# ATTACHMENT 2:

## a. Screening Tables

## b. Methodology for the Development and Application of the Screening Tables

# Screening Tables

The purpose of the Screening Tables is to provide guidance in measuring the reduction of greenhouse gas emissions attributable to certain design and construction measures incorporated into development projects. The analysis, methodology is based upon the GHG Plan, which includes GHG emission inventories, a year 2020 emission reduction target, the goals and policies to reach the target, together with the Programmatic EIR prepared for the GHG Plan.

# Instructions for Residential, Commercial, or industrial Projects

The Screening Table assigns points for each option incorporated into a project as mitigation or a project design feature (collectively referred to as "feature"). The point values correspond to the minimum emissions reduction expected from each feature. The menu of features allows maximum flexibility and options for how development projects can implement the GHG reduction measures. Projects that garner at least 100 points will be consistent with the reduction quantities anticipated in the County's GHG Plan. As such, those projects that garner a total of 100 points or greater would not require quantification of project specific GHG emissions reductions. Consistent with CEQA Guidelines, such projects would be determined to have a less than significant individual and cumulative impact for GHG emissions.

# Instructions for Mixed Use Projects

Mixed use projects provide additional opportunities to reduce emissions by combining complimentary land uses in a manner that can reduce vehicle trips. Mixed use projects also have the potential to complement energy efficient infrastructure in a way that reduces emissions. For mixed use projects fill out both Screening Table 1 and Table 2, but proportion the points identical to the proportioning of the mix of uses. As an example, a mixed use project that is 50% commercial uses and 50% residential uses will show ½ point for each assigned point value in Table 1 and Table 2. Add the points from both tables. Mixed use projects that garner at least 100 points will be consistent with the reduction quantities in the County's GHG Plan and are considered less than significant for GHG emissions.

# Instructions for All Projects

Those Projects that garner 100 points using the Screening Tables have provided the “fair share” contribution of reductions and are considered consistent with the GHG Plan.

Those Projects that do not garner 100 points using the screening tables will need to provide additional analysis to determine the significance of GHG emissions. The following tables provide a menu of performance standards/options related to GHG mitigation measures and design features that can be used to demonstrate consistency with the reduction measures and GHG reduction quantities in the GHG Plan.

## Table 1: Screening Table for Implementation of GHG Reduction Measures for Residential Development

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| **Reduction Measure R2E6: Residential Energy Efficiency** | | | |
| **Building Envelope** | | | |
| Insulation | 2008 Baseline (walls R-13:, roof/attic: R-30) | 0 points | |
| | Modestly Enhanced Insulation (walls R-13:, roof/attic: R-38) | 12 points | |
| | Enhanced Insulation (rigid wall insulation R-13, roof/attic: R-38) | 15 points | |
| | Greatly Enhanced Insulation (spray foam wall insulated walls R-15 or higher, roof/attic R-38 or higher) | 18 points | |
| Windows | 2008 Baseline Windows (0.57 U-factor, 0.4 solar heat gain coefficient (SHGC) | 0 points | |
| | Modestly Enhanced Window Insulation (0.4 U-Factor, 0.32 SHGC) | 6 points | |
| | Enhanced Window Insulation (0.32 U-Factor, 0.25 SHGC) | 7 points | |
| | Greatly Enhanced Window Insulation (0.28 or less U-Factor, 0.22 or less SHGC) | 9 points | |
| Cool Roof | Modest Cool Roof (CRRC Rated 0.15 aged solar reflectance, 0.75 thermal emittance) | 10 points | |
| | Enhanced Cool Roof(CRRC Rated 0.2 aged solar reflectance, 0.75 thermal emittance) | 12 points | |
| | Greatly Enhanced Cool Roof (CRRC Rated 0.35 aged solar reflectance, 0.75 thermal emittance) | 14 points | |
| Air Infiltration | Minimizing leaks in the building envelope is as important as the insulation properties of the building. Insulation does not work effectively if there is excess air leakage. | | |
| | Air barrier applied to exterior walls, calking, and visual inspection such as the HERS Verified Quality Insulation Installation (QII or equivalent) | 10 points | |
| | Blower Door HERS Verified Envelope Leakage or equivalent | 8 points | |
| Thermal Storage of Building | Thermal storage is a design characteristic that helps keep a constant temperature in the building. Common thermal storage devices include strategically placed water filled columns, water storage tanks, and thick masonry walls. | | |
| | Modest Thermal Mass (10% of floor or 10% of walls: 12” or more thick exposed concrete or masonry. No permanently installed floor covering such as carpet, linoleum, wood or other insulating materials) | 2 points | |
| | Enhanced Thermal Mass (20% of floor or 20% of walls: 12” or more thick exposed concrete or masonry. No permanently installed floor covering such as carpet, linoleum, wood or other insulating materials) | 4 points | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| **Indoor Space Efficiencies** | | | |
| Heating/ Cooling Distribution System | Minimum Duct Insulation (R-4.2 required) | 0 points | |
| | Modest Duct insulation (R-6) | 7 points | |
| | Enhanced Duct Insulation (R-8) | 8 points | |
| | Distribution loss reduction with inspection (HERS Verified Duct Leakage or equivalent) | 12 points | |
| Space Heating/ Cooling Equipment | 2008 Minimum HVAC Efficiency (SEER 13/60% AFUE or 7.7 HSPF) | 0 points | |
| | Improved Efficiency HVAC (SEER 14/65% AFUE or 8 HSPF) | 4 points | |
| | High Efficiency HVAC (SEER 15/72% AFUE or 8.5 HSPF) | 7 points | |
| | Very High Efficiency HVAC (SEER 16/80% AFUE or 9 HSPF) | 9 points | |
| Water Heaters | 2008 Minimum Efficiency (0.57 Energy Factor) | 0 points | |
| | Improved Efficiency Water Heater (0.675 Energy Factor) | 12 points | |
| | High Efficiency Water Heater (0.72 Energy Factor) | 15 points | |
| | Very High Efficiency Water Heater ( 0.92 Energy Factor) | 18 points | |
| | Solar Pre-heat System (0.2 Net Solar Fraction) | 4 points | |
| | Enhanced Solar Pre-heat System (0.35 Net Solar Fraction) | 8 points | |
| Daylighting | Daylighting is the ability of each room within the building to provide outside light during the day reducing the need for artificial lighting during daylight hours. | | |
| | All peripheral rooms within the living space have at least one window (required) | 0 points | |
| | All rooms within the living space have daylight (through use of windows, solar tubes, skylights, etc.) | 1 points | |
| | All rooms daylighted | 2 points | |
| Artificial Lighting | 2008 Minimum (required) | 0 points | |
| | Efficient Lights (25% of in-unit fixtures considered high efficacy. High efficacy is defined as 40 lumens/watt for 15 watt or less fixtures; 50 lumens/watt for 15-40 watt fixtures, 60 lumens/watt for fixtures >40watt) | 8 points | |
| | High Efficiency Lights (50% of in-unit fixtures are high efficacy) | 10 points | |
| | Very High Efficiency Lights (100% of in-unit fixtures are high efficacy) | 12 points | |
| Appliances | Energy Star Refrigerator (new) | 1 points | |
| | Energy Star Dish Washer (new) | 1 points | |
| | Energy Star Washing Machine (new) | 1 points | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| **Miscellaneous Residential Building Efficiencies** | | | |
| Building Placement | North/South alignment of building or other building placement such that the orientation of the buildings optimizes natural heating, cooling, and lighting. | 5 point | |
| Shading | At least 90% of south-facing glazing will be shaded by vegetation or overhangs at noon on Jun 21st. | 4 Points | |
| Energy Star Homes | EPA Energy Star for Homes (version 3 or above) | 25 points | |
| Independent Energy Efficiency Calculations | Provide point values based upon energy efficiency modeling of the Project. Note that engineering data will be required documenting the energy efficiency and point values based upon the proven efficiency beyond Title 24 Energy Efficiency Standards. | TBD | |
| Other | This allows innovation by the applicant to provide design features that increases the energy efficiency of the project not provided in the table. Note that engineering data will be required documenting the energy efficiency of innovative designs and point values given based upon the proven efficiency beyond Title 24 Energy Efficiency Standards. | TBD | |
| Existing Residential Retrofits | The applicant may wish to provide energy efficiency retrofit projects to existing residential dwelling units to further the point value of their project. Retrofitting existing residential dwelling units within the City is a key reduction measure that is needed to reach the reduction goal. The potential for an applicant to take advantage of this program will be decided on a case by case basis and must have the approval of the City Planning Department. The decision to allow applicants to ability to participate in this program will be evaluated based upon, but not limited to the following;<br>Will the energy efficiency retrofit project benefit low income or disadvantaged residents?<br>Does the energy efficiency retrofit project fit within the overall assumptions in reduction measures associated with existing residential retrofits?<br>Does the energy efficiency retrofit project provide co-benefits important to the City?<br>Point value will be determined based upon engineering and design criteria of the energy efficiency retrofit project. | TBD | |
| **Reduction Measure R2E8: Residential Renewable Energy Generation** | | | |
| Photovoltaic | Solar Photovoltaic panels installed on individual homes or in collective neighborhood arrangements such that the total power provided augments: | | |
| | Solar Ready Homes (sturdy roof and solar ready service panel) | 2 points | |
| | 10 percent of the power needs of the project | 10 points | |
| | 20 percent of the power needs of the project | 15 points | |
| | 30 percent of the power needs of the project | 20 points | |
| | 40 percent of the power needs of the project | 28 points | |
| | 50 percent of the power needs of the project | 35 points | |
| | 60 percent of the power needs of the project | 38 points | |
| | 70 percent of the power needs of the project | 42 points | |
| | 80 percent of the power needs of the project | 46 points | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| | 90 percent of the power needs of the project | 52 points | |
| | 100 percent of the power needs of the project | 58 points | |
| Wind turbines | Some areas of the City lend themselves to wind turbine applications. Analysis of the area's capability to support wind turbines should be evaluated prior to choosing this feature. | | |
| | Individual wind turbines at homes or collective neighborhood arrangements of wind turbines such that the total power provided augments: | | |
| | 10 percent of the power needs of the project | 10 points | |
| | 20 percent of the power needs of the project | 15 points | |
| | 30 percent of the power needs of the project | 20 points | |
| | 40 percent of the power needs of the project | 28 points | |
| | 50 percent of the power needs of the project | 35 points | |
| | 60 percent of the power needs of the project | 38 points | |
| | 70 percent of the power needs of the project | 42 points | |
| | 80 percent of the power needs of the project | 46 points | |
| | 90 percent of the power needs of the project | 52 points | |
| | 100 percent of the power needs of the project | 58 points | |
| Off-site renewable energy project | The applicant may submit a proposal to supply an off-site renewable energy project such as renewable energy retrofits of existing homes that will help implement renewable energy within the City. These off-site renewable energy retrofit project proposals will be determined on a case by case basis and must be accompanied by a detailed plan that documents the quantity of renewable energy the proposal will generate. Point values will be determined based upon the energy generated by the proposal. | TBD | |
| Other Renewable Energy Generation | The applicant may have innovative designs or unique site circumstances (such as geothermal) that allow the project to generate electricity from renewable energy not provided in the table. The ability to supply other renewable energy and the point values allowed will be decided based upon engineering data documenting the ability to generate electricity. | TBD | |
| **Reduction Measure R2WC1: Residential Water Conservation** | | | |
| **Irrigation and Landscaping** | | | |
| Water Efficient Landscaping | Limit conventional turf to < 50% of required landscape area | 0 points | |
| | Limit conventional turf to < 25% of required landscape area | 4 points | |
| | No conventional turf (warm season turf to < 50% of required landscape area and/or low water using plants are allowed) | 6 points | |
| | Only California Native Plants that requires no irrigation or some supplemental irrigation | 8 points | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| Water Efficient irrigation systems | Low precipitation spray heads < .75”/hr or drip irrigation<br>Weather based irrigation control systems or moisture sensors (demonstrate 20% reduced water use) | 2 point<br>3 points | |
| Recycled Water | Recycled connections (purple pipe) to irrigation system on site | 6 points | |
| Water Reuse | Gray water Reuse System collects Gray water from clothes washers, showers and faucets for irrigation use, | 12 points | |
| Storm water Reuse Systems | Innovative on-site stormwater collection, filtration and reuse systems are being developed that provide supplemental irrigation water and provide vector control. These systems can greatly reduce the irrigation needs of a project. Point values for these types of systems will be determined based upon design and engineering data documenting the water savings. | TBD | |
| **Potable Water** | | | |
| Showers | Water Efficient Showerheads (2.0 gpm) | 3 points | |
| Toilets | Water Efficient Toilets (1.5 gpm) | 3 points | |
| Faucets | Water Efficient faucets (1.28 gpm) | 3 points | |
| Dishwasher | Water Efficient Dishwasher (6 gallons per cycle or less) | 1 | |
| Washing Machine | Water Efficient Washing Machine (Water factor <5.5) | 1 | |
| WaterSense | EPA WaterSense Certification | 12 points | |
| **Reduction Measure R2T6: Vehicle Trip Reduction Measures** | | | |
| Mixed Use | Mixes of land uses that complement one another in a way that reduces the need for vehicle trips can greatly reduce GHG emissions. The point value of mixed use projects will be determined based upon a Transportation Impact Analysis (TIA) demonstrating trip reductions and/or reductions in vehicle miles traveled. Suggested ranges:<br>Diversity of land uses complementing each other (2-28 points)<br>Increased destination accessibility other than transit (1-18 points)<br>Increased transit accessibility (1-25 points)<br>Infill location that reduces vehicle trips or VMT beyond the measures described above (points TBD based on traffic data). | TBD | |
| Residential Near Local Retail (Residential only Projects) | Having residential developments within walking and biking distance of local retail helps to reduce vehicle trips and/or vehicle miles traveled.<br>The point value of residential projects in close proximity to local retail will be determined based upon traffic studies that demonstrate trip reductions and/or reductions in vehicle miles traveled (VMT) | TBD | |
| Other Trip | Other trip or VMT reduction measures not listed above with TIA and/or other | TBD | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| Reduction Measures | traffic data supporting the trip and/or VMT for the project. | | |
| **Reduction Measure PS T2: Bicycle Infrastructure** | | | |
| Bicycle Infrastructure | .Provide bicycle paths within project boundaries.<br>Provide bicycle path linkages between residential and other land uses.<br>Provide bicycle path linkages between residential and transit. | TBD<br>2 points<br>5 points | |
| **Reduction Measure R2T5: Renewable Fuel/Alt. Fuel Vehicles (Electric Vehicle Infrastructure)** | | | |
| Electric Vehicle Recharging | Provide circuit and capacity in garages of residential units for use by an electric vehicle. Charging stations are for on-road electric vehicles legally able to drive on all roadways including Interstate Highways and freeways.<br>Install electric vehicle charging stations in the garages of residential units | 1 point<br>8 points | |
| **Reduction Measure R2W5: Construction and Demolition Debris Diversion Program** | | | |
| Recycling of Construction/ Demolition Debris | Recycle 2% of debris (required)<br>Recycle 5% of debris<br>Recycle 8 % of debris<br>Recycle 10% of debris<br>Recycle 12% of debris<br>Recycle 15% of debris<br>Recycle 20% of debris | 0 points<br>1 point<br>2 points<br>3 points<br>4 points<br>5 points<br>6 points | |
| **Reduction Measure R2W6: 75 Percent Solid Waste Diversion Program** | | | |
| Recycling | County initiated recycling program diverting 75% of waste requires coordination in neighborhoods to realize this goal. The following recycling features will help the County fulfill this goal: | | |
| **Total Points Earned by Residential Project:** | | | |

## Table 2: Screening Table for Implementation of GHG Reduction Measures for Commercial Development

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| **Reduction Measure R2E7: Commercial/Industrial Energy Efficiency Development** | | | |
| **Building Envelope** | | | |
| Insulation | 2008 baseline (walls R-13; roof/attic R-30) | 0 points | |
| | Modestly Enhanced Insulation (walls R-13, roof/attic R-38)) | 15 points | |
| | Enhanced Insulation (rigid wall insulation R-13, roof/attic R-38) | 18 points | |
| | Greatly Enhanced Insulation (spray foam insulated walls R-15 or higher, roof/attic R-38 or higher) | 20 points | |
| Windows | 2008 Baseline Windows (0.57 U-factor, 0.4 solar heat gain coefficient [SHGC}) | 0 points | |
| | Modestly Enhanced Window Insulation (0.4 U-factor, 0.32 SHGC) | 7 points | |
| | Enhanced Window Insulation (0.32 U-factor, 0.25 SHGC) | 8 points | |
| | Greatly Enhanced Window Insulation (0.28 or less U-factor, 0.22 or less SHGC) | 12 points | |
| Cool Roof | | | |
| | Modest Cool Roof (CRRC Rated 0.15 aged solar reflectance, 0.75 thermal emittance) | 12 points | |
| | Enhanced Cool Roof (CRRC Rated 0.2 aged solar reflectance, 0.75 thermal emittance) | 14 points | |
| | Greatly Enhanced Cool Roof ( CRRC Rated 0.35 aged solar reflectance, 0.75 thermal emittance) | 16 points | |
| Air Infiltration | Minimizing leaks in the building envelope is as important as the insulation properties of the building. Insulation does not work effectively if there is excess air leakage. | | |
| | Air barrier applied to exterior walls, calking, and visual inspection such as the HERS Verified Quality Insulation Installation (QII or equivalent) | 12 points | |
| | Blower Door HERS Verified Envelope Leakage or equivalent | 10 points | |
| Thermal Storage of Building | Thermal storage is a design characteristic that helps keep a constant temperature in the building. Common thermal storage devices include strategically placed water filled columns, water storage tanks, and thick masonry walls. | | |
| | Modest Thermal Mass (10% of floor or 10% of walls 12” or more thick exposed concrete or masonry with no permanently installed floor covering such as carpet, linoleum, wood or other insulating materials) | 4 points | |
| | Enhanced Thermal Mass (20% of floor or 20% of walls 12” or more thick exposed concrete or masonry with no permanently installed floor covering such as carpet, linoleum, wood or other insulating materials) | 6 points | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| | Enhanced Thermal Mass (80% of floor or 80% of walls 12" or more thick exposed concrete or masonry with no permanently installed floor covering such as carpet, linoleum, wood or other insulating materials) | 24 points | |
| **Indoor Space Efficiencies** | | | |
| Heating/ Cooling Distribution System | Minimum Duct Insulation (R-4.2 required) | 0 points | |
| | Modest Duct insulation (R-6) | 8 points | |
| | Enhanced Duct Insulation (R-8) | 10 points | |
| | Distribution loss reduction with inspection (HERS Verified Duct Leakage or equivalent) | 14 points | |
| Space Heating/ Cooling Equipment | 2008 Minimum HVAC Efficiency (EER 13/60% AFUE or 7.7 HSPF) | 0 points | |
| | Improved Efficiency HVAC (EER 14/65% AFUE or 8 HSPF) | 7 points | |
| | High Efficiency HVAC (EER 15/72% AFUE or 8.5 HSPF) | 8 points | |
| | Very High Efficiency HVAC (EER 16/80% AFUE or 9 HSPF) | 12 points | |
| Commercial Heat Recovery Systems | Heat recovery strategies employed with commercial laundry, cooking equipment, and other commercial heat sources for reuse in HVAC air intake or other appropriate heat recovery technology. Point values for these types of systems will be determined based upon design and engineering data documenting the energy savings. | TBD | |
| Water Heaters | 2008 Minimum Efficiency (0.57 Energy Factor) | 0 points | |
| | Improved Efficiency Water Heater (0.675 Energy Factor) | 14 points | |
| | High Efficiency Water Heater (0.72 Energy Factor) | 16 points | |
| | Very High Efficiency Water Heater (0.92 Energy Factor) | 19 points | |
| | Solar Pre-heat System (0.2 Net Solar Fraction) | 4 points | |
| | Enhanced Solar Pre-heat System (0.35 Net Solar Fraction) | 8 points | |
| Daylighting | Daylighting is the ability of each room within the building to provide outside light during the day reducing the need for artificial lighting during daylight hours. | | |
| | All peripheral rooms within building have at least one window or skylight | 1 points | |
| | All rooms within building have daylight (through use of windows, solar tubes, skylights, etc.) | 5 points | |
| | All rooms daylighted | 7 points | |
| Artificial Lighting | 2008 Minimum (required) | 0 points | |
| | Efficient Lights (25% of in-unit fixtures considered high efficacy. High efficacy is defined as 40 lumens/watt for 15 watt or less fixtures; 50 lumens/watt for 15-40 watt fixtures, 60 lumens/watt for fixtures >40watt) | 9 points | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| | High Efficiency Lights (50% of in-unit fixtures are high efficacy) | 12 points | |
| | Very High Efficiency Lights (100% of in-unit fixtures are high efficacy) | 14 points | |
| Appliances | Star Commercial Refrigerator (new) | 4 points | |
| | Energy Star Commercial Dish Washer (new) | 4 points | |
| | Energy Star Commercial Cloths Washing | 4 points | |
| **Miscellaneous Commercial/Industrial Building Efficiencies** | | | |
| Building Placement | North/South alignment of building or other building placement such that the orientation of the buildings optimizes conditions for natural heating, cooling, and lighting. | 6 point | |
| Shading | At least 90% of south-facing glazing will be shaded by vegetation or overhangs at noon on Jun 21st. | 6 Points | |
| Other | This allows innovation by the applicant to provide design features that increases the energy efficiency of the project not provided in the table. Note that engineering data will be required documenting the energy efficiency of innovative designs and point values given based upon the proven efficiency beyond Title 24 Energy Efficiency Standards. | TBD | |
| Existing Commercial building Retrofits | The applicant may wish to provide energy efficiency retrofit projects to existing commercial buildings to further the point value of their project. Retrofitting existing commercial buildings within the City is a key reduction measure that is needed to reach the reduction goal. The potential for an applicant to take advantage of this program will be decided on a case by case basis and must have the approval of the City Planning Department. The decision to allow applicants to ability to participate in this program will be evaluated based upon, but not limited to the following:<br><br>Will the energy efficiency retrofit project benefit low income or disadvantaged communities?<br><br>Does the energy efficiency retrofit project fit within the overall assumptions in the reduction measure associated with commercial building energy efficiency retrofits?<br><br>Does the energy efficiency retrofit project provide co-benefits important to the City?<br><br>Point value will be determined based upon engineering and design criteria of the energy efficiency retrofit project. | TBD | |
| **Reduction Measure R2E9 and R2E10: New Commercial/Industrial Renewable Energy** | | | |
| Photovoltaic | Solar Photovoltaic panels installed on commercial buildings or in collective | | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| | arrangements within a commercial development such that the total power provided augments: | | |
| | Solar Ready Roofs (sturdy roof and electric hookups) | 2 points | |
| | 10 percent of the power needs of the project | 8 points | |
| | 20 percent of the power needs of the project | 14 points | |
| | 30 percent of the power needs of the project | 20 points | |
| | 40 percent of the power needs of the project | 26 points | |
| | 50 percent of the power needs of the project | 32 points | |
| | 60 percent of the power needs of the project | 38 points | |
| | 70 percent of the power needs of the project | 44 points | |
| | 80 percent of the power needs of the project | 50 points | |
| | 90 percent of the power needs of the project | 56 points | |
| | 100 percent of the power needs of the project | 60 points | |
| Wind turbines | Some areas of the City lend themselves to wind turbine applications. Analysis of the areas capability to support wind turbines should be evaluated prior to choosing this feature. | | |
| | Wind turbines as part of the commercial development such that the total power provided augments: | | |
| | 10 percent of the power needs of the project | 8 points | |
| | 20 percent of the power needs of the project | 14 points | |
| | 30 percent of the power needs of the project | 20 points | |
| | 40 percent of the power needs of the project | 26 points | |
| | 50 percent of the power needs of the project | 32 points | |
| | 60 percent of the power needs of the project | 38 points | |
| | 70 percent of the power needs of the project | 44 points | |
| | 80 percent of the power needs of the project | 50 points | |
| | 90 percent of the power needs of the project | 56 points | |
| | 100 percent of the power needs of the project | 60 points | |
| Off-site renewable energy project | The applicant may submit a proposal to supply an off-site renewable energy project such as renewable energy retrofits of existing commercial/industrial that will help implement reduction measures associated with existing buildings. These off-site renewable energy retrofit project proposals will be determined on a case by case basis accompanied by a detailed plan documenting the quantity of renewable energy the proposal will generate. Point values will be based upon the energy generated by the proposal. | TBD | |
| Other Renewable Energy Generation | The applicant may have innovative designs or unique site circumstances (such as geothermal) that allow the project to generate electricity from renewable energy not provided in the table. The ability to supply other renewable energy and the point values allowed will be decided based upon | TBD | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| | engineering data documenting the ability to generate electricity. | | |
| **Reduction Measure R2E7: Warehouse Renewable Energy Incentive Program** | | | |
| Warehouse Photovoltaic | This measure is for warehouse projects and involves partnership with Sothern California Edison and California Public Utilities Commissions to develop an incentive program for solar installation on new and retrofit existing warehouses. A mandatory minimum solar requirement for new warehouse space. Solar Photovoltaic panels installed on warehouses or in collective arrangements within a logistics/warehouse complex such that the total power provided augments: | | |
| | Solar Ready Roof (sturdy roof and electric hookups) | 2 points | |
| | 10 percent of the power needs of the project | 4 points | |
| | 20 percent of the power needs of the project | 5 points | |
| | 30 percent of the power needs of the project | 7 points | |
| | 40 percent of the power needs of the project | 9 points | |
| | 50 percent of the power needs of the project | 11 points | |
| | 60 percent of the power needs of the project | 13 points | |
| | 70 percent of the power needs of the project | 15 points | |
| | 80 percent of the power needs of the project | 17 points | |
| | 90 percent of the power needs of the project | 19 points | |
| | 100 percent of the power needs of the project | 21 points | |
| **Reduction Measure R2WC1: R2WC-1: Per Capita Water Use Reduction Commercial/Industrial** | | | |
| **Irrigation and Landscaping** | | | |
| Water Efficient Landscaping | Eliminate conventional turf from landscaping | 0 points | |
| | Only moderate water using plants | 3 points | |
| | Only low water using plants | 4 points | |
| | Only California Native landscape that requires no or only supplemental irrigation | 8 points | |
| Trees | Increase tree planting in parking areas 50% beyond City Code requirements | TBD | |
| Water Efficient irrigation systems | Low precipitation spray heads< .75”/hr or drip irrigation | 1 point | |
| | Weather based irrigation control systems combined with drip irrigation (demonstrate 20 reduced water use) | 5 points | |
| Recycled Water | Recycled water connection (purple pipe)to irrigation system on site | 5 points | |
| Storm water Reuse Systems | Innovative on-site stormwater collection, filtration and reuse systems are being developed that provide supplemental irrigation water and provide vector control. These systems can greatly reduce the irrigation needs of a project. Point values for these types of systems will be determined based | TBD | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| | upon design and engineering data documenting the water savings. | | |
| **Potable Water** | | | |
| Showers | Water Efficient Showerheads (2.0 gpm) | 3 points | |
| Toilets | Water Efficient Toilets/Urinals (1.5gpm)<br>Waterless Urinals (note that commercial buildings having both waterless urinals and high efficiency toilets will have a combined point value of 6 points) | 3 points<br>4 points | |
| Faucets | Water Efficient faucets (1.28gpm) | 3 points | |
| Commercial Dishwashers | Water Efficient dishwashers (20% water savings) | 4 points | |
| Commercial Laundry Washers | Water Efficient laundry (15% water savings)<br>High Efficiency laundry Equipment that captures and reuses rinse water (30% water savings) | 3 points<br>6 points | |
| Commercial Water Operations Program | Establish an operational program to reduce water loss from pools, water features, etc., by covering pools, adjusting fountain operational hours, and using water treatment to reduce draw down and replacement of water. Point values for these types of plans will be determined based upon design and engineering data documenting the water savings. | TBD | |
| **Reduction Measure R2T2: Employment Based Trip and VMT Reduction Policy** | | | |
| Compressed Work Week | Reduce the number of days per week that employees need to be on site will reduce the number of vehicle trips associated with commercial/industrial development. Compressed work week such that full time employees are on site: days per week<br>5 days per week<br>4 days per week on site<br>3 days per week on site | <br><br>0 points<br>4 points<br>8 points | |
| Car/Vanpools | Car/vanpool program<br>Car/vanpool program with preferred parking<br>Car/vanpool with guaranteed ride home program<br>Subsidized employee incentive car/vanpool program<br>Combination of all the above | 1 point<br>2 points<br>3 points<br>5 points<br>6 points | |
| Employee Bicycle/ Pedestrian Programs | Complete sidewalk to residential within ½ mile<br>Complete bike path to residential within 3 miles<br>Bike lockers and secure racks | 1 point<br>1 point<br>1 point | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| | Showers and changing facilities<br>Subsidized employee walk/bike program<br>Note combine all applicable points for total value | 2 points<br>3 points | |
| Shuttle/Transit Programs | Local transit within ¼ mile<br>Light rail transit within ½ mile<br>Shuttle service to light rail transit station<br>Guaranteed ride home program<br>Subsidized Transit passes<br>Note combine all applicable points for total value | 1 point<br>3 points<br>5 points<br>1 points<br>2 points | |
| CRT | Employer based Commute Trip Reduction (CRT). CRTs apply to commercial, offices, or industrial projects that include a reduction of vehicle trip or VMT goal using a variety of employee commutes trip reduction methods. The point value will be determined based upon a TIA that demonstrates the trip/VMT reductions. Suggested point ranges:<br>Incentive based CRT Programs (1-8 points)<br>Mandatory CRT programs (5-20 points) | TBD | |
| Other Trip Reductions | Other trip or VMT reduction measures not listed above with TIA and/or other traffic data supporting the trip and/or VMT for the project. | TBD | |
| **Reduction Measure R2T4: Signal Synchronization and Intelligent Traffic Systems** | | | |
| Signal improvements | Signal synchronization-1 point per signal<br>Traffic signals connected to ITS | 1 point/signal<br>3 points/ signal | |
| **Reduction Measure R2T5: Renewable Fuel/Low Emissions Vehicles (EV Charging Stations)** | | | |
| Electric Vehicles | Provide public charging station for use by an electric vehicle (ten points for each charging station within the facility). | 10 points | |
| **Reduction Measure R2T6: Vehicle Trip Reduction Measures** | | | |
| Mixed Use | Mixes of land uses that complement one another in a way that reduces the need for vehicle trips can greatly reduce GHG emissions. The point value of mixed use projects will be determined based upon traffic studies that demonstrate trip reductions and/or reductions in vehicle miles traveled | TBD | |
| Local Retail Near Residential (Commercial only Projects) | Having residential developments within walking and biking distance of local retail helps to reduce vehicle trips and/or vehicle miles traveled.<br>The point value of residential projects in close proximity to local retail will be determined based upon traffic studies that demonstrate trip reductions | TBD | |

| Feature | Description | Assigned Point Values | Project Points |
|---|---|---|---|
| | and/or reductions in vehicle miles traveled | | |
| **Reduction Measure R2W5: Construction and Demolition Debris Diversion Program** | | | |
| Recycling of Construction/ Demolition Debris | Recycle 2% of debris (required)<br>Recycle 5% of debris<br>Recycle 8 % of debris<br>Recycle 10% of debris<br>Recycle 12% of debris<br>Recycle 15% of debris<br>Recycle 20% of debris | 0 points<br>1 point<br>2 points<br>3 points<br>4 points<br>5 points<br>6 points | |
| **Reduction Measure R2W6: 75 Percent Solid Waste Diversion Program** | | | |
| Recycling | County initiated recycling program diverting 75% of waste requires coordination with commercial development to realize this goal. The following recycling features will help the County fulfill this goal:<br>Provide separated recycling bins within each commercial building/floor and provide large external recycling collection bins at central location for collection truck pick-up<br>Provide commercial/industrial recycling programs that fulfills an on-site goal of 75% diversion of solid waste | <br><br>2 points<br><br>5 points | |
| **Total Points from Commercial/Industrial Project:** | | | |

## References

Association of Environmental Professionals (AEP) White Paper: Alternative Approaches to Analyzing Greenhouse Gases and Global Climate Change Impacts in CEQA Documents, June 2007.

Association of Environmental Professionals (AEP) White Paper: Community-wide Greenhouse Gas Emission Inventory Protocols, Mach 2011.

Association of Environmental Professionals (AEP) White Paper: California Supplement to the United States Community-wide Greenhouse Gas Emission Inventory Protocols, Mach 2013.

Bass, Ronald E., Herson, Albert I. and Bogdan, Kenneth M., CEQA Deskbook, April 1999

California Air Pollution Control Officers Association (CAPCOA), White Paper: CEQA and Climate Change, January 2008

California Air Pollution Control Officers Association (CAPCOA), Quantifying Greenhouse Gas Mitigation Measures, August 2010

California Air Resources Board, AB 32 Scoping Plan, December 2009

California Climate Action Team's Final Report to the Governor and Legislature, March 2007

California Climate Action Registry, General Reporting Protocol, Version 2.2, March 2007

San Bernardino County, Draft Greenhouse Reduction Plan, March 2011

South Coast Air Quality Management District, Rules and Regulations, 2010

U.S. Environmental Protection Agency, AP-42, Compilation of Air Pollutant Emission Factors, Fifth Edition, September 1995

U.S. Environmental Protection Agency, AP-42, Final Rule on Update to the Compilation of Air Pollutant Emission Factors, October 2009