

**PR 2301 – Examples of Quantifiable Mitigation Measures<sup>1</sup>  
Residential**

Measure #	Measure	Description <sup>2</sup>	Potential reductions <sup>3</sup>
	<b><i>Energy Measures</i></b>		
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 household energy use of that exceeds Title 24 for the project)</li> </ul>	1%
A2	Boilers & Water Heaters	<ul style="list-style-type: none"> <li>Modernize building to use less energy for space heating, hot water, etc.</li> </ul>	
		<ul style="list-style-type: none"> <li>Use waste heat from air conditioning to heat water</li> </ul>	
A3	Space Heating	<ul style="list-style-type: none"> <li>Install heat pumps</li> </ul>	n/a
		<ul style="list-style-type: none"> <li>Increase wall insulation (higher rating on east and west walls)</li> </ul>	
		<ul style="list-style-type: none"> <li>Increase ceiling insulation above code</li> </ul>	
A4	Energy Star Appliances	<ul style="list-style-type: none"> <li>Install highest rating energy efficient refrigerator, dishwasher, and clothes washing machine</li> </ul>	n/a
A5	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>	
A6	Solar Ready	<ul style="list-style-type: none"> <li>For residential, solar ready and provide at least 200 sq. ft. south facing roof</li> </ul>	1%
A7	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>	0.5%
A8	Roofs	<ul style="list-style-type: none"> <li>Install Energy Star roof</li> </ul>	0.5-1%
		<ul style="list-style-type: none"> <li>Use light colored roofing materials</li> </ul>	n/a
		<ul style="list-style-type: none"> <li>Install green roofing designs</li> </ul>	1%
A9	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>	1-3%
A10	Fireplace	<ul style="list-style-type: none"> <li>No fireplaces or outdoor fire pits</li> </ul>	
A11	Urban Heat Island	<ul style="list-style-type: none"> <li>Use light colored non-roof materials</li> </ul>	n/a
A12	Lawnmowers	<ul style="list-style-type: none"> <li>Provide electric lawnmower per single family dwelling unit</li> </ul>	1%
A13	Outdoor Cooking	<ul style="list-style-type: none"> <li>Provide electric outdoor grill per single family dwelling unit</li> </ul>	
A14	Indoor Cooking	<ul style="list-style-type: none"> <li>Replace gas cooking range with electric induction</li> </ul>	
A15	Solar Water Heater	<ul style="list-style-type: none"> <li>Install solar water heater per single family dwelling unit</li> </ul>	
	<b><i>Transportation</i></b>		
B1	Mixed-Use	<ul style="list-style-type: none"> <li>All residential units are within ¼ mile of retail, parks, schools, or other civic uses</li> </ul>	0.05-2%

<sup>1</sup> As determined in the most current URBEMIS model, AQMD rules methodologies, or CARB emission methodologies.

<sup>2</sup> Unless otherwise indicated, each bulleted item is counted as a separate mitigation measure.

<sup>3</sup> Consideration of Climate Change in CEQA Analyses, Draft White Paper, October 17, 2007, preliminary study subject to change.

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		<ul style="list-style-type: none"> <li>Office, commercial, and residential are combined into a single building or a single site</li> </ul>	3-9%
		<ul style="list-style-type: none"> <li>Bus or streetcar service provides headways of one hour or less for stops within ½ mile</li> </ul>	
B2	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</li> </ul>	1-4%
B3	Neighborhood Shuttles	<ul style="list-style-type: none"> <li>Shuttle or bus rental program for transport to special event centers or other attractions</li> </ul>	
	<b><i>Parking</i></b>		
C1	Parking Strategies	<ul style="list-style-type: none"> <li>Additional reductions if located near transit station</li> </ul>	
C2	Park and Ride Lots	<ul style="list-style-type: none"> <li>Build park and ride lots</li> </ul>	
	<b><i>Other</i></b>		
D1	Provide Ridesharing Incentive or Transit Pass Subsidy	<ul style="list-style-type: none"> <li>Provide incentives to encourage transit use or ridesharing (e.g., \$2 per day per dwelling unit or \$520 per dwelling unit per year)</li> </ul>	
D2	Innovations in VMT reduction	<ul style="list-style-type: none"> <li>Implement strategy that reduces vehicle emissions or VMT</li> </ul>	

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