

Summary of Policies and Goals for Alternative Transportation Fuels

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Overview

- Zero Emissions Vehicle Regulations
- Hydrogen Highway Blueprint Plan
- Climate Action Team Report
- Bioenergy Action Plan
- Alternative Fuels Incentives Program
- California Global Warming Solutions Act

Zero Emissions Bus Regulation

- Requires large transit agencies to purchase Zero Emissions Buses (ZEB)
- Requires 15% of new bus purchases to be ZEB
 - Starting in 2008 for diesel fleets
 - Starting in 2010 for alternative fuels fleets

Hydrogen Highway Blueprint Plan

- Phase 1: includes 50-100 hydrogen fueling stations and 2,000 hydrogen vehicles by 2010
- Phases 2 and 3: expand the hydrogen highway to 250 hydrogen fueling stations and 20,000 hydrogen vehicles

Hydrogen Highway Fueling Stations & Vehicles (SB 76)

- Co-fund three public hydrogen fueling stations
- Lease up to 12 hydrogen fueled vehicles by January 2007
- Environmental Goals
 - 30% reduction of greenhouse gases
 - 20% hydrogen production from renewable sources

Hydrogen Fuel Standards (SB 76)

- Adopt hydrogen fuel standards by January 2008
- Use state standard until a standards development organization adopts a standard

Climate Action Team Report

- Develop regulations requiring the use of 2% to 4% biodiesel
- Reduce greenhouse gas emissions
 - .4 MMT by 2010
 - .8 MMT by 2020

Climate Action Team Report

- Increase ethanol use in fuels
- Reduce greenhouse gas emissions
2.7 MMT by 2020

Executive Order for Biofuels

- Maximizes the use of biofuels
- Establishes targets for in-state production of biofuels used
 - 20% by 2010
 - 40% by 2020
 - 75% by 2050

Bioenergy Action Plan

- Provide maximum flexibility for using biofuels
- Evaluate the emissions and performance of biofuels
- Develop fuel specifications for biofuels

Alternative Fuels Incentives Program

- Public and private alternative fuel vehicles and fueling stations, including E-85 stations
- Alternative fuel production incentives
- Grants for research and development
- No funds for fuels derived from petroleum, coke, or coal
- Reduce air pollution & greenhouse gases

Alternative Fuels Incentives Program

- ARB meeting: October 19, 2006
- Solicitations issued: January, 2007
- ARB meeting: May, 2007
- Funds encumbered: June 30, 2007
- Funds expended: June 30, 2009
- Quarterly reports to the Legislature

Executive Order for Climate Change

- Establishes targets for reducing greenhouse gas (GHG) emissions
- Reduce GHG emissions to:
 - 2000 level by 2010
 - 1990 level by 2020
 - 80% below 1990 level by 2050

California Global Warming Solutions Act (AB 32)

- Adopt a list of early action measures by July 1, 2007; implement by 2010
- Establish a statewide GHG emissions cap for 2020 by January 1, 2008
- Adopt mandatory reporting rules for GHG sources by January 1, 2008
- Adopt a plan by January 1, 2009
- Adopt regulations to reduce GHG emissions by January 1, 2011