

Greenhouse Gas Targets

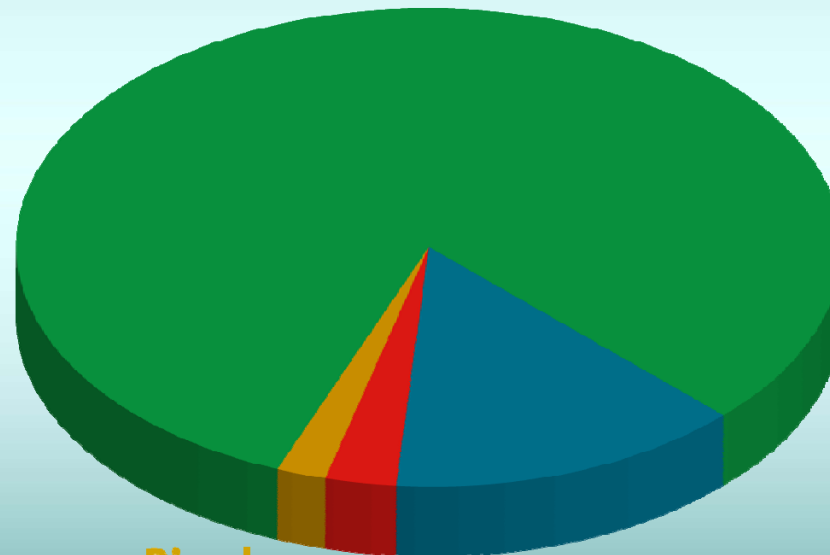
GHG Target Setting Under SB 375

- Regional Targets Advisory Committee (RTAC) advises CARB on target methodology (Completed: September 30, 2009)
- CARB exchanges data with MPOs (Underway)
 - MPOs are developing investment/land use scenarios to assist CARB with GHG target-setting
- CARB issues draft targets by June 30, 2010
 - CARB is considering the release of draft target *range*
- MTC, in consultation with ABAG, BAAQMD, and BCDC, will prepare a response to draft targets following Commission discussion on July 28
- CARB issues final targets by September 30, 2010
 - CARB is considering the issuance of region-specific targets

Project Alternative: Transportation 2035 Plan

Expenditures by Function
(25-Year Total revenues: \$218 Billion)

Maintenance & Operations
\$178 billion – 81%



**Bicycle,
Pedestrian
& Other**
\$4 billion – 2%

**Road
Expansion**
\$6 billion – 3%

Transit Expansion
\$30 billion – 14%

What Would It Take to Achieve the Aggressive Alternative Scenario?

- **Increase auto operating costs four-fold**
 - Carbon tax that increases cost of gas by 20%
 - 25-cents per mile congestion charge
 - Charged parking increases by \$1.00 per hour
 - Total auto operating cost increases from \$0.21/mi to \$1.15/mi
- **Aggressive Land Use Policies – increase projected urban population growth and decrease projected suburban/rural population growth**
 - San Francisco/San Mateo – Add 270,000 people beyond projections
 - Sonoma/Solano – Reduce projected growth by 160,000 people

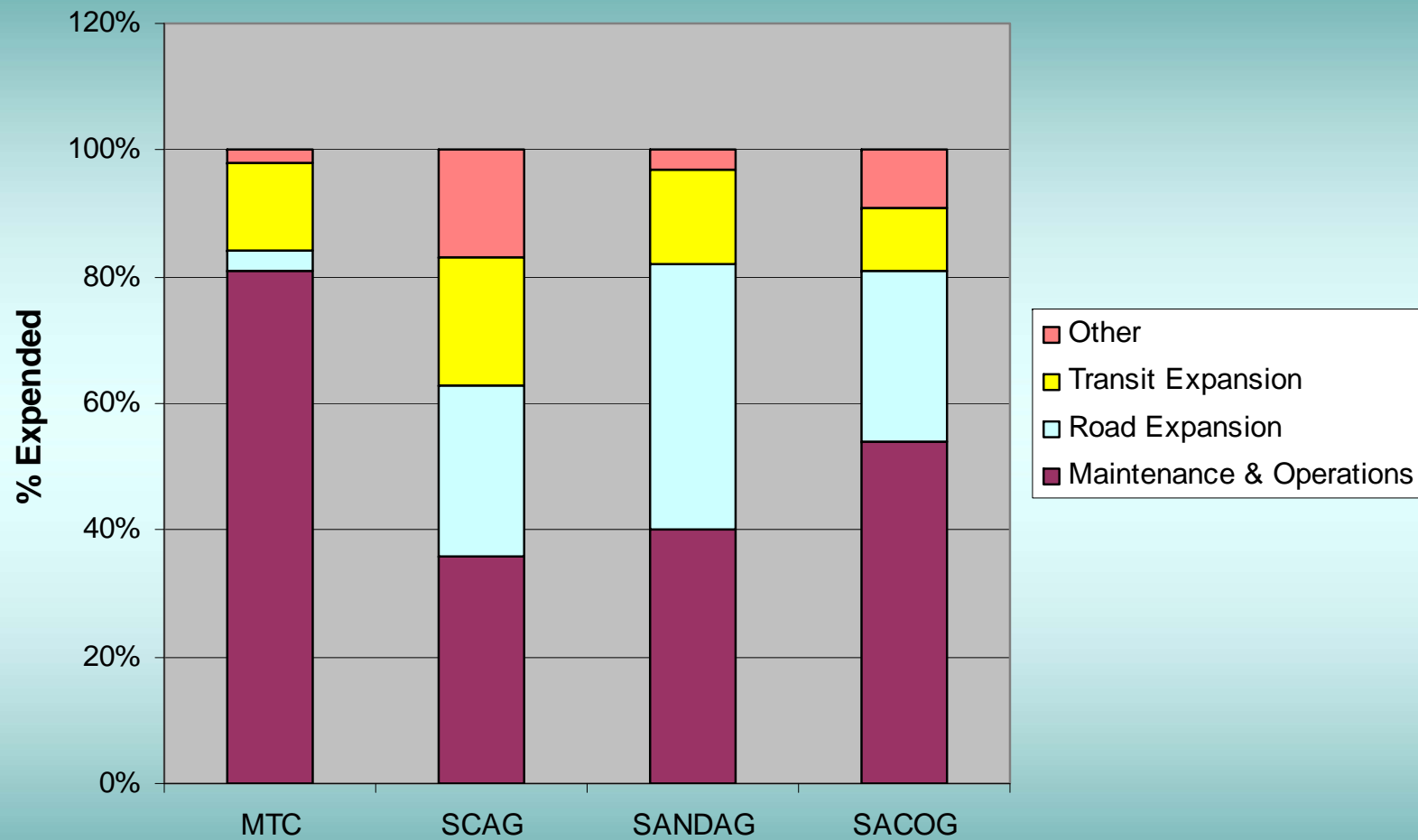
GHG Emission Target Estimates

Average Weekday Pounds Per Capita CO2 Emissions from Passenger Vehicles and Light Duty Trucks*

Region	2005 Base Year	Project Alt. 2020 Interim Year	Project Alt. 2035 Horizon Year	Change 2005 to 2020 Project		Change 2005 to 2035 Project		Change 2005 to 2035 Best Scenario	
				Numeric	Percent	Numeric	Percent	Aggressive Alt. 2035 Horizon Year	Percent
Bay Area	20.8	19.7	20.1	-1.1	-5%	-0.7	-3%	18.3	-12%
So Cal/ LA	21.2	20.1	20.4	-1.1	-5%	-0.8	-4%	18.6	-10%
San Diego	26.0	23.2	23.4	-2.8	-11%	-2.6	-10%	21.8	-16%
Sacramento	22.4	21.5	19.6	-0.9	-4%	-2.8	-13%	18.5	-17%

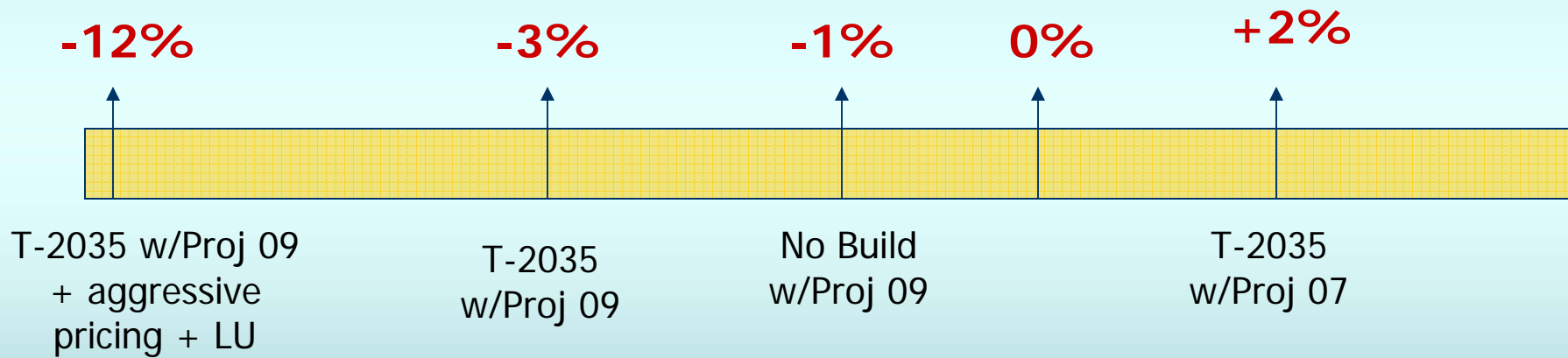


MPO RTP Expenditures



Bay Area GHG Target?

(% per capita - 2005 vs 2035)



More aggressive



What did the Joint MTC/ABAG Committee Say?

- Need to consider/accelerate affects of new technology
- Reduce freeway design speed requirements
- Focus efforts on infrastructure, land use and pricing
- Show how pricing revenues can offset costs to build out transit network
- Employment: promote job center, encourage telework expansion
- Local agencies need to price parking at its true cost

Q&A: Greenhouse Gas Target

1. How high do we aim?
2. What kind of target makes the most sense – uniform target or region-specific target?
3. Where and how should we be focusing our efforts – infrastructure, pricing, and/or land use?

Housing Target

Housing Target

- SCS changes regional land use forecasts
 - House the entire population, all income segments
 - Regional Housing Needs Assessment (RHNA)
Consistent with the SCS
 - Identify density and intensity of land use
 - Forecast alternative scenarios
- Developing Regional Housing Target Requires Extensive Local Government Engagement
 - PDA Assessment: input on local growth potential
 - Engagement will continue through Fall 2010

Population by County: Base Case vs. Best Scenario

County	Year 2006	Year 2035		
		Projections 2007	Land Use Sensitivity Test	Percent Difference in Year 2035
Alameda	1,518,500	1,938,600	1,946,400	0%
Contra Costa	1,031,100	1,300,600	1,226,200	-6%
Marin	253,800	283,100	293,600	4%
Napa	134,800	155,700	157,000	1%
San Francisco	798,400	956,800	1,169,300	22%
San Mateo	725,700	861,600	912,200	6%
Santa Clara	1,783,900	2,380,398	2,337,400	-2%
Solano	428,300	585,800	501,100	-15%
Sonoma	484,900	568,900	587,957	3%
Bay Area Total	7,159,400	9,031,498	9,131,278	1%

Adopted Projections 2009 Forecast

Year 2035				
	Projections 2007		Projections 2009	
	Jobs	Population	Jobs	Population
Alameda	1,099,550	1,938,600	1,039,680	1,966,300
Contra Costa	591,650	1,300,600	555,650	1,322,900
Marin	165,180	283,100	158,280	274,300
Napa	98,570	155,700	91,480	148,800
San Francisco	832,860	956,800	806,830	969,000
San Mateo	522,000	861,600	505,860	893,000
Santa Clara	1,365,810	2,380,400	1,412,620	2,431,400
Solano	227,870	585,800	211,880	506,500
Sonoma	344,290	568,900	325,110	561,500
Bay Area	5,247,780	9,031,500	5,107,390	9,073,700

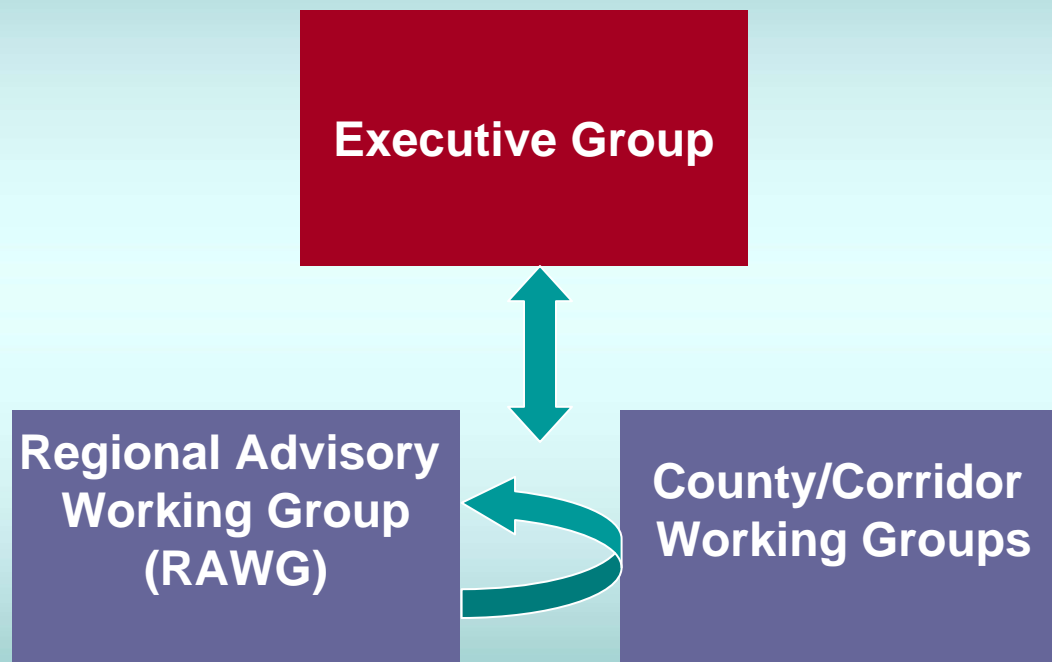
Current T2035 Regional Funding Commitments that Can Support the SCS

- Transportation for Livable Communities - \$2.2B
- Climate Initiative Program - \$0.4B
- Local street/roads maintenance - \$13.4B
- Regional Bike Plan Program - \$1B
- Lifeline - \$0.4B

Q&A: Housing Target

1. Housing target is intended to prevent growth in in-commuting by 2035. This may mean approximately 150,000 more households. Can region accommodate these additional housing units?
2. Where can these units be best accommodated?
3. How can the RTP/SCS help local agencies that want to implement more focused growth?
4. Should those willing to take on more housing growth get more regional discretionary funding?

Regional and Local Government Engagement Structure



COMPOSITION

Executive Group:

Regional Agencies Executive Directors, Congestion Management Agencies Executive Directors, and City Managers

RAWG:

Primarily planning staffs from Regional Agencies, CMAs, transit agencies, and local governments, plus stakeholders

County/Corridor Working Groups:

Primarily planning staffs from Regional Agencies, CMAs, transit agencies, and local governments across county boundaries, plus stakeholders