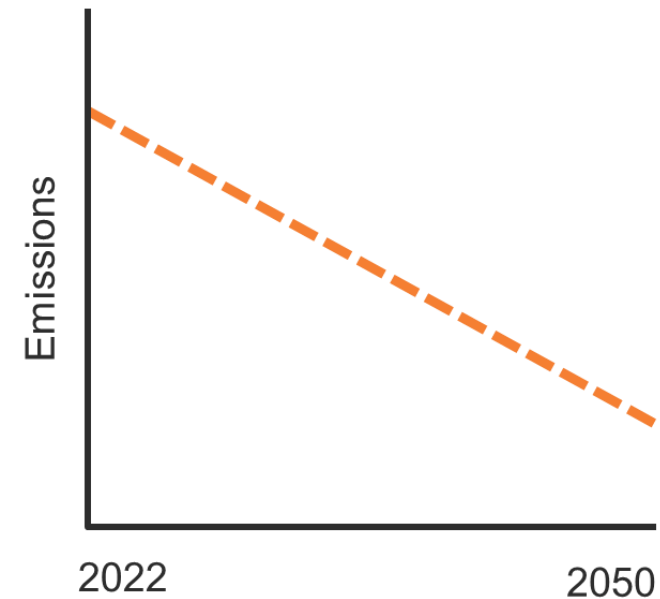
What's Ahead for Clean Fuels Program



Climate Protection Program (CPP)

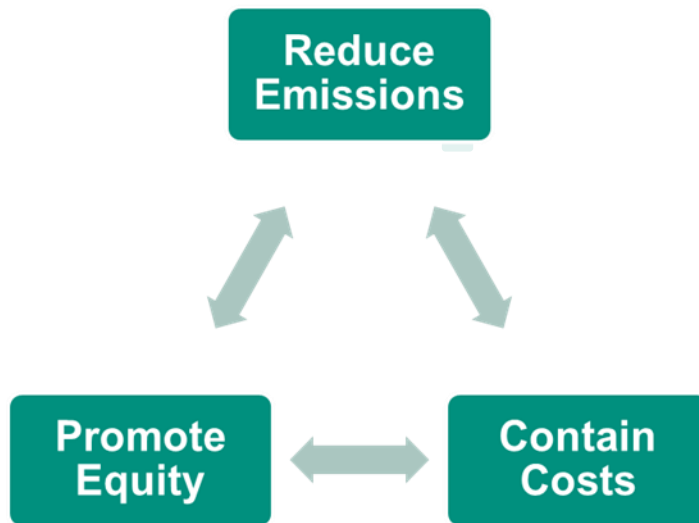
- Establish limits on GHG emissions from fossil fuels in Oregon
 - Enforceable
 - Declining
- Reduces emissions from:
 - Fuel used for transportation
 - Largest source of emissions
 - Other fossil fuels
 - Natural gas
 - Diesel in non-road uses
 - Propane

Every year, the emissions **limit** will decline toward a target.



CPP Equity Considerations

Program Goals



EJ and impacted communities face more risks



- ↑ Greater pollution exposure
- ↑ Greater impacts of climate change
- ↓ Less representation in public processes
- ↓ Less access to new, clean technologies

Objectives



Promote processes that support equitable engagement

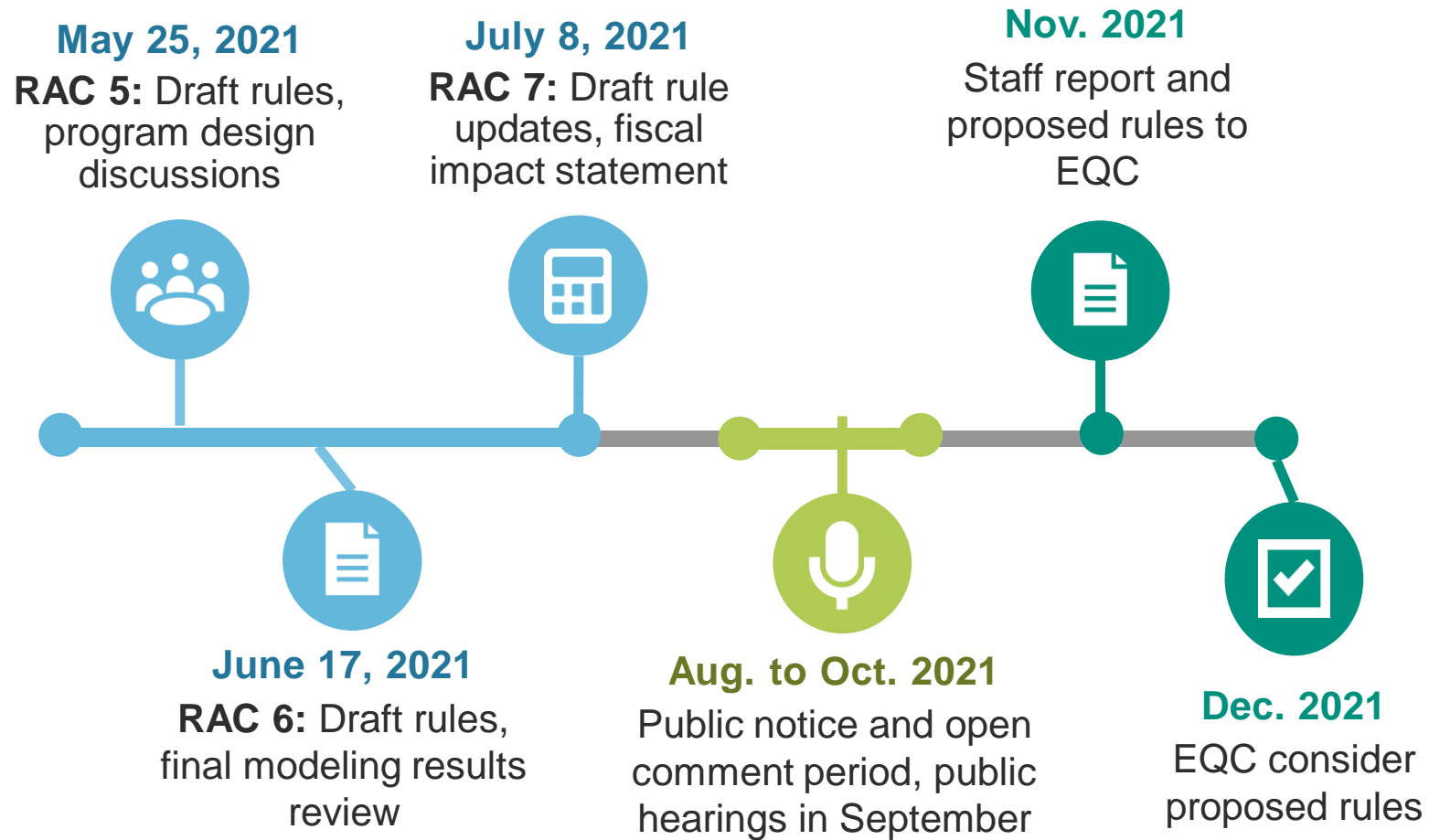


Support communities least able to transition to clean energy



Reduce co-pollutants in communities disadvantaged by air pollution

Upcoming CPP Rulemaking Activities



“RAC X” = the Xth meeting with the Rules Advisory Committee EQC appointed to advise the agency on development of CPP rules



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