

STAFF RECOMMENDATION MEASURE QUANTIFICATION TABLE

| Measure Number | Measure | | | GHG Reductions | | | |
|----------------|--|--|---|---|--|---|--|
| | Measure Name | Increase | Difference from Public Draft | Staff Recommendation 2030 GHG Reduction | Change in 2030 GHG Reduction from Public Draft | Staff Recommendation 2050 GHG Reduction | Change in 2050 GHG Reduction from Public Draft |
| T-1.1 | Acquire open space conservation lands consistent with the County Multiple Species Conservation Program (MSCP) and future conservation efforts, including acquisition of 2,622 acres by 2020 and an additional 4,370 acres between 2021 and 2030 | Acquire open space conservation lands consistent with the County Multiple Species Conservation Program (MSCP) and future conservation efforts, including acquisition of 2,622 acres by 2020 and an additional 4,370 acres between 2021 and 2030 | No change in calculation | 5,771 | 0 | 5,291 | 0 |
| T-1.2 | Acquire agricultural easements through an expanded Purchase of Agriculture Conservation Easement (PACE) Program, including acquisition of 443 acres of agricultural easements by 2020 and an additional 4,430 acres between 2021 and 2030 | Acquire agricultural easements through an expanded Purchase of Agriculture Conservation Easement (PACE) Program, including acquisition of 443 acres of agricultural easements by 2020 and an additional 4,430 acres between 2021 and 2030 | No change in calculation | 2,330 | 0 | 2,136 | 0 |
| T-1.3 | Focus growth in the county villages to achieve mixeduse, transit-oriented village centers by updating 10 community plans by 2030 and an additional 9 community plans between 2031 and 2040 | Focus growth in the county villages to achieve mixeduse, transit-oriented village centers by updating 10 community plans by 2030 and an additional 9 community plans between 2031 and 2040 | No change in calculation | 13,949 | 0 | 27,913 | 0 |
| T-2.1 | Improve roadway segments, intersections, and bikeways to implement multi-modal enhancements for pedestrian and cyclist comfort and safety along County-maintained public roads by improving 700 centerline miles of roadway segments, including 250 intersections and 210 lane miles of bikeway improvements by 2030 and an additional 500 centerline miles of roadway segments, including 250 intersections and 210 lane miles of bikeway improvements by 2050. | Improve roadway segments, intersections, and bikeways to implement multi-modal enhancements for pedestrian and cyclist comfort and safety along County-maintained public roads by improving 700 centerline miles of roadway segments, including 250 intersections and 210 lane miles of bikeway improvements by 2030 and an additional 500 centerline miles of roadway segments, including 250 intersections and 210 lane miles of bikeway improvements by 2050. | No change in calculation | 604 | 0 | 1,292 | 0 |
| T-2.2 | Reduce emissions from commute Vehicle Miles Traveled (VMT) in new non-residential development by 15% by 2030 | Reduce emissions from commute Vehicle Miles Traveled (VMT) in new non-residential development by 15% by 2030 | No change in calculation | 2,180 | 0 | 3,762 | 0 |
| T-2.3 | Reduce County employee commute Vehicle Miles Traveled (VMT) by 20% by 2030 | Reduce County employee commute Vehicle Miles Traveled (VMT) by 20% by 2030 | No change in calculation | 7,473 | 0 | 7,783 | 0 |
| T-2.4 | Require shared and reduced parking for all new non-residential development to reduce new commute Vehicle Miles Traveled (VMT) by 10% by 2030 | Require shared and reduced parking for all new non-residential development to reduce new commute Vehicle Miles Traveled (VMT) by 10% by 2030 | Correction made to exclude reductions from T-2.2 to avoid double counting. T-2.4 and T-2.2 would both affect new non-residential. | 1,392 | -61 | 2,403 | -105 |

STAFF RECOMMENDATION MEASURE QUANTIFICATION TABLE

| Measure Number | Measure Name | Measure | | GHG Reductions | | | |
|----------------|--|--|---|---|--|---|--|
| | | Increase | Difference from Public Draft | Staff Recommendation 2030 GHG Reduction | Change in 2030 GHG Reduction from Public Draft | Staff Recommendation 2050 GHG Reduction | Change in 2050 GHG Reduction from Public Draft |
| T-3.1 | Require new residential and non-residential construction projects in the unincorporated county to use alternative fuels in 10% of construction equipment during construction by 2030 | Require new residential and non-residential construction projects in the unincorporated county to use alternative fuels in 10% 25% of construction equipment during construction by 2030 | Increased unincorporated county alternative fuels conversion from 10% to 25% of construction equipment during construction by 2030 | 2,213 | 1,328 | 2,243 | 1,346 |
| T-3.2 | Require County projects to use alternative fuels in 10% of construction equipment during construction by 2030. | Require County projects to use alternative fuels in 10% 100% of construction equipment during construction by 2030. | Increased alternative fuels requirement in County projects from 10% to 100% of construction equipment during construction by 2030. | 364 | 328 | 369 | 332 |
| T-3.3 | Retire 800 late-model vehicles (model year 1996 or older) in the unincorporated county by 2030. | Retire 800 1,600 late-model vehicles (model year 1996 or older) in the unincorporated county by 2030. | Increased vehicle retirement target from 800 to 1,600 late-model vehicles (model year 1996 or older) in the unincorporated county by 2030. Also made following corrections: Annual VMT per vehicle MY1997 or newer: 4,248 10,494 Average Emission Factor for Light Duty Vehicles MY1996 or older in San Diego County: 423 gCO ₂ /mi-400 gCO ₂ e/mi Average Emission Factor for Light Duty Vehicles MY1996 or older in San Diego County: 214 gCO ₂ /mi-216 gCO ₂ e/mi Replacement Rate: 50% 48% | 446 | -420 | 0 | 0 |
| T-3.4 | Reduce the County fleet’s GHG emissions levels, including on-road and non-construction off-road vehicles, by 10% by 2020 and 20% by 2030 | Reduce the County fleet’s GHG emissions levels, including on-road and non-construction off-road vehicles, by 10% by 2020 and 20% by 2030 | No change in calculation | 3,673 | 0 | 3,411 | 0 |
| T-3.5 | Install 2,040 Level 2 electric vehicle charging stations (EVCS) through public-private partnerships at priority locations in the unincorporated county by 2030. | Install 2,040 Level 2 electric vehicle charging stations (EVCS) through public-private partnerships at priority locations in the unincorporated county by 2030. | New Measure | 11,987 | 11,987 | 10,100 | 10,100 |
| T-4.1 | Establish a Local Direct Investment Program | Changed depending on changes to other measures | Changed depending on changes to other measures | 153,511 | -36,751 | 0 | 0 |
| E-1.1 | Achieve 10% greater building energy efficiency in all new non-residential development than is required by the 2016 State Energy Code (Title 24 Part 6) by 2020; require all new residential development to meet the State’s Zero Net Energy (ZNE) standards by 2020; and require all new non-residential development to meet the State’s ZNE standards by 2030 | Achieve 10% greater building energy efficiency in all new non-residential development than is required by the 2016 State Energy Code (Title 24 Part 6) by 2020; require all new residential development to meet the State’s Zero Net Energy (ZNE) standards by 2020; and require all new non-residential development to meet the State’s ZNE standards by 2030 | No change in calculation | 38,708 | 0 | 145,215 | 0 |

STAFF RECOMMENDATION MEASURE QUANTIFICATION TABLE

| Measure Number | Measure Name | Measure | | GHG Reductions | | | |
|----------------|--|--|---|---|--|---|--|
| | | Increase | Difference from Public Draft | Staff Recommendation 2030 GHG Reduction | Change in 2030 GHG Reduction from Public Draft | Staff Recommendation 2050 GHG Reduction | Change in 2050 GHG Reduction from Public Draft |
| E-1.2 | Require all new and replacement water heaters in residential development to be either solar, electrically-powered, or tankless gas by 2020 | Require all new and replacement water heaters in residential development to be either solar, electrically-powered, or tankless gas by 2020 | No change in calculation | 19,176 | 0 | 19,176 | 0 |
| E-1.3 | Achieve energy efficiency improvements in one percent of existing residential and non-residential buildings in the unincorporated county by 2030 and an additional four percent by 2050 | Achieve energy efficiency improvements in one percent of existing residential and non-residential buildings in the unincorporated county by 2030 and an additional four percent by 2050 | No change in calculation | 3,694 | 0 | 18,470 | 0 |
| E-1.4 | Reduce energy use intensity at County facilities by 10% below 2014 levels by 2020 and by 15% below 2014 levels by 2030 | Reduce energy use intensity at County facilities by 10% below 2014 levels by 2020 and by 15% 20% below 2014 levels by 2030 | Increased energy use reduction from 15% to 20% below 2014 levels by 2030 | 10,702 | 2,494 | 11,578 | 2,494 |
| E-2.1 | Achieve 90% renewable electricity for the unincorporated county by 2030 | Achieve 90% renewable electricity for the unincorporated county by 2030 | Changed depending on other measures due to reduction in electricity demand from energy efficiency measures. | 229,852 | -516 | 255,564 | -602 |
| E-2.2 | Require installation of renewable electricity systems (e.g., solar photovoltaics, wind) on new non-residential development | Require installation of renewable electricity systems (e.g., solar photovoltaics, wind) on new non-residential development | No change in calculation | 13,444 | 0 | 13,444 | 0 |
| E-2.3 | Increase installation of photovoltaic (PV) electrical systems in 52,273 existing homes by 2020 and an additional 77,902 homes by 2030 | Increase installation of photovoltaic (PV) electrical systems in 52,273 existing homes by 2020 and an additional 77,902 homes by 2030 | No change in calculation | 260,322 | 0 | 260,322 | 0 |
| E-2.4 | Generate 10% of the County's operational electricity on-site with renewables by 2020 and 20% by 2030 | Generate 10% of the County's operational electricity on-site with renewables by 2020 and 20% by 2030 | Changed due to change in Measure E-1.4 reducing electricity demand. | 5,417 | -339 | 5,417 | -338 |
| W-1.1 | Require installation of water-efficient appliances and plumbing fixtures in all new residential construction pursuant to Tier 1 of the California Green Building Standards Code (CALGreen) by 2020 | Require installation of water-efficient appliances and plumbing fixtures in all new residential construction pursuant to Tier 1 of the California Green Building Standards Code (CALGreen) by 2020 | No change in calculation | 87 | 0 | 303 | 0 |
| W-1.2 | Require a 40% reduction from 2014 outdoor water use budgets for landscaping in new and existing residential and non-residential development by 2020 | Require a 40% reduction from 2014 outdoor water use budgets for landscaping in new and existing residential and non-residential development by 2020 | No change in calculation | 17,535 | 0 | 19,087 | 0 |
| W-1.3 | Reduce potable water consumption at County facilities by 15% below 2014 levels by 2020 and 20% below 2014 levels by 2030 | Reduce potable water consumption at County facilities by 15% below 2014 levels by 2020 and 20% below 2014 levels by 2030 | No change in calculation | 276 | 0 | 325 | 0 |
| W-2.1 | Capture, store, and re-use rainwater in existing and new developments by installing 1,200 rain barrels by 2020 and an additional 2,000 rain barrels by 2030 | Capture, store, and re-use rainwater in existing and new developments by installing 1,200 rain barrels by 2020 and an additional 2,000 rain barrels by 2030 | No change in calculation | 23 | 0 | 23 | 0 |

STAFF RECOMMENDATION MEASURE QUANTIFICATION TABLE

| Measure Number | Measure Name | Measure | | GHG Reductions | | | |
|-------------------------|--|--|--|---|--|---|--|
| | | Increase | Difference from Public Draft | Staff Recommendation 2030 GHG Reduction | Change in 2030 GHG Reduction from Public Draft | Staff Recommendation 2050 GHG Reduction | Change in 2050 GHG Reduction from Public Draft |
| SW-1.1 | Achieve 75% solid waste diversion in the unincorporated county by 2030 | Achieve 75% 80% solid waste diversion in the unincorporated county by 2030 | Increased Solid Waste diversion rate from 75% to 80% by 2030 | 79,052 | 21,950 | 86,052 | 23,893 |
| A-1.1 | Convert farm equipment used in the unincorporated county from gas- and petroleum-diesel-powered to electric to achieve an eight percent conversion rate by 2030 | Convert farm equipment used in the unincorporated county from gas- and petroleum-diesel-powered to electric to achieve an eight percent conversion rate by 2030 | No change in calculation | 6,737 | 0 | 6,679 | 0 |
| A-1.2 | Convert stationary petroleum-diesel or gas-powered irrigation pumps to electric to achieve four electric stationary irrigation pumps by 2020 and an additional 40 electric stationary irrigation pumps by 2030 | Convert stationary petroleum-diesel or gas-powered irrigation pumps to electric to achieve four electric stationary irrigation pumps by 2020 and an additional 40 electric stationary irrigation pumps by 2030 | No change in calculation | 3,249 | 0 | 3,249 | 0 |
| A-2.1 | Require trees be planted for every new residential dwelling unit constructed in the unincorporated county at a rate of two trees per new dwelling unit | Require trees be planted for every new residential dwelling unit constructed in the unincorporated county at a rate of two trees per new dwelling unit | No change in calculation | 1,244 | 0 | 2,243 | 0 |
| A-2.2 | Prepare and implement a tree planting program for the unincorporated county to plant a minimum of 3,500 trees annually starting in 2017 | Prepare and implement a tree planting program for the unincorporated county to plant a minimum of 3,500 trees annually starting in 2017 | No change in calculation | 1,735 | 0 | 4,213 | 0 |
| Total Reductions | | | | 897,145 | 0 | 918,063 | 0 |