

Coordinating Alternative Fuel Infrastructure

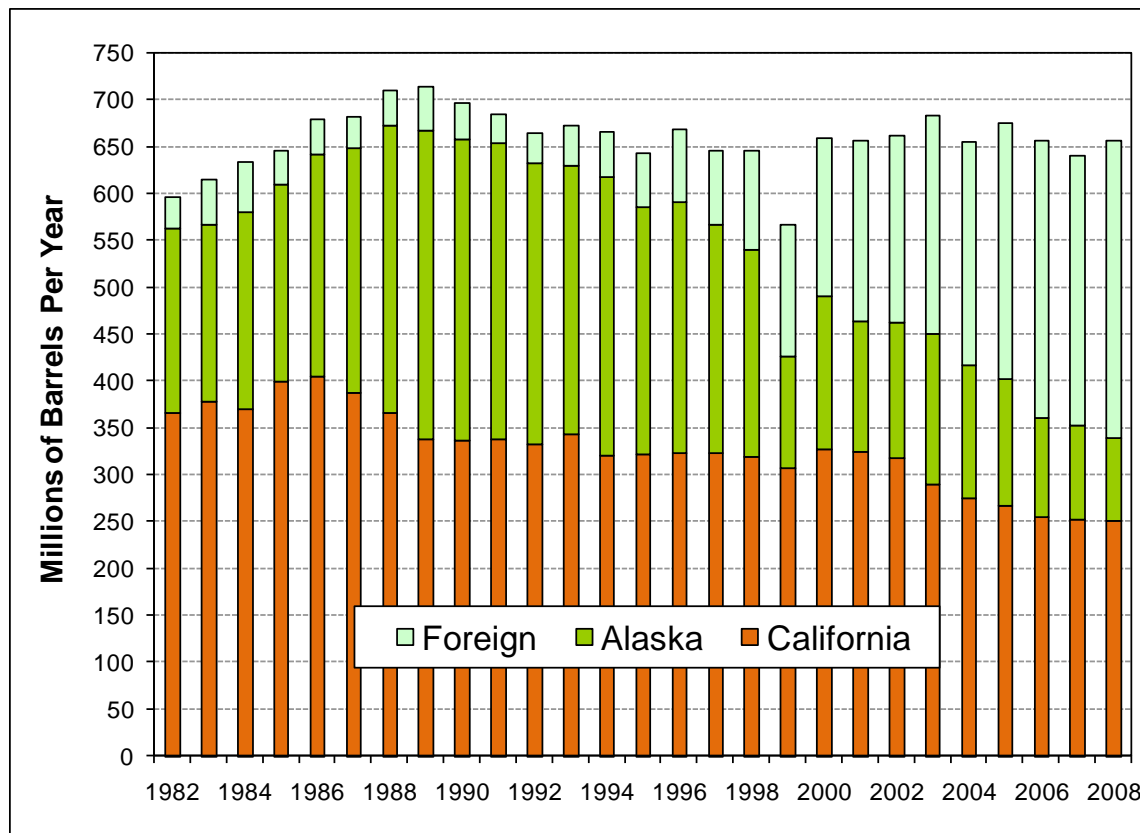
Western Governors' Association
Transportation Fuels Council
Salt Lake City, Utah

June 1, 2010

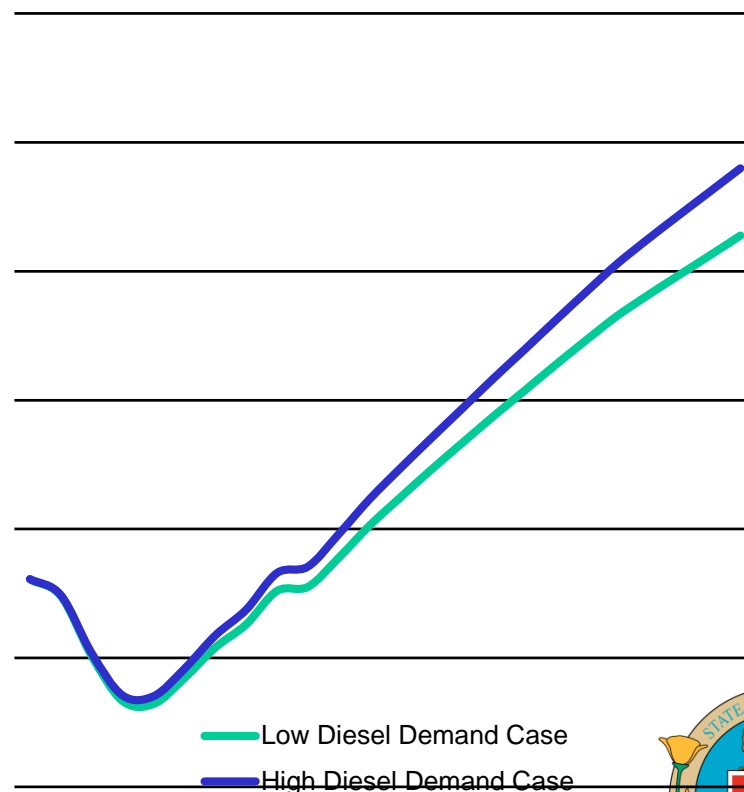
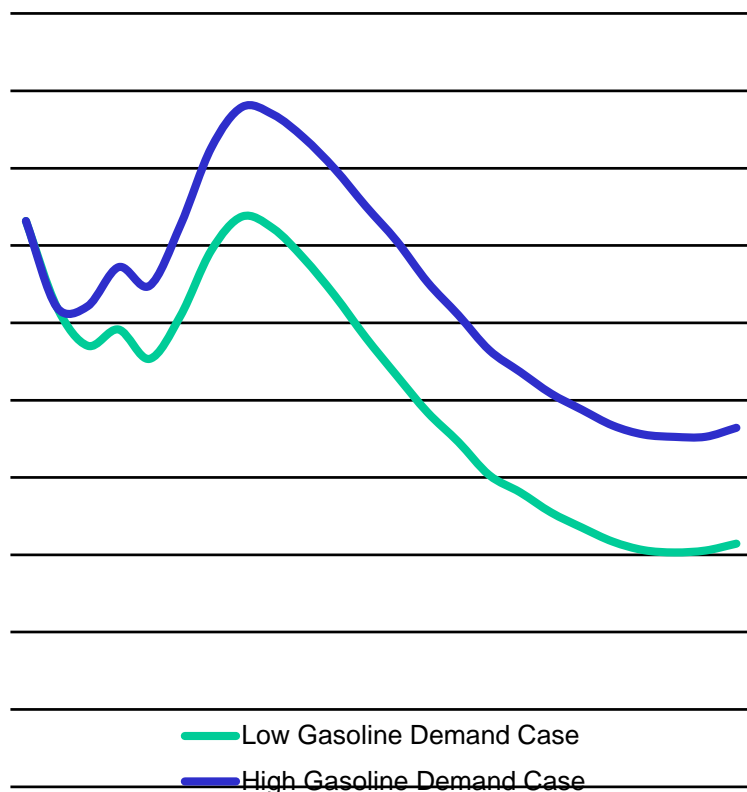
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California Energy Commission
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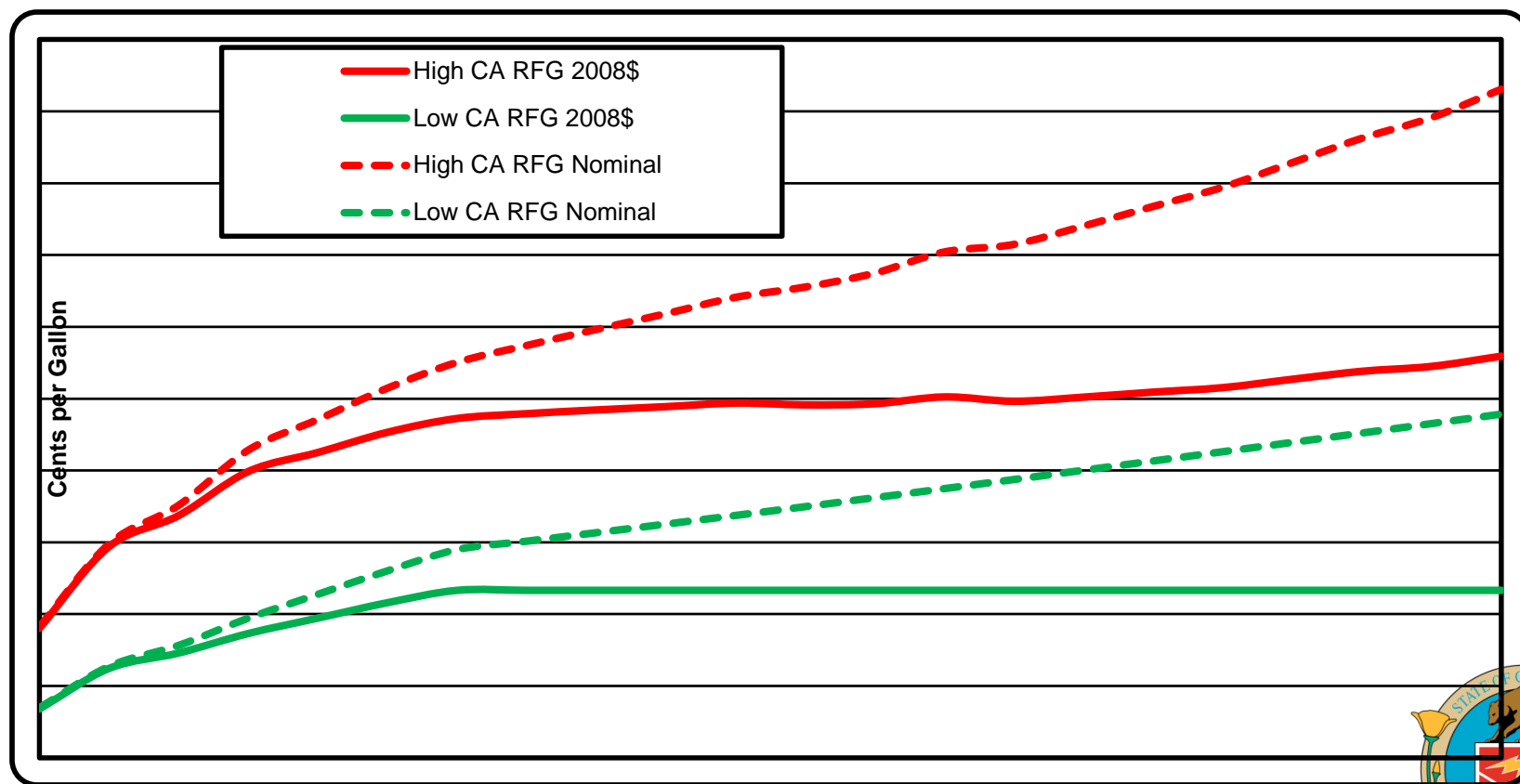
California Crude Oil Imports



California Fuel Demand



California Gasoline Fuel Price Forecast

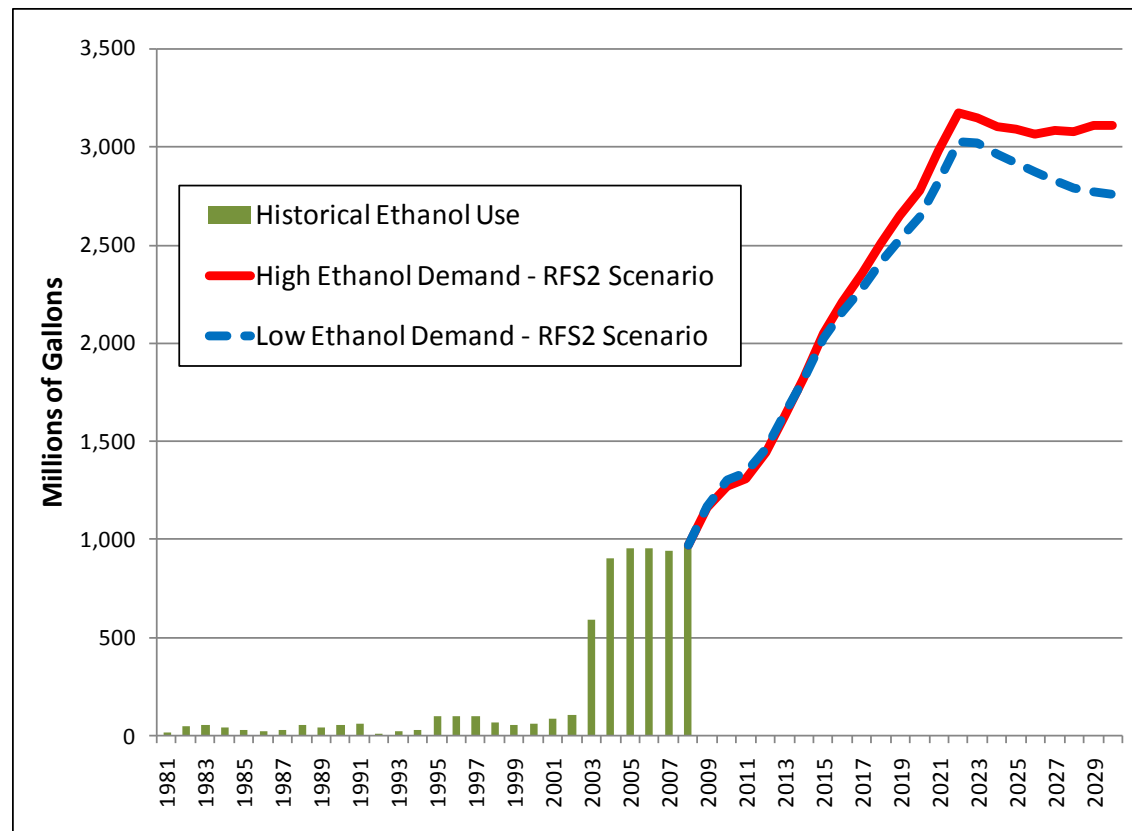


Other Driving Factors/Trends

- Natural Gas Supply Increase
- Renewable Portfolio Standard – Electricity Supply
- Federal Alternative Fuels Incentives
- California Low Carbon Fuel Standard, AB 32 Climate Change Law and Zero Emission Vehicle Mandate
- Renewable Fuels Standard II



California Forecast of Ethanol Use



Key Policy Objectives

Objectives	Goals and Milestones
GHG Reduction	Reduce GHG emissions to 1990 levels by 2020 and 80% below 1990 levels by 2050
Petroleum Reduction	Reduce petroleum fuel use to 15% below 2003 levels by 2020
Alternative and Renewable Fuel Use	Increase alternative and renewable fuel use to 11% of on-road and off-road fuel demand by 2012, 13% by 2017 and 26% by 2022
In-State Biofuels Production	Produce in California 20% of biofuels used in state by 2010, 40% by 2020, and 75% by 2050



AB 118 Program – Infrastructure Funding

- Electric Charge Stations - \$15.85 Million Awarded for Over 4,000 Charge Points
- Ethanol E85 Fueling Dispensers - \$6 Million for 100 Fueling Stations
- Biodiesel Terminal Storage and Blending - \$3.8 Million for Four Facilities
- Natural Gas (CNG and LNG) Fueling Stations - \$8.1 Million for 22 Fueling Stations
- Hydrogen - \$22 Million Solicitation Pending for 8-12 Fueling Systems



AB 118 Infrastructure Funding Proposed in FY 2010-11

- Electric Chargers - \$3 Million
- Ethanol E85 Stations - \$8.5 Million
- Diesel Bulk Storage and Blending Terminals - \$5 Million
- Natural Gas (CNG and LNG) - \$2 Million
- Hydrogen - \$14 Million



Other AB 118 Programs (Covering Two Funding Cycles)

- Vehicle and Component Part Manufacturing - \$26.5 Million
- Medium and Heavy Duty Engine and Vehicle Prototypes and Demonstrations - \$26.5 Million
- Biofuel Production Incentives - \$65.5 Million
- Propane and Natural Gas Vehicle Deployment - \$28.5 Million
- Other Programs - \$30 Million

