Oregon Clean Fuels Program

Clean Fuels Program Update Supporting Material

House Energy & Environment Committee Meeting April 5, 2017



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Clean Fuel Standards





Over-Compliance in 2016



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3

All Fuel Types Generating Credits



2017 Forecast: Fuels are Available

Fuel	Demand	Deficits	Credits
Gasoline Blendstock	1,428 MGals	437,500	
Diesel	737 MGals	239,400	
Banked Credits, 2016			160,000
Gasoline Substitutes			
Ethanol	160—190 MGals		200,000—600,000
Electricity	60—85 GWh		41,000—43,700
Diesel Substitutes			
Biodiesel	40—45 MGals		190,000—280,000
Renewable Diesel	40—50 MGals		265,000—395,000
Natural Gas	1.7—3.0 MDGE		4,500—15,000
Propane	0.8—1.3 MGals		1,200—2,000
Т	OTAL	676,900	862,000-1,496,000
*Taken from the ICF forecast for 2017			
	Clean Fuels	s Program	5 State of One

Long-Term Compliance

- The Clean Fuels Program can be achieved through a <u>diverse fuel supply</u> using a combination of ethanol, biodiesel and renewable diesel from various feedstocks, electricity, natural gas, renewable natural gas and propane for compliance.
- <u>Over-compliance</u> in the early years of the program reduces the need for new fuels or infrastructure and reduces compliance costs.
- By using a combination of approaches, there is potential for meeting the <u>2016-2025 requirements</u> without exhausting the bank of credits and nearly reaches credit and generation parity in 2027.

*Taken from the ICF draft illustrative scenarios for 2016-2025 Clean Fuels Program



Biofuel CI Trends in California



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7

Estimating the Impact of the CFP



*If California's actual credit prices are laid over Oregon's timeline, this is the estimated impact of the CFP on retail gasoline that is blended with high-CI ethanol.



Oregon Retail Gasoline Prices



At the Current \$50 Credit Price...



10