

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

Feature	Description	Assigned Point Values	Project Points
<b>Reduction Measure R2E6: Energy Efficiency for New Residential</b>			
<b>Building Envelope</b>			
Insulation	Title 24 standard (required)	0 points	7
	Modestly Enhanced Insulation (5% > Title 24)	3 points	
	Enhanced Insulation (15%> Title 24)	7 points	
	Greatly Enhanced Insulation (20%> Title 24)	9 points	
Windows	Title 24 standard (required)	0 points	7
	Modestly Enhanced Window Insulation (5% > Title 24)	3 points	
	Enhanced Window Insulation (15%> Title 24)	7 points	
	Greatly Enhanced Window Insulation (20%> Title 24)	9 points	
Doors	Title 24 standard (required)	0 points	7
	Modestly Enhanced Insulation (5% > Title 24)	3 points	
	Enhanced Insulation (15%> Title 24)	7 points	
	Greatly Enhanced Insulation (20%> Title 24)	9 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.		7
	Title 24 standard (required)	0 points	
	Modest Building Envelope Leakage (5% > Title 24)	3 points	
	Reduced Building Envelope Leakage (15%> Title 24)	7 points	
Thermal Storage of Building	Minimum Building Envelope Leakage (20% > Title 24)	9 points	0
	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.		
	Thermal storage designed to reduce heating/cooling by 5°F within the building	5 points	
	Thermal storage to reduce heating/cooling by 10°F within the building	10 points	
	Note: Engineering details must be provided to substantiate the efficiency of the thermal storage device.		

Feature		Description	Assigned Point Values	Project Points
<b>Indoor Space Efficiencies</b>				
Heating/ Cooling Distribution System	Title 24 standard (required)		0 points	9
	Modest Distribution Losses (5% > Title 24)		3 points	
	Reduced Distribution Losses (15%> Title 24)		7 points	
	Greatly Reduced Distribution Losses (20%> Title 24)		9 points	
Space Heating/ Cooling Equipment	Title 24 standard (required)		0 points	9
	Efficiency HVAC (5% > Title 24)		3 points	
	High Efficiency HBAC (15%> Title 24)		7 points	
	Very High Efficiency HBAC (20%> Title 24)		9 points	
<b>Building Envelope</b>				
Water Heaters	Title 24 standard (required)		0 points	7
	Efficiency Water Heater (Energy Star conventional that is 5% > Title 24)		3 points	
	High Efficiency Water Heater (Conventional water heater that is 15%> Title 24)		7 points	
	High Efficiency Water Heater (Conventional water heater that is 20%> Title 24)		9 points	
	Solar Water Heating System (this option also implements R2E5)		12 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.			3
	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.) such that each room has at least 800 lumens of light during a sunny day		3 points	
	All rooms daylighted to at least 1,000 lumens		5 points	
Artificial Lighting	Title 24 standard (required)		0 points	7
	Efficient Lights (5% > Title 24)		3 points	
	High Efficiency Lights (LED, etc. 15%> Title 24)		7 points	
	Very High Efficiency Lights (LED, etc. 20%> Title 24)		9 points	
Appliances	Title 24 standard (required)		0 points	7
	Efficient Appliances (5% > Title 24)		3 points	
	High Efficiency Energy Star Appliances (15%> Title 24)		7 points	
	Very High Efficiency Appliances (20%> Title 24)		9 points	

Feature	Description	Assigned Point Values	Project Points
<b>Miscellaneous Residential Building Efficiencies</b>			
Building Placement	North/South alignment of building or other building placement such that the orientation of the buildings optimizes natural heating, cooling, and lighting.	3 point	3
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	0
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	0
Existing Residential Retrofits	<p>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 unincorporated County 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 San Bernardino County Land Use Services Department. The decision to allow applicants to ability to participate in this program will be evaluated based upon, but not limited to the following;</p> <p>Will the energy efficiency retrofit project benefit low income or disadvantaged residents?</p> <p>Does the energy efficiency retrofit project fit within the overall assumptions in Reduction Measure R2E3?</p> <p>Does the energy efficiency retrofit project provide co-benefits important to the County?</p> <p>Point value will be determined based upon engineering and design criteria of the energy efficiency retrofit project.</p>	TBD	0
<b>Reduction Measure R2E8: New Home Renewable Energy</b>			
Photovoltaic	<p>Solar Photovoltaic panels installed on individual homes or in collective neighborhood arrangements such that the total power provided augments:</p> <p>Solar Ready Homes (sturdy roof and electric hookups)</p> <p>10 percent of the power needs of the project</p> <p>20 percent of the power needs of the project</p> <p>30 percent of the power needs of the project</p> <p>40 percent of the power needs of the project</p> <p>50 percent of the power needs of the project</p> <p>60 percent of the power needs of the project</p> <p>70 percent of the power needs of the project</p> <p>80 percent of the power needs of the project</p> <p>90 percent of the power needs of the project</p> <p>100 percent of the power needs of the project</p>	<p>2 points</p> <p>7 points</p> <p>12 points</p> <p>17 points</p> <p>23 points</p> <p>28 points</p> <p>34 points</p> <p>40 points</p> <p>46 points</p> <p>52 points</p> <p>58 points</p>	2

Feature	Description	Assigned Point Values	Project Points
Wind turbines	<p>Some areas of the County lend themselves to wind turbine applications. Analysis of the areas capability to support wind turbines should be evaluated prior to choosing this feature.</p> <p>Individual wind turbines at homes or collective neighborhood arrangements of wind turbines such that the total power provided augments:</p> <p>10 percent of the power needs of the project</p> <p>20 percent of the power needs of the project</p> <p>30 percent of the power needs of the project</p> <p>40 percent of the power needs of the project</p> <p>50 percent of the power needs of the project</p> <p>60 percent of the power needs of the project</p> <p>70 percent of the power needs of the project</p> <p>80 percent of the power needs of the project</p> <p>90 percent of the power needs of the project</p> <p>100 percent of the power needs of the project</p>	<p>7 points</p> <p>12 points</p> <p>17 points</p> <p>23 points</p> <p>28 points</p> <p>34 points</p> <p>40 points</p> <p>46 points</p> <p>52 points</p> <p>58 points</p>	0
Off-site renewable energy project	<p>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 R2E6, or the Warehouse Renewable Energy Incentive Program (R2E3).</p> <p>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.</p>	TBD	0
Other Renewable Energy Generation	<p>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.</p>	TBD	0
<b>Reduction Measure R2WC1: Per Capita Water Use Reduction Goal</b>			
<b>Irrigation and Landscaping</b>			
Water Efficient Landscaping	<p>Limit conventional turf to &lt; 20% of each lot (required)</p> <p>Eliminate conventional turf from landscaping</p> <p>Eliminate turf and only provide drought tolerant plants</p> <p>Xeroscaping that requires no irrigation</p>	<p>0 points</p> <p>3 points</p> <p>4 points</p> <p>6 points</p>	0

Feature		Description	Assigned Point Values	Project Points
Water Efficient irrigation systems	Drip irrigation		1 point	5
	Smart irrigation control systems combined with drip irrigation (demonstrate 20 reduced water use)		5 points	
Recycled Water	Graywater (purple pipe) irrigation system on site		5 points	0
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	0
<b>Potable Water</b>				
Showers	Title 24 standard (required)		0 points	3
	EPA High Efficiency Showerheads (15% > Title 24)		3 points	
Toilets	Title 24 standard (required)		0 points	3
	EPA High Efficiency Toilets (15% > Title 24)		3 points	
Faucets	Title 24 standard (required)		0 points	3
	EPA High Efficiency faucets (15% > Title 24)		3 points	
<b>Reduction Measure R2T5: Renewable Fuel/Low Emissions Vehicles</b>				
Electric Vehicle Recharging	Provide circuit and capacity in garages of residential units for installation of electric vehicle charging stations		1 point	1
	Install electric vehicle charging stations in the garages of residential units		8 points	
<b>Reduction Measure R2T7: Bicycle/Pedestrian Infrastructure</b>				
Sidewalks	Provide sidewalks on one side of the street (required)		0 points	1
	Provide sidewalks on both sides of the street		1 point	
	Provide pedestrian linkage between residential and commercial uses within 1 mile		3 points	
Bicycle paths	Provide bicycle paths within project boundaries		TBD	2
	Provide bicycle path linkages between residential and other land uses		2-points	
	Provide bicycle path linkages between residential and transit		5 points	

Feature	Description	Assigned Point Values	Project Points
<b>Reduction Measure R2T6: Vehicle Trip Reduction Measures</b>			
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 TIA demonstrating trip reductions and/or reductions in vehicle miles traveled. Suggested ranges:  Diversity of land uses complementing each other (2-28 points)  Increased destination accessibility other than transit (1-18 points)  Increased transit accessibility (1-25 points)  Infill location that reduces vehicle trips or VMT beyond the measures described above (points TBD based on traffic data).	TBD	0
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.  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	0
Other Trip Reduction Measures	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	0
<b>Reduction Measure R2W5: Construction and Demolition Debris Diversion Program</b>			
Recycling of Construction/ Demolition Debris	Recycle 2% of debris (required) Recycle 5% of debris Recycle 8 % of debris Recycle 10% of debris Recycle 12% of debris Recycle 15% of debris Recycle 20% of debris	0 points 1 point 2 points 3 points 4 points 5 points 6 points	6
<b>Reduction Measure R2W6: 75 Percent Solid Waste Diversion Program</b>			
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:  Provide greenwaste composting bins at each residential unit  Multi-family residential projects that provide dedicated recycling bens separated by types of recyclables combined with instructions/education program explaining how to use the bens and the importance or recycling.	3 points 2 points	3
<b>Total Points Earned by Residential Project:</b>			102