

Chart Book of Tables and Graphs: California Regions

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User Selections to Generate Output

- Scenario
- Geography
- Year of Evaluation

Scenario Choices

Abbrev.	Scenario Name	Description
Baseline	2010 Baseline	Per capita mean travel times and distances by mode (walk, bike, car, bus, rail, truck, motorcycle) in 2010. Active modes are based on the California Household Travel Survey, 2012, and motorized modes are based on outputs of regional and statewide travel demand models
CARB2030	Air Resources Board 2017 Scoping Plan Update, 2030 Goals	The goal of tripling 2010 baseline levels of walking and transit and increasing those of bicycling by 9-fold by 2030
CSMP2020	CalTrans Strategic Management Plan, 2015-2020, Goals	The goal of doubling 2010 baseline levels of walking and transit and quadrupling those of bicycling by 2030
FixedTime	Fixed Amount of Walking or Cycling Time per Week	User-defined per capita minutes per week of walking and cycling with concomitant reductions in car travel
LCD	Low Carbon Driving	Car travel that reflects a significant increase in electric vehicles, hybrids, and low carbon fuels. No change in total car vehicle miles traveled or baseline levels of active transportation
Multiples	Multiples of the 2010 Baseline for Walking, Cycling, Transit	User-defined multiples of baseline levels of walking, cycling, and transit with concomitant reductions in car travel
ShortTrips	Short Car Trips (50%) Replaced by Walking and Cycling	Substituting 50% of short car trips (< 5 miles) by walking and cycling
SCS2040	Sustainable Community Strategies, 2040	Travel patterns of the preferred scenarios in California regions represented by the largest metropolitan planning organizations (SF Bay Area, Sacramento Area, San Joaquin Valley, Southern California, San Diego County)
USSG	U.S. Surgeon General Physical Activity Recommendations	Levels of active transport in the California population in which the typical resident walks 75 minutes per week and bicycles 75 minutes per week with concomitant reductions in car travel
Upload	User Upload	User-defined travel distances and time by mode

Geographic Choices

State & Regions

California
Sacramento Area (6 counties)
San Diego County
San Francisco Bay Area (9 counties)
San Joaquin Valley (8 counties)
Southern California (6 counties)

Counties

Alameda	Sacramento
Contra Costa	San Bernardino
El Dorado	San Diego
Fresno	San Francisco
Imperial	San Joaquin
Kern	San Mateo
Kings	Santa Clara
Los Angeles	Solano
Madera	Sonoma
Marin	Stanislaus
Merced	Sutter
Napa	Tulare
Orange	Ventura
Placer	Yolo
Riverside	Yuba

Note: Statistically reliable data on active transportation not available for other counties

Options for Year of Evaluation and Population Projections

Time Periods
2010
2015-2019
2020-2024
2025-2029
2030-2034
2035-2039
2040-2044
2045-2049
2050-2054

Population projections based on California Department of Finance

Organization of Tables/Charts

- Summary Level
- Medium Detail
- Very Detailed

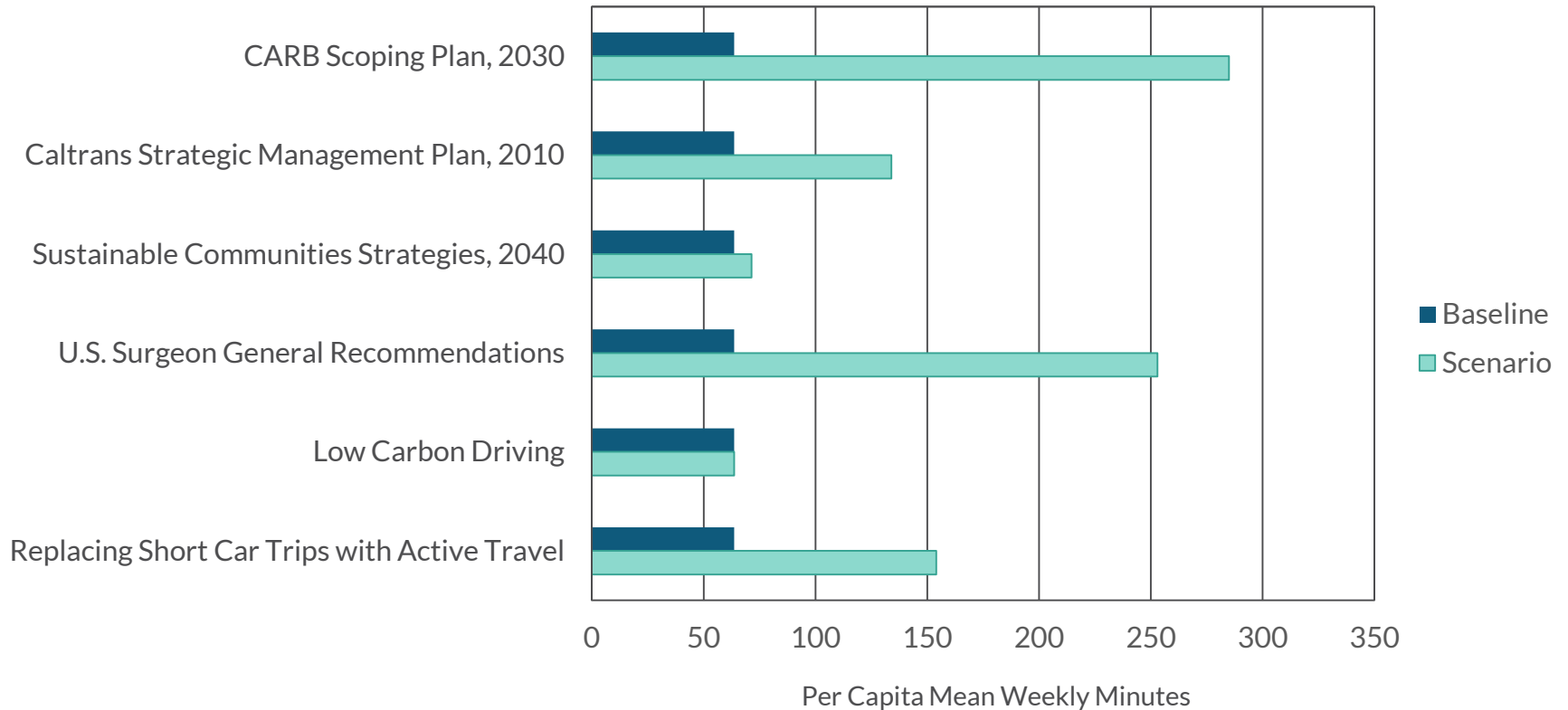
Per Capita Mean Weekly Active Travel Time by Scenario and Region, 2010

Table 1. Per Capita Mean Weekly Active Travel Time (min) by Scenario and Region, 2010

Scenario	SF Bay Area		San Joaquin Valley		Sacramento Area		Southern California		San Diego County	
	Baseline	Scenario	Baseline	Scenario	Baseline	Scenario	Baseline	Scenario	Baseline	Scenario
CARB Scoping Plan, 2030	63.7	285	29.5	128	38.2	182	35.4	156	33.5	155
Caltrans Strategic Management Plan, 2020	63.7	134	29.5	61.1	38.2	82.5	35.4	73.7	33.5	71.2
Sustainable Communities Strategies, 2040	63.7	71.4	29.5	53.9	38.2	44.2	35.4	46.3	33.5	63.0
U.S. Surgeon General Recommendations	63.7	253	29.5	330	38.2	277	35.4	277	33.5	250
Low Carbon Driving	63.7	63.7	29.5	29.5	38.2	38.2	35.4	35.4	33.5	33.5
Replace Short Car Trips with Active Travel	63.7	154	29.5	121	38.2	136	35.4	136	33.5	112

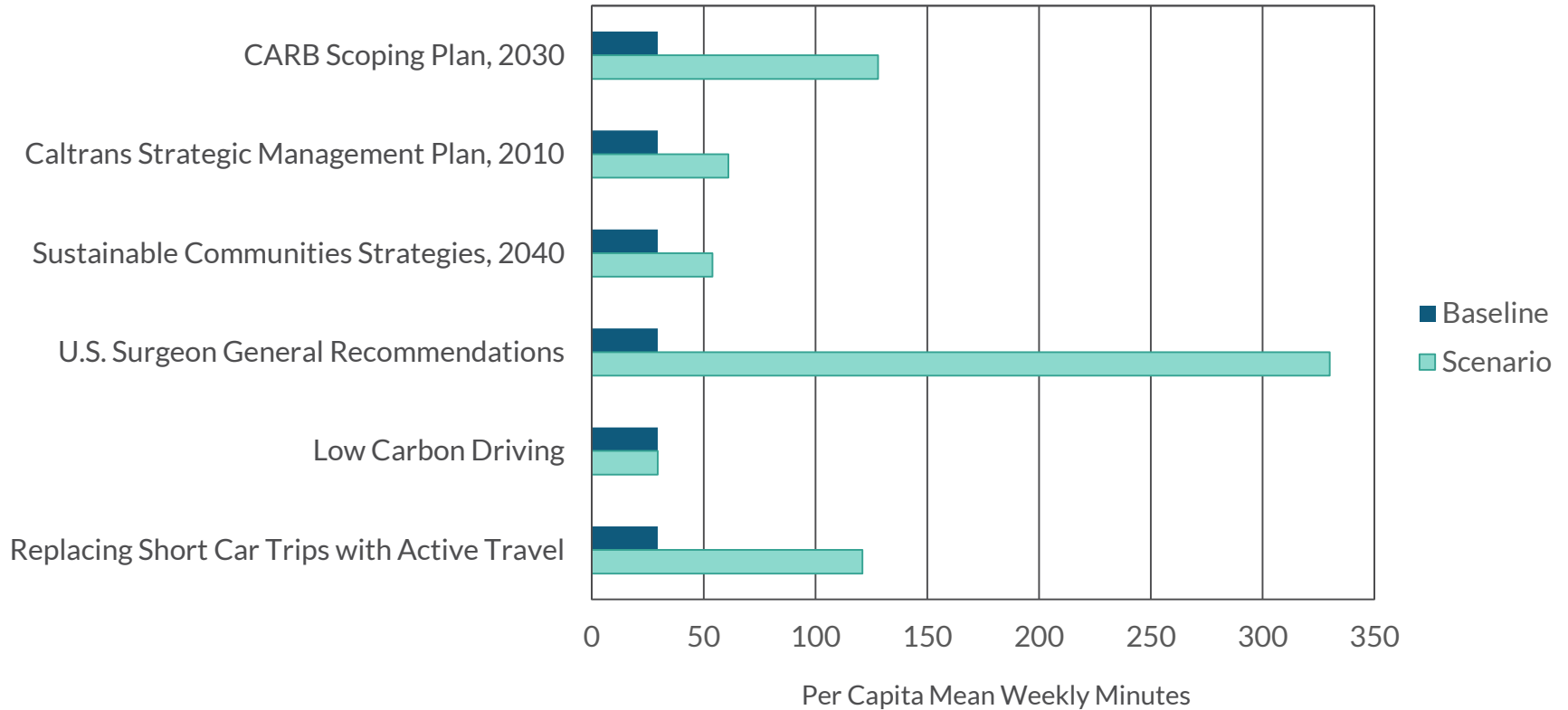
Per Capita Mean Weekly Active Travel Time by Scenario and Region, 2010

Figure 1.1 SF Bay Area



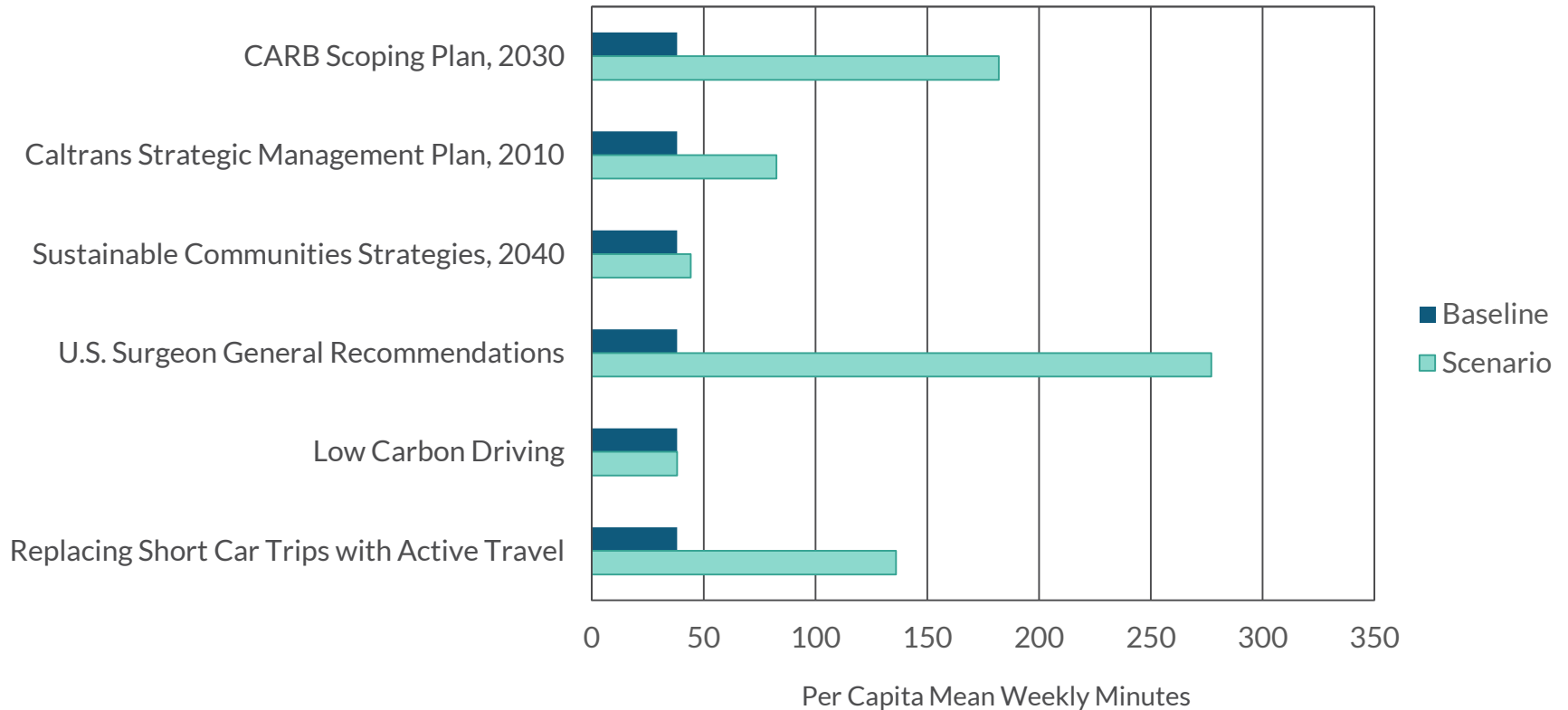
Per Capita Mean Weekly Active Travel Time by Scenario and Region, 2010

Figure 1.2 San Joaquin Valley



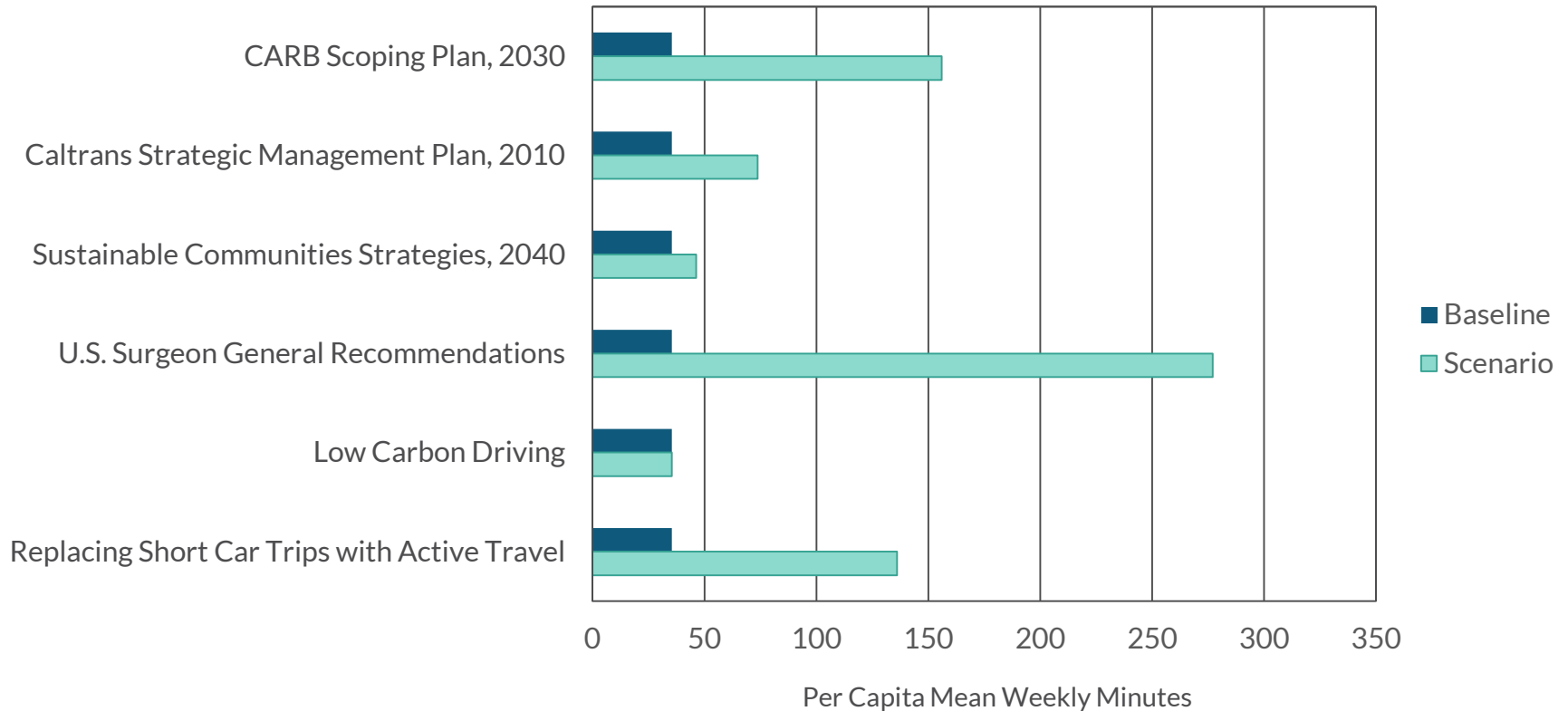
Per Capita Mean Weekly Active Travel Time by Scenario and Region, 2010

Figure 1.3 Sacramento Area



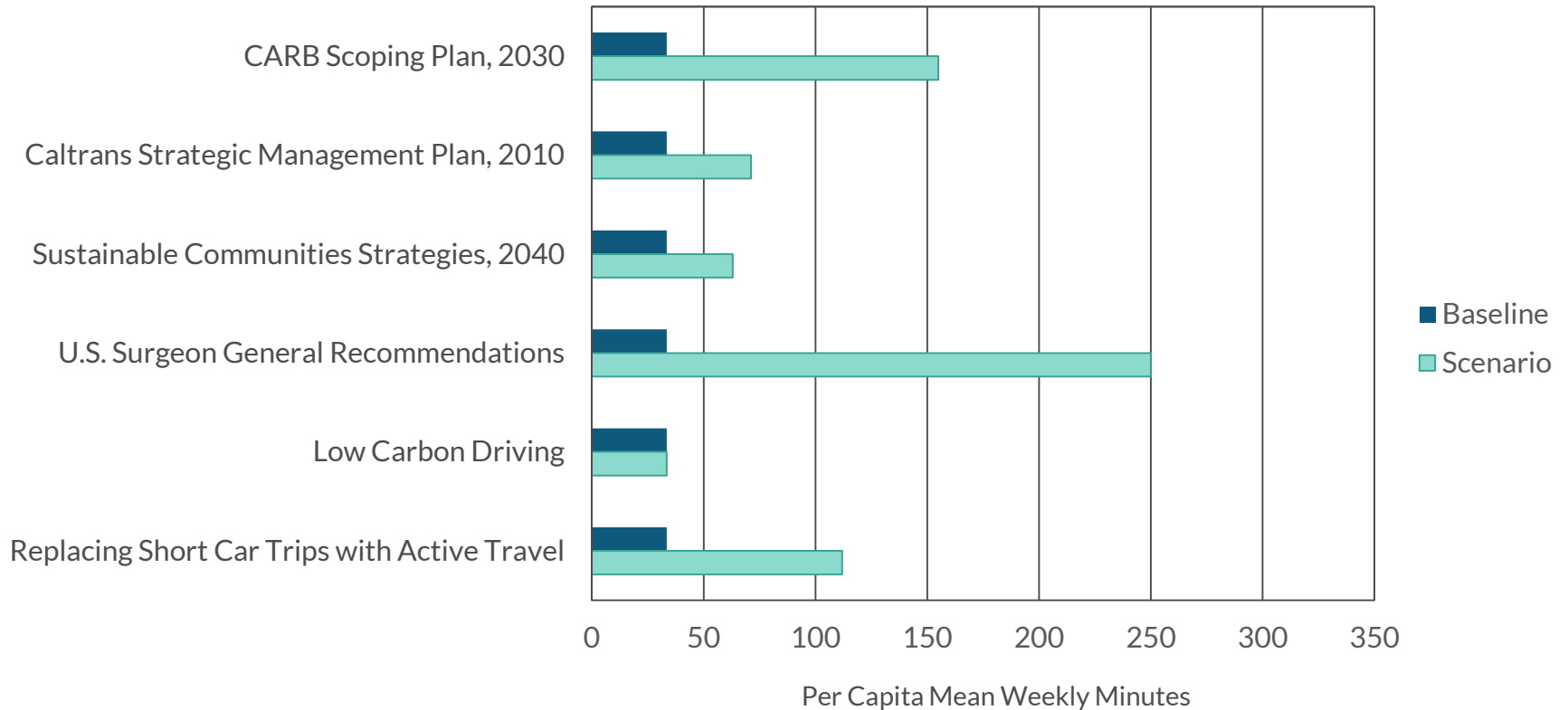
Per Capita Mean Weekly Active Travel Time by Scenario and Region, 2010

Figure 1.4 Southern California



Per Capita Mean Weekly Active Travel Time by Scenario and Region, 2010

Figure 1.5 San Diego County



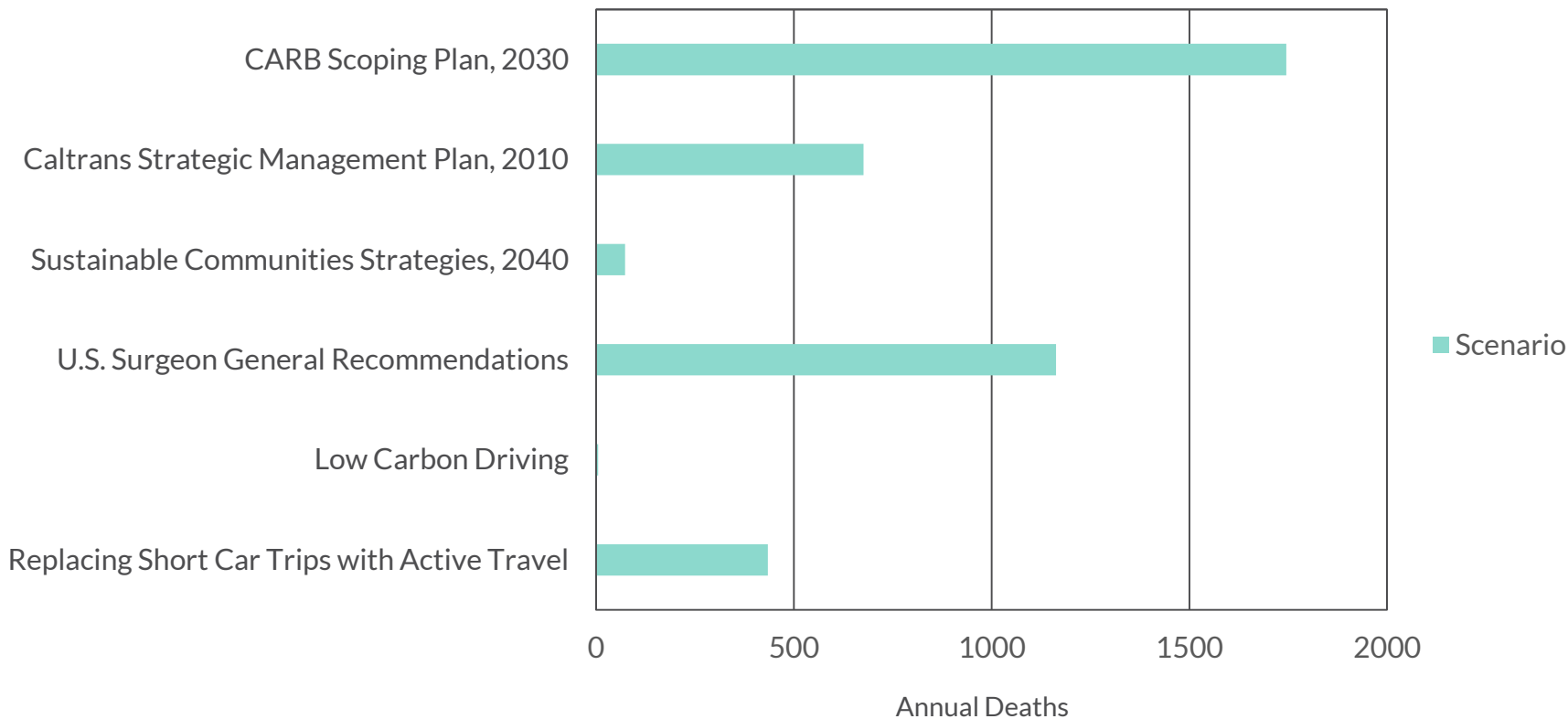
Avoided Deaths by Scenario and Region, 2010

Table 2. Avoided Deaths by Scenario and Region, 2010

Scenario	SF Bay Area	San Joaquin Valley	Sacramento Area	Southern California	San Diego County
CARB Scoping Plan, 2030	1,745	689	419	2,636	480
Caltrans Strategic Management Plan, 2020	676	218	137	907	168
Sustainable Communities Strategies, 2040	72.8	162	21.7	590	115
U.S. Surgeon General Recommendations	1,163	902	682	4,403	861
Low Carbon Driving	5.0	3.2	1.6	31.4	3.0
Replace Short Car Trips with Active Travel	434	384	340	2,314	396

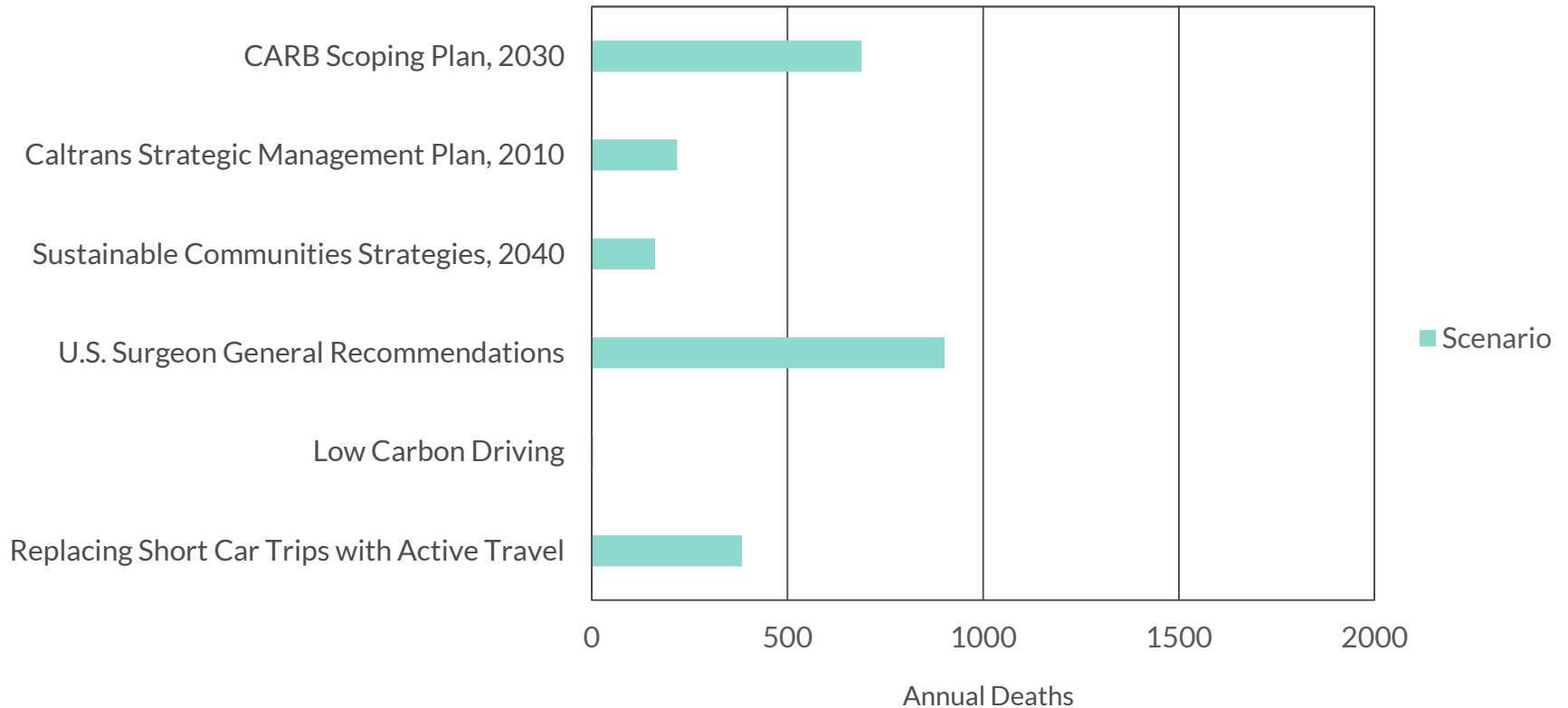
Avoided Deaths by Scenario and Region, 2010

Figure 2.1 SF Bay Area



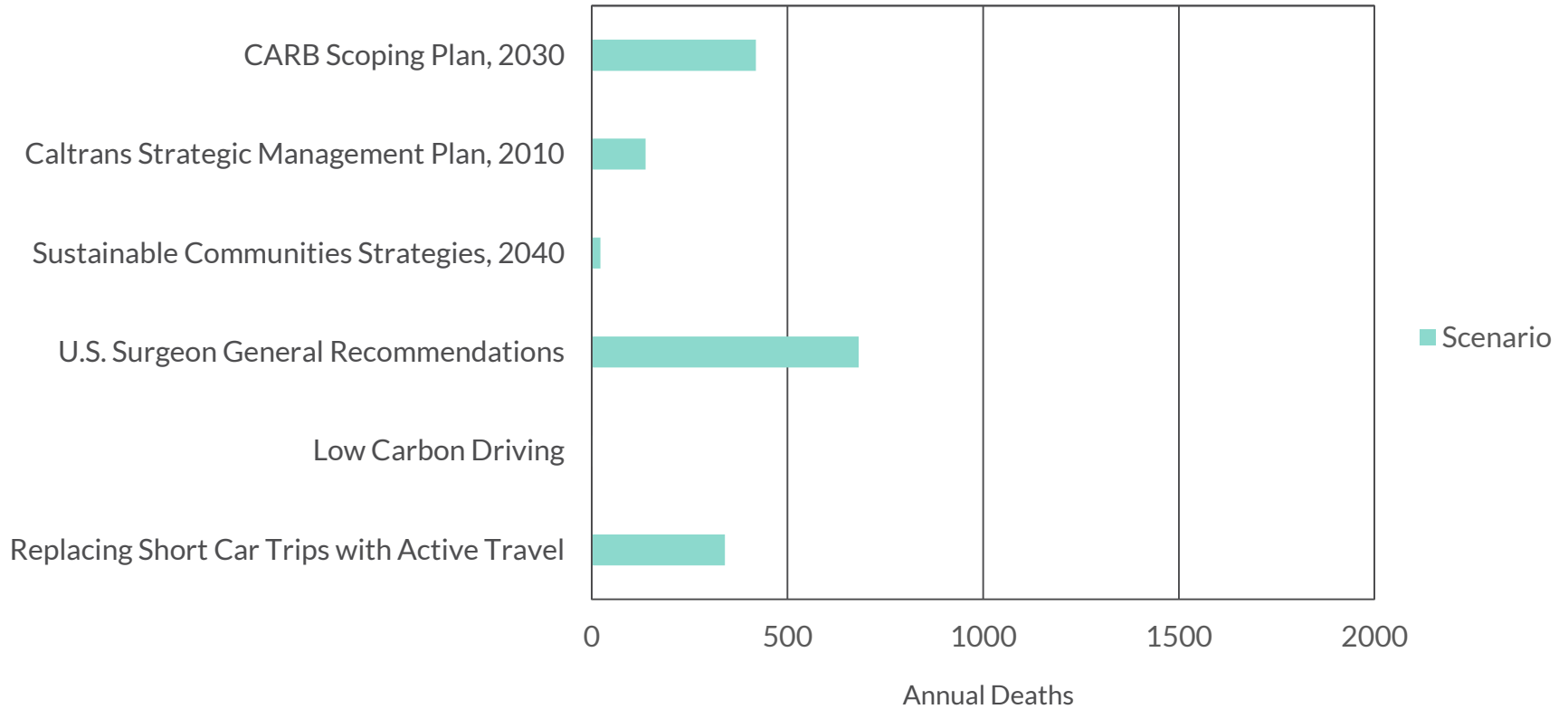
Avoided Deaths by Scenario and Region, 2010

Figure 2.2 San Joaquin Valley



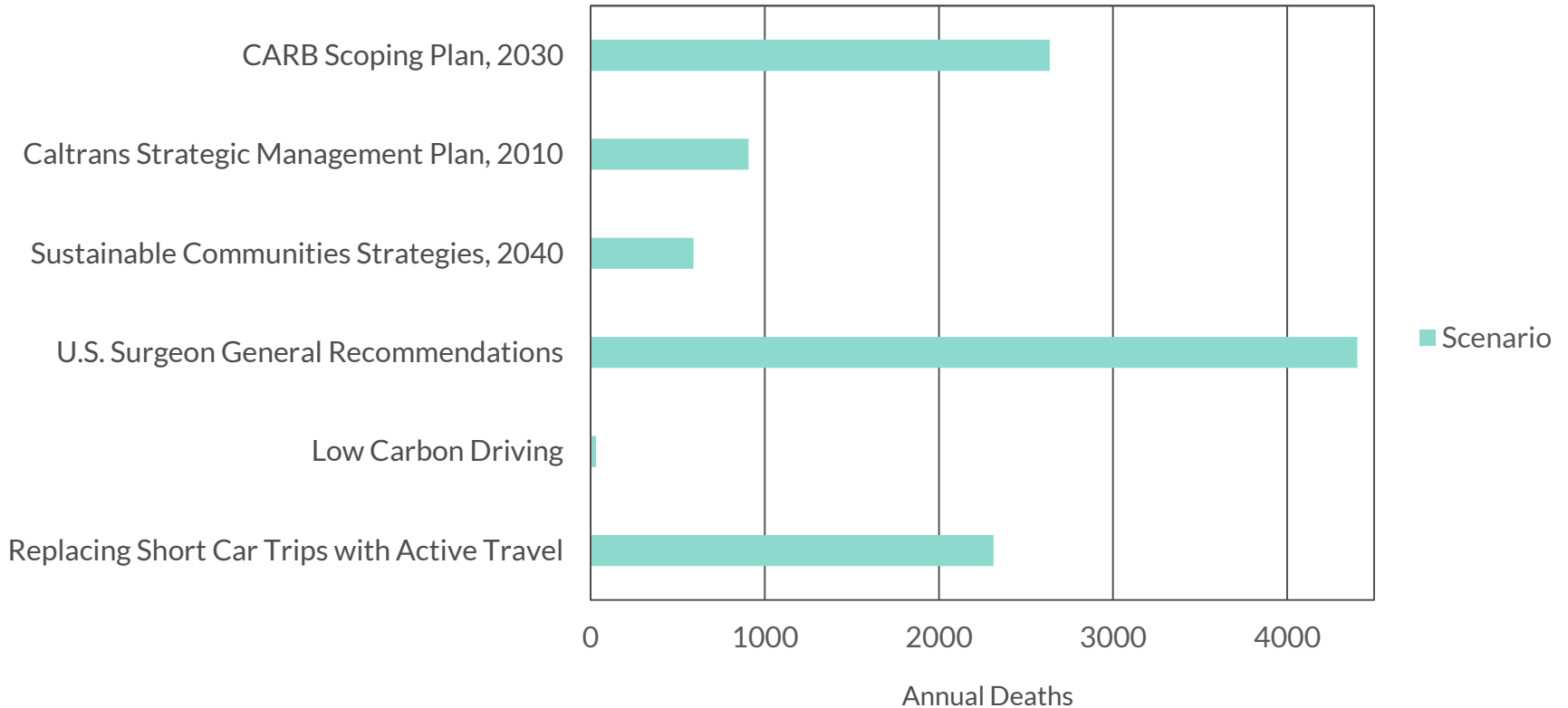
Avoided Deaths by Scenario and Region, 2010

Figure 2.3 Sacramento Area



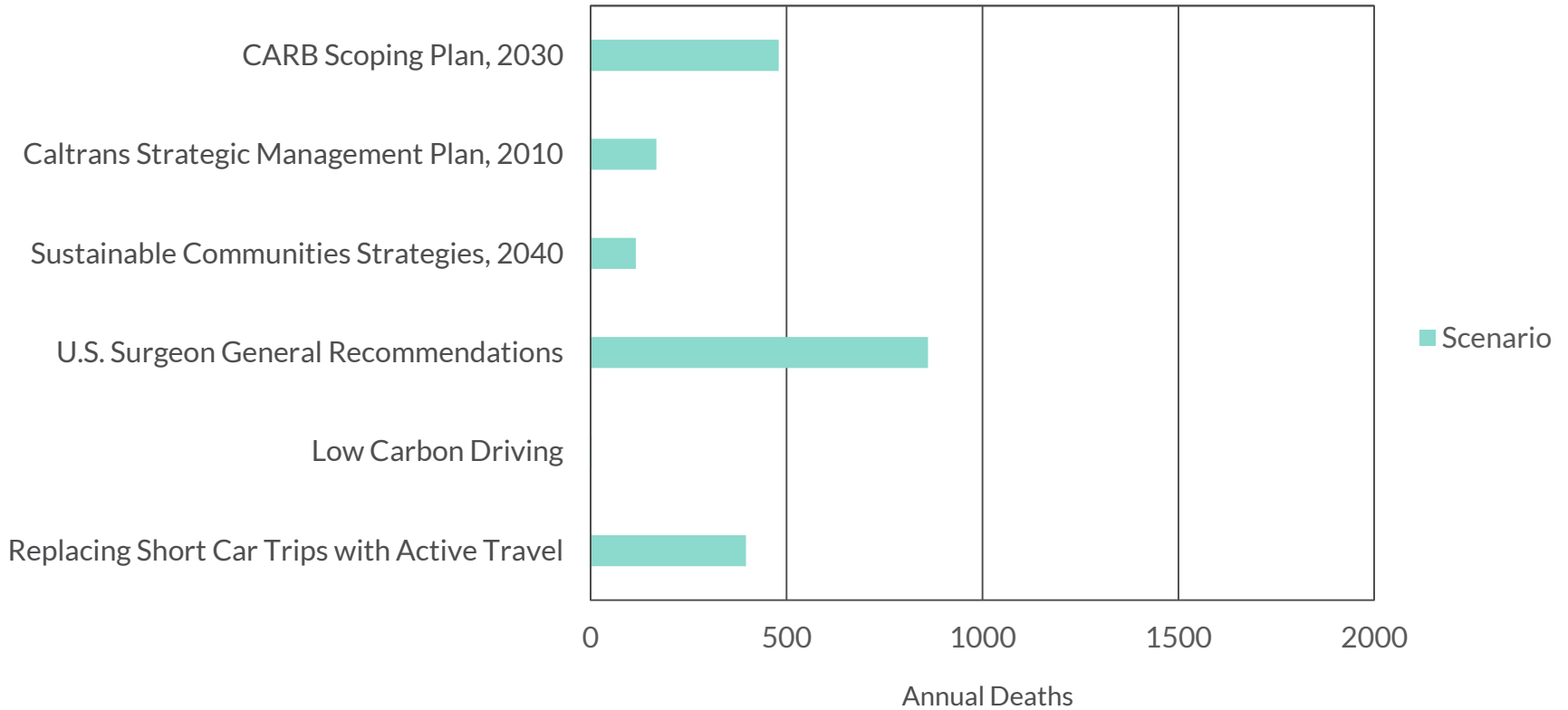
Avoided Deaths by Scenario and Region, 2010

Figure 2.4 Southern California



Avoided Deaths by Scenario and Region, 2010

Figure 2.5 San Diego County



Monetization of Avoided Deaths by Scenario and Region, 2010

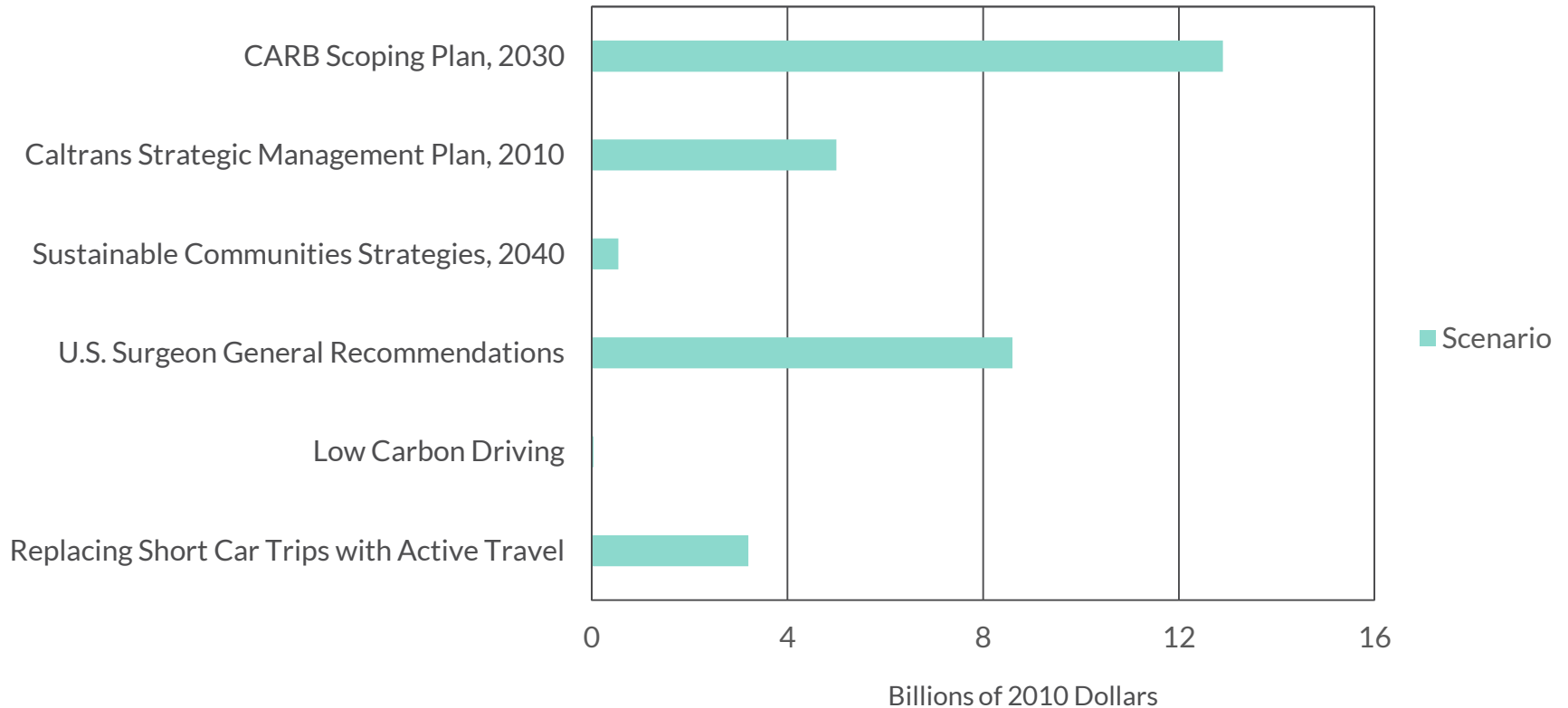
Table 3. Monetization of Deaths* (USD billions) by Scenario and Region, 2010

Scenario	SF Bay Area	San Joaquin Valley	Sacramento Area	Southern California	San Diego County
CARB Scoping Plan, 2030	12.9	5.1	3.1	19.5	3.5
Caltrans Strategic Management Plan, 2020	5.0	1.6	1.0	6.7	1.2
Sustainable Communities Strategies, 2040	0.54	1.2	0.16	4.4	0.85
U.S. Surgeon General Recommendations	8.6	6.7	5.0	32.6	6.4
Low Carbon Driving	0.035	0.023	0.01	0.2	0.021
Replace Short Car Trips with Active Travel	3.2	2.8	2.5	17.1	2.9

* Value of a statistical life, 2010, \$7.4 million

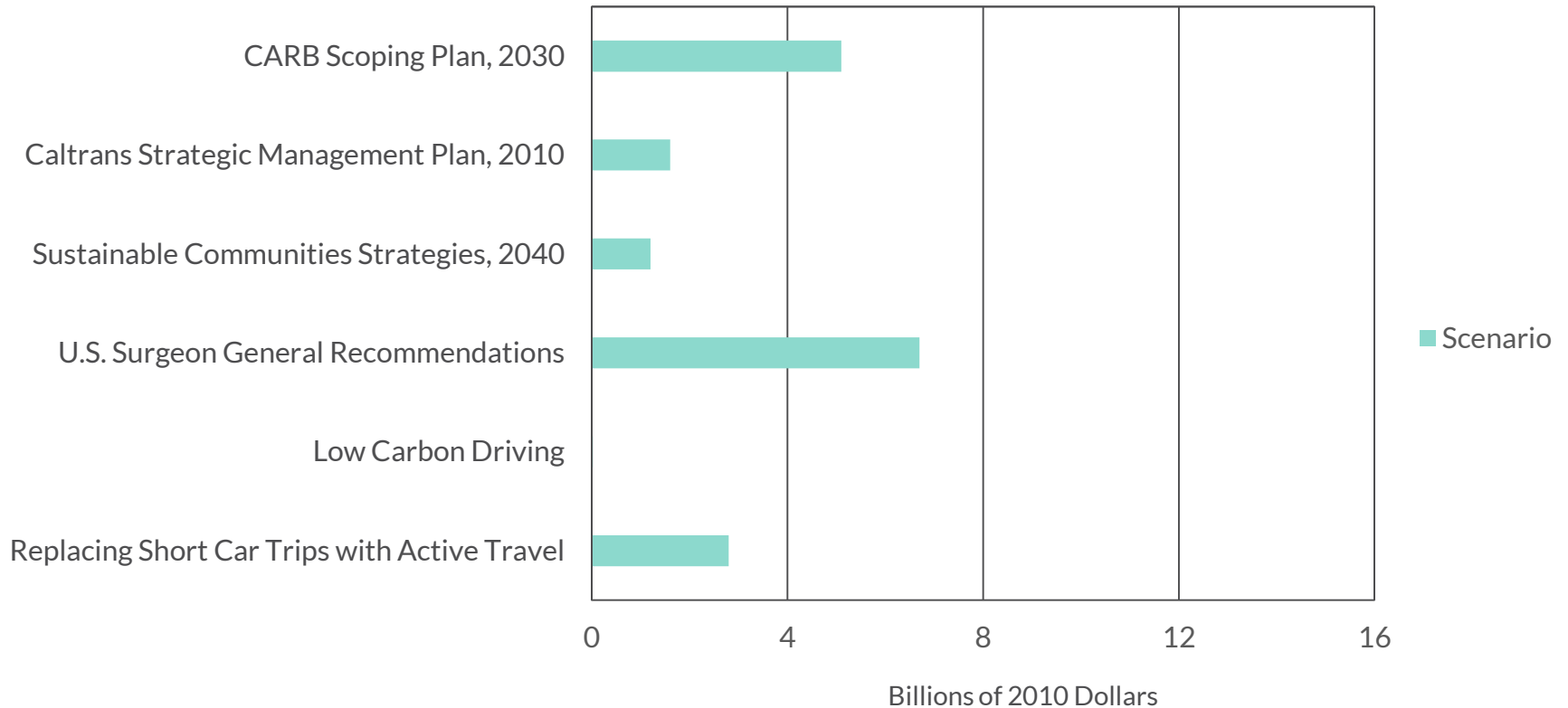
Monetization of Avoided Deaths by Scenario and Region, 2010

Figure 3.1 SF Bay Area



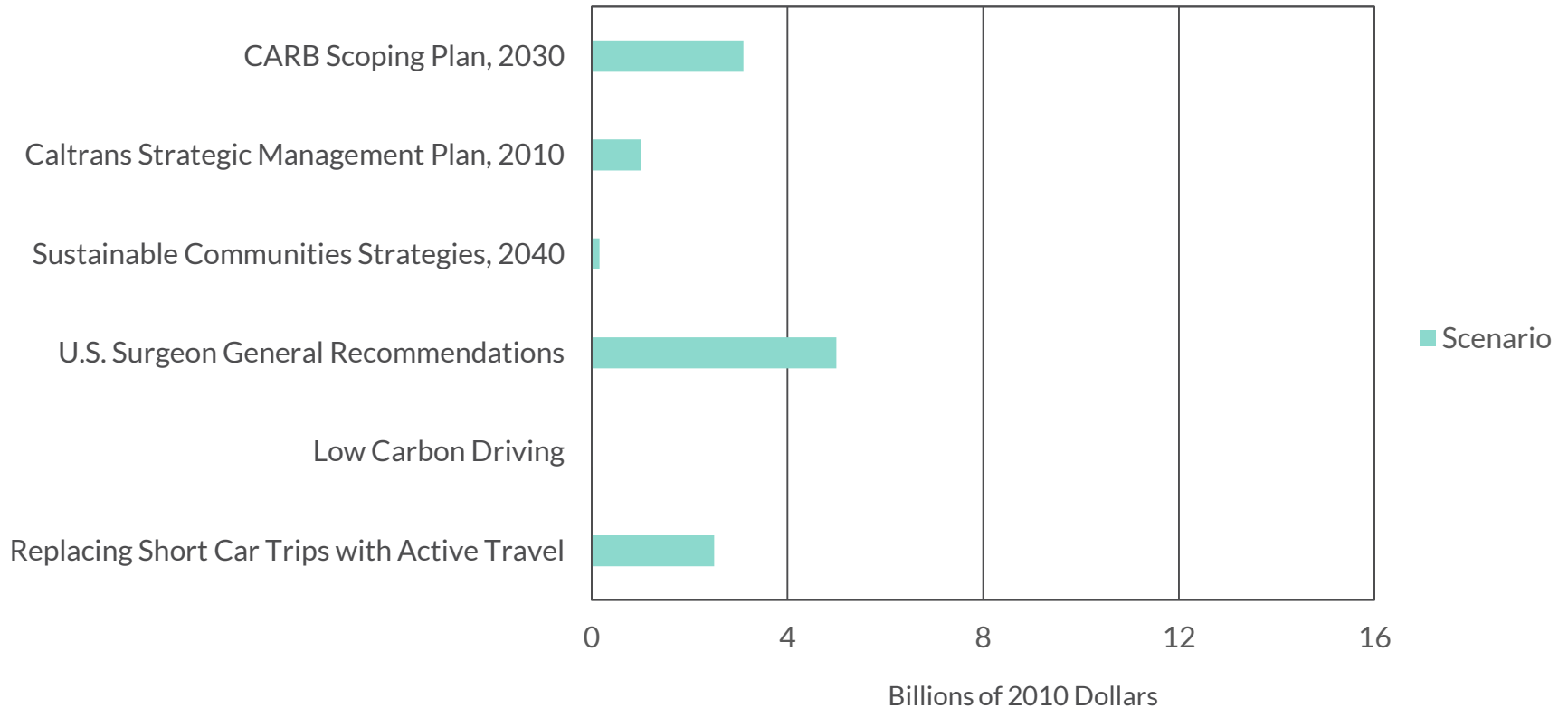
Monetization of Avoided Deaths by Scenario and Region, 2010

Figure 3.2 San Joaquin Valley



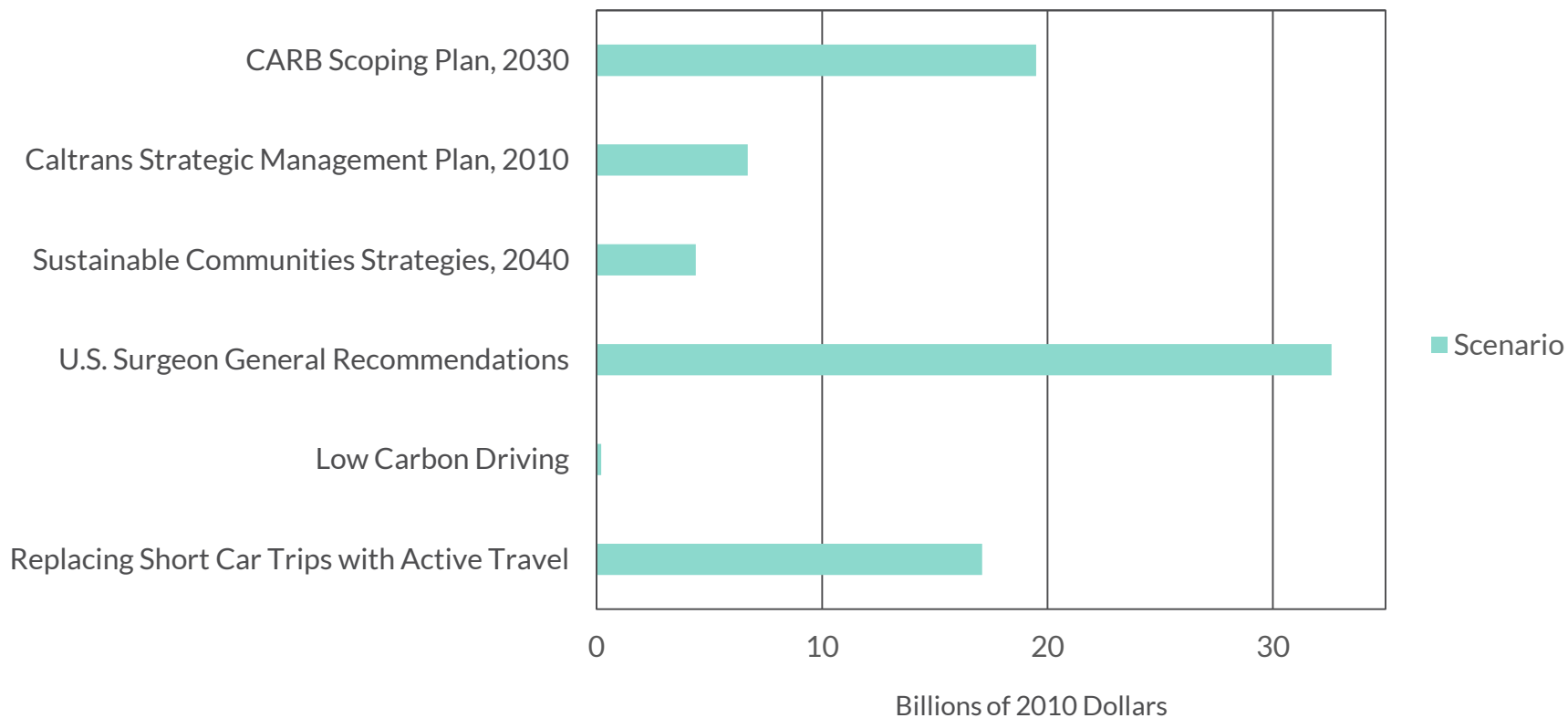
Monetization of Avoided Deaths by Scenario and Region, 2010

Figure 3.3 Sacramento Area



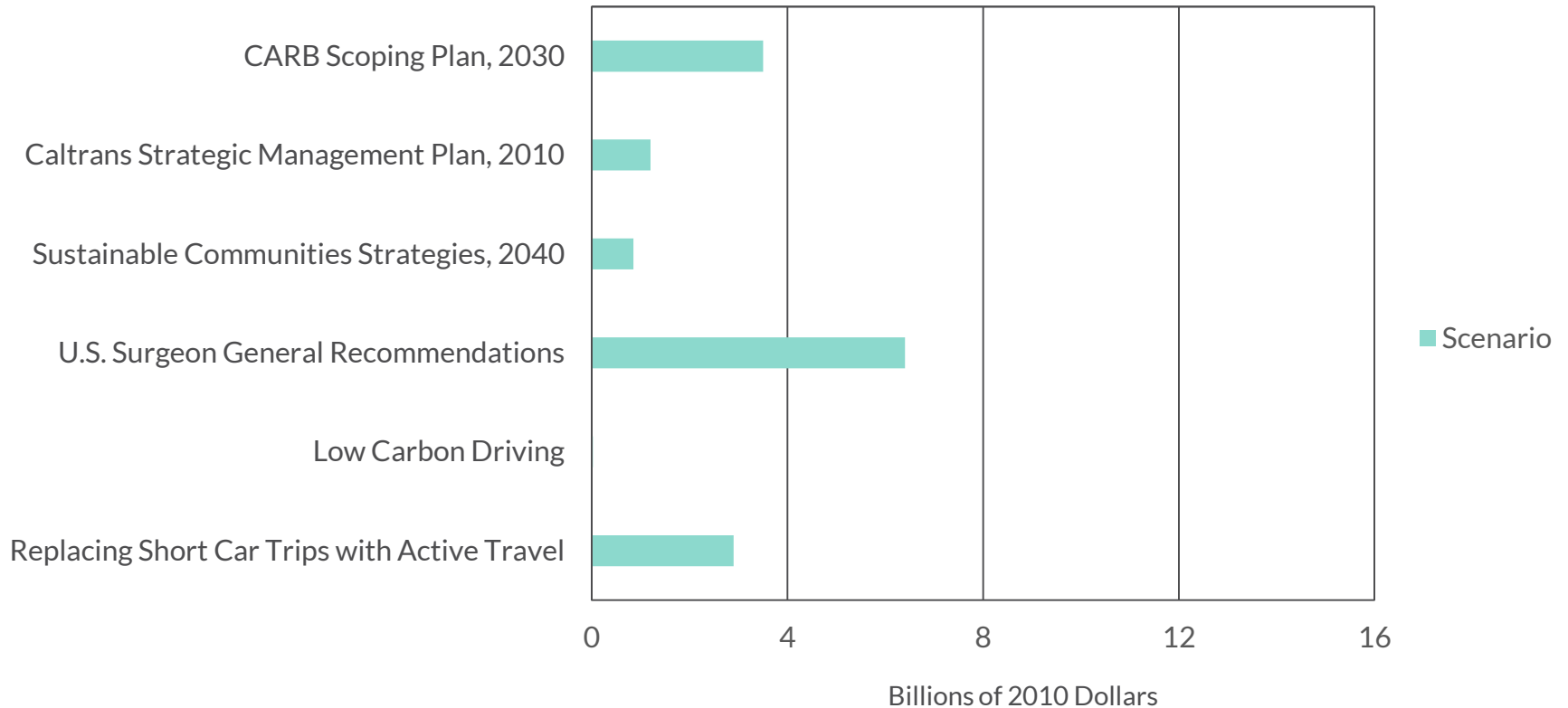
Monetization of Avoided Deaths by Scenario and Region, 2010

Figure 3.4 Southern California



Monetization of Avoided Deaths by Scenario and Region, 2010

Figure 3.5 San Diego County



Annual Aggregate Car Carbon Emissions by Scenario and Region, 2010

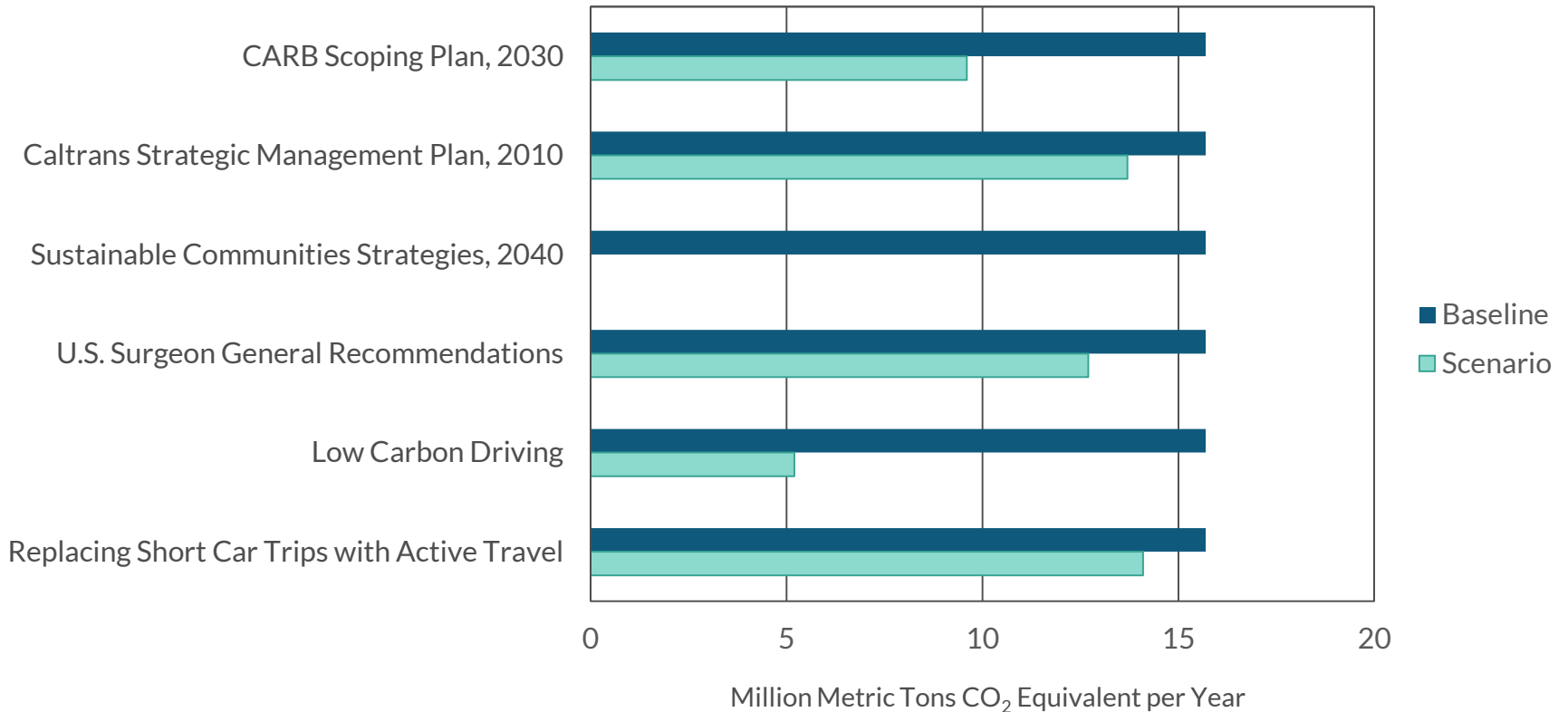
Table 4. Annual Aggregate Car Carbon Emissions* by Scenario and Region, 2010

Scenario	SF Bay Area		San Joaquin Valley		Sacramento Area		Southern California		San Diego County	
	Baseline	Scenario	Baseline	Scenario	Baseline	Scenario	Baseline	Scenario	Baseline	Scenario
CARB Scoping Plan, 2030	15.7	9.6	9.6	8.0	5.1	4.4	58.3	49.9	6.1	4.9
Caltrans Strategic Management Plan, 2020	15.7	13.7	9.6	9.0	5.1	4.9	58.3	55.6	6.1	5.7
Sustainable Communities Strategies, 2040	15.7	14.2	9.6	8.5	5.1	4.6	58.3	54.3	6.1	5.4
U.S. Surgeon General Recommendations	15.7	12.7	9.6	7.5	5.1	4.2	58.3	50.2	6.1	4.9
Low Carbon Driving	15.7	5.2	9.6	3.2	5.1	1.7	58.3	19.5	6.1	2.0
Replace Short Car Trips with Active Travel	15.7	14.1	9.6	8.8	5.1	4.6	58.3	53.1	6.1	5.6

* Millions of Metric Tons

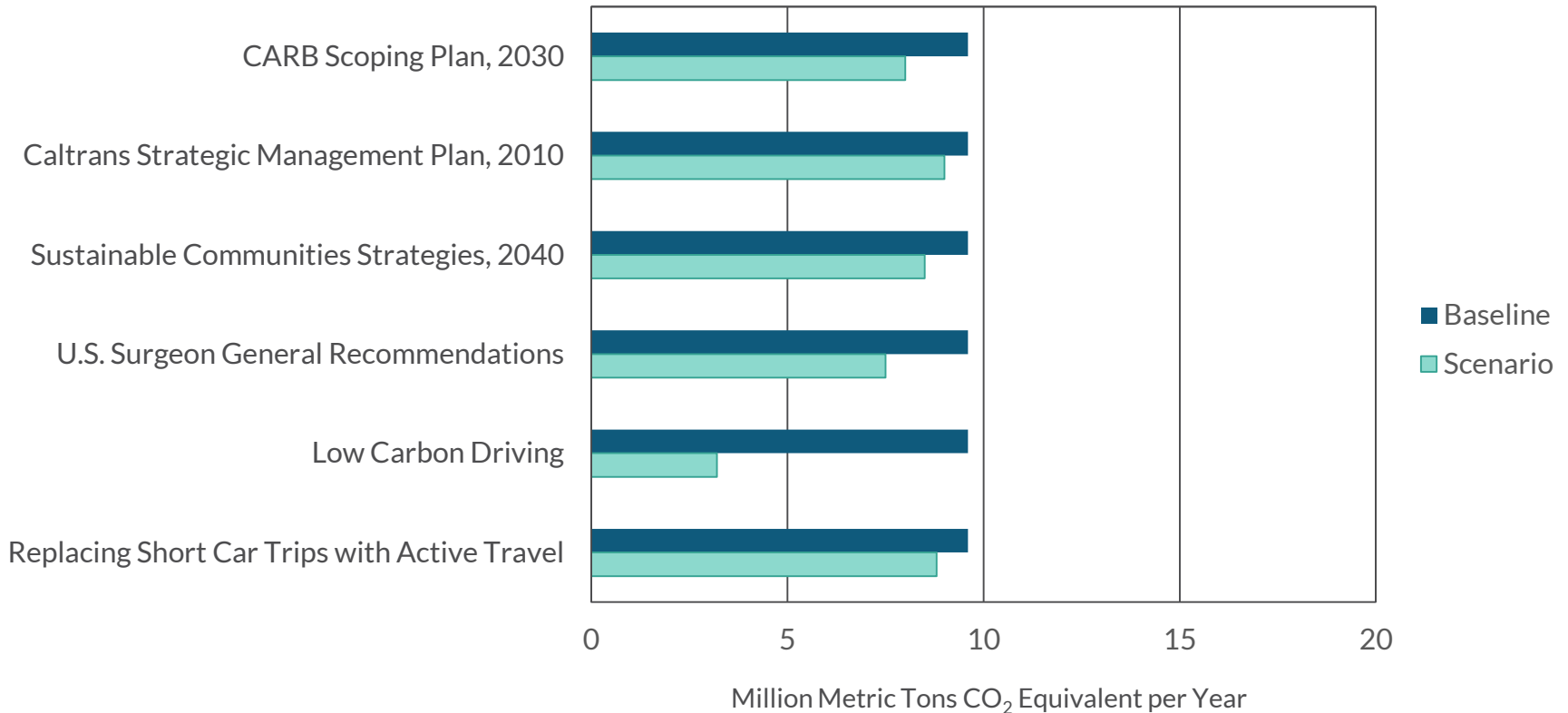
Annual Aggregate Car Carbon Emissions by Scenario and Region, 2010

Figure 4.1 SF Bay Area



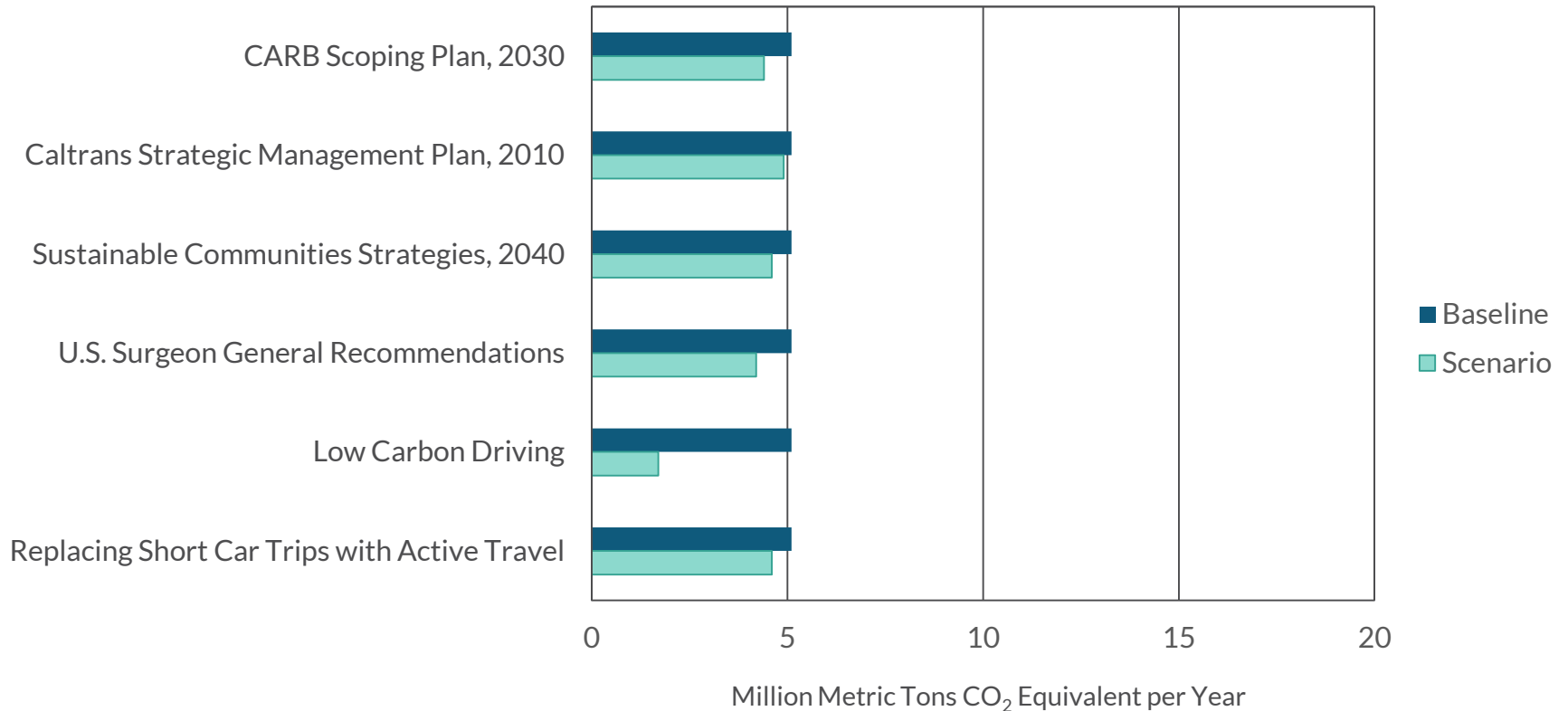
Annual Aggregate Car Carbon Emissions by Scenario and Region, 2010

Figure 4.2 San Joaquin Valley



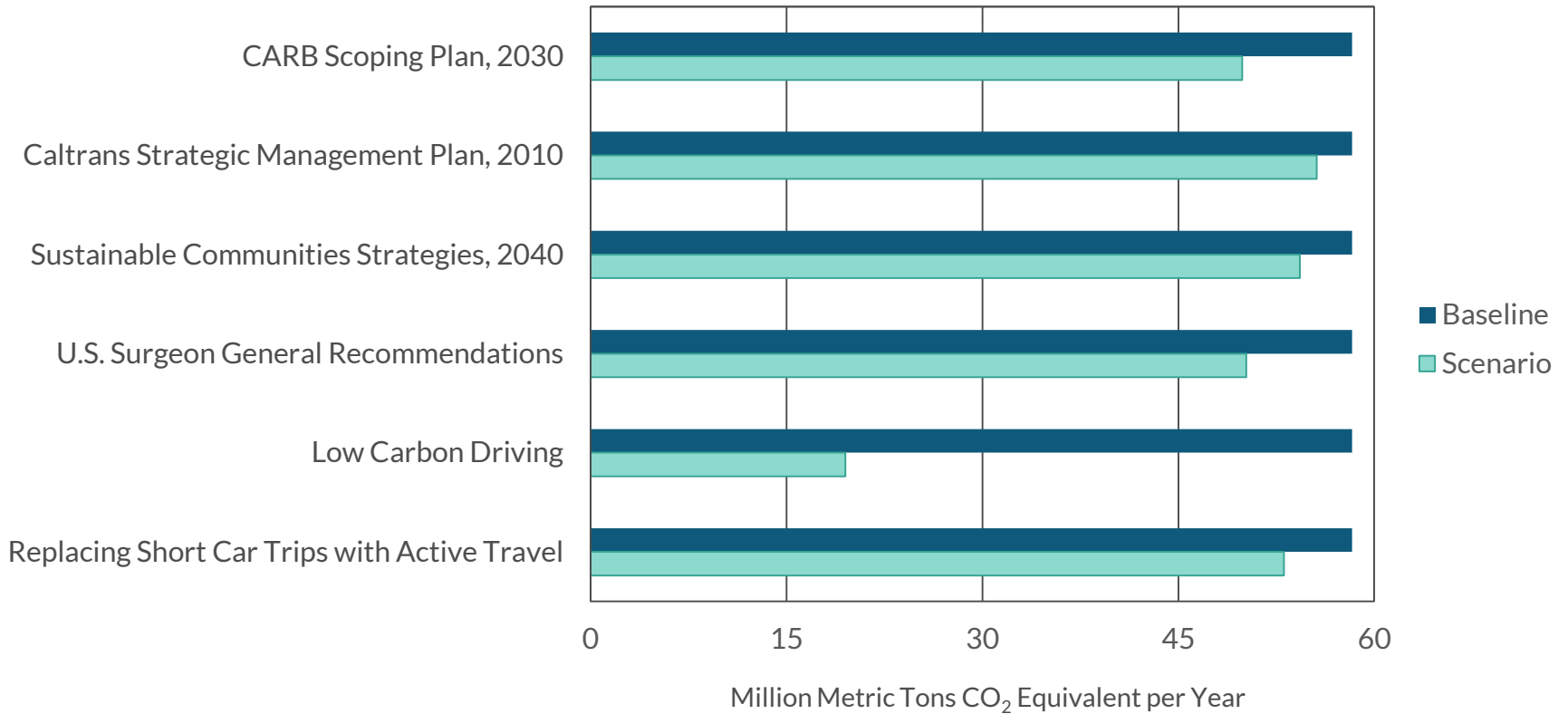
Annual Aggregate Car Carbon Emissions by Scenario and Region, 2010

Figure 4.3 Sacramento Area



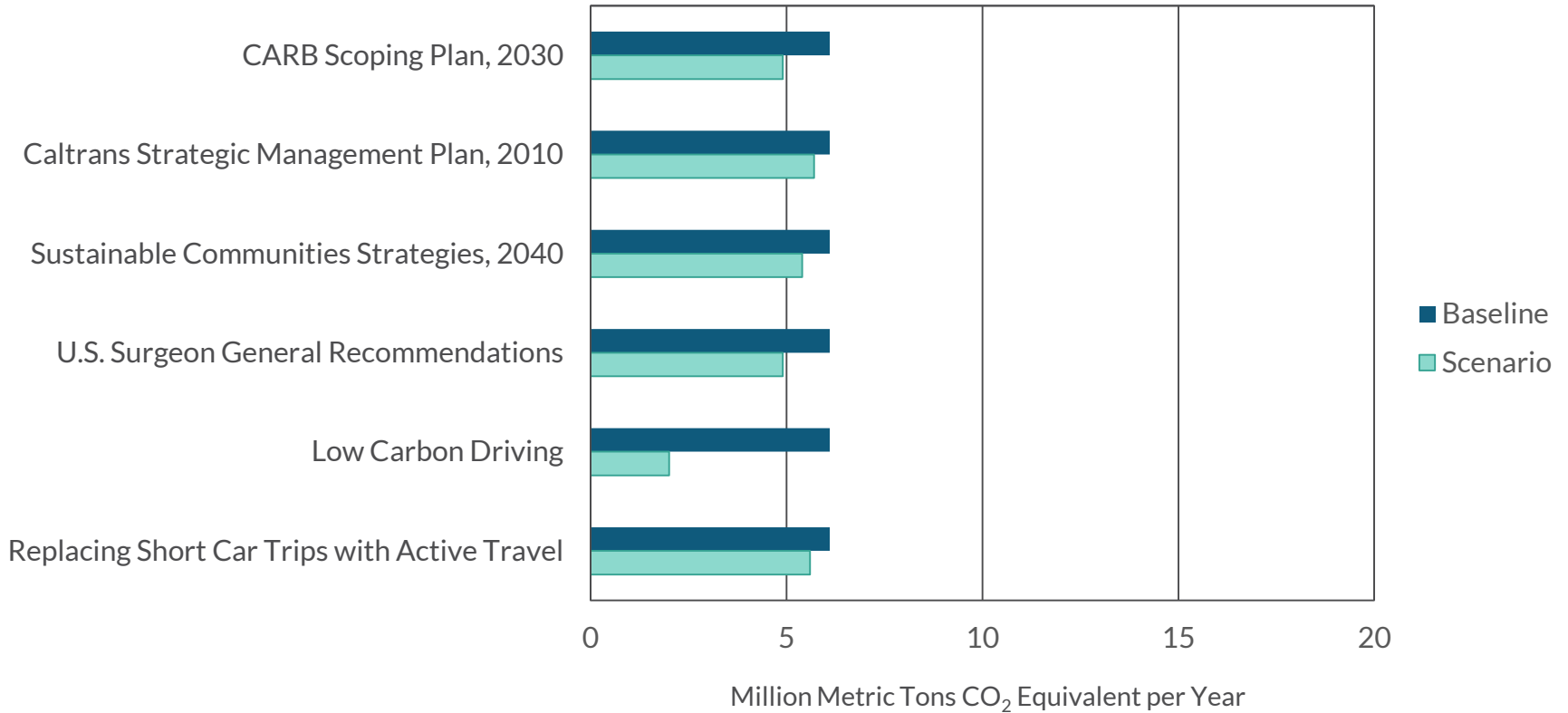
Annual Aggregate Car Carbon Emissions by Scenario and Region, 2010

Figure 4.4 Southern California



Annual Aggregate Car Carbon Emissions by Scenario and Region, 2010

Figure 4.5 San Diego County



Additional tables:

- <https://ww2.arb.ca.gov/ITHIM>