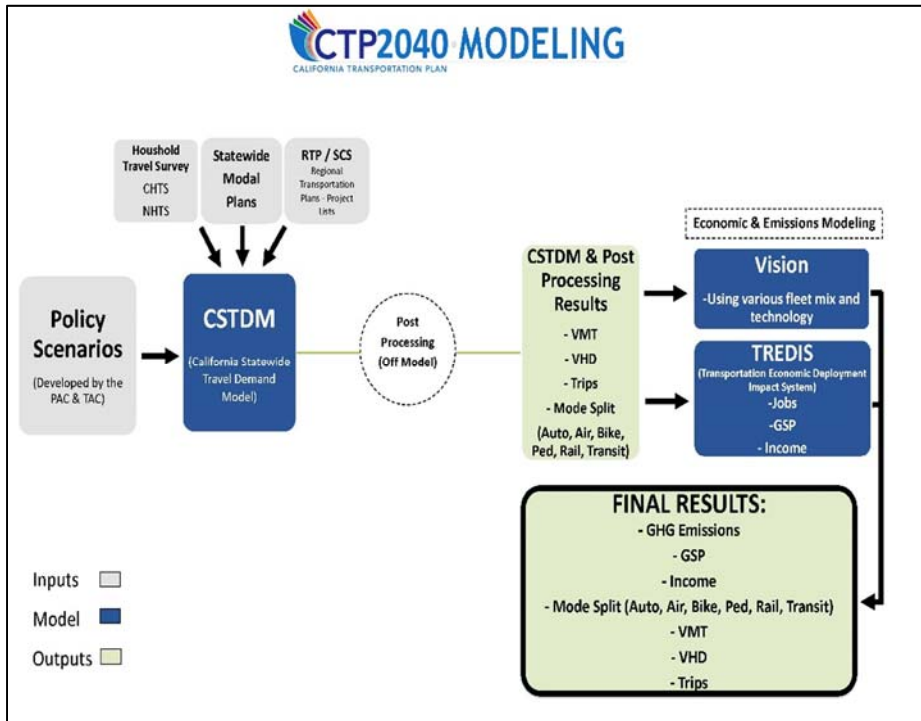


CTP 2040 MODELING THEORETICAL TRANSPORTATION SCENARIOS



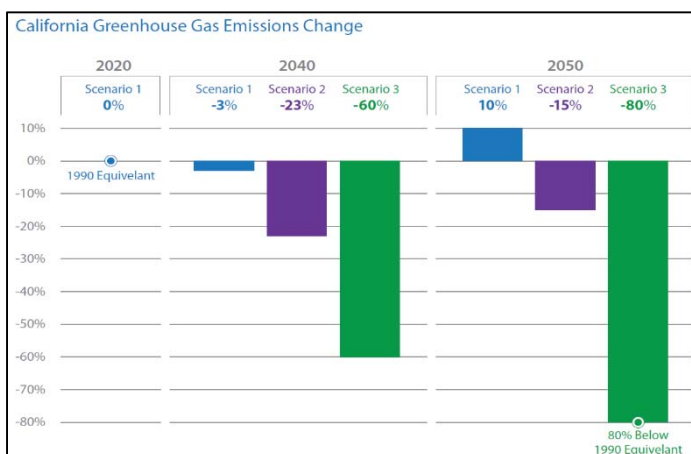
CTP 2040 MODELING PROCESS

The CTP 2040 modeling process incorporates input data from socioeconomic sources, long-range transportation planning documents, and policy scenarios. The data was processed through a group of modeling tools to estimate projected future impacts of transportation-related strategies on statewide greenhouse gas (GHG) emissions, system performance, and economic activity. The analysis includes the following modeling tools: California Statewide Travel Demand Model (CSTDM), Emission FACTors model (EMFAC) and Vision for Clean Air (VISION), and Transportation Economic Demand Impact System (TREDIS) Model.

CTP 2040 TRANSPORTATION SCENARIOS

The CTP 2040 includes three transportation scenarios that utilize a cumulative process where each builds upon the prior scenario. Starting with a 2010 base year, each CTP 2040 scenarios provides an in-depth analysis of future travel behavior and the expected vehicle miles traveled (VMT) and GHG emission levels for the years 2020, 2040 and 2050.

Scenario 1 Planned Future Condition	Scenario 2 Statewide Transportation Efficiency Strategies	Scenario 3 New Clean Vehicle Fuel and Technologies
Includes transportation improvements and land use changes linked with Regional Transportation Plans and Caltrans modal plans.	Includes transportation efficiency strategies designed to reduce GHG while increasing mobility for all travel modes.	Includes clean vehicle fuel and advanced vehicle technology improvements to achieve the 2050 statewide GHG reduction targets.



CTP 2040 MODELING OUTCOMES

The plan describes how California could fare if it adopts one of three scenarios.

- Transportation Scenario 1 would yield a relative GHG gain of 10 percent by 2050.
- Transportation Scenario 2 would lead to a relative 23 percent GHG reduction by 2040 and 15 percent by 2050.
- Transportation Scenario 3 shows the state meeting the required 80 percent reduction in GHG emissions by 2050.