



Renewable Fuel Standard (RFS)

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PURPOSE of the RFS

- **Promote the use of biofuels**
- **Stimulate growth in the biofuels industry**
- **Provide consumer protection in a new industry**
- **Support the statewide RFS**

RFS History

- **On July 12, 2006 Portland City Council approved a citywide Renewable Fuels Standard**
- **Portland became the first city in the nation to adopt an RFS.**
- **July 1st 2007 : RFS Requirements effective**



RFS Workgroup

- **4 month rule revision process
Dec. 2006- April 2007**
- **45 representatives from petroleum, trucking, biofuels and agriculture industries, the City of Portland, and State Departments of Agriculture and Energy**
- **The Administrative Rules provide further detail and specifics regarding requirements of the Portland City Code Chapter 16.60**

Administrative Rules

- **Apply to fuel for on-road motor vehicles**
- **Do not apply to fuel sold in the City of Portland for subsequent delivery beyond the City limits.**

2007 Biodiesel Requirements

- ☼ **July 1st:**
All diesel fuel sold by fuel marketers to fuel vendors must be B5 or higher.
- ☼ **August 15th:**
All diesel fuel dispensed by fuel vendors in the City of Portland shall be B5 or higher.

2007 Ethanol Requirements

- ☼ **September 16th:**
All gasoline sold by fuel marketers to fuel vendors must be E10.
- ☼ **November 1st:**
All gasoline dispensed by fuel vendors in the City of Portland shall be E10.

2010 Biodiesel Requirements

- ☀ **July 1st:**
All diesel fuel sold by fuel marketers to fuel vendors must be B10 or higher
- ☀ **July 1st:**
All diesel fuel dispensed by fuel vendors in the city of Portland shall be B10 or higher

Retailer Exemption

- A fuel retailer who sells B20 or greater at one or more standard, fixed pumps, at the retail location, may also offer for sale diesel on the same or contiguous location.

Biodiesel Certification

- Biodiesel produced within or imported into the State of Oregon for the purpose of complying with PCC Chapter 16.60 or these rules, must be accompanied by a Certificate of Analysis for that specific production lot or batch of biodiesel.

"Certificate of Analysis"

• A document verifying that B100 has been analyzed and complies with the following ASTM D 6751 biodiesel fuel test methods and specifications:

- Flash Point
- Acid Number
- Cloud Point
- Water and Sediment
- Free Glycerin and Total Glycerin

AND ALSO: Visual Appearance and feedstock requirements

Why Now

- ❁ **15% of all diesel sold in Oregon is sold in Portland**
- ❁ **Local and state businesses face competition from petroleum interests**
- ❁ **State and City have a commitment to greenhouse gas reduction and air quality.**
- ❁ **Decreases dependence on petroleum**

Economic Benefits

- **Reliable demand:**
 - 4 million + gallons of biodiesel
 - 16 million gallons of ethanol
- **Market development of Oregon based biodiesel production facilities**
- **Markets for Oregon grown feed-stocks**

Successful Use

- Since 2004, B20 has powered all City of Portland owned diesel equipment using the City's fueling stations.
- 373 trucks, 166 pieces of construction equipment, and 62 towed units use about 600,000 gallons of B20 fuel each year.



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Web Resources

- **Portland Office of Sustainable Development**
www.portlandonline.com/osd
- **US Dept. of Energy, Efficiency and Renewable Energy**
www1.eere.energy.gov/biomass/index
- **National Biodiesel Board**
www.biodiesel.org/resources/faqs