

**PR 2301 – Examples of Mitigation Measures**

<b>Measure #</b>	<b>Measure</b>	<b>Description*</b>	<b>Quantifiable Yes/ Not Determined/ Possible</b>
	<i><b>Energy Measures</b></i>		
A1	Energy Efficiency	<ul style="list-style-type: none"> <li>Project exceeds Title 24 (e.g., install sufficient solar panels to provide an average annual energy use that exceeds Title 24 for the project)</li> </ul>	Y
A2	Green Energy	<ul style="list-style-type: none"> <li>Purchase renewable (solar, wind, geothermal, or hydropower) “peak” energy from utility</li> </ul>	P
A3	Building Certification (Commercial)	<ul style="list-style-type: none"> <li>Building qualifies for LEED certification, for new construction, with 19 points or Build It Green certification with 33 points in an Air Quality related category<sup>2</sup> (C)</li> </ul>	Y
A4	Building Certification (Residential)	<ul style="list-style-type: none"> <li>Building qualifies for LEED, for home, certification with 57 points or Build It Green certification with 70 points in an Air Quality related category<sup>2</sup> (R)</li> </ul>	Y
A5	Off-peak Energy	<ul style="list-style-type: none"> <li>Building peak-energy use diverted to off-peak energy (e.g., off-peak air conditioning storage systems)</li> </ul>	Y
A6	Boilers & Water Heaters	<ul style="list-style-type: none"> <li>Modernize building to use less energy for space heating, hot water, etc.</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Use waste heat from air conditioning to heat water</li> </ul>	P
A7	Space Heating	<ul style="list-style-type: none"> <li>Install heat pumps</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Increase wall insulation (higher rating on east and west walls)</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Increase ceiling insulation above code</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Use solid wall systems (structural insulated panels, insulated pre-cast concrete, etc.) in floors, walls, and roofs</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Install programmable communicating thermostats</li> </ul>	P
A8	Mechanical Ventilation System for Cooling	<ul style="list-style-type: none"> <li>Install energy reducing ceiling/whole-house fans (R)</li> </ul>	Y
A9	Energy Star Appliances	<ul style="list-style-type: none"> <li>Install highest rating energy star appliances</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Install smart appliances (communicates needed action or service)</li> </ul>	P
		<ul style="list-style-type: none"> <li>Install pool pump controllers</li> </ul>	Y
A10	Energy Efficient Interior Lights	<ul style="list-style-type: none"> <li>Fluorescent lighting, light emitting diode or compact fluorescent bulbs in fixtures and motion sensors for all interior lights</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Install dispatchable, dimmable lighting systems</li> </ul>	P

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A11	Solar Powered Street Lights	<ul style="list-style-type: none"> <li>All street lights are solar powered</li> </ul>	Y
A12	North/South Facing Windows or Skylights	<ul style="list-style-type: none"> <li>90% of windows are North/South facing, skylights, double glazed or glass blocks</li> </ul>	Y
A13	Roofs	<ul style="list-style-type: none"> <li>Install Energy Star roof</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Install green roofing designs</li> </ul>	P
A14	Low-Emission Off-Grid Power sources	<ul style="list-style-type: none"> <li>Low-emission off-grid power sources (microturbines, fuel cells, etc.)</li> </ul>	Y
A15	Urban Heat Island	<ul style="list-style-type: none"> <li>Provide shade (e.g., deciduous trees, exterior awnings) for a minimum of 50% of the non-roof surfaces (within 5 years)</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Use light colored non-roof materials (paving, walkways, building structures)</li> </ul>	Y
A16	Shading Mechanisms	<ul style="list-style-type: none"> <li>Install energy-reducing shading mechanisms for windows, porch, patio and walkway overhangs</li> </ul>	ND
A17	Solar Water Heater	<ul style="list-style-type: none"> <li>Install solar water heater</li> </ul>	Y
A18	Smart Meter	<ul style="list-style-type: none"> <li>Building has a utility supplied smart meter to reduce energy consumption</li> </ul>	P
A19	Green Contractors	<ul style="list-style-type: none"> <li>Contract with landscaping services that use non-polluting equipment (C)</li> </ul>	Y
A20	Solar Ready	<ul style="list-style-type: none"> <li>For residential, solar ready and provide at least 200 sq. ft. south facing roof (R)</li> </ul>	P
A21	Lawnmowers	<ul style="list-style-type: none"> <li>Provide electric lawnmower per single family dwelling unit (R)</li> </ul>	P
A22	Outdoor Cooking	<ul style="list-style-type: none"> <li>Provide electric outdoor grill per single family dwelling unit (R)</li> </ul>	P
A23	Indoor Cooking	<ul style="list-style-type: none"> <li>Replace gas cooking range with electric induction (R)</li> </ul>	Y
	<b><i>Transportation</i></b>		
B1	Mixed-Use	<ul style="list-style-type: none"> <li>Office, commercial, and residential are combined into a single building or a single site</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Project must provide safe and convenient pedestrian and bicycle access to all transit stops within ¼ mile (C)</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Provide bus shelters for existing or planned transit service (C)</li> </ul>	Y
		<ul style="list-style-type: none"> <li>All residential units are within ¼ mile of retail, parks, schools, or other civic uses (R)</li> </ul>	Y

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		<ul style="list-style-type: none"> <li>Bus or streetcar service provides headways of one hour or less for stops within ½ mile (R)</li> </ul>	Y
B2	Neighborhood Electric Vehicle (NEV) Access	<ul style="list-style-type: none"> <li>Project is designed to accommodate NEVs under California Vehicle Codes 21250-66 (e.g., routes, infrastructure, and parking)</li> </ul>	ND
B3	Alternative Fueling Infrastructure	<ul style="list-style-type: none"> <li>Install electrical outlets for plug-in hybrids</li> </ul>	P
		<ul style="list-style-type: none"> <li>Install CNG infrastructure (C)</li> </ul>	P
B4	Diesel Particulate Filters	<ul style="list-style-type: none"> <li>Install highest efficiency filter available for on-road trucks to and from site (C)</li> </ul>	Y
B5	Truck Stop Electrification	<ul style="list-style-type: none"> <li>Provide electrical power for trucks or trailers to power on-board equipment to eliminate engine idling or use of auxiliary IC engines</li> </ul>	Y
B6	Residential Density	<ul style="list-style-type: none"> <li>Project provides high-density residential development, site less than ¼ mile from public transit and more than 500 feet from a diesel corridor (R)</li> </ul>	Y
B7	Neighborhood Shuttles	<ul style="list-style-type: none"> <li>Shuttle or bus rental program for transport to special event centers or other attractions (R)</li> </ul>	P
B8	Vehicle Fleet	<ul style="list-style-type: none"> <li>Enhanced measures to reduce emissions from medium and heavy duty fleet vehicles; fleet vehicles less than 7 years old (C)</li> </ul>	Y
B9	Walkable Neighborhood	<ul style="list-style-type: none"> <li>Install complete, separate, safe, and convenient pedestrian sidewalks/paths that connect multiple uses and which are physically separated from street parking lot traffic</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Place at least 50% of store entrances within 18 feet of adjacent sidewalks</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Provide continuous sidewalks separated from the roadway by landscaping and on-street parking</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Provide clearly delineated crosswalks at intersections</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Provide on and off-site pedestrian facility improvements such as overpasses and wider sidewalks</li> </ul>	Y
		<ul style="list-style-type: none"> <li>Provide shaded pathways (e.g., provide trees along streets or building overhangs) and street lighting</li> </ul>	ND

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		<ul style="list-style-type: none"> <li>Provide traffic calming modifications to project roads, such as narrower streets, speed platforms, bulb-outs and intersection modifications designed to reduce vehicle speeds, and to encourage pedestrian and bicycle travel. Link cul-de-sacs and dead-end streets to encourage pedestrian and bicycle travel</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Provide a parking lot design that includes clearly marked and shaded pedestrian pathways between transit facilities and building entrances</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Provide pedestrian access between bus service and major transportation points and destination points within the project</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Minimize setback distance between development and transit, bicycle, or pedestrian corridor as well as between development and neighboring properties</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Multiple and direct street routing (grid style)</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Minimize pedestrian barriers that prevent access and interconnectivity, wider sidewalks, traffic calming</li> </ul>	ND
B10	Bike Lanes	<ul style="list-style-type: none"> <li>A biking network is completed to connect at least 50% of project to diverse uses within 3 miles (R)</li> </ul>	Y
B11	Bike Parking	<ul style="list-style-type: none"> <li>Provide one bicycle space for every 20 car parking spaces at apartments and condominium projects (R)</li> </ul>	ND
B12	Bicycle Programs	<ul style="list-style-type: none"> <li>Provide plentiful and secure bicycle parking facilities, such as bicycle lockers or secure racks (C)</li> </ul>	ND
B13	Parking Spaces	<ul style="list-style-type: none"> <li>Provide preferential parking spaces for carpools, vanpools, EVs, and alternative fuel vehicles near the entrance of buildings and provide 7'2" minimum vertical clearance in parking facilities for vanpool vehicles</li> </ul>	ND
		<ul style="list-style-type: none"> <li>Provide minimum amount of parking required or reductions less than code</li> </ul>	P
B14	EVs/Alternative Fuel Vehicle Parking	<ul style="list-style-type: none"> <li>Provide a reduced or no parking fees for EVs or alternative fuel vehicles (C)</li> </ul>	ND
B15	Provide Ridesharing Incentive or Transit Pass Subsidy	<ul style="list-style-type: none"> <li>Provide incentive packages such as a one year subsidy allowance to employees (e.g., \$2 per day per employee or \$520 per year)</li> </ul>	Y

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B16	Transportation Programs	<ul style="list-style-type: none"> <li>Develop rideshare program for projects with under 250 employees at worksite that would achieve a 1.5 AVR (C)</li> </ul>	Y

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