

# Exhibit C. Measure Lives

Commercial and Industrial Measures	Years
<b>Commercial and Industrial HVAC and Refrigeration</b>	
HVAC -Unitary Systems	15
HVAC - Central Systems	15
Heat Recovery Systems	15
Chillers	20
<b>Commercial and Industrial Controls</b>	
HVAC Controls, including Energy Management Systems	15
Lighting Control Systems	15
Process and Other Efficiency Control Systems	10
Commissioning/Retro-commissioning	5
<b>Commercial and Industrial Process Efficiency Improvements</b>	
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
<b>Commercial and Industrial Lighting Improvements</b>	
Fluorescent, Compact Fluorescent, or HID Luminaires/Fixtures	12
LED and EL Exit Signs	10
Low Voltage Halogen	10
<b>Commercial and Industrial Building Thermal Improvements</b>	
Roof, Ceiling and Wall Insulation	15
Exterior Roof Insulation	10
Duct Insulation	15
Insulated Windows (minimum Class .35 for new construction)	20
<b>Commercial and Industrial Domestic Water Heating Improvements</b>	
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
<b>Residential Lighting</b>	
Screw-in CFL's (ENERGY STAR qualified)	9
CFL Fixtures (ENERGY STAR qualified)	15
<b>Residential HVAC</b>	
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
<b>Residential Water Heating</b>	
Domestic water heater (natural gas) = .62 EF or greater	12
Water heater pipe insulation	15
Shower head & aerator replacement	6
<b>Residential Envelope – Existing &amp; New Construction</b>	
Shell insulation - Single & Multi-family	30
<b>Residential Appliances</b>	
Dishwasher (ENERGY STAR qualified)	9
Washing machine (ENERGY STAR qualified)	14

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