

# **Climate Change and the West Coast Collaborative**



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**U.S. Environmental Protection Agency**  
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# Transportation and Climate



**Engines**

**Fuels**

**Vehicle  
Miles  
Traveled**

# I. Engine & Vehicle Efficiency



## EPA/DOT GHG & MPG Standards

- Light Duty 2012-2016 (Final Rule: April 2010)
- Heavy Duty Trucks 2014- (Final Rule: July 2011)
- Light Duty 2017 – 2025 (Schedule Coming)

## Vehicle Efficiency

- EPA: NCDC, SmartWay
- DOE \$187M ARRA Vehicle Efficiency Grants



## **II. Fuels (& Electrification)**

- EPA: Renewable Fuel Standard 2
- ARRA Grants
  - DOE: \$2.4B ARRA Battery, Electrification
  - DOE \$300M ARRA Clean Cities

## **III. Vehicle Miles Traveled**

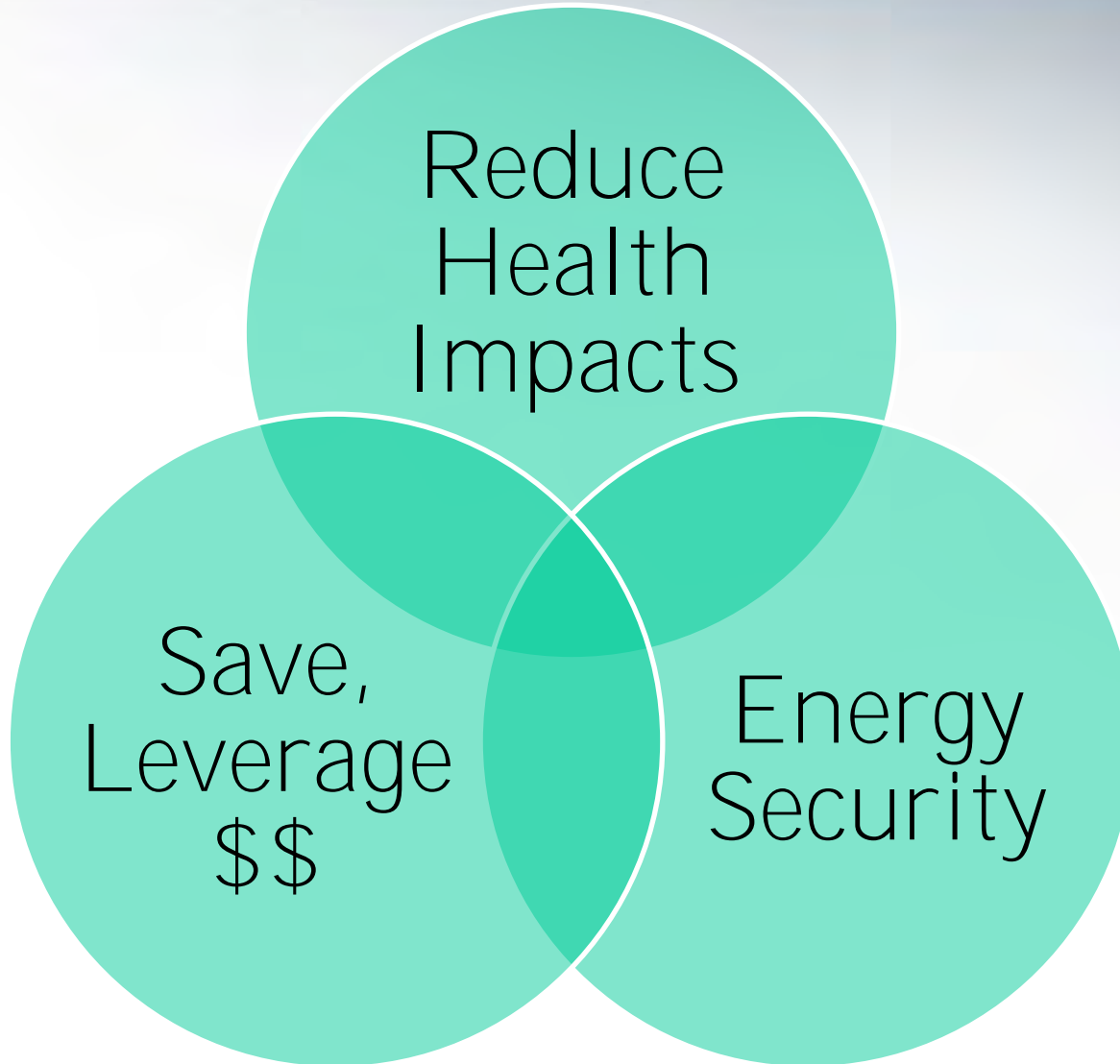
- DOT/HUD/EPA Partnership
  - \$75M Joint DOT/HUD Funding: Integrate Transportation, Housing and Economic Development
- SmartWay Transport

# Climate Collaboration Opportunities

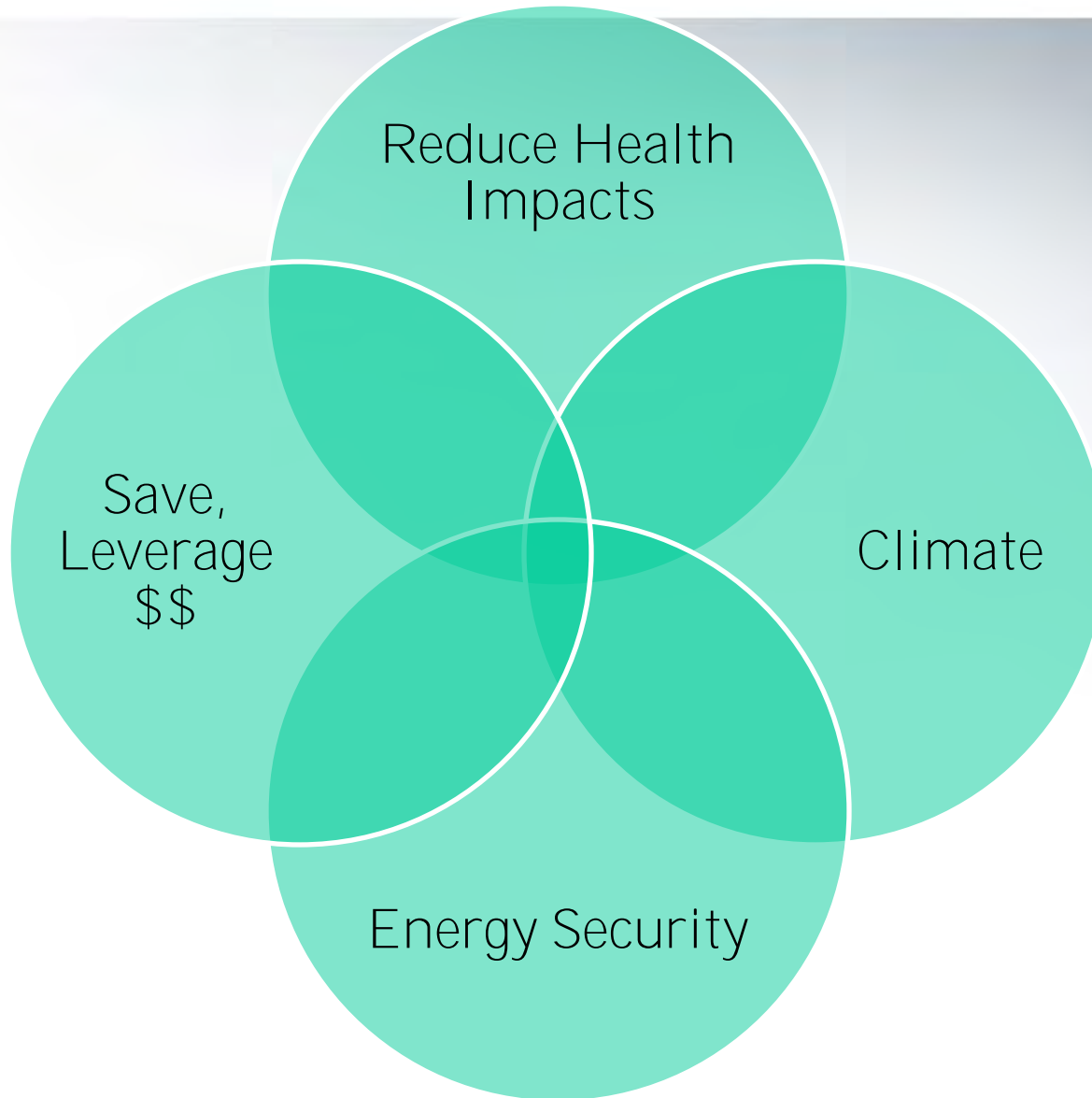


- Black Carbon – Quantify Reductions and Climate Benefit
- Electrification – **Take Advantage of West Coast's** Low Carbon Grid, EV Infrastructure Plans
- Diesel Fuel Reductions – Lower Emissions, Save \$\$
- Lower Carbon Fuels – CNG, Biogas, etc.
- Goods Movement - Also Packaging, Material Reuse

# Common Goals - Historical



# Common Goals - Now



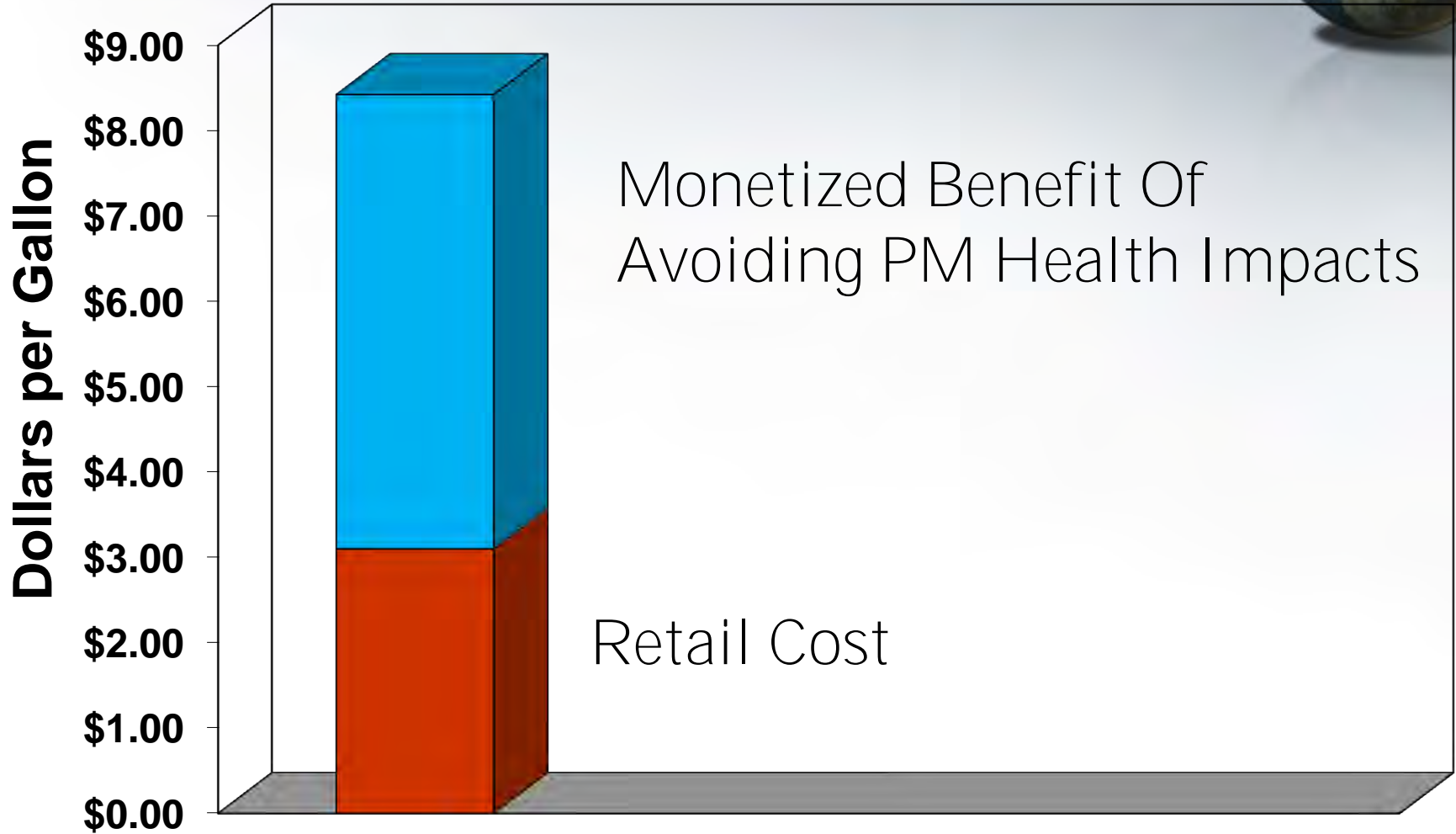
Reduce Health  
Impacts

Save,  
Leverage  
\$\$

Climate

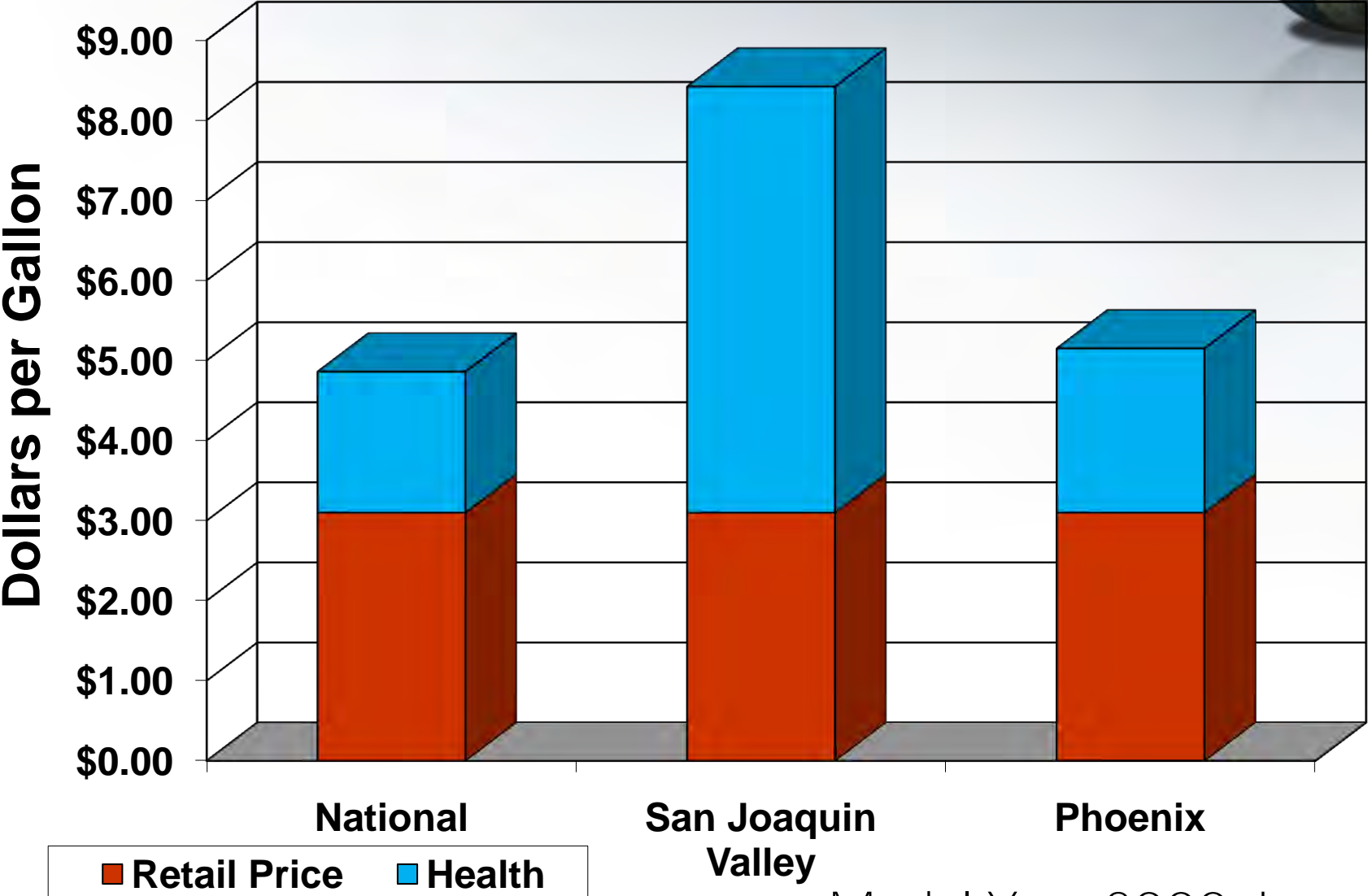
Energy Security

# Diesel Fuel



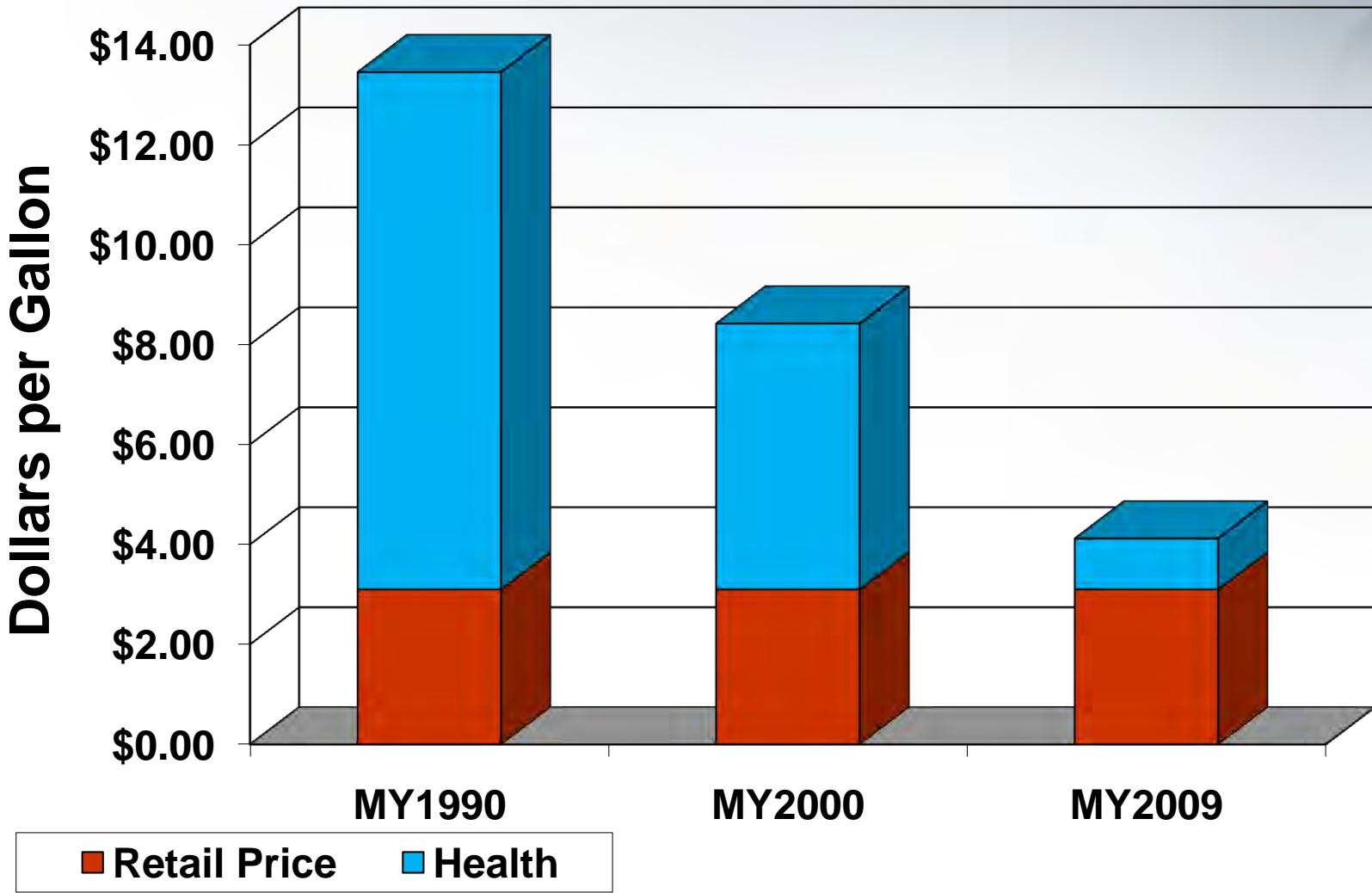


# Diesel Costs – Geographic Variation



Model Year 2000, Long Haul

# Diesel Costs – Model Year Variation



San Joaquin Valley, Long Haul

# Common Goals - Now

