



2030 Target Scoping Plan Update - Reference Scenario

January 15, 2016



Reference Scenario Overview

- Existing policies and programs that inform greenhouse gas (GHG) and economic analysis
- Policies that are currently being implemented
- Used to evaluate GHG emissions through 2030 in the absence of new action

Reference Scenario Overview (cont.)

- ▣ Identification of existing analyses to inform inputs to PATHWAYS where possible
 - ▣ CEC Integrated Energy Policy Report (IEPR)
 - ▣ ARB Vision Model
 - ▣ Mobile Source Strategy Discussion Draft
 - ▣ CPUC Long Term Procurement Plan (LTPP)

Reference Scenario Policies Energy and Energy Efficiency

Policy	PATHWAYS	IEPR	Vision	REMI
Renewables Portfolio Standard (RPS)	X			
Customer Side Solar Programs	X	X		
Cap-and-Trade		X		X
California Building EE Standards	X	X		
California Appliance Efficiency Regs.	X	X		
Utility EE Programs	X	X		
Green State Buildings Executive Order		X		
California Green Building Standards		X		

Reference Scenario Policies Transportation

Policy	PATHWAYS	IEPR	Vision	REMI
Light-Duty Vehicles: AB1493 Clean Car Standards, Advanced Clean Cars (ACC), Zero Emission Vehicles (ZEV) Action Plan	X		X	
Heavy-Duty Vehicles: Phase 1 Heavy-Duty GHG, Truck and Bus Rule, Drayage Regulation, Tractor-Trailer Regulation	X		X	
Maritime: Ocean-going Vessels Reg., Commercial Harbor Craft Reg.			X	
High Speed Rail	X		X	
SB99 Active Transport	X		X	
SB375 Sustainable Communities	X		X	
Low Carbon Fuel Standard (LCFS)	X		X	

Reference Scenario Policies

Additional Policies

- Additional Reference Scenario policies to consider:
 - *Water and Waste sector:* Water Conservation Act of 2009 (SBX7-7), Landfill Methane Control Measure, others
 - *Natural and Working Lands:* AB1492, Sustainable Agricultural Land Conservation (SALC) Program, State Water Efficiency and Enhancement Program (SWEEP), others
 - *Energy and Transport:* SB1368 Emission Performance Standards (EPS), SB1122 Bioenergy Feed-in Tariff, Renewable Fuel Standard, Energy Savings Assistance Program, Weatherization Assistance Program, Affordable Housing and Sustainable Communities Program, etc.

Reference Scenario Policies

Next Steps

- Consideration of additional policies will include:
 - Existing modeling initiatives (i.e., LTPP, IEPR, Vision)
 - Feasibility to forecast changes in technology deployment or cost, or energy demand
- Modeling and analysis will continue in 2016
- Collaboration with sister agencies to ensure comprehensive policy modeling without double counting

Next Steps: Tentative Schedule

- ▣ Technical and Econ Workshops – Winter to Mid 2016
 - ▣ Economic/environmental analyses
- ▣ Regional workshops – Winter to Spring 2016
 - ▣ Bay Area, Los Angeles, Central Valley
- ▣ EJAC Meeting – Early February 2016 (tentative)
- ▣ Draft 2030 Target Scoping Plan – Spring 2016
 - ▣ 45-day informal comment period prior to Board hearing on draft
- ▣ Final 2030 Target Scoping Plan presented to Board – Fall 2016

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Public Comments

- ▣ Please provide comments by January 29, 2016
- ▣ Links to submit both written comments and view all comments received can be found at:

<http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm>

Questions and Comments