

Exhibit III, Demand-Side Resources – Measure Lives

Commercial and Industrial Measures	Years
Commercial and Industrial HVAC and Refrigeration	
• HVAC -Unitary Systems	15
• HVAC - Central Systems	15
• Heat Recovery Systems	15
• Chillers	20
Commercial and Industrial Controls	
• HVAC Controls, including Energy Management Systems	15
• Lighting Control Systems	15
• Process and Other Efficiency Control Systems	10
• Commissioning/Retro-commissioning	5
Commercial and Industrial Process Efficiency Improvements	
• Refrigeration Systems	19
• Motor and Drive Systems	15
• Fan, Compressor and Pump Systems	15
• ENERGY STAR Qualified Transformers	15
• Other Process Modifications	15
• Food Storage – Free standing Freezers	19
• Food Storage – Free standing Refrigerators	19
• Laundry - Commercial ENERGY STAR Qualified Clothes Washer	8
Commercial and Industrial Lighting Improvements	
• Fluorescent, Compact Fluorescent, or HID Luminaires/Fixtures	12
• LED and EL Exit Signs	10
• Low Voltage Halogen	10
Commercial and Industrial Building Thermal Improvements	
• Roof, Ceiling and Wall Insulation	15
• Exterior Roof Insulation	10
• Duct Insulation	15
• Insulated Windows (minimum Class .35 for new construction)	20
Commercial and Industrial Domestic Water Heating Improvements	
• Insulation	10
• Low Flow Devices	5
• Heat Pump Water Heaters	15
• Water Heater Tank, not to exceed warranty period	Up to 15

Measure lives are consistent with PSE's filed Electricity Conservation tariffs and/or RTF. This list may not include all possible measures. For Measures not listed, respondent should recommend a measure life, with supporting data, experience, or evaluation findings.

See next page for Residential Measures.

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Residential Measures	Years
Residential Lighting	
• Screw-in CFL's (ENERGY STAR qualified)	9
• CFL Fixtures (ENERGY STAR qualified)	15
Residential HVAC	
• Air-source heat pump conversions-Mobile homes (ENERGY STAR qualified & install to RTF specification)	18
• Air-source heat pump upgrades-Mobile homes (ENERGY STAR qualified & install to RTF specification)	18
• Heating supply duct sealing - Single family (PTCS or qualifying equivalent specification)	20
• Heating duct sealing - Mobile home (PTCS or qualifying equivalent specification)	20
• Heating supply duct insulation	20
Residential Water Heating	
• Domestic water heater (natural gas) = .62 EF or greater	12
• Water heater pipe insulation	15
• Shower head & aerator replacement	6
Residential Envelope – Existing & New Construction	
• Shell insulation - Single & Multi-family	30
Residential Appliances	
• Dishwasher (ENERGY STAR qualified)	9
• Washing machine (ENERGY STAR qualified)	14

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