

SB 375 Target Update

Air Resources Board Meeting
Informational Update
March 23, 2017

California Environmental Protection Agency

 **Air Resources Board**

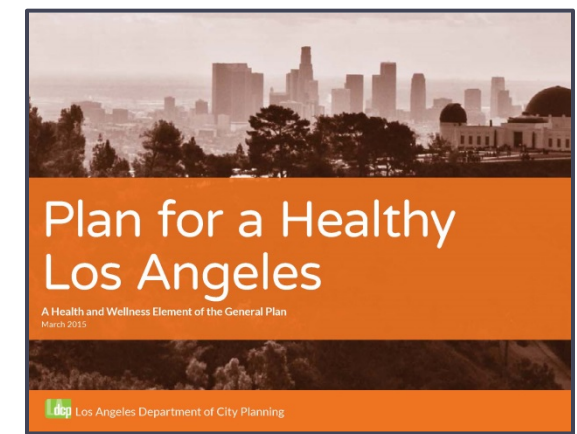
Outline

- **SB 375 Overview & SCS Implementation**
- **Target Update Considerations**
- **Preliminary Discussion Target**
- **SB 375 & the Scoping Plan**
- **Next Steps**

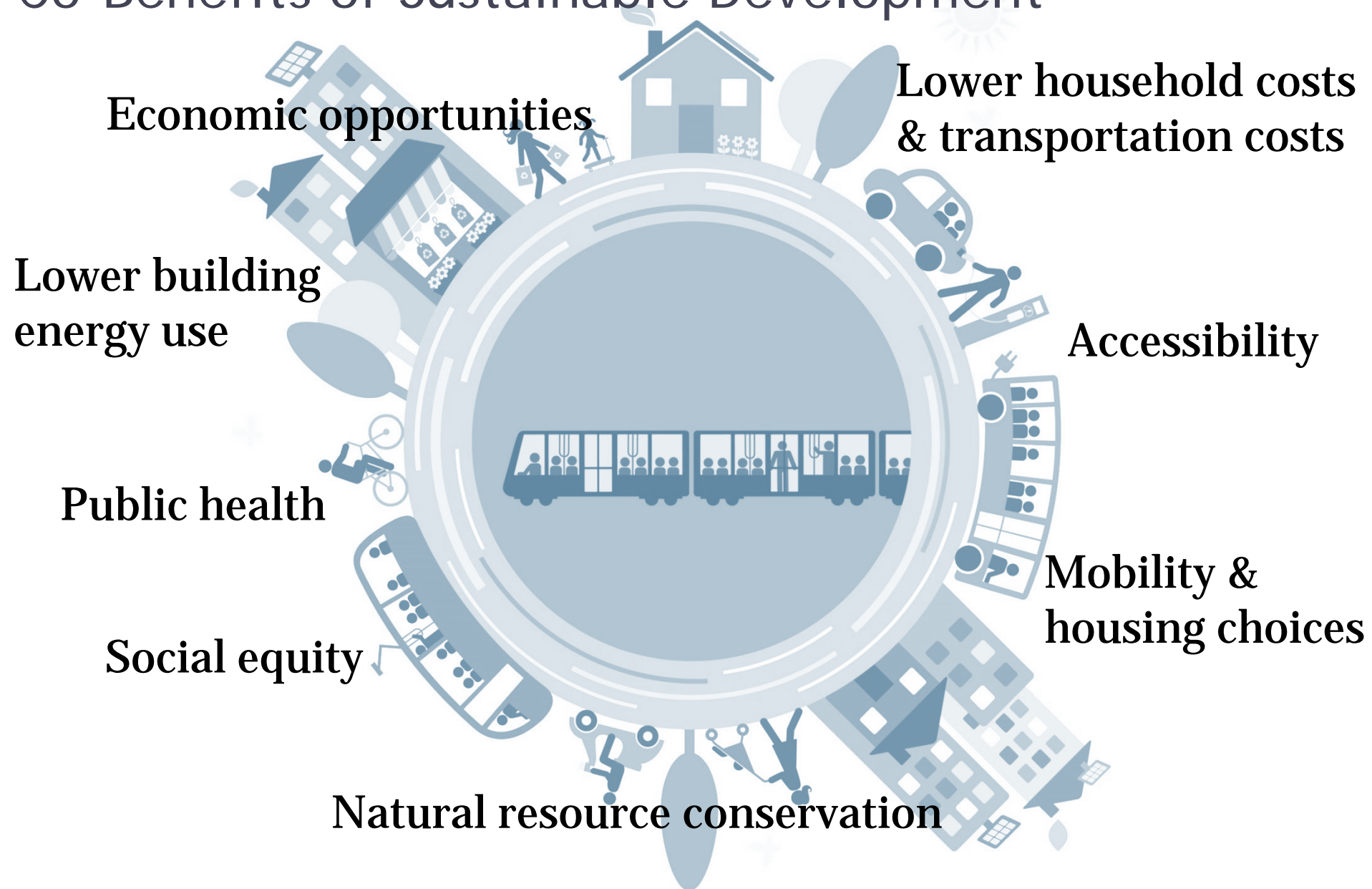
SB 375 Overview

- **Metropolitan Planning Organizations (MPO) develop Sustainable Communities Strategies (SCS)**
 - Identify land use and transportation strategies to meet GHG reduction targets
 - Prepare Alternative Planning Strategies if not able to meet targets
- **ARB must**
 - Set targets for 2020 and 2035
 - Review SCSs to determine whether they would meet the target, if implemented

SCS Strategies & Implementation



Co-Benefits of Sustainable Development



Public Health Co-Benefits

- Initial review of methodologies for Scoping Plan public health co-benefits indicates strong contribution from strategies that increase active transportation
- ARB staff working with California Department of Public Health to quantify health benefits.
 - Integrated Transport and Health Impact Model (ITHIM)

ARB Research

- SB 375 indicator project
- Displacement and gentrification
- VMT/GHG impacts of ridesourcing/sharing
 - Strategy guidance for maximizing environmental benefits (e.g. first/last mile connection to transit)
- Electric vehicle travel and charging behavior

SB 375 Target Update Process

A decorative graphic consisting of a solid teal horizontal bar that spans the width of the slide. Below this bar, on the right side, there are several horizontal lines of varying lengths and colors, including teal and white, creating a stepped or layered effect.

Regional GHG Reduction Targets

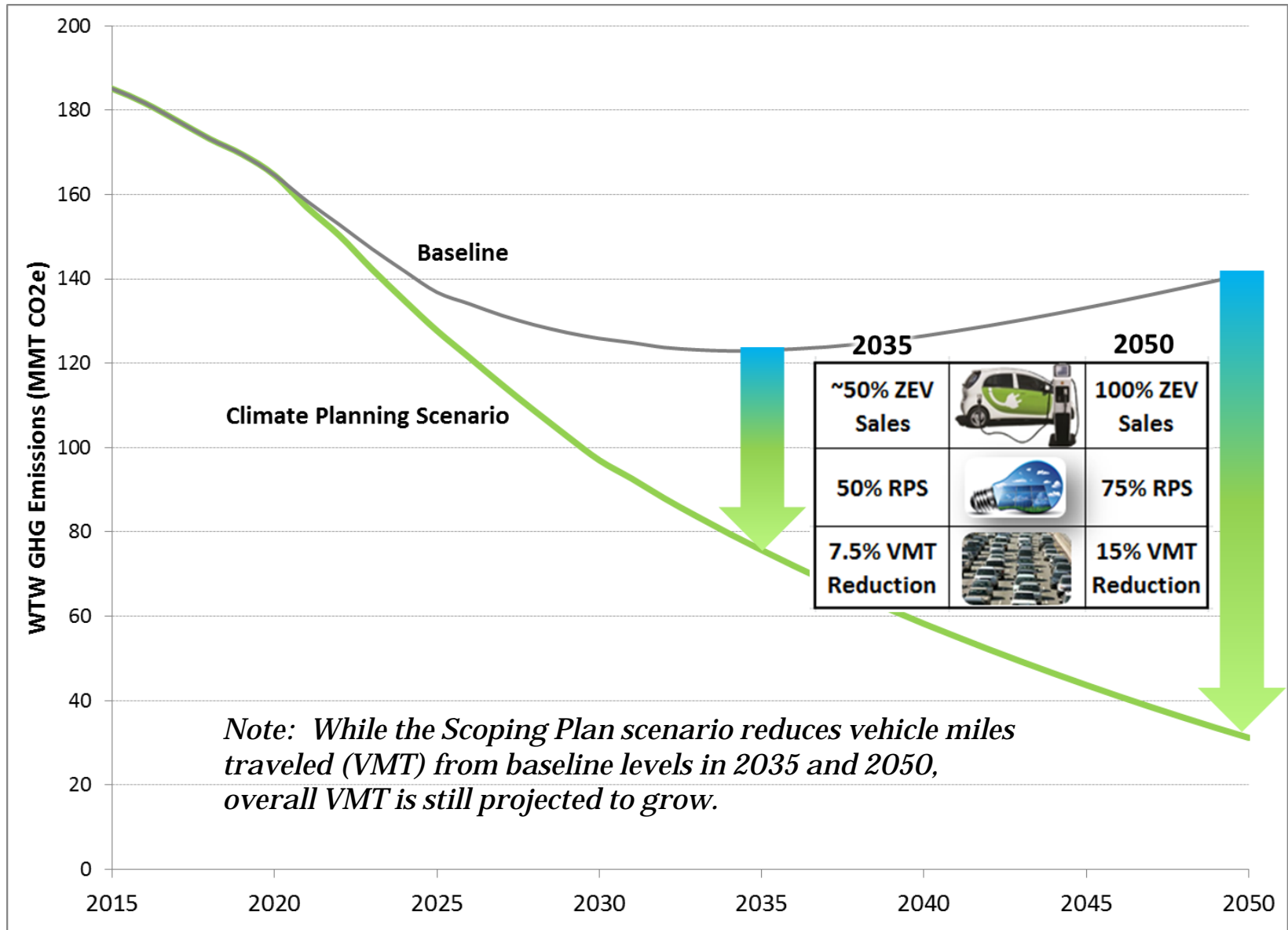
- Originally adopted in 2010
- ARB must update targets every 8 years
- Targets set for each region at a percent reduction of passenger vehicle GHG emissions per person from 2005 levels

Target Update Considerations

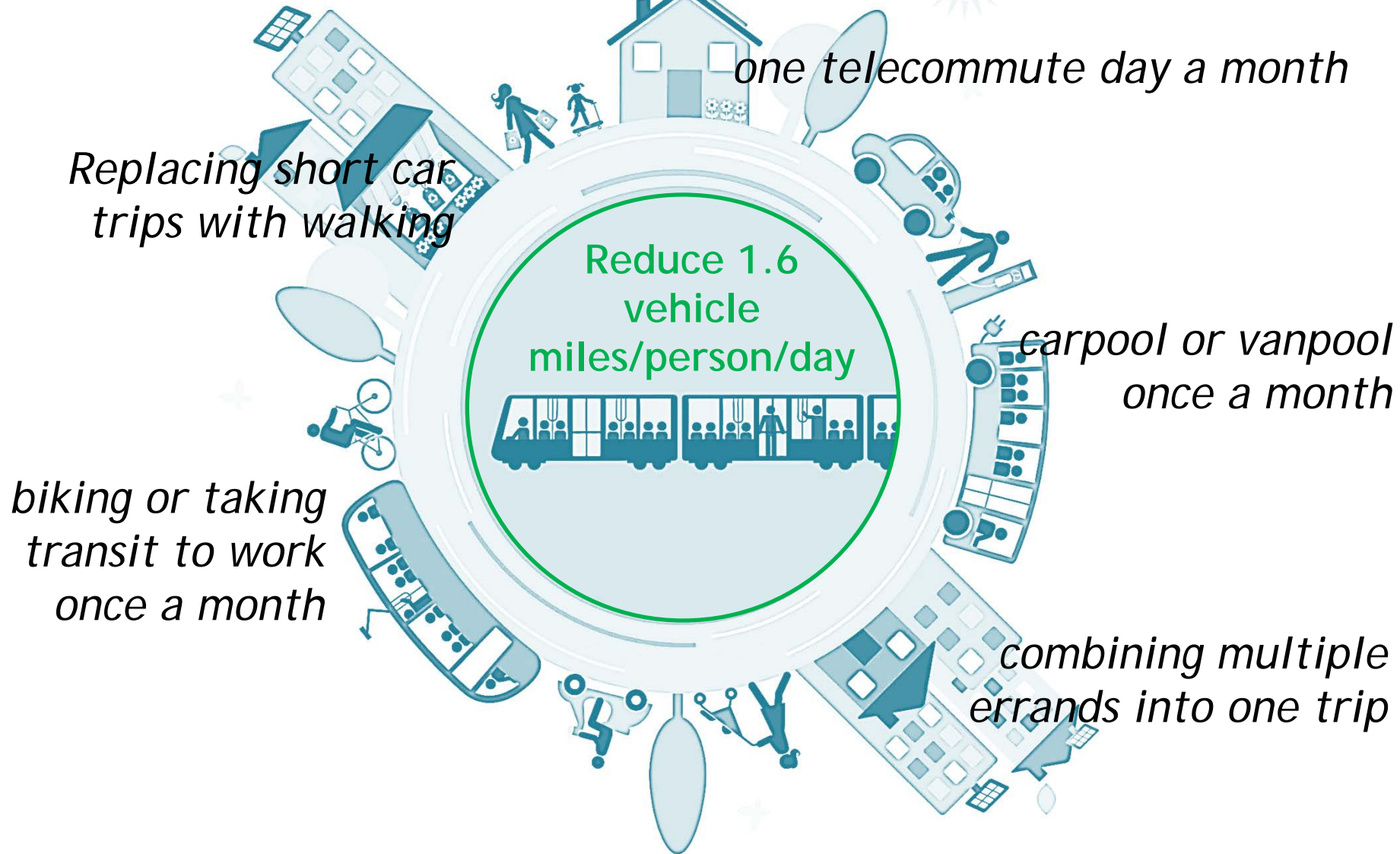
- **Progress to date**
- **2017 Climate Change Scoping Plan Update**
- **MPO technical analysis and recommendations**
- **Stakeholder consultative process**
- **Workshop feedback**

MPO	Current Target		SCS Planned Performance	
	2020	2035	2020	2035
SACOG (Sacramento)	-7%	-16%	-7.6%	-16%
SANDAG (San Diego)	-7%	-13%	-15%	-21%
SCAG (Southern California)	-8%	-13%	-8%	-18%
MTC/ABAG (San Francisco Bay Area)	-7%	-15%	-10%	-16%
Fresno COG	-5%	-10%	-9%	-11%
Kern COG			-9%	-13%
Kings CAG			-5%	-12%
Madera CTC			-	-
Merced CAG			-	-
San Joaquin COG			-12%	-14%
Stanislaus COG			-12%	-14%
Tulare CAG			-13%	-15%
Butte CAG	1%	1%	-2%	-2%
Monterey Bay (AMBAG)	0%	-5%	-3.5%	-5.9%
San Luis Obispo COG	-8%	-8%	-9.4%	-10.9%
Santa Barbara CAG	0%	0%	-10%	-15%
Shasta RTA	0%	0%	-4.7%	-0.5%
Tahoe MPO	-7%	-5%	-12%	-7%

Climate Planning for Transportation



In Other Words, by 2035...



MPO Technical Analysis

- **Input received from all 18 MPOs**
 - **Big Four MPOs: March 2017**
 - **Eight San Joaquin Valley MPOs: December 2016**
 - **Six Other MPOs: Summer 2016**
- **Common Themes**
 - **Challenge to maintain current SCS performance**
 - **Commitment to maintain current SCS performance**
 - **Additional tools needed to go beyond current plan performance**

Big Four MPOs Analysis

- **Exploratory stress test scenarios**
 - Additional land use, enhanced mobility, and technology strategies achieved between -<1 to -5% GHG per capita reductions
 - Pricing achieved -1.5 to -5% reductions
- **Target recommendations forthcoming**

Eight San Joaquin Valley MPOs Analysis

- **Modeling improvements to more accurately represent current SCS plan performance**
- **Identified strategies above and beyond previous plans**
 - Land use plan updates, vanpool and rideshare programs, active transportation plans, and electric vehicle infrastructure
- **Preliminary recommendations commit to maintaining current SCS plan performance**

Six Remaining MPOs Analysis

- **Target recommendations and technical analysis exceed reduction levels established in 2010**
- **Most MPOs will meet or exceed performance of their currently adopted SCSs**

Stakeholder Engagement

- **Public workshops in 2014 and 2017**
- **Individual and stakeholder group meetings**
- **Feedback received:**
 - **Increase transportation funding and align with land use goals**
 - **Performance monitoring to track implementation**
 - **Co-benefit analysis and inclusion**
 - **Create a clearing house for leading practices**
 - **Balance State responsibilities and SB 375**

Preliminary Discussion Targets



2020 Target Approach

- Use latest SCS plan performance, with improved modeling where applicable
- Performance monitoring focus
- ARB developing statewide performance indicator database
 - Accessibility
 - Housing density
 - Transit ridership
 - Equity, etc.

2035 Target Approach

- **Big Four and Eight Valley MPOs**
 - Update current SCS plan performance based on latest modeling and consider
 - Need to go beyond current SCSs
 - Challenges to achieving reductions
 - Need for pricing and new revenue
- **Six Other MPOs**
 - Update to target recommendation or SCS plan performance, whichever is greater

Challenges for Stronger Targets

- **Declining transportation revenue due to**
 - Lower fuel prices
 - Fuel tax not adjusted for inflation
 - Fuel efficiency
- **Transportation spending allocation**
- **Local authority considerations**
- **Technology**

Opportunities for Stronger Targets

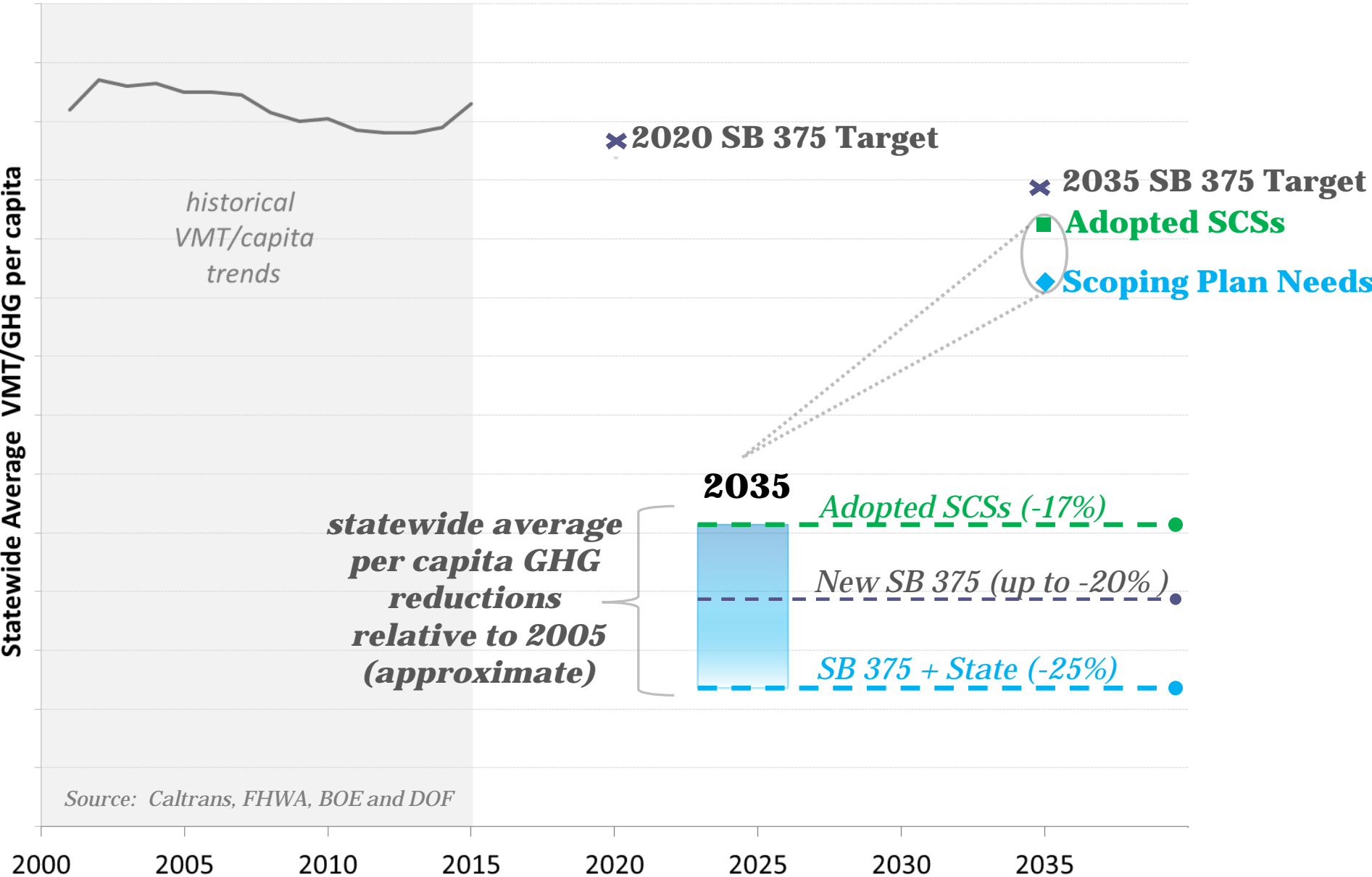
- State actions
- Enabling local action
- Technology
- Enhance existing strategies
- Changes in socio-demographics



2035 Preliminary Discussion Target Range Based on Current Data

- **Big 4 MPOs: -16 to -20+% GHG/capita**
- **San Joaquin Valley MPOs: - 11% to -20+% GHG/capita**
- **Smaller MPOs: SCS plan performance or MPO target analysis, whichever is greater**

Potential Role of SB 375 and State Strategies in Scoping Plan



Source: Caltrans, FHWA, BOE and DOF

Next Steps and Schedule

	2017-2018
ARB Board Meeting Informational Item	March 23-24, 2017
Final Scoping Plan Release	Spring 2017
ARB Draft Staff Report and Environmental Document Release	Late Spring/Early Summer 2017
ARB Draft Staff Report and CEQA Workshops	Summer 2017
ARB Final Staff Report and Environmental Document Release and ARB Board Target Adoption	Fall 2017
Update ARB Technical Methodology for Reviewing MPO SCS GHG Quantification	Late 2017 to Early 2018
SCSs Developed to Meet Updated Targets	2017+

State Efforts to Support Integrated Climate Action

Louise Bedsworth

Governor's Office of Planning and Research

Healthy, Sustainable Communities & Landscapes



Integrated consideration of:

- Transportation
- Housing
- Land conservation and preservation
- Public health

Multiple benefits:

- Greenhouse gas emissions reductions
- Air quality
- Ecosystem services

State Actions to Support VMT Reduction

- **Scoping Plan: Explore State-level actions in four areas**
 - **Infill & Conservation**
 - **Infrastructure Investment**
 - **Pricing**
 - **System Efficiency**
- **Next Steps: Assessment and Engagement**
 - **Efficacy**
 - **Implementation pathways**



**National Center
for Sustainable
Transportation**

White Paper: A Framework for Projecting the Potential Statewide VMT Reduction from State-Level Strategies in California

Marlon Boarnet
Susan Handy

Prepared for the California Strategic Growth Council
1.25.17

Potential State Actions: Infill and Conservation

Actions Underway

- CEQA Streamlining for Infill Development
- Complete Streets
- General Plan Guidelines
- Conservation Planning
- Funding Programs

Actions Under Consideration

- Expand Incentives for Infill Development
 - Lead: SGC
- Connect Incentives with Regional Conservation Policies
 - Lead: SGC

Potential State Actions: Aligning Infrastructure Investment

Actions Underway

- Active Transportation Program
- High Speed Rail and Transit Investments

Actions Under Consideration

- Develop Performance Metrics for Infrastructure Investment
 - Lead: CalSTA
- Expand Investments in Transit and Active Transportation
 - Leads: CalSTA, SGC

Potential State Actions: Pricing Policies

Actions Underway

- Road User Charge Pilot



Actions Under Consideration

- Assess and Develop Pricing Policies
 - Lead: CalSTA

Supporting Integrated Climate Actions

- **Investments in sustainable communities, including:**
 - Affordable Housing and Sustainable Communities
 - Transformative Climate Communities
 - Sustainable Ag Land Conservation
- **Integrated approaches to planning**
 - AB 2087: Regional conservation planning
 - Jurisdictional scale accounting
- **Planning support**
- **Technical assistance and support**

Transformative Climate Communities

STATE OF CALIFORNIA
**General Plan
Guidelines**



GOVERNOR'S OFFICE OF PLANNING AND RESEARCH



Next Steps – Scoping Plan and Beyond



- **Further development of State-level of VMT reduction measures**
 - **Interagency process**
- **Developing opportunities for integrated approaches**
 - **Engagement**
 - **Analysis**