


# DEVELOPING A REGIONAL CLEAN FUEL STANDARD

Snohomish County  
Board of Health  
July 9, 2019

CLEAN FUEL STANDARD

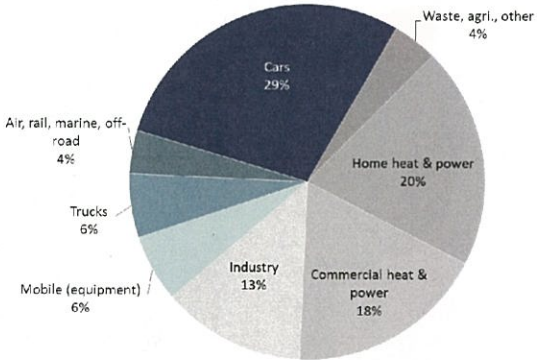


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## POLLUTION SOURCES


Transportation is the primary source of greenhouse gas (GHG) emissions in the Puget Sound region.

### 2015 GHG EMISSIONS

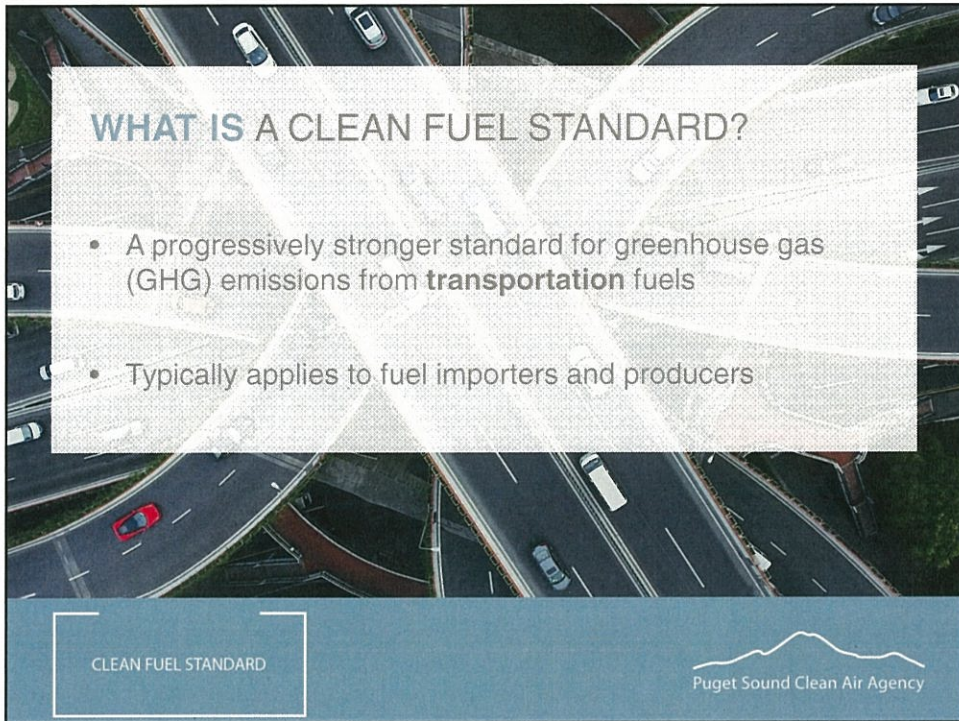


Source	Percentage
Cars	29%
Home heat & power	20%
Commercial heat & power	18%
Industry	13%
Trucks	6%
Mobile (equipment)	6%
Air, rail, marine, off-road	4%
Waste, agri., other	4%

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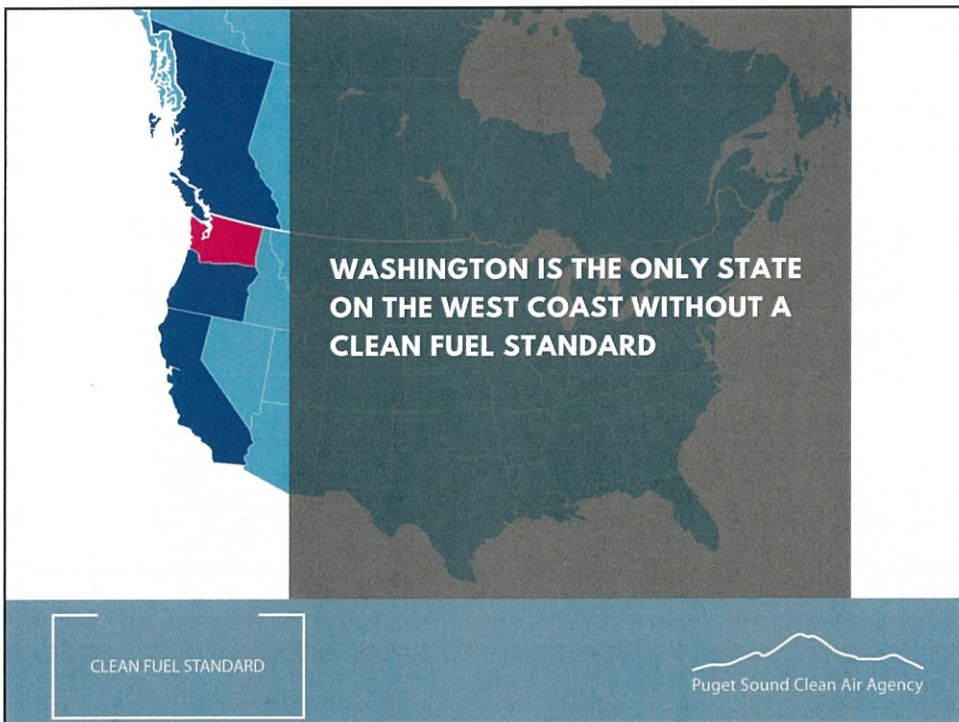


### WHAT IS A CLEAN FUEL STANDARD?

- A progressively stronger standard for greenhouse gas (GHG) emissions from **transportation** fuels
- Typically applies to fuel importers and producers

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### WASHINGTON IS THE ONLY STATE ON THE WEST COAST WITHOUT A CLEAN FUEL STANDARD

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## HOW A CLEAN FUEL STANDARD WORKS




1. Establishes a greenhouse gas (GHG) reduction target
  - Target is for all transportation fuel in the region
  - Target for GHG reduction increases every year
2. Low carbon fuels are incentivized by the market
  - High carbon fuels generate deficits
  - Low carbon fuels generate credits

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## TODAY'S CLEANER FUELS

- **Biodiesel & renewable diesel**
  - Vegetable oils, waste oils
- **Electricity**
  - No tailpipe pollution
  - Inexpensive: 2-3¢ per mile
  - Cleaner in WA than the U.S.
- **Ethanol** made from corn, sugar
- **Renewable natural gas**
  - Landfills, wastewater
  - Can replace diesel

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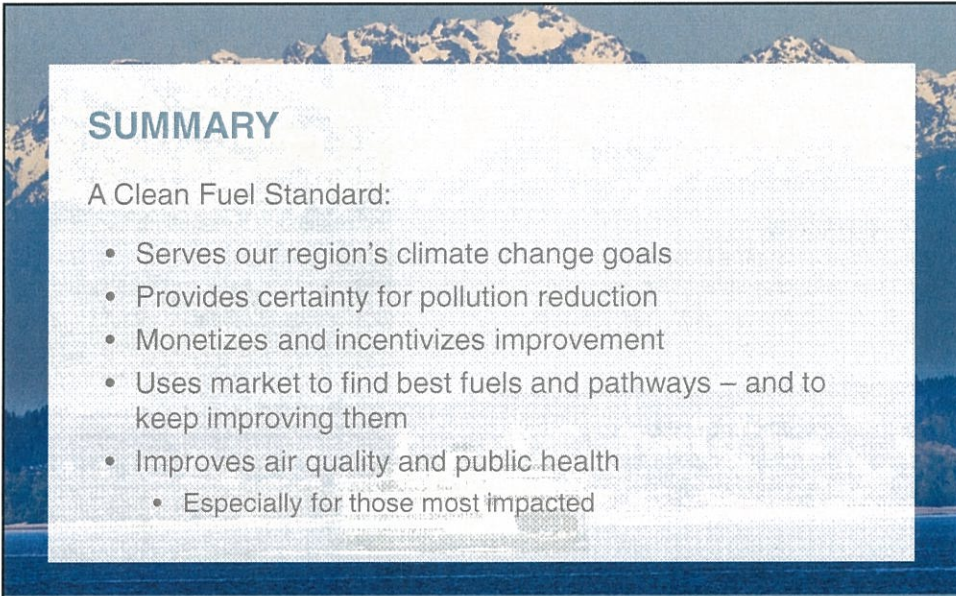
## PUBLIC HEALTH + EQUITY

- Health risk is highest in near-road communities
- Near-road communities benefit the most from reducing transportation pollution
  - Low-income communities and people of color live closest to major roadways
- Diesel is the largest potential cancer risk from air toxics in our region

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## SUMMARY

A Clean Fuel Standard:

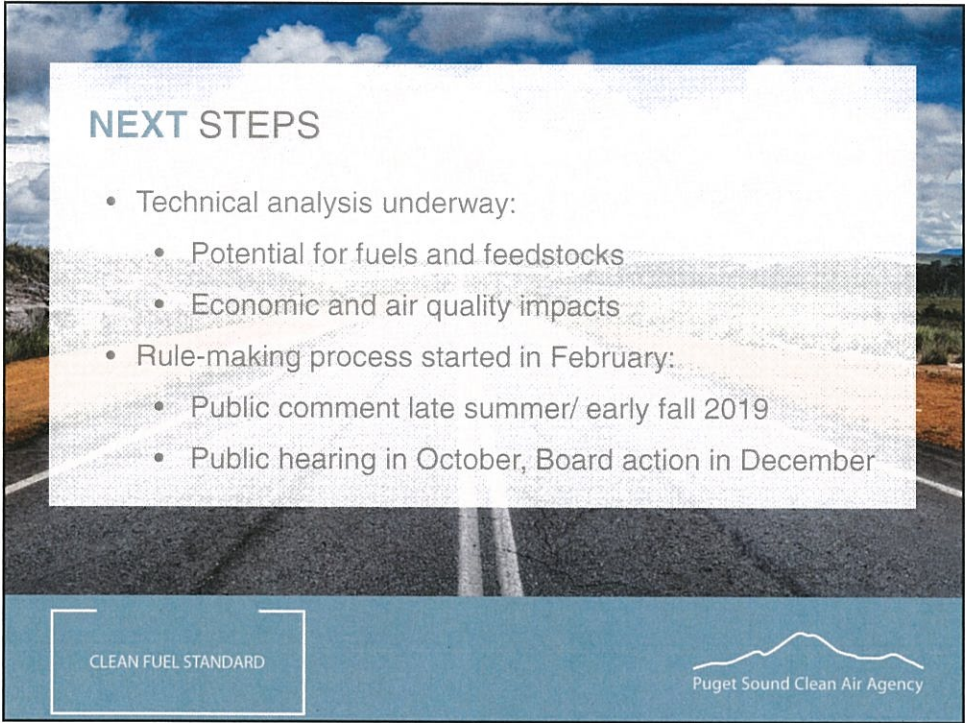
- Serves our region's climate change goals
- Provides certainty for pollution reduction
- Monetizes and incentivizes improvement
- Uses market to find best fuels and pathways – and to keep improving them
- Improves air quality and public health
  - Especially for those most impacted

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## NEXT STEPS

- Technical analysis underway:
  - Potential for fuels and feedstocks
  - Economic and air quality impacts
- Rule-making process started in February:
  - Public comment late summer/ early fall 2019
  - Public hearing in October, Board action in December

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## QUESTIONS?

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