



Washington and Biofuel Production and Use

WSU Oilseed Crop Production Workshop

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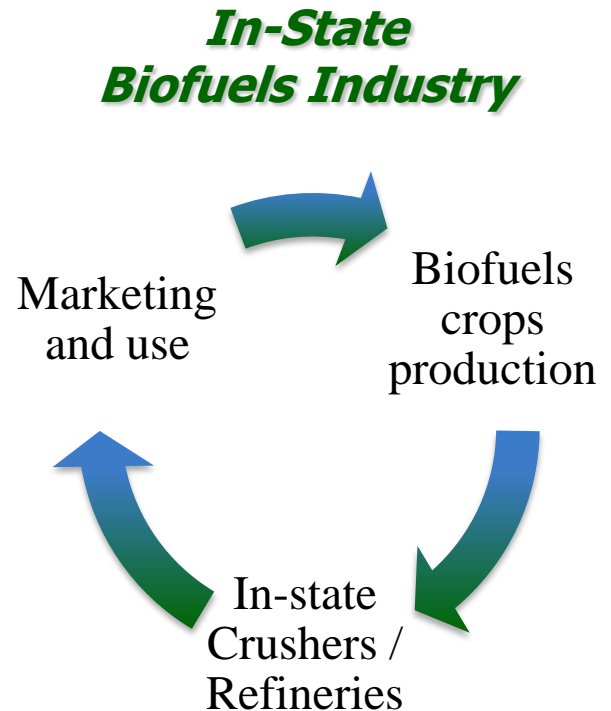
Washington's Bioenergy Initiative

Goals:

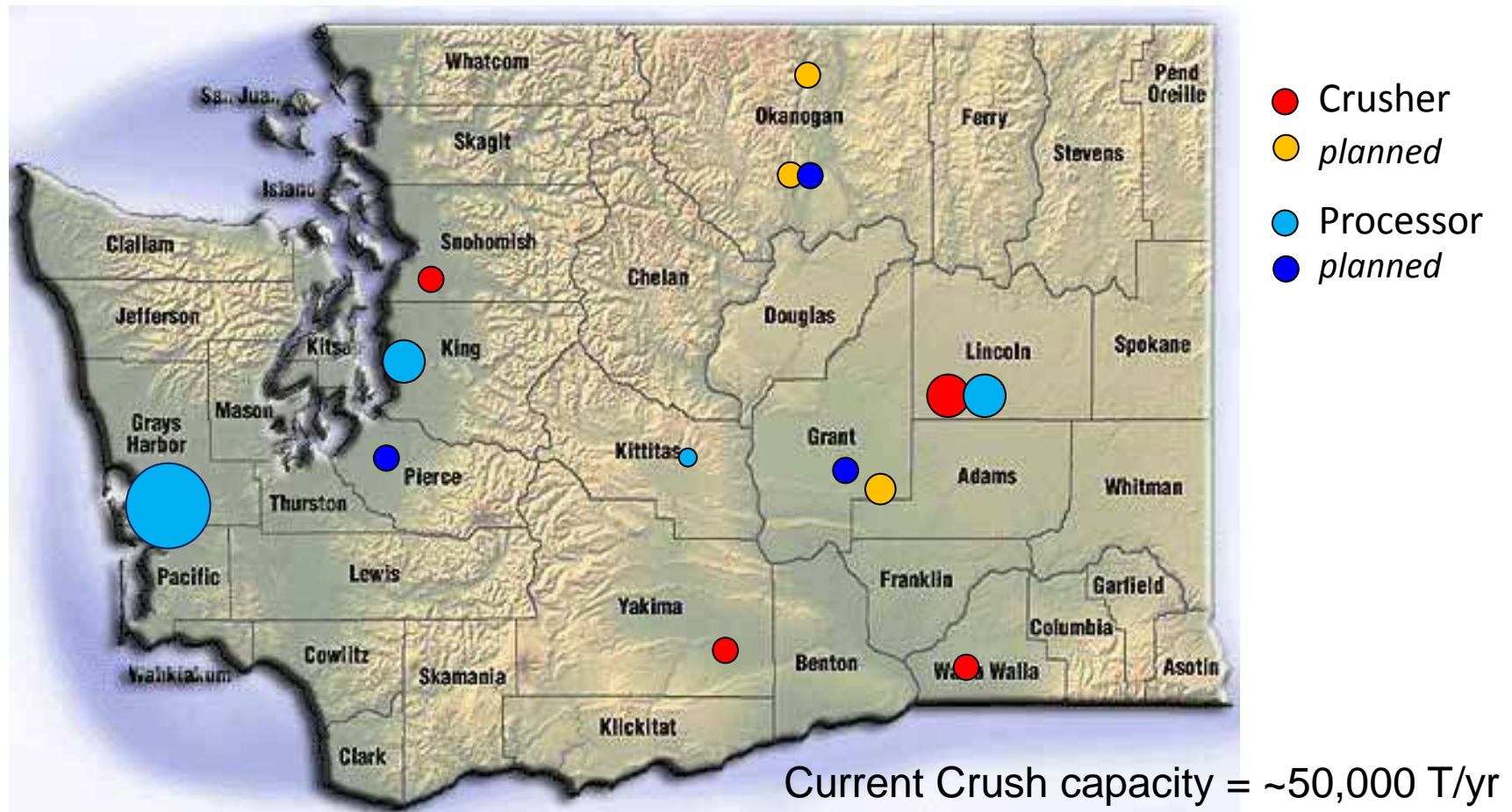
- Reduce dependence on foreign oil
- Improve environment and public health
- Foster economic development, especially for rural communities

Strategies:

- Stimulate markets
- Support needed research
- Incentivize investment in production & distribution facilities



Biofuels Production Facilities - October 2011



Market Drivers for Biofuels

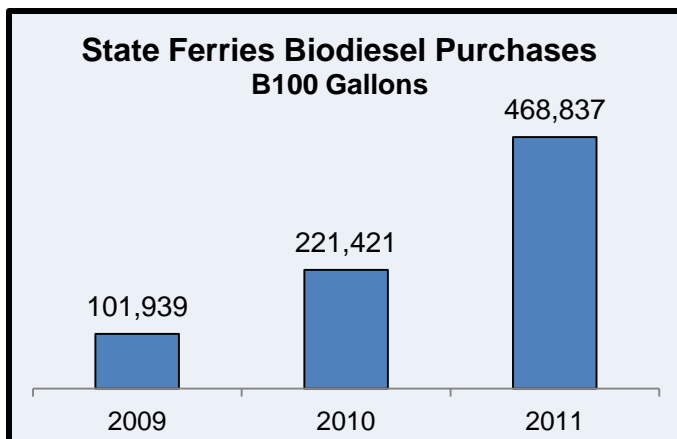
- Renewable Fuel Standards (RFS)
 - WA: 2% ethanol, 2% biodiesel by volume
 - Federal RFS2, as of July 2010
 - Requires **36 billion gallons** renewable transportation fuel by 2022
 - Our neighbors
 - Oregon – B2 in 2009, B5 in 2011
 - British Columbia
- Industry Renewable Fuel Initiatives
 - Military
 - Commercial Aviation
- Government Use Requirements

corn ethanol
+ biomass-based diesel
+ cellulosic biofuels
+ advanced biofuels
= 36 BGY



State and federal policy continues to support biofuels

State agency biodiesel use continues increase



Total Biodiesel Purchased (B100 gallons)

2010: 480,000+ gallons

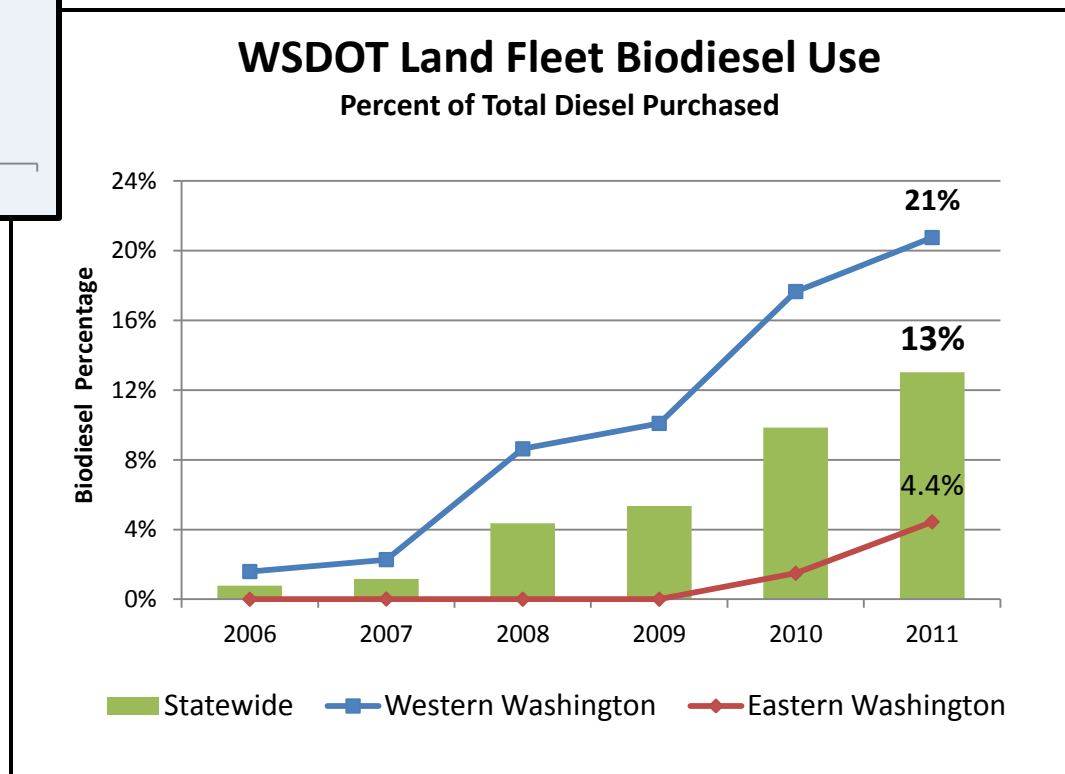
2011: 850,000+ gallons

Ferries fuel costs (Jul-Dec 2011)

- #2 Diesel averaged \$3.55/gal
- B5 averaged \$3.57/gal

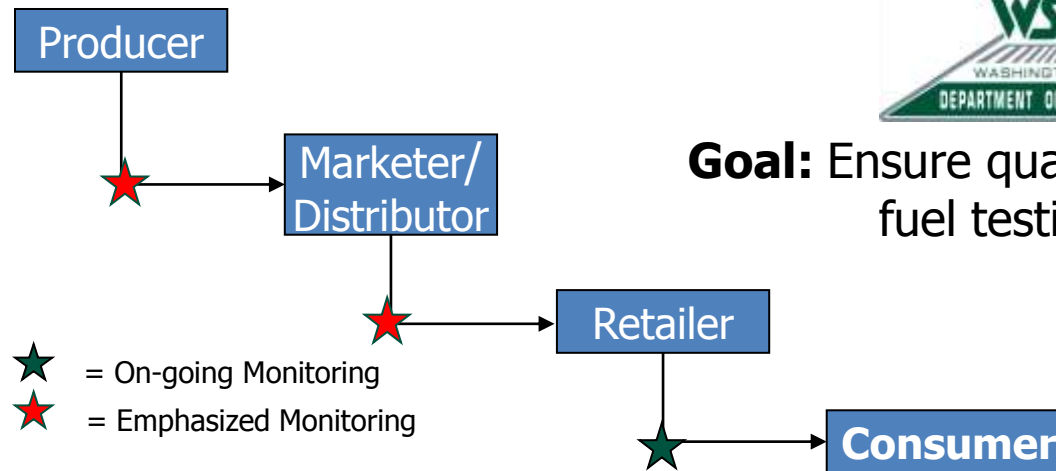
Land Fleet changes

- Biodiesel available in Eastern Washington as of 5/21/11.
- Must be at least 51% in-state biodiesel.



Biofuels Quality and Standards

- All motor fuels must meet national ASTM standards
- Diesel and Biodiesel up to B5 have the same standard (ASTM D975)
- WSDA finds few quality problems, few complaints regarding biodiesel or diesel



Goal: Ensure quality fuels through fuel testing and audits.