

Appendix C

Performance Metric Data

Table 1 Performance Metric Data for 2040 MTP/SCS

| Description | 2015 Existing | 2020 No Project | 2020 Project (Revenue Constrained) | 2035 No Project | 2035 Project (Revenue Constrained) | 2040 No Project | Alt #2: 2040 Livable Communities | Alt #3: 2040 Maintained Mobility | 2040 Project (Revenue Constrained) |
|--|-------------------|-------------------|------------------------------------|-------------------|---|-------------------|----------------------------------|----------------------------------|------------------------------------|
| Percent of work trips that are 30 minutes or less by mode peak period (percent) | | | | | | | | | |
| SOV/Drive alone | 84.3% | 84.3% | 84.5% | 84.1% | 83.9% | 83.9% | 84.5% | 83.9% | 84.0% 84.5% |
| Shared Ride | 84.3% | 84.3% | 84.5% | 84.1% | 83.9% | 83.9% | 84.5% | 83.9% | 84.0% 84.5% |
| Transit | 13.0% | 13.5% | 17.0% | 13.1% | 15.2% | 13.0% | 15.8% | 14.8% | 14.8% 15.8% |
| Average work trip travel time peak period (in minutes) | 15.6 | 15.5 | 15.5 | 15.6 | 15.7 | 15.7 | 15.5 | 15.7 | 15.7 |
| Percent of jobs within 1/2 mile of a high quality transit stop | 21.4% | 21.2% | 21.2% | 20.7% | 24.7% | 20.6% | 25.3% | 27.8% | 29.6% |
| Transit trips (include bike and pedestrian trips) | 374,215 | 411,724 | 389,101 | 421,261 | 421,383 | 430,781 | 452,215 | 430,142 | 429,302 451,991 |
| Congested vehicle miles travelled peak periods (LOS E & F)** | 499,064 | 641,897 | 641,372 | 1,069,383 | 968,326 | 1,259,191 | 1,047,818 | 1,058,873 | 1,118,524 |
| VMT Total | 15,835,910 | 17,295,814 | 16,751,191 | 19,031,439 | 19,027,718 19,028,461 | 19,741,921 | 19,678,332 | 19,785,172 | 19,687,508 |
| Monterey County VMT | 9,764,441 | 10,610,567 | 10,274,595 | 11,747,637 | 11,708,338 | 12,216,546 | 12,085,405 | 12,208,821 | 12,091,679 |
| San Benito County VMT | 1,382,599 | 1,582,485 | 1,546,333 | 1,970,316 | 1,984,193 | 2,111,029 | 2,118,397 | 2,134,329 | 2,119,312 |
| Santa Cruz County VMT | 4,688,871 | 5,102,762 | 4,930,263 | 5,313,487 | 5,335,930 | 5,414,346 | 5,474,530 | 5,442,022 | 5,476,518 |
| Daily Vehicle Hours of Delay | 32,978 | N/A | N/A | N/A | N/A | 71,322 | N/A | N/A | 59,999 |
| Monterey County | 15,028 | N/A | N/A | N/A | N/A | 30,922 | N/A | N/A | 24,987 |
| Santa Benito County | 2,000 | N/A | N/A | N/A | N/A | 12,309 | N/A | N/A | 10,632 |
| Santa Cruz County | 15,950 | N/A | N/A | N/A | N/A | 28,101 | N/A | N/A | 24,380 |
| **FC 2 where VOC is >0.86, and FC 3-7 where VOC is >=0.90 for peak periods N/A = Not Applicable | | | | | | | | | |

2040 Metropolitan Transportation Plan/ Sustainable Communities Strategy and Regional Transportation Plans for Monterey, San Benito and Santa Cruz Counties

Table 2 SB 375 Greenhouse Gas Data

| Group | Area | Sub-Area | Cal. Year | Season | Veh_Tech | EMFAC2007 Category | Population | VMT | Trips | CO2_TO TEX | Fuel_GAS | Fuel_DSL | CO ₂ lbs. | Per Capita CO ₂ | Population |
|---|-------|---------------|-----------|--------|--------------|--------------------|------------|------------|-------------|------------|----------|----------|----------------------|----------------------------|------------|
| 2015 Existing | | | | | | | | | | | | | | | |
| 1 | AMBAG | All Sub-Areas | 2015 | Annual | All Vehicles | All Vehicles | 334,788.2 | 11,840,839 | 2,073,433.4 | 5,504.5 | 588.8 | 3.70 | 11,009,097 | 14.43 | 762,676 |
| 2020 No Project | | | | | | | | | | | | | | | |
| 1 | AMBAG | All Sub-Areas | 2020 | Annual | All Vehicles | All Vehicles | 345,267 | 12,916,955 | 2,141,967 | 5,920.1 | 628.7 | 5.02 | 11,840,194 | 14.96 | 791,600 |
| 2020 Project | | | | | | | | | | | | | | | |
| 1 | AMBAG | All Sub-Areas | 2020 | Annual | All Vehicles | All Vehicles | 330,807 | 12,377,548 | 2,052,257 | 5,661.5 | 601.2 | 4.80 | 11,323,068 | 14.30 | 791,600 |
| 2035 No Project | | | | | | | | | | | | | | | |
| 1 | AMBAG | All Sub-Areas | 2035 | Annual | All Vehicles | All Vehicles | 395,852 | 13,625,151 | 2,458,868 | 6,142.6 | 649.1 | 5.95 | 12,285,171 | 14.25 | 862,200 |
| 2035 Project | | | | | | | | | | | | | | | |
| 1 | AMBAG | All Sub-Areas | 2035 | Annual | All Vehicles | All Vehicles | 395,713 | 13,619,679 | 2,458,006 | 6,161.1 | 651.0 | 5.97 | 12,322,253 | 14.29 | 862,200 |
| 2040 No Project | | | | | | | | | | | | | | | |
| 1 | AMBAG | All Sub-Areas | 2040 | Annual | All Vehicles | All Vehicles | 415,974 | 14,004,147 | 2,584,505 | 6,321.6 | 667.8 | 6.16 | 12,643,187 | 14.31 | 883,300 |
| 2040 Alt.3 (Maintained Mobility) | | | | | | | | | | | | | | | |
| 1 | AMBAG | All Sub-Areas | 2040 | Annual | All Vehicles | All Vehicles | 417,281 | 14,048,328 | 2,592,626 | 6,355.3 | 671.4 | 6.20 | 12,710,536 | 14.39 | 883,300 |
| 2040 Alt.2 (Livable Communities) | | | | | | | | | | | | | | | |
| 1 | AMBAG | All Sub-Areas | 2040 | Annual | All Vehicles | All Vehicles | 414,070 | 13,934,004 | 2,572,673 | 6,291.9 | 664.7 | 6.14 | 12,583,873 | 14.25 | 883,300 |
| 2040 Project | | | | | | | | | | | | | | | |
| 1 | AMBAG | All Sub-Areas | 2040 | Annual | All Vehicles | All Vehicles | 414,328 | 13,942,733 | 2,574,277 | 6,294.9 | 665.0 | 6.14 | 12,589,843 | 14.25 | 883,300 |

Table 3 Full Fleet Greenhouse Gas Data

| VMT | Trips | TOG_TOTAL | ROG_TOTAL | CO_TOTEX | NOx_TOTEX | CO2_TOTEX | PM10_TOTAL | PM2_5_TOTAL | SOx_TOTEX | Fuel_GAS | Fuel_DSL | VMT per capita | GHG per capita (lbs) | Population |
|--|-----------|-----------|-----------|----------|-----------|-----------|------------|-------------|-----------|----------|----------|----------------|----------------------|------------|
| 2015 Existing | | | | | | | | | | | | | | |
| 15,835,910 | 2,789,354 | 7.39 | 6.69 | 56.0 | 15.1 | 8,132.3 | 1.13 | 0.5634 | 0.0812 | 706.3 | 143.5 | 20.8 | 21.3 | 762,676 |
| 2020 No Project | | | | | | | | | | | | | | |
| 17,295,814 | 2,849,312 | 4.99 | 4.54 | 35.3 | 9.52 | 7,925.0 | 1.09 | 0.4886 | 0.0787 | 668.5 | 153.6 | 21.8 | 20.0 | 791,600 |
| 2020 Project | | | | | | | | | | | | | | |
| 16,751,191 | 2,758,980 | 4.82 | 4.39 | 34.1 | 9.22 | 7,656.4 | 1.06 | 0.4730 | 0.0760 | 645.3 | 148.8 | 21.2 | 19.3 | 791,600 |
| 2035 No Project | | | | | | | | | | | | | | |
| 19,031,439 | 3,269,687 | 2.38 | 2.18 | 14.7 | 3.18 | 6,248.0 | 1.11 | 0.4582 | 0.0615 | 460.7 | 175.1 | 22.1 | 14.5 | 862,200 |
| 2035 Project | | | | | | | | | | | | | | |
| 19,027,718 | 3,268,949 | 2.38 | 2.18 | 14.7 | 3.18 | 6,261.4 | 1.11 | 0.4583 | 0.0616 | 462.2 | 175.0 | 22.1 | 14.5 | 862,200 |
| 2040 No Project | | | | | | | | | | | | | | |
| 19,741,921 | 3,444,653 | 2.04 | 1.86 | 12.9 | 2.93 | 6,314.6 | 1.14 | 0.4689 | 0.0620 | 452.0 | 188.2 | 22.4 | 14.3 | 883,300 |
| 2040 Alt.3 (Maintained Mobility) | | | | | | | | | | | | | | |
| 19,785,172 | 3,451,758 | 2.04 | 1.86 | 12.9 | 2.93 | 6,337.5 | 1.15 | 0.4700 | 0.0622 | 453.8 | 188.7 | 22.4 | 14.3 | 883,300 |
| 2040 Alt. 2 (Livable Communities) | | | | | | | | | | | | | | |
| 19,678,332 | 3,434,809 | 2.03 | 1.85 | 12.8 | 2.91 | 6,291.3 | 1.14 | 0.4673 | 0.0618 | 450.4 | 187.4 | 22.3 | 14.2 | 883,300 |
| 2040 Project | | | | | | | | | | | | | | |
| 19,687,508 | 3,436,400 | 2.03 | 1.85 | 12.9 | 2.91 | 6,294.1 | 1.14 | 0.4675 | 0.0618 | 450.6 | 187.5 | 22.3 | 14.3 | 883,300 |

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