



Oregon Clean Fuels Program Overview

Vermont House Committee on Energy and Technology

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Greenhouse Gas Reduction Goals

2007 Oregon Legislature: ORS 468A.205(1)(c)

- At least 10% below 1990 levels by 2020
- At least 75% below 1990 levels by 2050

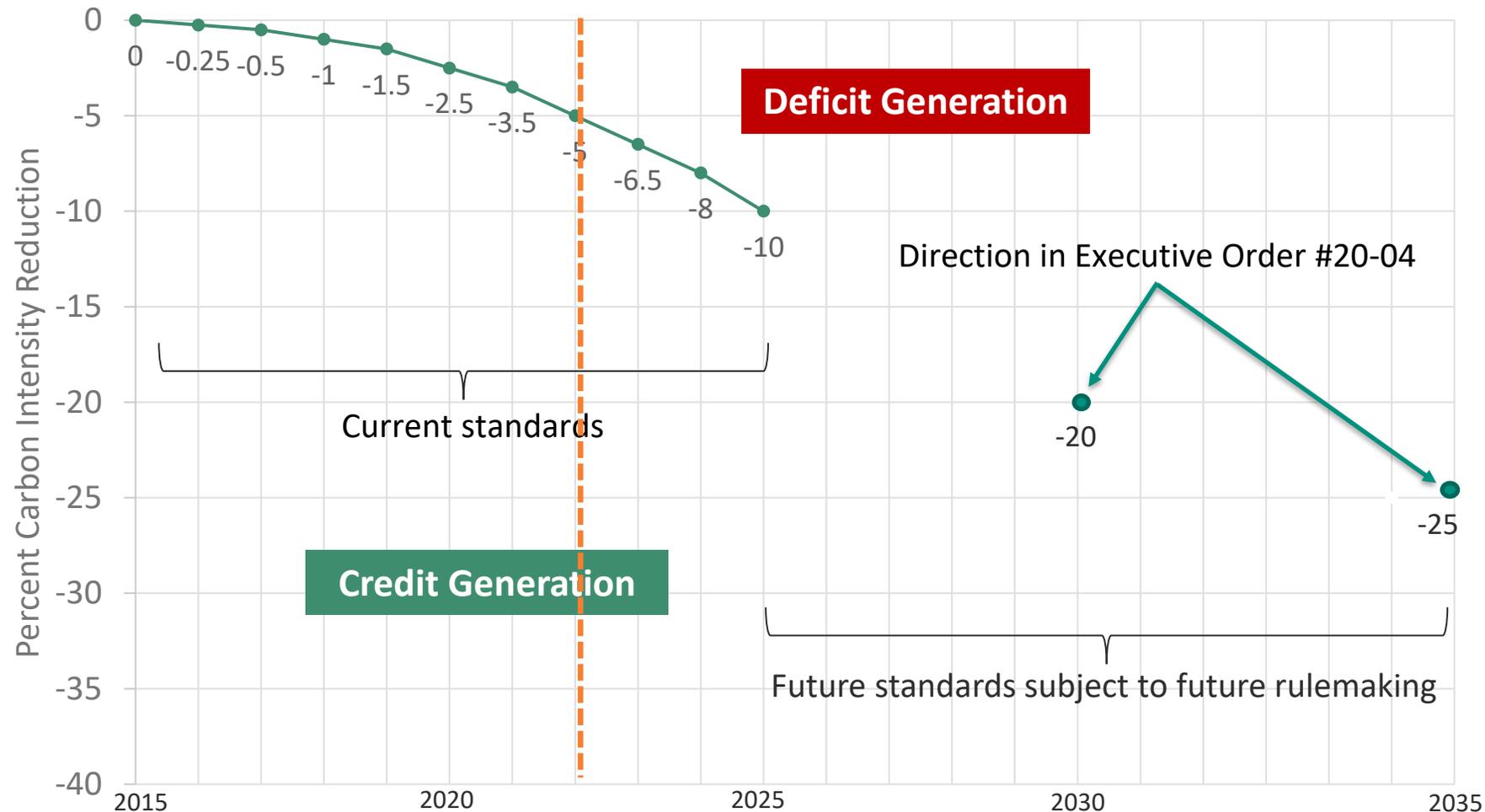
Executive Order 20-04:

- At least 45% below 1990 levels by 2035
- At least 80% below 1990 levels by 2050

Legislative History

- HB 2186 (2009): directed the Environmental Quality Commission to adopt a low carbon fuel standard
- SB 324 (2015): removed sunset from HB 2186 and allowed for full implementation of the standards
- HB 2017 (2017): codified cost containment measures

Clean Fuels Program in a Nutshell



Mandatory Fuels

- Gasoline
- Diesel
- Ethanol
- Biodiesel
- Renewable diesel

Voluntary Fuels

- Fossil and renewable CNG
- Fossil and renewable LNG
- Fossil and renewable LPG
- Sustainable aviation fuel
- Electricity
- Hydrogen

Since 2016, the Clean Fuels Program has...

Reduced about 6 million tons of GHGs on a lifecycle basis

Supported the displacement of over 1 billion gallons of fossil fuels

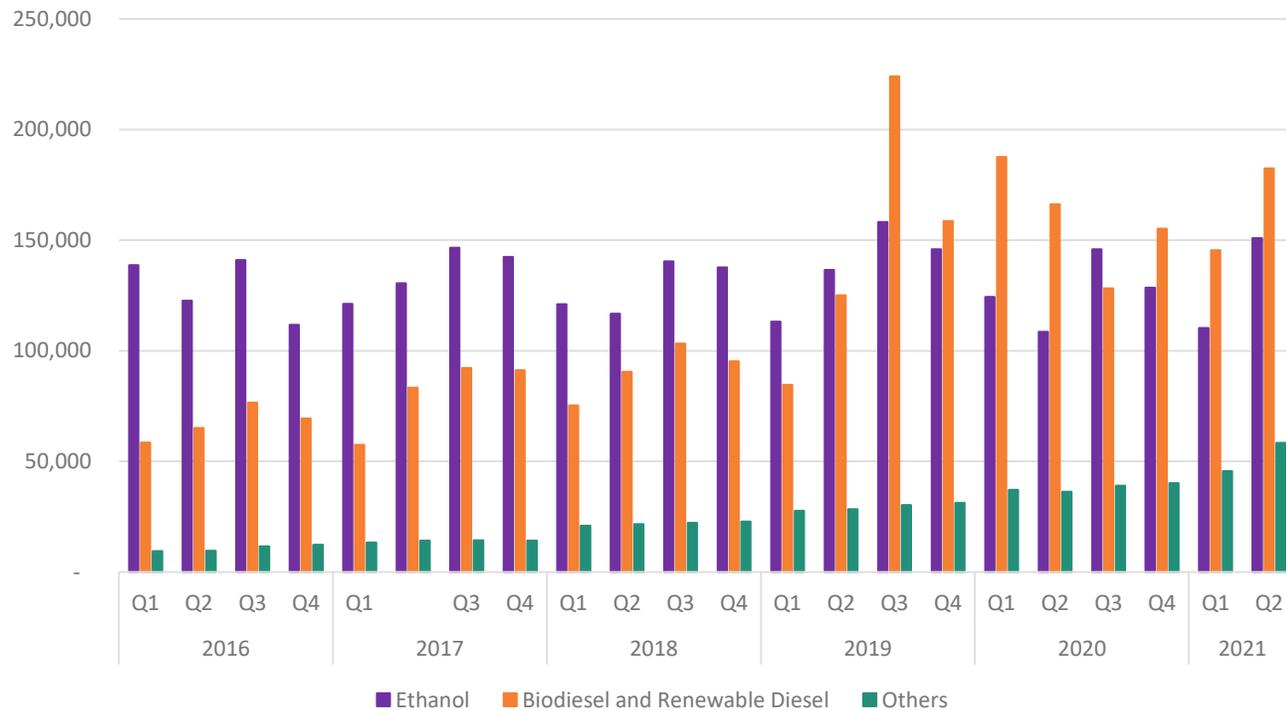
Lowered the carbon intensity of ethanol and biodiesel by about 20%

Increased the blend rate of biodiesel & renewable diesel to about 13%

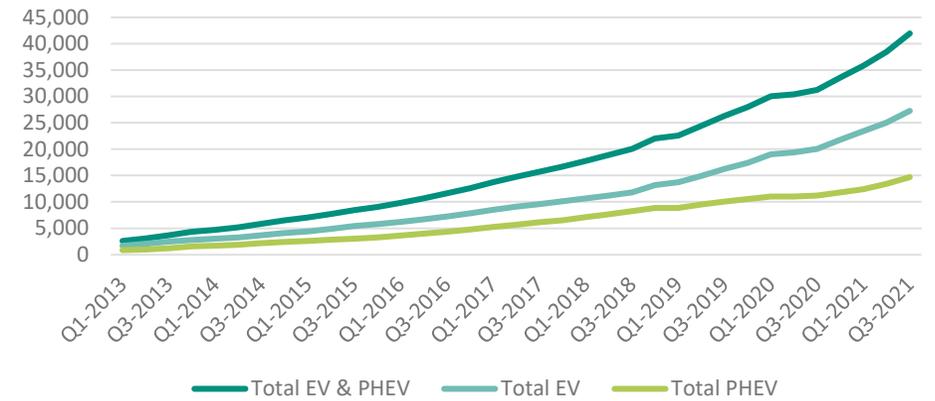
Enabled the state's utilities to invest almost \$20 million in EV projects

Contribution by Fuel Type

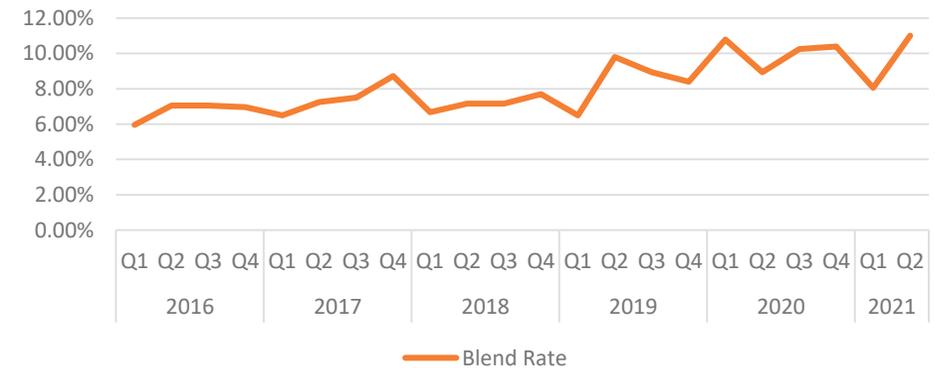
Credits by Fuel Type



Electric Vehicle Registration in Oregon

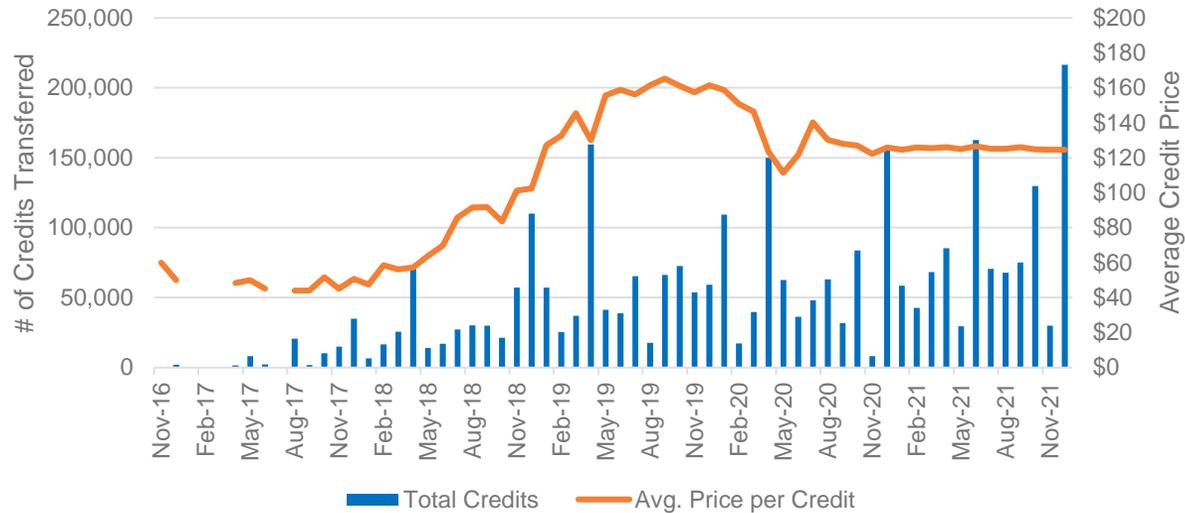


Biodiesel & Renewable Diesel Blend Rate



CFP Credit Market

Monthly Credit Transfer Data



- Credit prices published monthly to provide transparency to the market
- Credit Clearance Market is a last chance to obtain credits
 - CCM credit price is \$200 in 2018 dollars and adjusted for inflation annually
 - In 2022, the CCM credit price was \$230.43

DEQ is required to publish the Annual Cost to comply with the Clean Fuels Program which is based off the reductions required for that year and the average credit price

- This is a conservative calculation based on the assumption that a regulated party will buy all of their obligations through the credit market and does not account for lower fuel costs associated with many of the alternative fuels.
- For 2021, this was 5.09 cents per gallon of E10 and 5.80 cents per gallon of B5

Lowering the Price of Cleaner Fuels

Fuel	Value of CFP Credits @ \$125 in 2021
Corn ethanol	\$0.39 per gallon
Used cooking oil biodiesel	\$1.16 per gallon
Soy biodiesel	\$0.61 per gallon
Renewable diesel	\$0.79 per gallon
Electricity in a light-duty vehicle	\$0.08 per kWh
Electricity in a heavy-duty vehicle	\$0.15 per kWh
Landfill renewable natural gas	\$0.45 per therm
Dairy renewable natural gas	\$4.41 per therm
Renewable propane	\$0.58 per gallon

Questions?

Clean Fuels Program web page:

<https://www.oregon.gov/deq/ghgp/cfp/Pages/default.aspx>

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