

Surface Transportation GHG Reduction Strategies Framework

GHG
Reduction
Groups

Vehicle
Efficiency

Low-Carbon
Fuels

VMT Moderation or Reduction

Vehicle/System
Operations

Construction,
Maintenance,
Operation, and
Administration
of
Transportation
System

Key
Strategy
Clusters

Vehicle
Technology

Fuel
Technology

Pricing

Transportation
Alternatives

Mode Shift

Operational
Efficiency

Caltrans'
Business
Activities
(Construction,
Facilities, Fleet,
etc.)

Strategies

California Air Resources Board
Vision for Clean Air Model
The department shall address
how the state will achieve
maximum feasible
emissions....as required by AB
32 and 80 percent below 1990
level by 2050, taking into
consideration the use of new
vehicle technology. (SB 391)

California Air Resources Board
Vision for Clean Air Model
"The department shall
address how the state will
achieve maximum feasible
emissions....as required by AB
32 and 80 percent below 1990
level by 2050, taking into
consideration the use of
alternative fuels. (SB 391)

VMT fee, Congestion/Cordon
pricing, Tolling, Carbon taxes,
Pay-as-you-drive insurance,
Park fees, Reduce parking
capacity

Telecommuting, Alternative
Work Schedules,
Carpool/vanpool programs for
both work and non-work
trips, Car sharing programs

Mode shift Incentives by
greater investments
*Passenger: Transit, Bike,
Ped, HSR expansion
*Freight: Rail, Air, Marine
cargo expansion

Ramp metering, HOV and HOT
Lanes, Lowered speed limits,
Speed enforcement, Design
of highways to reduce high
speeds and low speeds,
Roundabouts, ITS, Eliminate
bottlenecks, Truck only lanes

ORIP's Climate Change Branch
accounting for this.