

WASHINGTON STATE DEPARTMENT OF COMMERCE

Reducing Diesel Emissions: Policy Considerations in Washington State

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Energy Policy Division



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- **State Energy Strategy**
- **Alternative Fuels Rulemaking**
- **Pacific Coast Collaborative**

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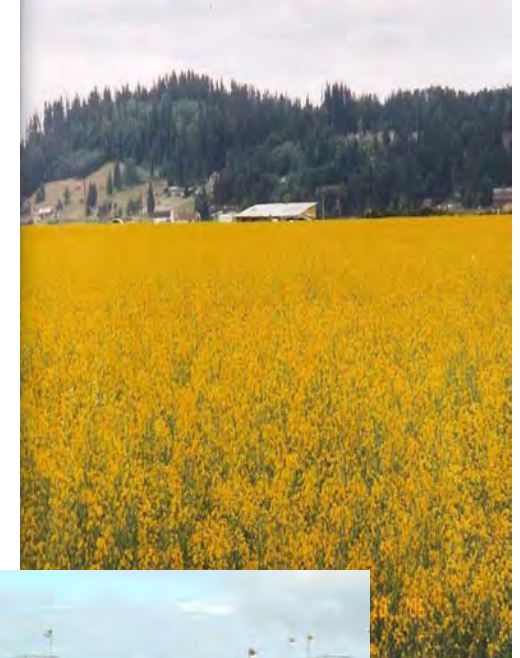


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Washington's Biofuel Initiative

Goals:

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

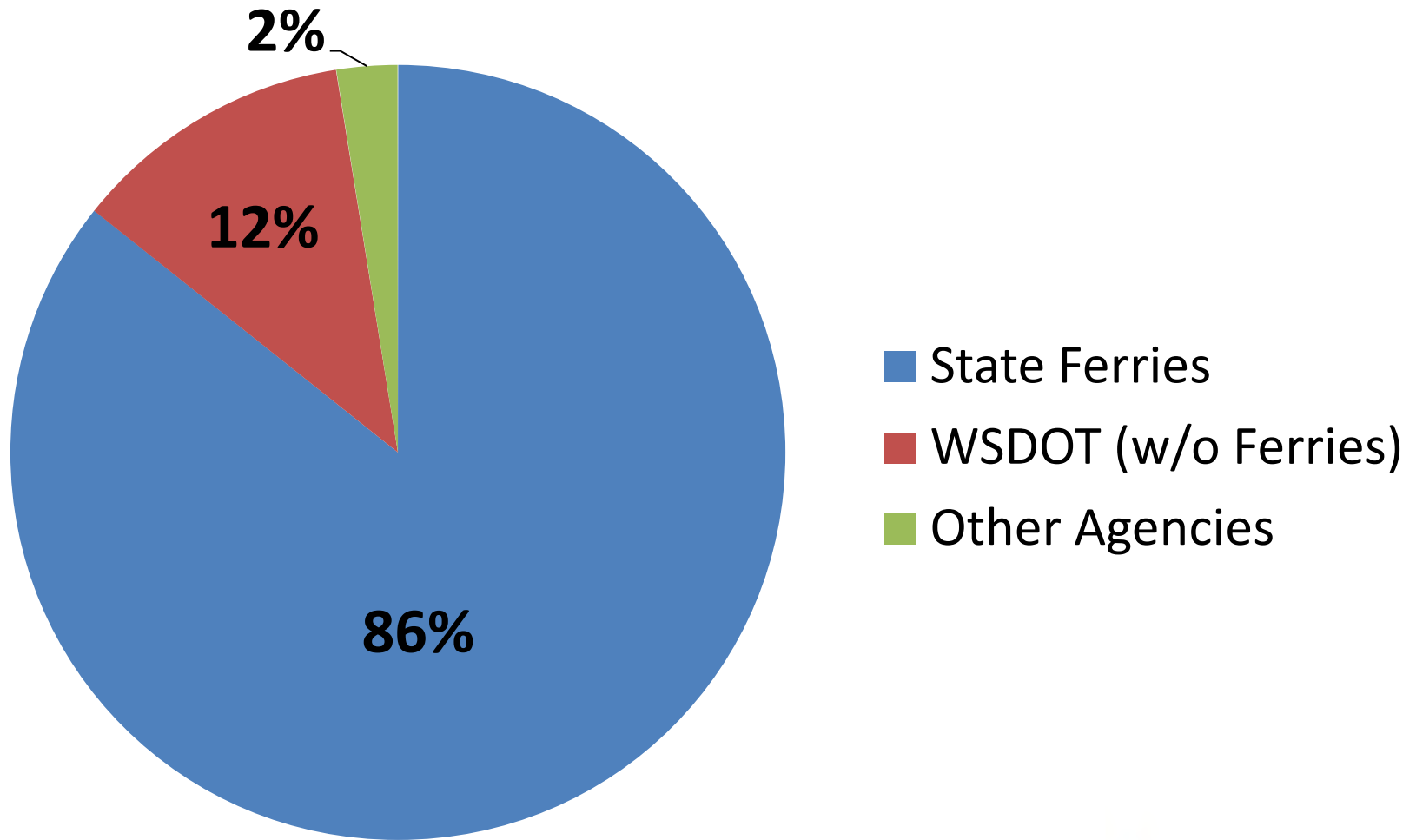


Strategies:

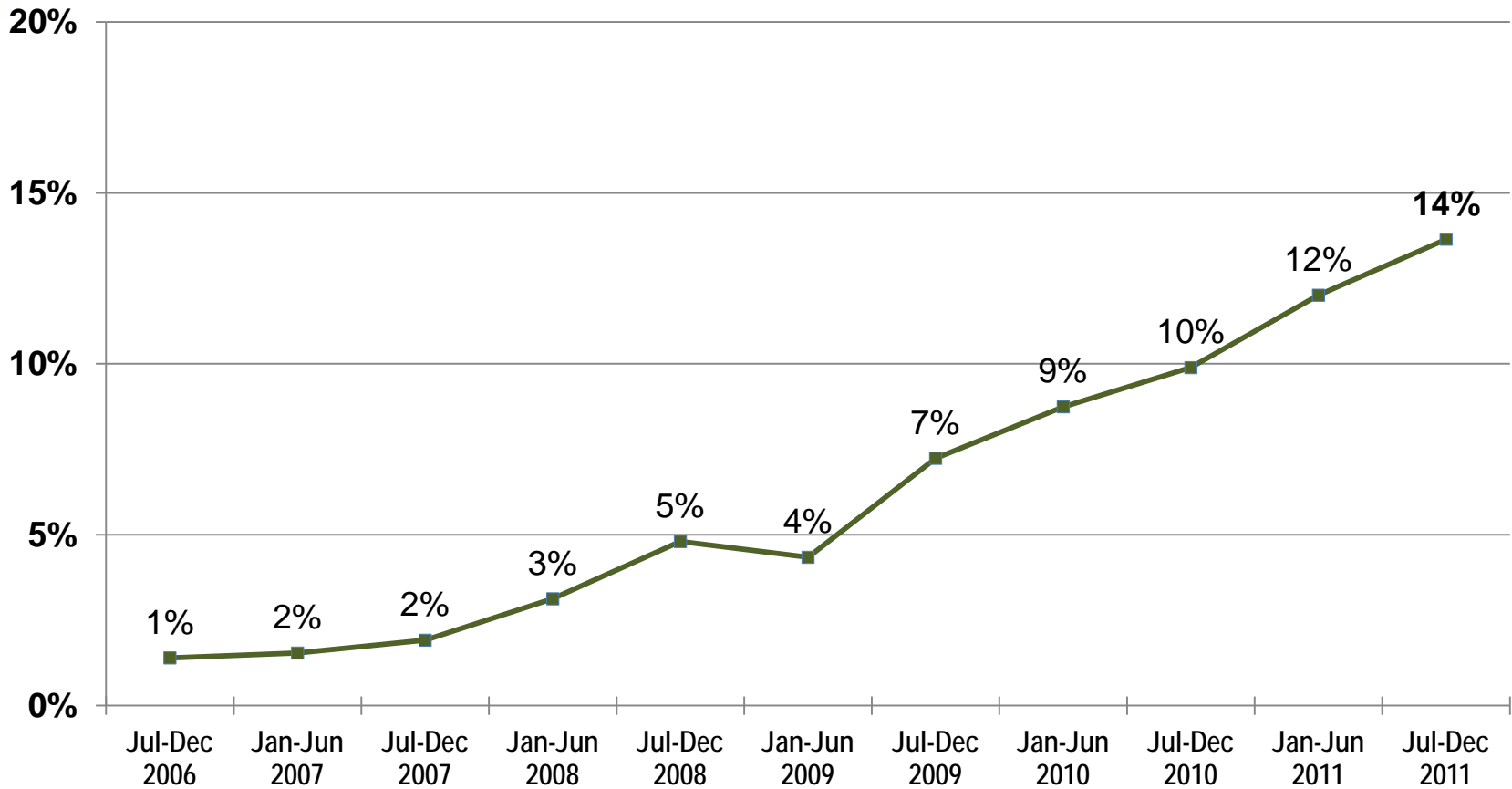
- Stimulate markets
- Support crop research
- Incentivize production



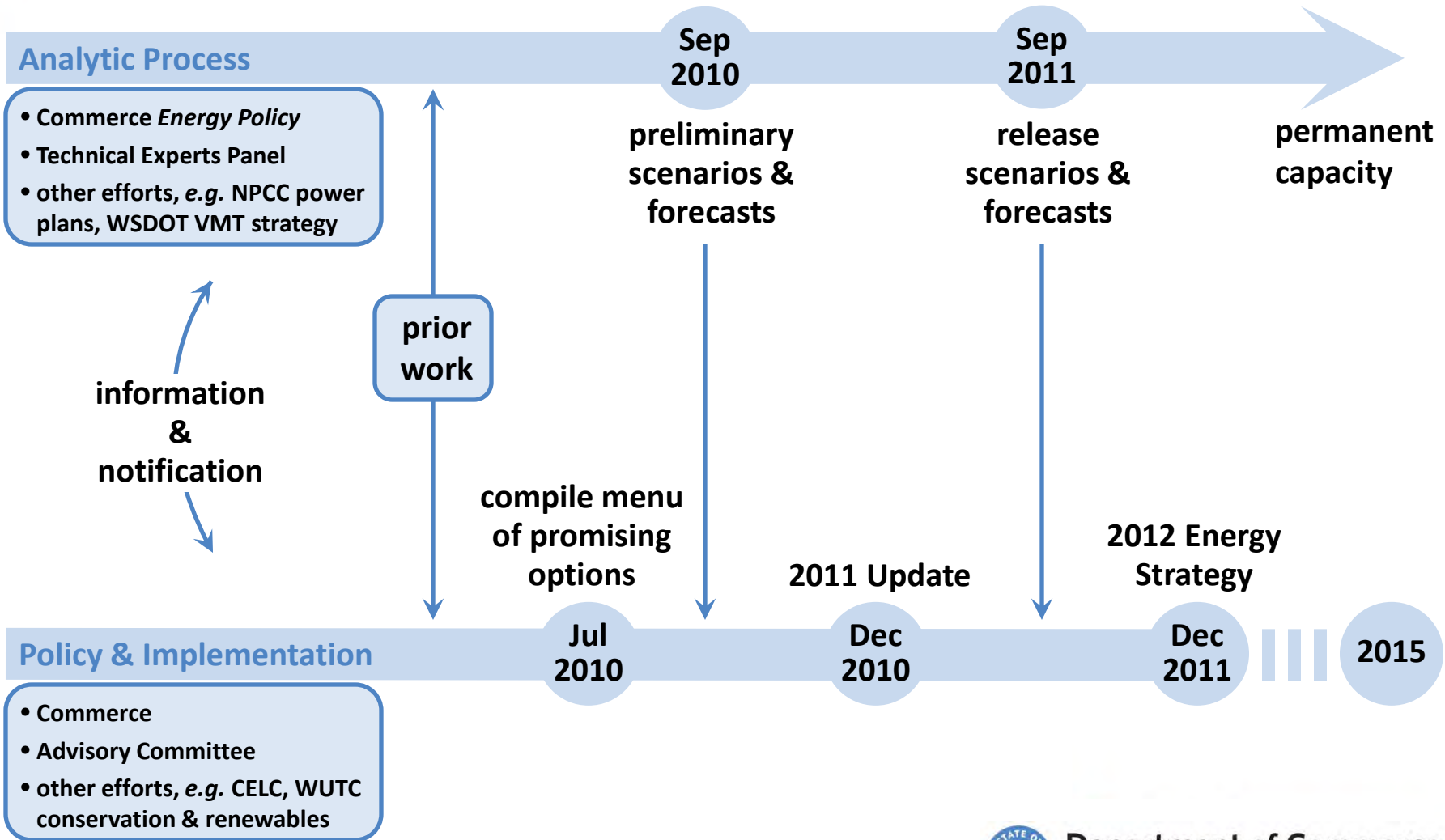
State Agency Diesel Purchases



State Agency Biodiesel Use (except Ferries)



Washington State Energy Strategy Process



State Energy Strategy: Three Policy Areas

TRANSPORTATION EFFICIENCY

vehicles and fuels

travel efficiency

pricing

BUILDINGS EFFICIENCY

**performance and
transparency**

**funding and
financing**

**low income and
rental housing**

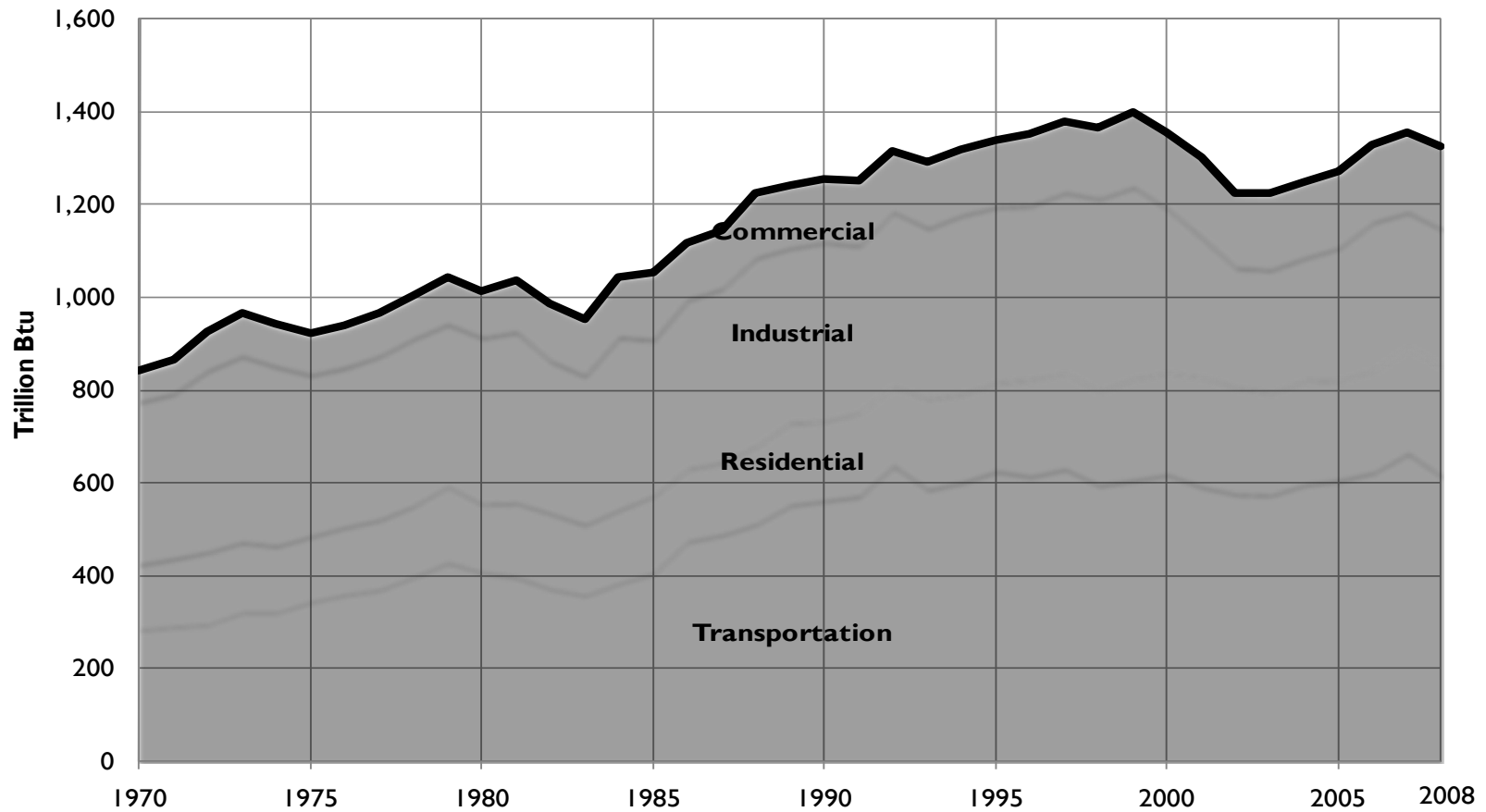
DISTRIBUTED ENERGY

**facilitating
development**

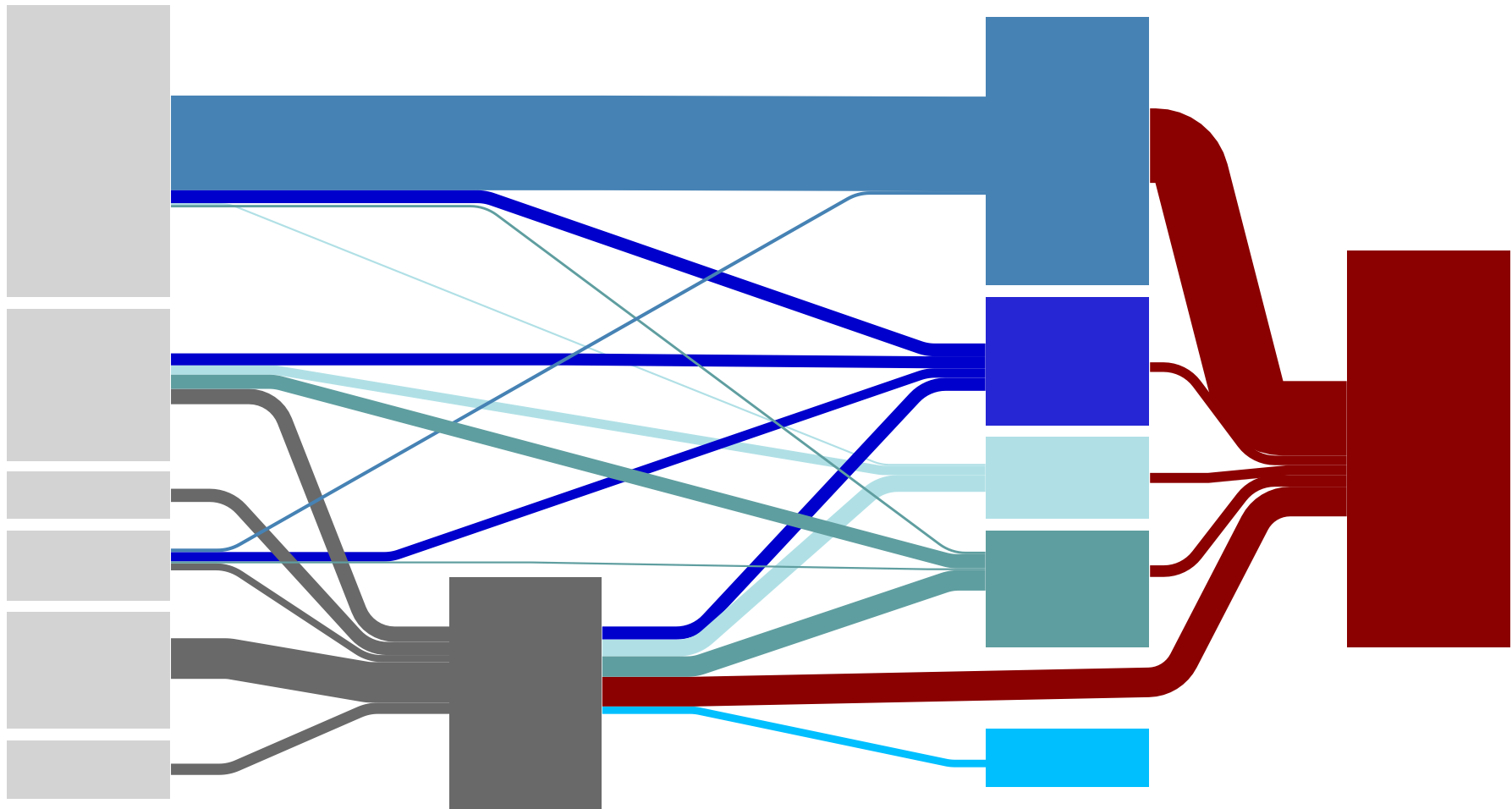
**financial
incentives**



End-Use Energy Consumption by Sector

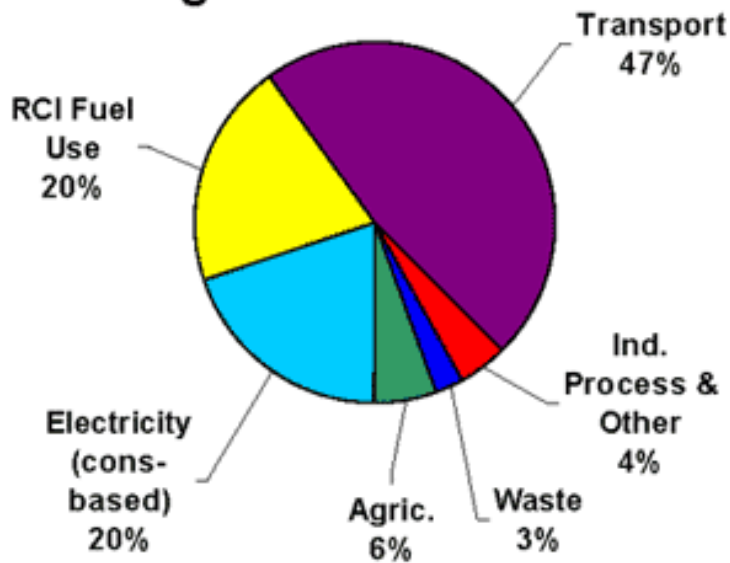


Energy Flows in Washington State (2009)

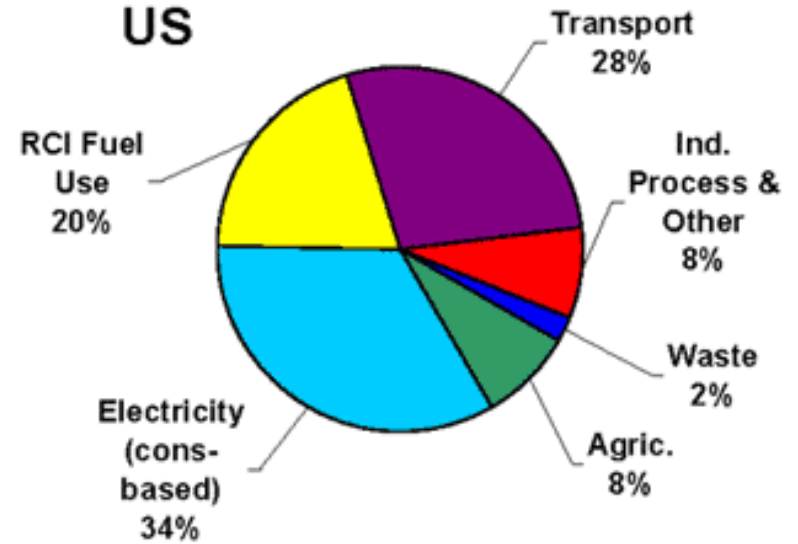


Carbon Emissions by Sector

Washington



US



Near-Term Recommendations

vehicles & fuels

- electric vehicle support
- renewable fuels standard
- diesel engine fuel efficiency improvements

travel efficiency

- Commute Trip Reduction expansion
- smart growth and transportation planning
- transportation systems management
- Regional Mobility Grants

pricing

- electric vehicle mileage pricing pilot
- car sharing and mileage-based insurance



Long-Term Policy Options

vehicles & fuels

- revenue neutral feebate
- low-carbon fuel standard
- advanced aviation fuels
- improvements to railroads

travel efficiency

- comprehensive trip reduction program
- energy efficient transportation choices

pricing

- emerging pricing methods
 - congestion pricing
 - mileage pricing
 - cordon pricing
- carbon pricing



Strategy Implementation

- **EV Support:** Expand and support infrastructure for use and production
- **Renewable Fuels Standard:** Universal B5 biodiesel content
- **Diesel Engine Fuel Efficiency:** New programs and partnerships to promote improvements to ferry fleet
- **EV Mileage Pricing:** Design and deploy a pilot program
- **Car Sharing and Mileage-Based Insurance:** Mechanisms that more strongly connect travel cost to distance
- **Aviation Biofuels:** Support federally-funded research and private initiatives



Alternative Fuel Rulemaking

- Electricity or biofuel for government transportation needs, “to the extent practicable”
- State agencies: 40% by 2013, 100% by 2015
- Rulemaking started in January, proposed rule this Summer
- Local governments: 100% by 2018 (separate rules by 2015)



- CNG, LNG and propane allowed if electricity and biofuel not reasonably available
- Transit agencies using CNG by June 2018 exempt



Pacific Coast Collaborative

- Executive policy forum (WA, OR, CA, AK, BC)
- Recently published “West Coast Clean Economy”
- Integrating electrification and/or alternative fuels in port activities and coastal ferry systems
- Exploring regional benefits of high-speed rail corridors
- Lowering the carbon footprint of long-haul trucking operations
- PHEV joint procurement effort
- Fleet management practices



Stay in Touch...



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