PR 2301 – Examples of Quantifiable Mitigation Measures in URBEMIS Residential

Measure #	Measure	Description[1]
	Operational	
A1	Energy Efficiency	• Project exceeds Title 24
A2	Solar Panels	• Install sufficient solar panels to provide an average annual household energy use of that exceeds Title 24 for the project
	Energy Measures	
B1	Boilers & Water Heaters	• Modernize building to use less energy for space heating, hot water, etc.
		• Use tankless water heater
		• Use waste heat from air conditioning to heat water
B2	Space Heating	• Install heat pumps
		• Increase wall insulation (higher rating on east and west walls)
		• Increase ceiling insulation above code
B3	Energy Star Appliances	• Install highest rating energy efficient refrigerator and clothes washing machine
B4	Energy Efficient Interior Lights	• Fluorescent lighting, light emitting diode or compact fluorescent bulbs in fixtures and motion sensors for all interior lights
B5	Solar Ready	• For residential, solar ready and provide at least 200 sq. ft. south facing roof
B6	North/South Facing Windows or Skylights	• 90% of windows are North/South facing, skylights, double glazed or glass blocks
B7	Roofs	• Install Energy Star roof
		• Use light colored roofing materials
B8	Low-Emission Off-Grid Power sources	• Low-emission off-grid power sources (microturbines, fuel cells, etc.)
B9	Fireplace	• No fireplaces or outdoor fire pits
B10	Urban Heat Island	• Use light colored non-roof materials
B11	Lawnmowers	• Provide electric lawnmower per single family dwelling unit
B12	Outdoor Cooking	• Provide electric outdoor grill per single family dwelling unit
B13	Solar Water Heater	• Install solar water heater per single family dwelling unit
B14	Other	• Replace gas cooking range with electric induction
	Transportation	
C1	Mixed-Use	• All residential units are within ¼ mile of retail, parks, schools, or other civic uses
		• Office, commercial, and residential are combined into a single building or a single site

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[1] Unless otherwise indicated, each bulleted item is counted as a separate mitigation measure.

PR 2301 – Examples of Quantifiable Mitigation Measures in URBEMIS
Residential

Measure #	Measure	Description[1]
C2	Residential Density	• Project provides high-density residential development
C3	Neighborhood Shuttles	• Shuttle or bus rental program for transport to special event centers or other attractions
	Parking	
D1	Parking Strategies	• Paid parking or parking cash-out
		• Additional reductions if located near transit station
D2	Parking Spaces	• Provide preferential carpool parking spaces near the entrance of buildings
D3	Park and Ride Lots	• Build park and ride lots
	Other	
E1	Provide Ridesharing Incentive or Transit Pass Subsidy	• Provide incentives to encourage transit use or ridesharing (e.g., $2 per day per dwelling unit or $520 per dwelling unit per year)
E2	Innovations in Energy Efficiency	• Implement technology that increases energy efficiency of building beyond Title 24
E3	Innovations in VMT reduction	• Implement strategy that reduces vehicle emissions or VMT

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January 31, 2008