



# UPDATE: AIR QUALITY STUDY & CLEAN FUEL STANDARD

Kitsap Regional Coordinating Council  
March 5, 2019

AIR QUALITY STUDY &  
CLEAN FUEL STANDARD

## OUR MISSION

We work to **protect** public health, **improve** neighborhood air quality, and **reduce** our region's contribution to climate change.

## OUR JURISDICTION



AIR QUALITY STUDY &  
CLEAN FUEL STANDARD

  
Puget Sound Clean Air Agency

# Kitsap County 2018-2019 Air Quality Study

## Partnered with North Kitsap Fire & Rescue

- Established four sensors at fire stations
- Started first week of October

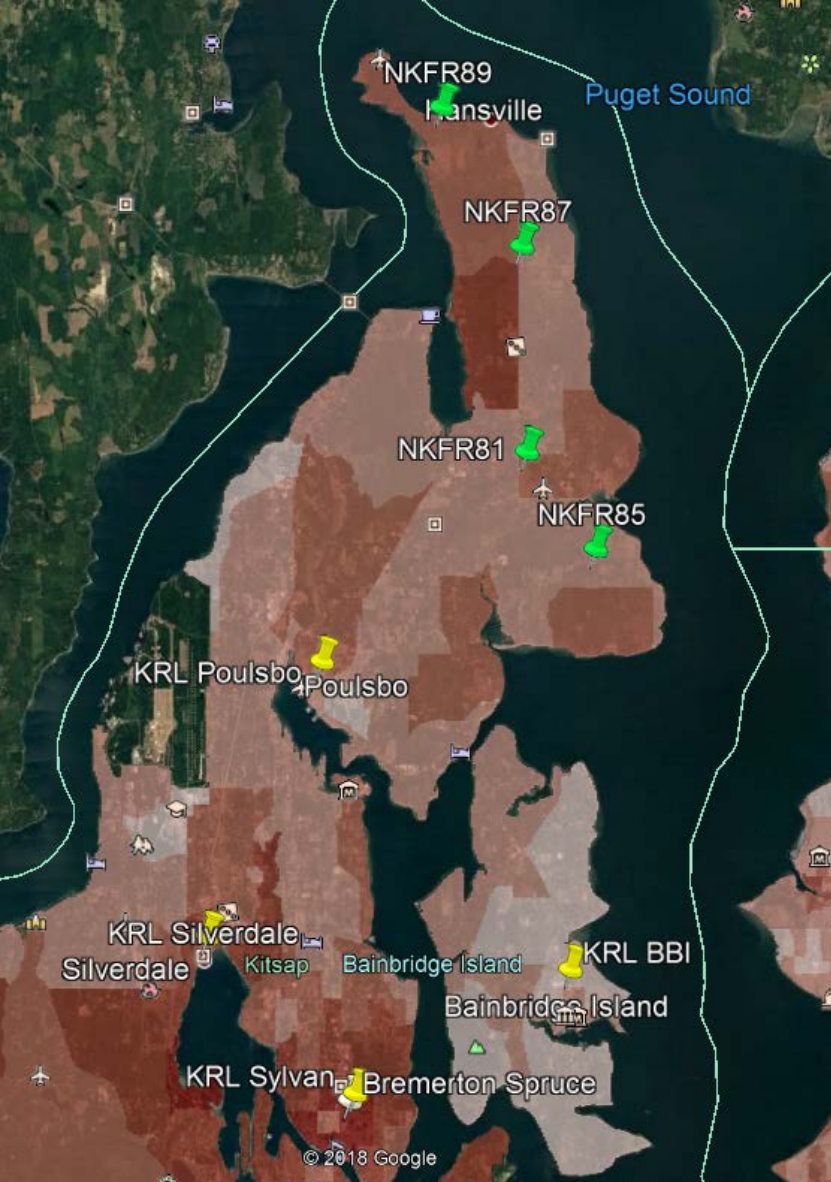
## Partnered with Kitsap Regional Library

- Established agreement to use up to six
- Outreach to KRL customers is underway
- Started first week of December

## Used Purple Air Sensors

- Data available on website in real time
  - [www.purpleair.com](http://www.purpleair.com)
- Locations cover large geography

**Air Monitoring Lead:** Matt Harper



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# PARTICULATE MATTER

- PM<sub>2.5</sub>: particles less than 2.5 micrometers.
- So small they travel deep into the lungs.
- Wood smoke and vehicle emissions contribute most health risk in our region.
- PSCAA's primary focus is reducing this pollutant.

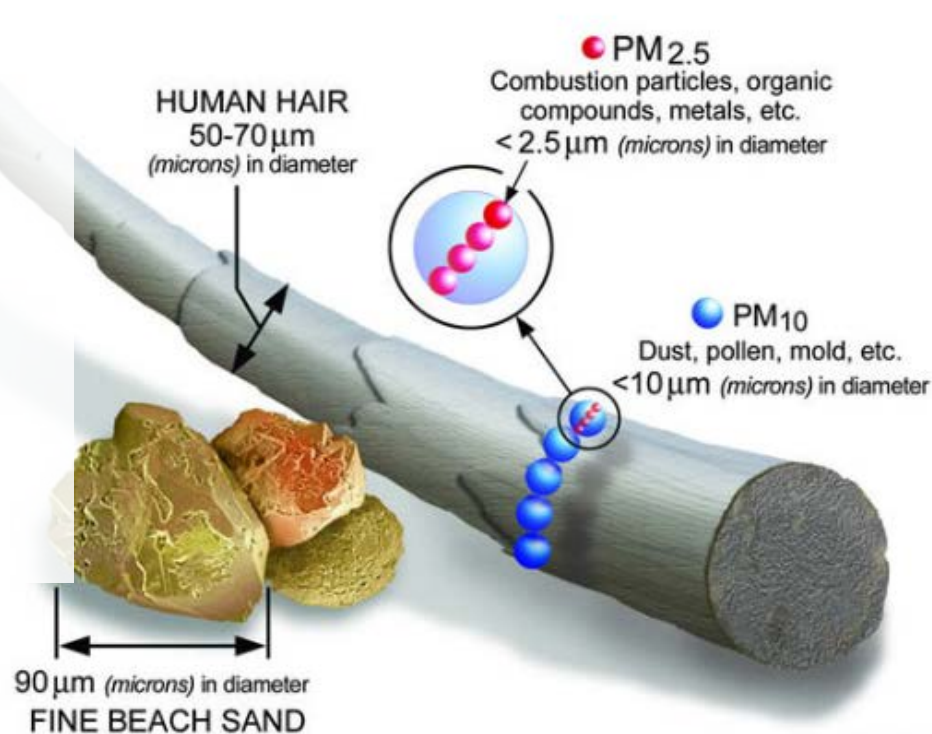
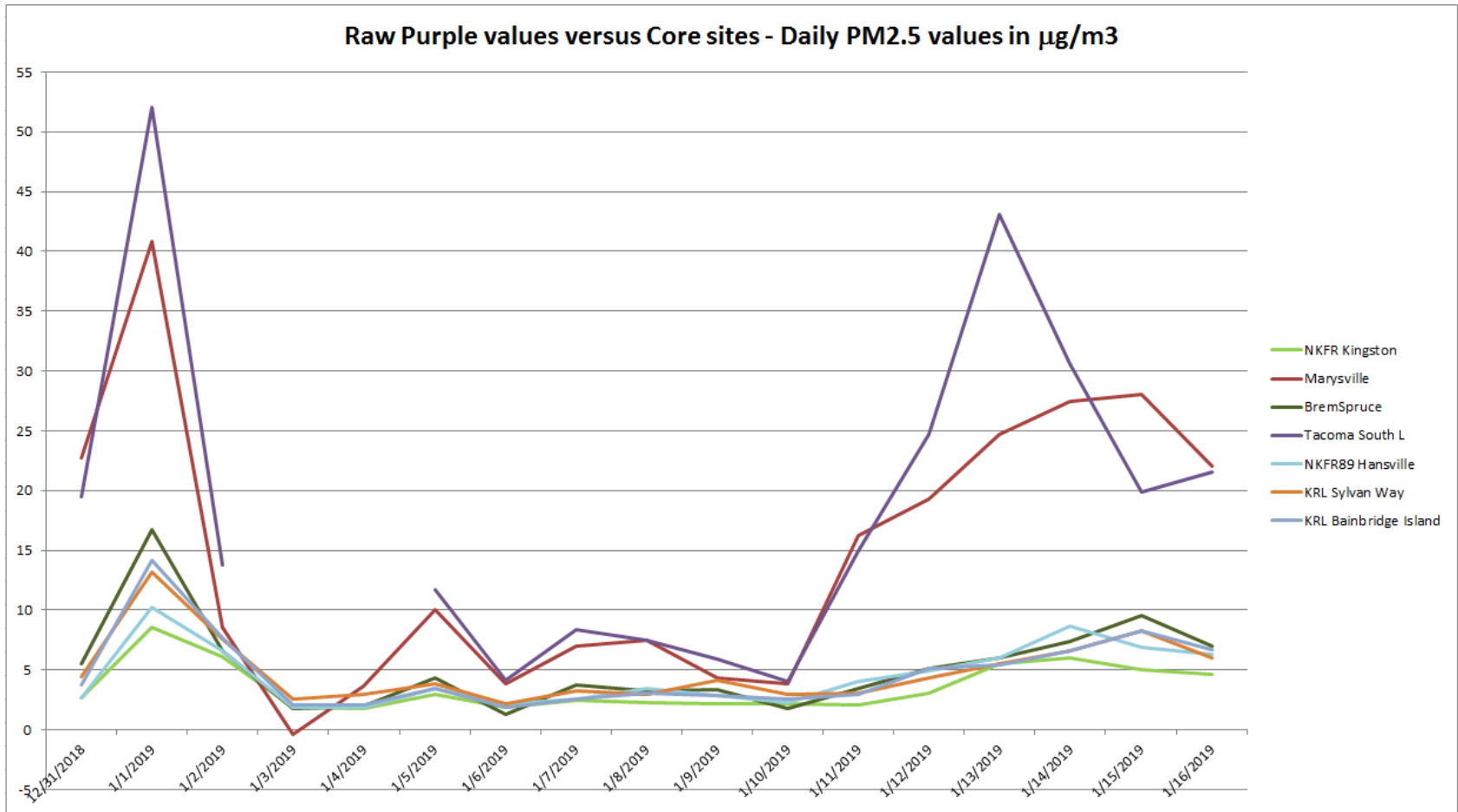


Image courtesy of the U.S. EPA

# INITIAL MONITORING DATA



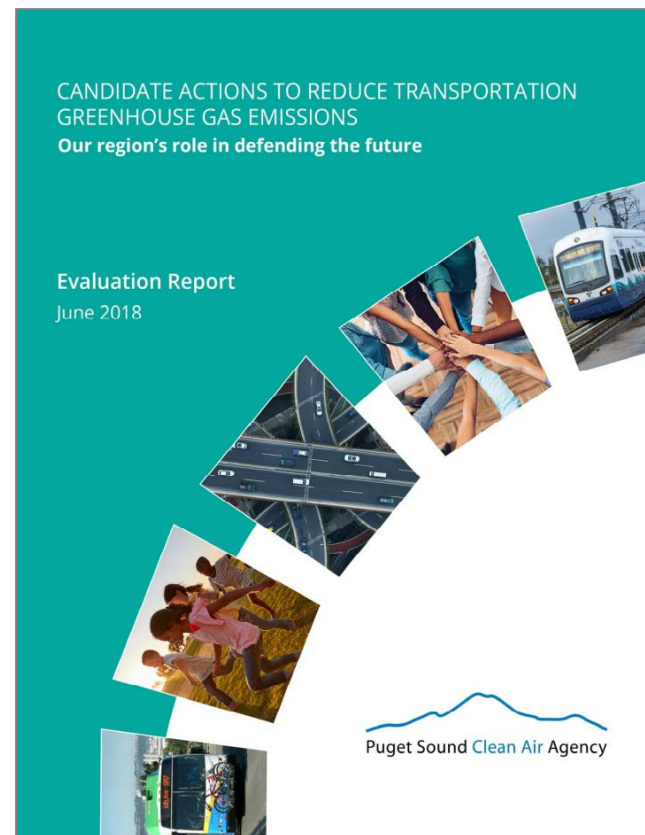
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## INITIAL SUMMARY

- Kitsap County has consistently met air quality goals
  - Data confirms this fact.
- Data also confirms there are air quality pockets that are degraded by burning, but they are small.
- Will continue study at least through the summer, and likely beyond.

# WHY A CLEAN FUEL STANDARD?

- Largest impact on GHGs of actions considered
- High certainty of emissions reductions
- Air quality benefits



# A CLEAN FUEL STANDARD WOULD:

- Provide certainty for GHG reductions
- Allow market to find best solutions
- Have largest impact of all known options
- Improve air quality and public health





# WHAT IS A CLEAN FUEL STANDARD?

- A progressively stronger standard for greenhouse gas (GHG) emissions from transportation fuels.
  - 10% reduction within 10 years
- Applies to transportation fuel importers and producers

# HOW A CLEAN FUEL STANDARD WORKS

## 1. Establishes a 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



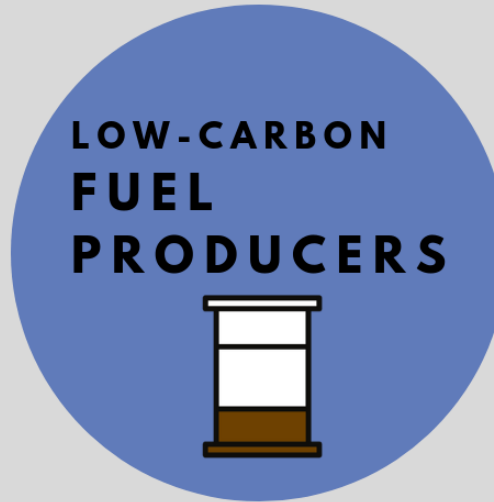
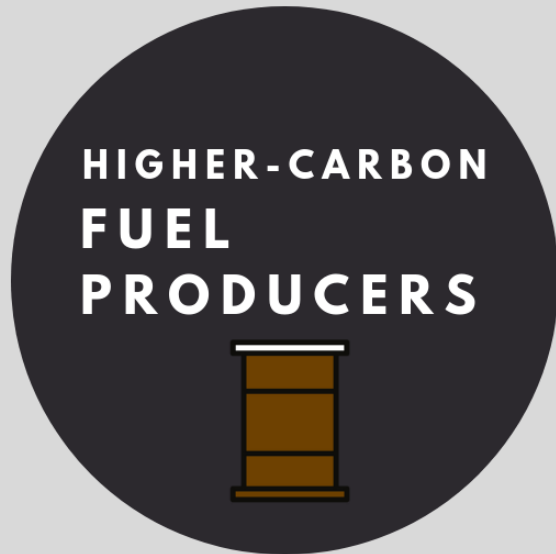
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# CLEAN FUEL STANDARD

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How it works

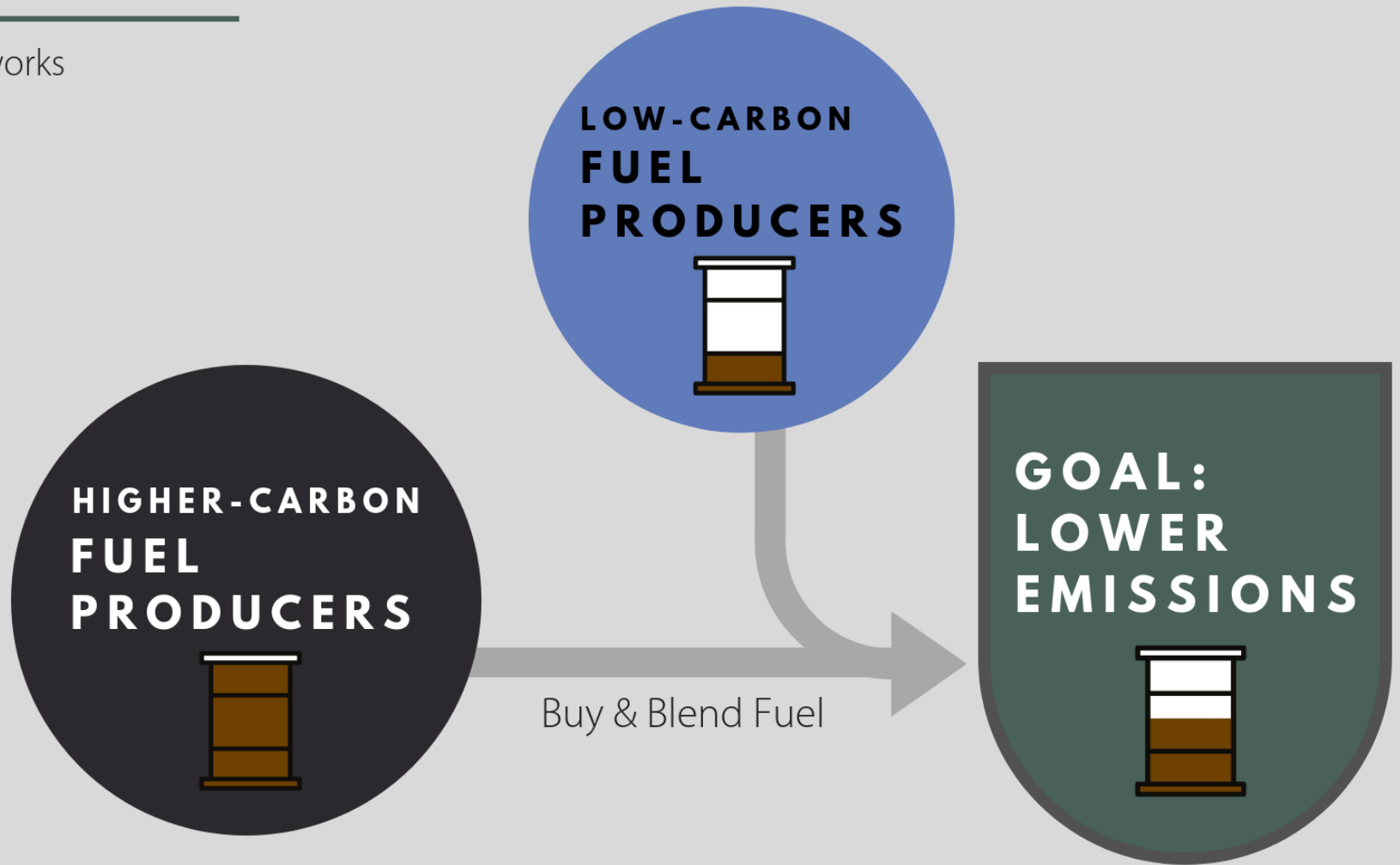


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# CLEAN FUEL STANDARD

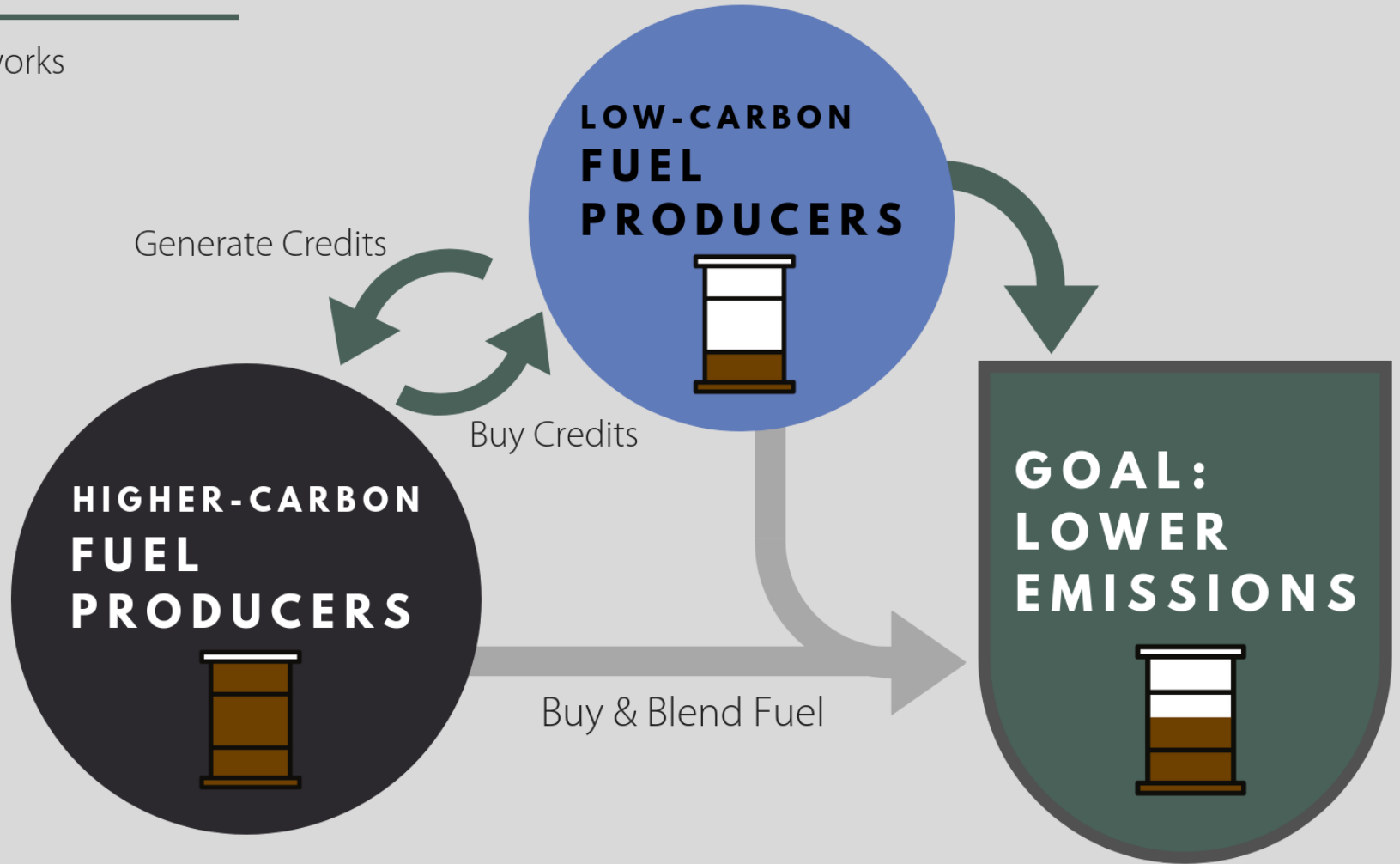
How it works



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# CLEAN FUEL STANDARD

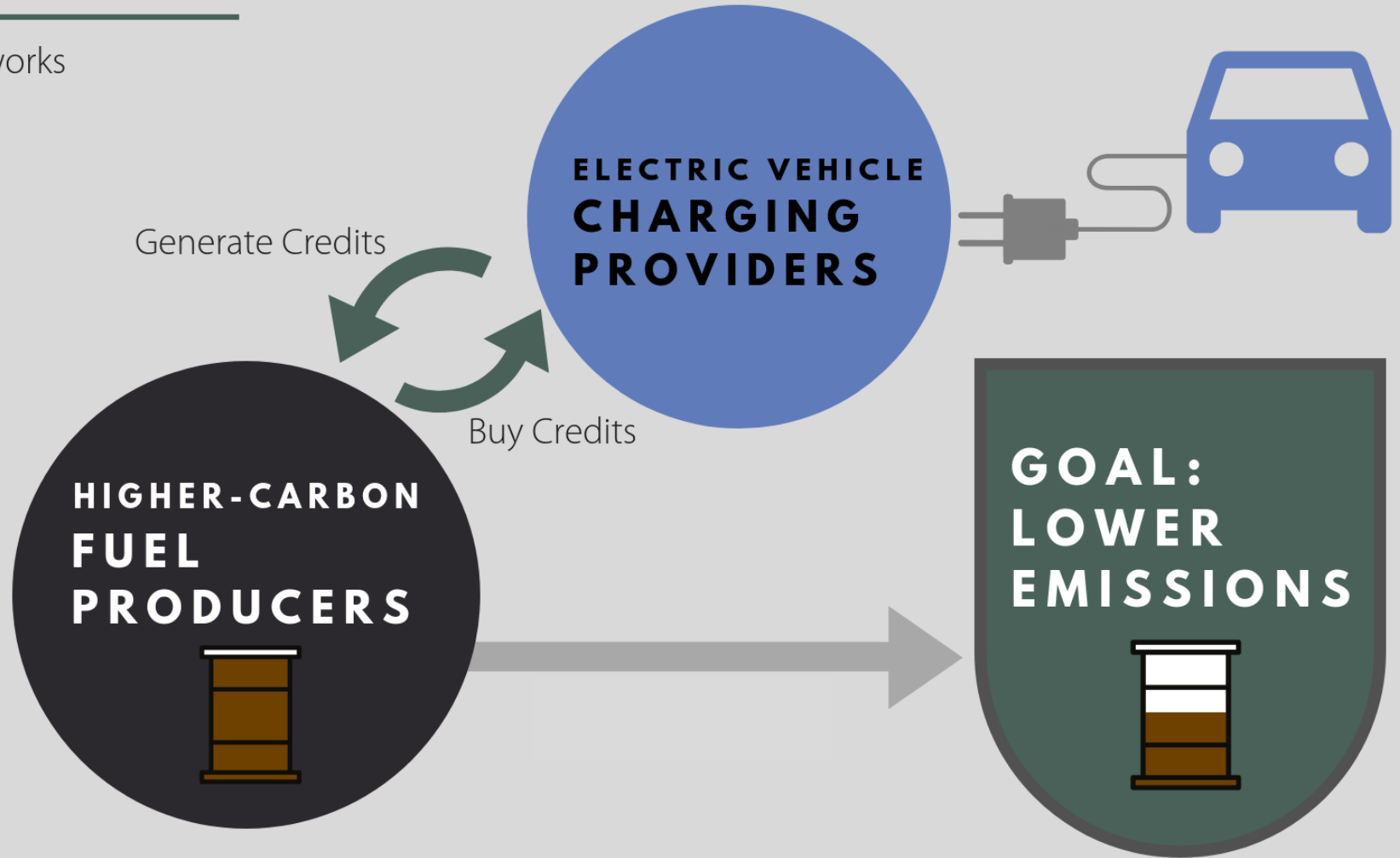
How it works



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# CLEAN FUEL STANDARD

How it works



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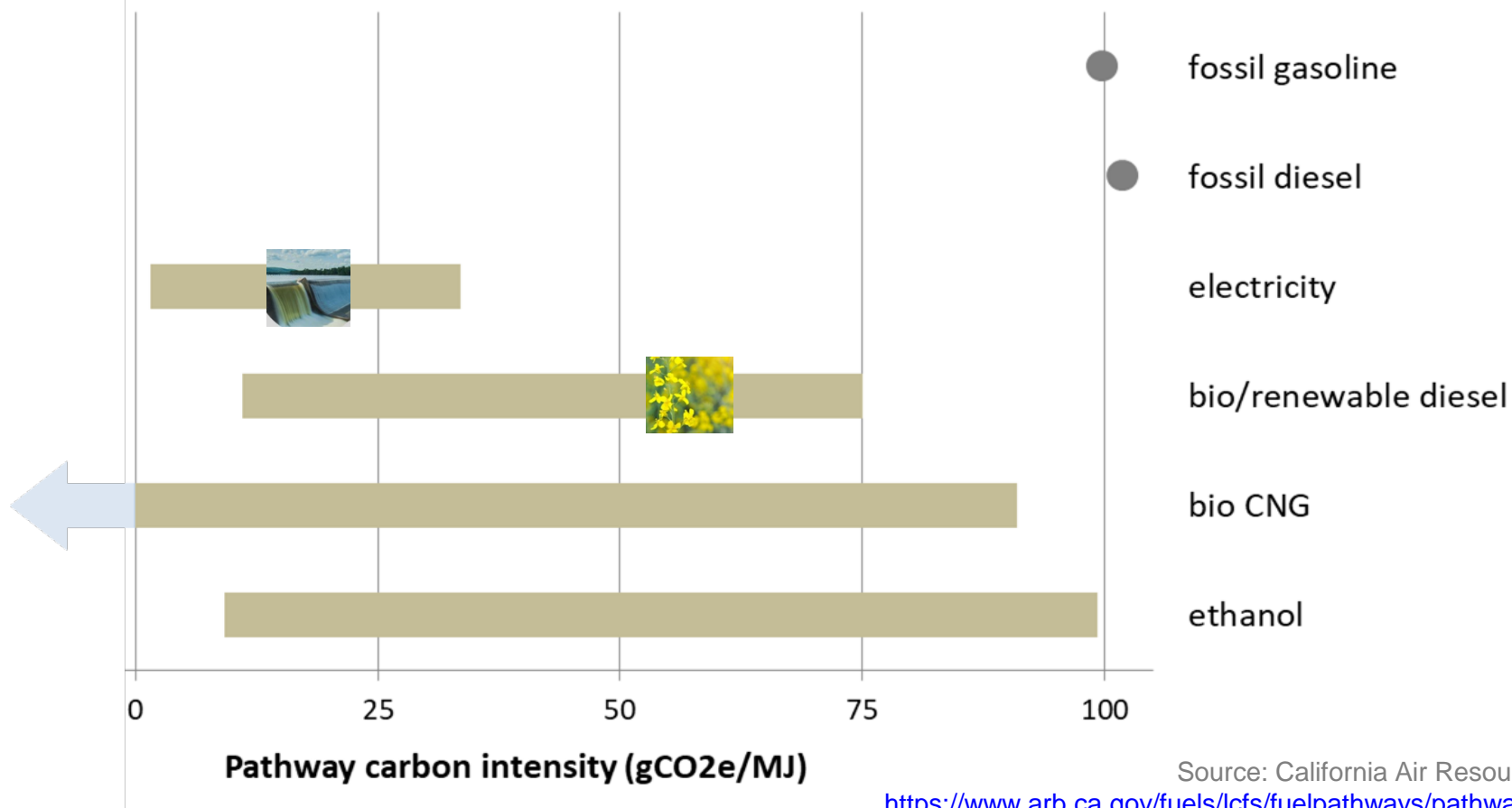
## WHO RECEIVES CREDITS?

- Low carbon fuel producers: biofuel/biodiesel
- Electric vehicle (EV) charging station providers
  - Hosts of EV charging stations at a business or workplace
  - Public and private fleets with EVs
  - Transit agencies with electric buses
  - Electric utilities



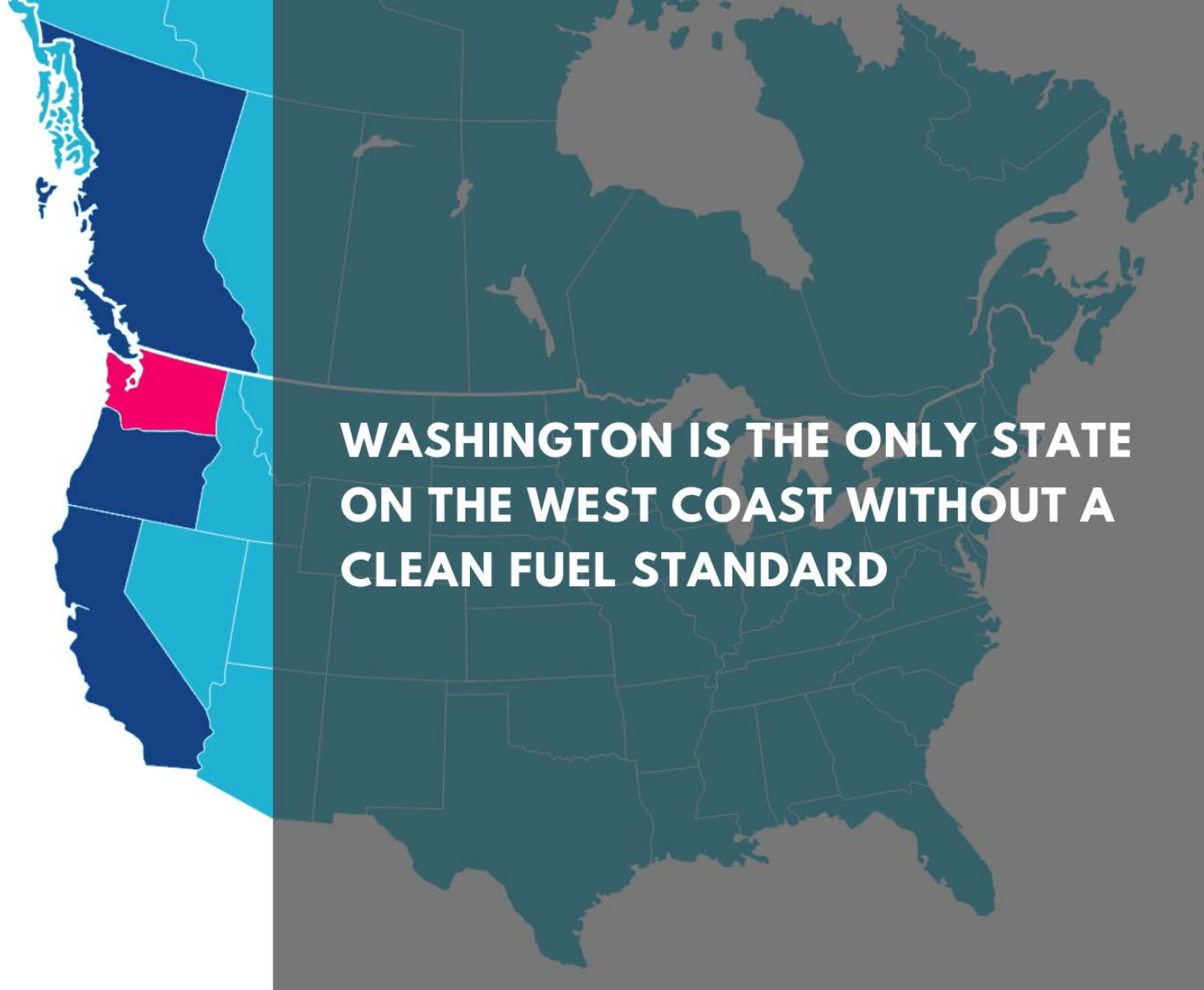
# RANGE OF CARBON INTENSITIES

Carbon intensity range of California's current pathways



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

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# HIGH-LEVEL ECONOMIC IMPACTS

- Less fossil fuels imported to the state – more fuel spending stays in-state
- Increased EV charging infrastructure
- More in-state processing capacity and expansion of in-state agriculture
- Small increase in gas and diesel prices



# SUMMARY

## A Clean Fuel Standard:

- Serves our Agency mission and goals
- Provides certainty for GHG reductions
- Monetizes and incentivizes improvement
- Uses market to find best fuels and pathways
- Improves air quality and public health



# NEXT STEPS

- Technical analysis:
  - Complete June 2019
  - Potential for fuels and feedstocks
  - Economic and air quality impacts
- Continue rule-making process:
  - Public comment period expected fall 2019



# THANK YOU!

Questions?

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**pscleanair.org/CleanFuelStandard**

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