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AB 1007 Alternative Fuels Plan

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AB 1007 Legislative and Policy Context

- Petroleum Reduction Goals – AB 2076 Report in 2001 – 2003
 - Reduce On Road Gasoline and Diesel Demand To 15% Below 2003 Levels by 2020
 - Increase Use of Non-Petroleum Fuels To 20% of On Road Fuel Consumption by 2020 and 30% by 2030 Transportation IEPR Recommendations – 2003 and 2005
- Alternative Fuels Plan – AB 1007 of 2005
 - Develop a Plan to Increase the Use of Alternative Fuels in 2012, 2017 and 2022
- Bioenergy Action Plan – Governor's Executive Order in 2006
 - Increase In-State Production of Biofuels to 20% by 2010, 40% by 2020 and 75% by 2050

AB 1007 Status

- Completed Full Fuel Cycle Report and Companion Reports
 - Modified GREET Model for California Conditions
 - Quantified Environmental Footprint of 94 Fuel Pathways
 - Used to Develop Low Carbon Fuel Standard Analysis
 - Advanced “State of the Art” Methodology
 - Established Transparent Process to Update Analysis
- Completed Draft Reports on Alternative Fuel Scenario Storylines
 - Included 3 Growth Options
 - Estimated Market Penetration for 10 Alternative Fuels (2007-2050)
 - Estimated In-State Biofuels Production
 - Characterized Conditions, Circumstances and Assumptions
 - Quantified Capital Cost Requirements and Investment Needed
 - Estimated GHG and Petroleum Reduction
 - Estimated (USDOE) High Fuel Price Forecast For Gasoline and Diesel Fuel
- Completed Survey of Fleet Managers
- Received UC Technical and Policy Reports for the Low Carbon Fuel Standard Analysis
- Received Comments and Insights from 57 Stakeholder Groups and Individuals
- Completed Economic Analysis
- Completed Alternative Fuels Plan with Recommended Actions
- Updated Draft Plan with Errata and Additions

Plan’s Key Conclusions

- No Single Policy Action Can Help Achieve Multiple Goals
- Moderate Growth Of Alternative Fuels Can Achieve
 - AB 2076 Petroleum Reduction Goals
 - Instate Bioenergy Action Plan Goals
 - Partial GHG Emission Reduction Targets
- All Alternative Fuels Are Needed
 - Plausible Mix Includes Contingency Examples