



Oregon's Proposed Low Carbon Fuel Standards

Joint Meeting of the Senate Environment & Natural Resources Committee and the House Environment, Energy & Water Committee
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Dick Pedersen
Director, DEQ

Andrew Ginsburg
Air Quality Administrator, DEQ

Michael Lawrence
President, Jack Faucett Associates



Oregon's Proposed Low Carbon Fuel Standards

HB 2186




 Oregon's Proposed Low Carbon Fuel Standards

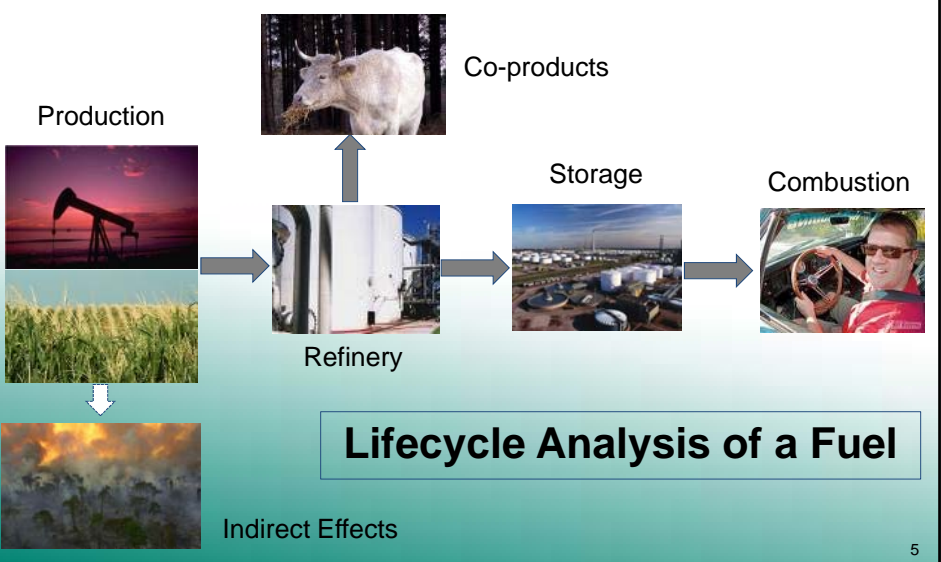
Advisory Committee

Diverse stakeholders

- Fuel producers, importers and distributors
- Utilities
- Broad range of fuel users
- Business associations
- Consumer protection
- Labor
- Environmental organizations
- Academia

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The diagram illustrates the lifecycle of a fuel, starting with Production (oil pumpjack and crops), moving to Refinery, then Storage, and finally Combustion (driver). It also shows Co-products (cattle) and Indirect Effects (clouds).

Production

Co-products

Refinery

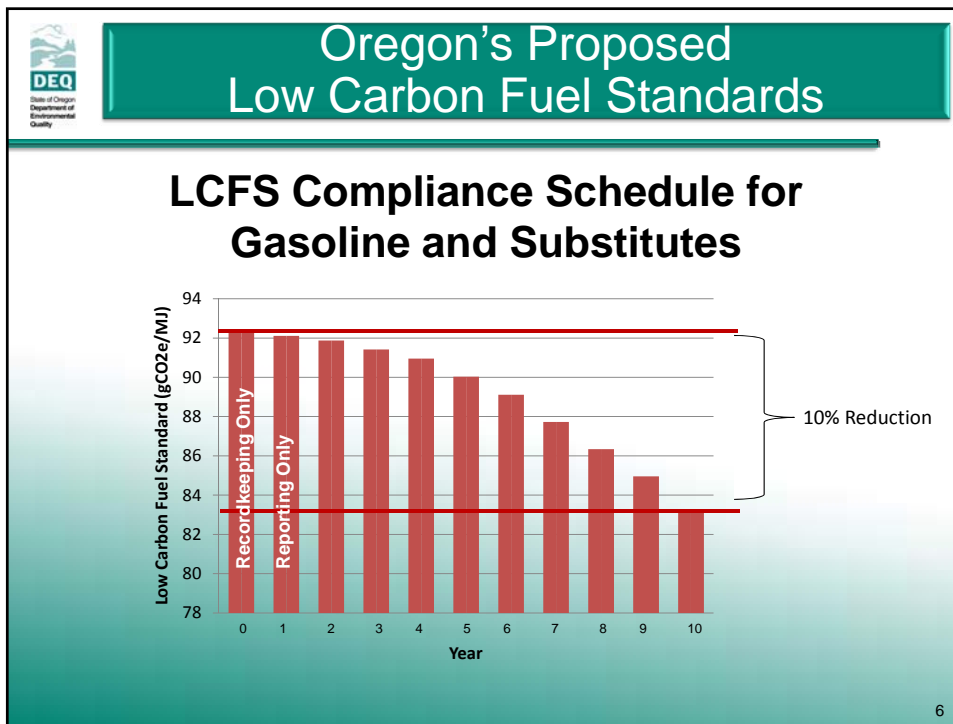
Storage

Combustion

Indirect Effects

Lifecycle Analysis of a Fuel

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Safeguards

Exemptions	Specific Fuels	Specific Uses	Small Production Volume	Production for Own Use	Pilot Facilities
Deferrals	Temporary Supply	Forecasted Supply	Fuel Price		
Review of Rules	As needed	Annual	2014	2016	

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Many Ways to Comply

Fuel	Oregon Carbon Intensity* (gCO ₂ e/MJ)
Gasoline	92.34
Ultra Low Sulfur Diesel	91.53
Compressed Natural Gas (CNG)	70.22
Ethanol (Corn)	64.82
Electricity	37.80
Biodiesel (Midwest Soybeans)	19.99
Cellulosic Ethanol (NW Farmed Trees)	15.54
Biodiesel (Yellow Grease)	10.28

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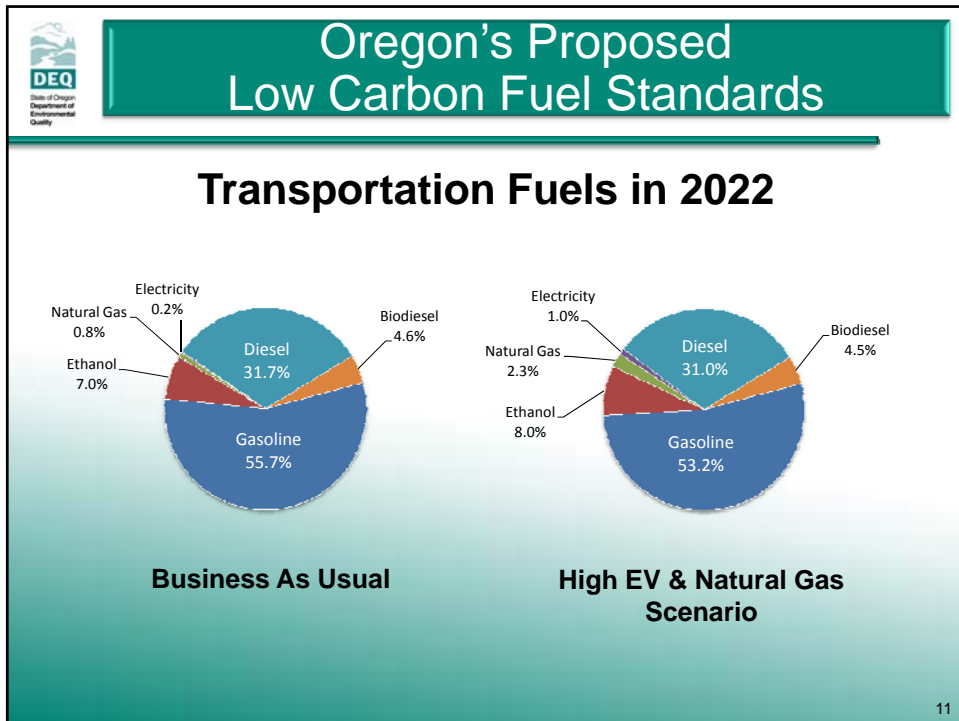
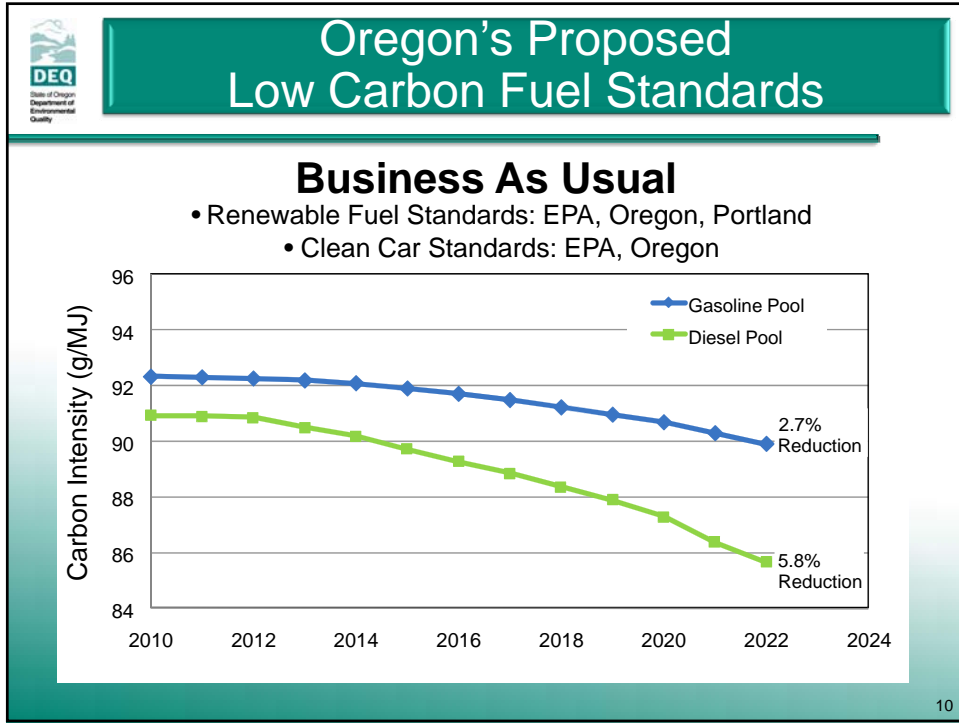
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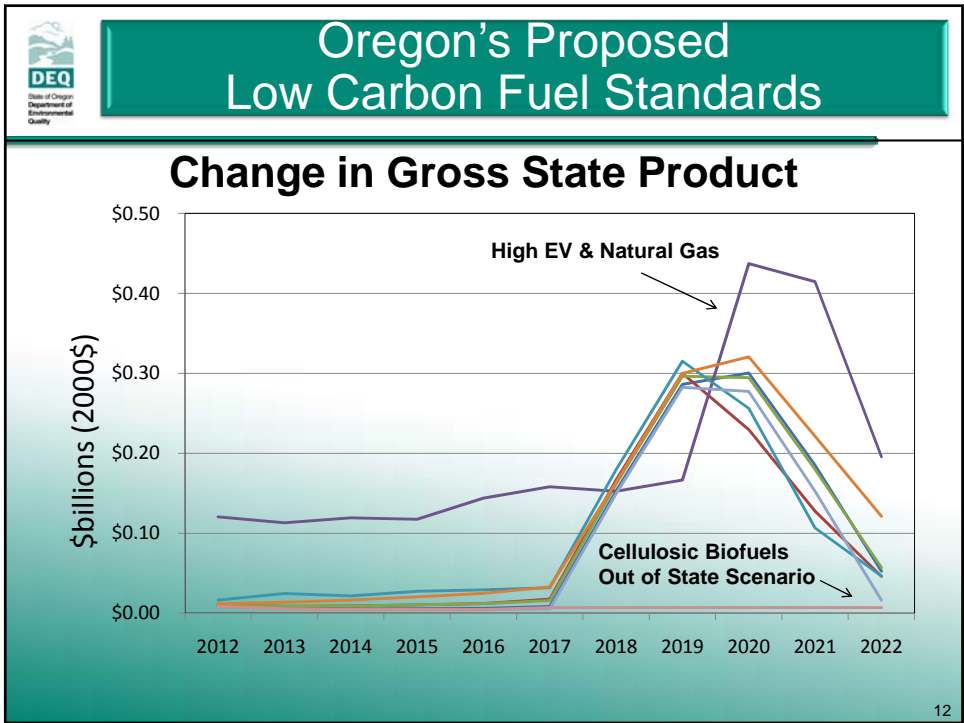
Goal of the Economic Impact Analysis

Describe the micro- and macro-economic impacts of implementing low carbon fuel standards in Oregon

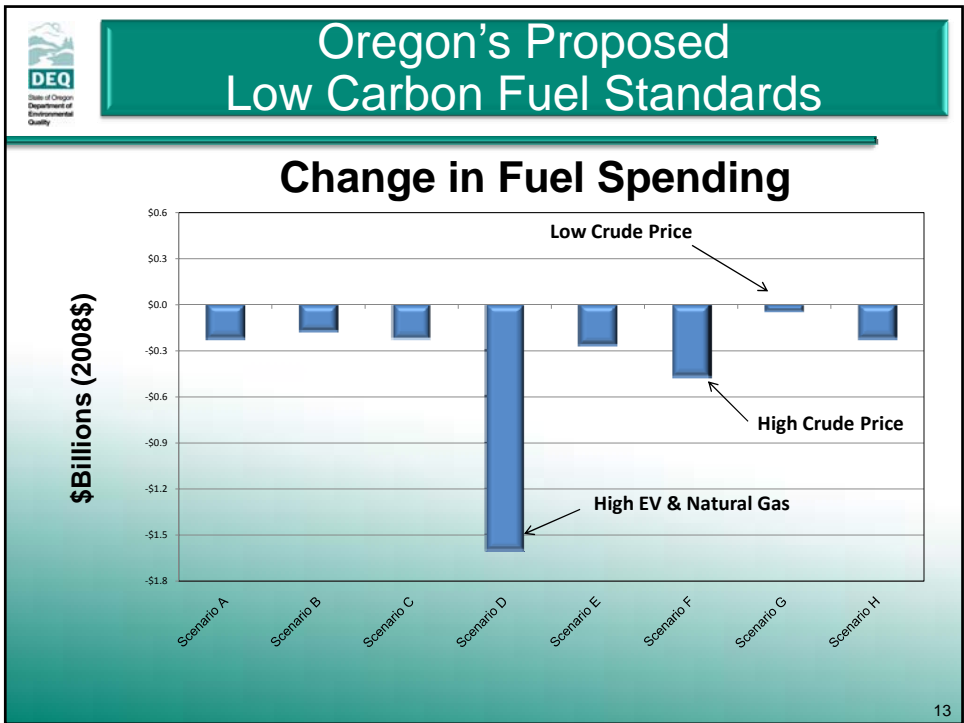
- All results are comparisons to BAU
- Change in **Fuel Expenditures**
- Change in **Gross State Product**
- Change in **Personal Income**
- Change in **Employment**
- Measured statewide and for 70 individual economic sectors
- VISION and REMI Policy Insight

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Impact on Oregon's Economy

	Range of Benefits over 10 year period
Employment	863 – 29,290 jobs-years
Personal Income	\$60 – \$2,630 million
Gross State Product	\$70 – \$2,140 million
Fuel Savings	\$43 - \$1,607 million

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Next Steps



Public Discussion (2011) Legislative Review (2013)

Outreach & Planning (2011-2012)

Timeline: 2011 → 2012 → 2013 → 2014

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