

Fresno COG's Sustainable Communities Strategy Scenario Performance Indicator Comparisons

| Performance Measure/Indicator              | Definition   | Scenario A   | Scenario B   | Scenario C   | Scenario D   | Status Quo   |
|--|--|--|--|--|--|--|
| Greenhouse Gas emission reduction          | Percentage of per person greenhouse gas reduction against 2005.  | 2020: -8.15%<br>2035: -11.85%<br>2040: -12.55%   | 2020: -7.86%<br>2035: -11.32%<br>2040: -11.91%   | 2020: -8.36%<br>2035: -12.40%<br>2040: -13.15%   | 2020: -7.7%<br>2035: -11.4%<br>2040: -12%  | 2020: -6.59%<br>2035: -7.97%<br>2040: -8.56%   |
| Housing                                    | Percent of housing by types  | Single Family: 44.1%<br>Town Homes: 9.0%<br>Multi-Family: 46.9%  | Single Family: 53.1%<br>Town Homes: 9.1%<br>Multi-Family: 37.8%  | Single Family: 45.1%<br>Town Homes: 8.3%<br>Multi-Family: 46.6%  | Single Family: 36.6%<br>Town Homes: 14.6%<br>Multi-Family: 48.8%   | Single Family: 77.7%<br>Town Homes: 7.3%<br>Multi-Family: 15.1%  |
| Residential density                        | Average housing units per acre of <u>new growth</u>  | 8.3 Housing Units per acre   | 7.4 Housing Units per acre   | 8.5 Housing Units per acre   | 10.2 Housing Units per acre  | 4.6 Housing Units per acre   |
| Compact development                        | Average number of people per acre  | 27.6 people per acre   | 21.1 people per acre   | 24.7 people per acre   | 31.1 people per acre   | 13.9 people per acre   |
| Transit-oriented development               | Share of the region's <u>growth</u> in households and employment within half-mile of Bus Rapid Transit (BRT)   | Housing Units: 27,475 (28.0%)<br>Employment: 35,805 (43.7%)  | Housing Units: 20,389 (21.3%)<br>Employment: 29,958 (36.6%)  | Housing Units: 26,416 (27.1%)<br>Employment: 34,646 (42.3%)  | Housing Units: 33,415 (31.1%)<br>Employment: 43,518 (53.1%)  | Housing Units: 5,787 (6.4%)<br>Employment: 9,969 (12.2%)   |
| Land consumption                           | Acres of land consumed due to new development  | 11,226 acres   | 14,675 acres   | 12,542 acres   | 9,961 acres  | 22,308 acres   |
| Important farmland consumed                | Total acres of important farmland (prime, unique and state-wide importance) consumed due to new growth   | 90.6 acres   | 37.6 acres   | 27.4 acres   | 21.3 acres   | 352 acres  |
| Vehicle Miles Traveled (VMT)               | Total Vehicle Miles Traveled (VMT) on a typical day in 2035  | Total VMT: 19,789,601 miles<br>Per capita VMT: 15.2 miles<br>Per capita reduction: -11.1%  | Total VMT: 19,924,347 miles<br>Per capita VMT: 15.3 miles<br>Per capita reduction: -10.5%  | Total VMT: 19,638,153 miles<br>Per capita VMT: 15.1 miles<br>Per capita reduction: -11.8%  | Total VMT: 19,878,208 miles<br>Per capita VMT: 15.3 miles<br>Per capita reduction: -10.7%  | Total VMT: 20,743,263 miles<br>Per capita VMT: 15.9 miles<br>Per capita reduction: -6.8%   |
| Criteria pollutants emissions              | Tons of pollutants released per a typical day in 2035:<br>Carbon Monoxide, Reactive Organic Gases, Nitrogen Oxide, Particulate Matter 10, Particulate Matter 2.5 | Carbon Monoxide: 40 tons<br>Reactive Organic Gases: 4.6 tons<br>Nitrogen Oxide: 11.3 tons<br>Particulate Matter 10: 7.9 tons<br>Particulate Matter 2.5: 1.0 tons<br><i>(All Pass Conformity)</i> | Carbon Monoxide: 40 tons<br>Reactive Organic Gases: 4.6 tons<br>Nitrogen Oxide: 11.4 tons<br>Particulate Matter 10: 7.9 tons<br>Particulate Matter 2.5: 1.0 tons<br><i>(All Pass Conformity)</i> | Carbon Monoxide: 40 tons<br>Reactive Organic Gases: 4.6 tons<br>Nitrogen Oxide: 11.3 tons<br>Particulate Matter 10: 7.8 tons<br>Particulate Matter 2.5: 1.0 tons<br><i>(All Pass Conformity)</i> | Carbon Monoxide: 40 tons<br>Reactive Organic Gases: 4.6 tons<br>Nitrogen Oxide: 11.4 tons<br>Particulate Matter 10: 7.9 tons<br>Particulate Matter 2.5: 1.0 tons<br><i>(All Pass Conformity)</i> | Carbon Monoxide: 41 tons<br>Reactive Organic Gases: 4.8 tons<br>Nitrogen Oxide: 11.6 tons<br>Particulate Matter 10: 8.2 tons<br>Particulate Matter 2.5: 1.0 tons<br><i>(All Pass Conformity)</i> |
| Active Transportation and transit travel   | Weekday person trips by transit, walk and bike modes   | Transit: 49,155 trips<br>Walk: 180,009 trips<br>Bike: 57,065 trips   | Transit: 47,202 trips<br>Walk: 175,316 trips<br>Bike: 56,213 trips   | Transit: 48,765 trips<br>Walk: 177,172 trips<br>Bike: 56,743 trips   | Transit: 51,448 trips<br>Walk: 186,909 trips<br>Bike: 59,302 trips   | Transit: 40,650 trips<br>Walk: 138,033 trips<br>Bike: 48,715 trips   |
| Central Theme of Scenario - Proposed by... |  | Public Input from November 2012 Public Workshop  | Current planning assumptions - member agencies   | Foothill growth to City of Fresno - RTP Roundtable   | Foothill growth to existing communities - Coalition of Community Organizations   |  |