

Recent Oregon Actions to Address Climate Change

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About Climate Solutions

Our vision: **a thriving, equitable Northwest, powered by clean energy, inspiring the transition to sustainable prosperity across the nation and beyond.**

Our mission: **accelerating clean energy solutions to the climate crisis.**

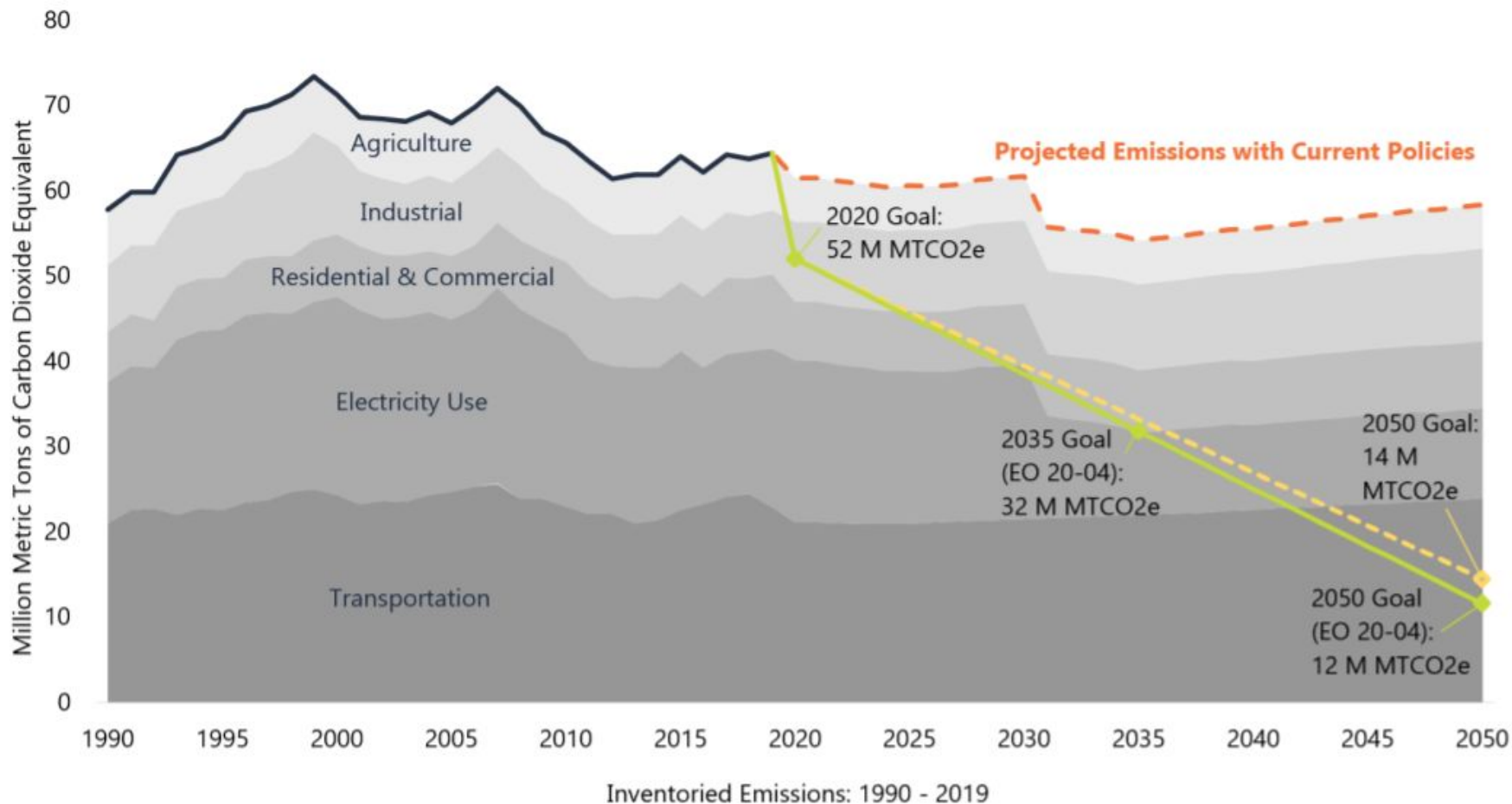
The climate crisis worsens in Oregon

“Climate impacts are already worsening public health crises, increasing economic disruption, and exacerbating racial inequity in Oregon.”

*--Oregon Health Authority,
Climate and Health in Oregon
2020*



Figure 6. Oregon's Past and Projected Greenhouse Gas Emissions Compared to Goals.²³ (Source DEQ, 2020)



Where's our climate pollution coming from? Primarily: Transportation and Buildings

Figure 4: Oregon Emissions in Million Metric Tons of CO₂e by Sector: 1990-2019 (Source: DEQ, 2020)



MARCH 10, 2020



EXECUTIVE ORDER 20-04



A NEW CLIMATE LENS FOR STATE AGENCIES

- Directs 16 different state agencies, boards, and commissions to use their existing authority to help meet the state's emissions reductions goals
- Agencies must:
 - Prioritize actions that have GHG reduction benefits
 - Integrate climate change considerations into agency planning, budgets, investments, and policy decisions:
 - Prioritize actions that cost-effectively reduce GHG emissions
 - Prioritize actions that help impacted communities
 - Consult with the Environmental Justice Task Force



REGULATORY PROGRAMS

- **CLEAN FUELS & EVs**
 - Reduces transportation pollution by strengthening Clean Fuels target from 10% by 2025, to at least 25% by 2035.
 - Boosts electrification and climate-smart transportation

- **CLEAN BUILDINGS**
 - New buildings must be net zero ready (produce as much energy as they use) and at least a 60 percent reduction in new building annual site consumption of energy
 - Appliance efficiency standards

- **CLEAN ECONOMY**
 - Climate Protection Program mandates limit on greenhouse gas emissions from largest sources in Oregon:
 - 50% below 1990 levels by 2035
 - 90% below 1990 levels by 2050



EXECUTIVE AUTHORITY

- Utilizes existing authorities and powers vested in state agencies by the legislature
- EQC has authority to adopt standards to regulate greenhouse gas emissions as “air contaminants” and “air pollution (ORS 468A.005)
- EQC can limit those emissions from particular air contaminant sources, including via permitting and penalty powers (ORS 468A.005, ORS 468.130)
- EQC can set maximum - and declining - amounts of greenhouse gas emissions statewide or from individual air contamination sources (ORS 468A.025(3))
- Governor and legislative oversight/budgeting

Progress: **Climate Protection Program**

- **Climate Protection Program** set limit of 50% GHG reduction by 2035, and 90% GHG reduction by 2050 for transportation fuels, gas utilities & other fossil fuel emissions.
- DEQ's new climate protection program went into effect on January 1, 2022





100% clean electricity



Oregon's last coal-fired power plant closed in October, but fossil gas is still a major source of electricity for Oregonians.

Progress: **HB 2021: 100% Clean Energy for All**

- **HB 2021** mandates Oregon's largest electric utilities reduce GHG emissions by:
 - 80% by 2030
 - 90% by 2035
 - 100% by 2040
- **Invests \$50M** in community-scale renewable energy projects
- **Requires family-wage jobs** for utility-scale renewable energy projects in Oregon



Clean transportation



Transportation contributes more than any other sector to Oregon's total climate pollution.

Progress: Transitioning to electric vehicles and cleaner fuels

- **Advanced Clean Truck Rule** requires manufacturers to sell % of new zero-emission medium- and heavy- duty trucks in Oregon (30-50% by 2030 and 40-75% by 2035).

Adopted in 2021

- **Advanced Clean Cars II Rule** requires manufacturers to sell 100% zero-emission passenger cars (no more internal combustion engines) as of 2035.

May be adopted in 2022



Progress: Transitioning to electric vehicles and cleaner fuels

- **HB 2165: EV incentives**
 - Extends state EV incentive program, including low income incentives for new and used EVs; enshrines utilities' role in installing EV charging infrastructure.
- **HB 2180: EV-ready building codes**
 - Requires new residential, commercial and multi-family developments be built ready to support the installation of EV chargers by 2022.

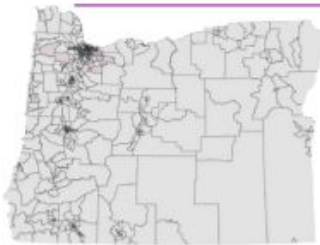


Progress: Transitioning to electric vehicles and cleaner fuels

- **Clean Fuels Program**

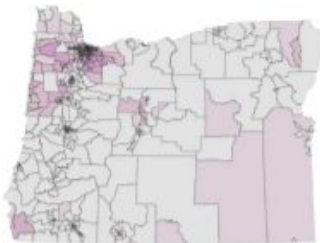
- Currently: at least 10% reduction by 2025
- Next up: at least 25% reduction by 2035 (and possibly up to 37%!)





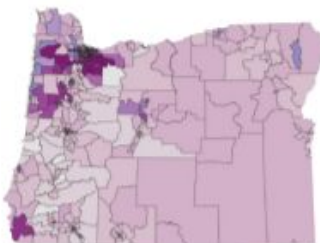
2020

3,525



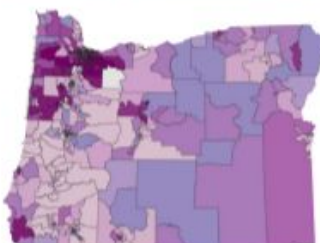
2025

16,926



2030

72,279



2035

155,249



Charging ports available need to increase nearly

5-Fold

Growth in public charging ports needed over the next 15 years to meet Oregon's 2035 goal.

Note: Modeling assumes 50,000 electric vehicles in 2020.

Resilient, Efficient Buildings

 Homes and buildings are the second largest source of GHG emissions in Oregon, and our first line of defense against climate impacts.

Thank You!

Questions?

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Sources for more information

Executive Order 20-04 (2020):

https://www.oregon.gov/gov/Documents/executive_orders/eo_20-04.pdf

House Bill 2021 (2021):

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House Bill 2165 (2021):

<https://olis.oregonlegislature.gov/liz/2021R1/Downloads/MeasureDocument/HB2165/Enrolled>

House Bill 2180 (2021):

<https://olis.oregonlegislature.gov/liz/2021R1/Downloads/MeasureDocument/HB2180/Enrolled>

House Bill 2062 (2021):

<https://olis.oregonlegislature.gov/liz/2021R1/Downloads/MeasureDocument/HB2062/Enrolled>

Sources for more information

Clean Fuels Program (DEQ, 2015): <https://www.oregon.gov/deq/ghgp/cfp/Pages/default.aspx>

Energy Efficiency in New Construction (BCD, 2020):
<https://www.oregon.gov/bcd/Pages/energy-eo.aspx>

Appliance Energy Efficiency Standards (ODOE, 2021):
<https://www.oregon.gov/energy/energy-oregon/Pages/Appliance-Standards.aspx>

Advanced Clean Truck Rule (DEQ, 2021):
<https://www.oregon.gov/deq/rulemaking/Pages/ctr2021.aspx>

Transportation Electrification Infrastructure Needs Analysis (ODOT, 2021):
<https://www.oregon.gov/odot/Programs/Pages/TEINA.aspx>

Climate Protection Program (DEQ, 2021):
<https://www.oregon.gov/deq/ghgp/pages/climate-protection.aspx>