

| Change | Measure Code | Measure Description | Load Profile | Measure Life | Incentive per Quantity | Incremental (TRC) Cost per Quantity | Savings (Therms) per Quantity | 2017 WA-Only GAS AC per measure | Estimated Max Incentive (2017 AC) | Engineer's Notes | NPV of NEBs per Quantity | UCT BCR (2017 AC) | TRC BCR (WA-only AC) | 2017 Levelized Cost (5.53% Discount Rate) | MAD # |
|--------|------------------|---|--------------|--------------|------------------------|-------------------------------------|-------------------------------|---------------------------------|-----------------------------------|------------------|--------------------------|-------------------|----------------------|---|-------|
| | AERATORGNLYOP5 | Aerator - Gas Hot Water - Bathroom 0.5 GPM or less | RESDHWG | 10 | \$ 3.00 | \$ 8.66 | 19.1 | \$60.53 | \$8.66 | | \$538.06 | \$ 20.18 | \$ 69.12 | \$0.02 | 1 |
| | AERATORGNLYK1P5 | Aerator - Gas Hot Water - Kitchen 1.5 GPM or less | RESDHWG | 10 | \$ 3.00 | \$ 8.66 | 7.9 | \$25.04 | \$8.66 | | \$221.56 | \$ 8.35 | \$ 28.47 | \$0.05 | 1 |
| | BESHWNDGWA15 | ShowerWAND - gas 1.5GPM or less | RESDHWG | 10 | \$ 10.00 | \$ 35.00 | 7.7 | \$24.40 | \$24.40 | | \$284.86 | \$ 2.44 | \$ 8.84 | \$0.17 | 77 |
| | BESTEAMTRAP | Steam Traps - laundry and K-12 schools:Effective January 1, 2016 Schools Only. | GEXPRO | 6 | \$ 250.00 | \$ 157.35 | 111.7 | \$210.31 | \$157.35 | The max f | \$0.00 | \$ 0.84 | \$ 1.34 | \$0.44 | 42 |
| | BEWASHGASPART | Commercial Clothes Washer-Gas Water Heat | GEXPRO | 7 | \$ 80.00 | \$ 355.00 | 32 | \$70.29 | \$70.29 | | \$726.64 | \$ 0.88 | \$ 2.24 | \$0.43 | 89 |
| | COMBOOVGASWA | Gas Combination Ovens | GNEWPRO | 12 | \$ 750.00 | \$ 1.00 | 290 | \$1,069.99 | \$1,069.99 | The Energ | \$0.00 | \$ 1.43 | \$ 1,069.99 | \$0.29 | 101 |
| | GASSTEAMCOOK | Steam Cooker - Gas | GNEWPRO | 12 | \$ 2,600.00 | \$ 870.00 | 1308 | \$4,826.01 | \$870.00 | The Energ | \$10,769.04 | \$ 1.86 | \$ 17.93 | \$0.23 | 101 |
| | GFBOIL2500 | Boiler > 2,500 kBtuh input | GEXSPHT | 35 | \$ 8.00 | \$ 10.00 | 2.85 | \$32.96 | \$10.00 | | \$0.00 | \$ 4.12 | \$ 3.30 | \$0.17 | 88 |
| | GFBOIL300 | Boiler < 300 kBtuh input | GEXSPHT | 35 | \$ 10.00 | \$ 16.00 | 2.85 | \$32.96 | \$16.00 | | \$0.00 | \$ 3.30 | \$ 2.06 | \$0.22 | 88 |
| | GFBOIL3002500 | Boiler ≥ 300, ≤ 2,500 kBtuh input | GEXSPHT | 35 | \$ 9.00 | \$ 13.00 | 2.85 | \$32.96 | \$13.00 | | \$0.00 | \$ 3.66 | \$ 2.54 | \$0.20 | 88 |
| | GREENIRPOLY | Infrared (IR) polyethylene greenhouse cover | GEXSPHT | 4 | \$ 0.32 | \$ 0.10 | 0.23 | \$0.35 | \$0.10 | For green | \$0.00 | \$ 1.10 | \$ 3.52 | \$0.39 | 104 |
| | GREENTHCUR | Thermal Curtains Installed on Greenhouses | GEXPRO | 10 | \$ 0.30 | \$ 1.17 | 0.41 | \$1.29 | \$1.17 | For green | \$0.00 | \$ 4.29 | \$ 1.10 | \$0.10 | 104 |
| | GREENUNDERBENCH | Under-bench heating Green house | GEXSPHT | 12 | \$ 1.05 | \$ 2.19 | 1.25 | \$5.83 | \$2.19 | For green | \$0.00 | \$ 5.55 | \$ 2.66 | \$0.10 | 104 |
| | GRNCNTRL | Greenhouse controllers | GEXSPHT | 15 | \$ 0.10 | \$ 0.58 | 0.28 | \$1.66 | \$0.58 | For green | \$0.00 | \$ 16.57 | \$ 2.86 | \$0.03 | 103 |
| | INSATTICGWA | Attic Insulation - Gas heating | GEXSPHT | 30 | \$ 0.60 | \$ 0.90 | 0.25 | \$2.69 | \$0.90 | | \$0.00 | \$ 4.48 | \$ 2.99 | \$0.16 | 68 |
| | INSROOFGWR20 | Roof Insulation R-5 to R-20 gas heat | GEXSPHT | 30 | \$ 0.30 | \$ 0.64 | 0.09 | \$0.97 | \$0.64 | | \$0.00 | \$ 3.23 | \$ 1.51 | \$0.22 | 68 |
| | INSROOFGWA | Roof Insulation - Gas heating | GEXSPHT | 30 | \$ 0.60 | \$ 0.64 | 0.25 | \$2.69 | \$0.64 | | \$0.00 | \$ 4.48 | \$ 4.20 | \$0.16 | 68 |
| | INSWALLGWA | Wall Insulation - Gas heating | GEXSPHT | 30 | \$ 0.60 | \$ 1.41 | 0.16 | \$1.72 | \$1.41 | | \$0.00 | \$ 2.87 | \$ 1.22 | \$0.25 | 68 |
| | MFSTEAMTRAPWA | Multifamily Steam Traps | GEXPRO | 6 | \$ 100.00 | \$ 100.00 | 99 | \$186.40 | \$100.00 | | \$0.00 | \$ 1.86 | \$ 1.86 | \$0.20 | 40 |
| | NCBVD | Boiler Vent Damper | GEXSPHT | 12 | \$ 1,000.00 | \$ 1,500.00 | 270 | \$1,258.50 | \$1,258.50 | The MAD | \$0.00 | \$ 1.26 | \$ 0.84 | \$0.42 | |
| | NCCONVOVENWA | Convection Oven - Gas - Full Size | GEXPRO | 12 | \$ 600.00 | \$ 1.00 | 302 | \$1,114.26 | \$1,114.26 | The Energ | \$0.00 | \$ 1.86 | \$ 1,114.26 | \$0.23 | 100 |
| | NCDHWCONDWF | MF Domestic Tank Water Heaters | GEXPRO | 18 | \$ 2.50 | \$ 4.91 | 2.21 | \$11.81 | \$4.91 | Water hea | \$0.00 | \$ 4.72 | \$ 2.41 | \$0.10 | 21 |
| | NCDHWCONDWA | Domestic Tank Water Heaters | GEXPRO | 18 | \$ 4.00 | \$ 5.04 | 1.37 | \$7.32 | \$5.04 | Water hea | \$0.00 | \$ 1.83 | \$ 1.45 | \$0.25 | 21 |
| | NCHVACUNCON | HVAC Unit Heater | GEXSPHT | 18 | \$ 3.00 | \$ 5.23 | 1.05 | \$7.53 | \$5.23 | | \$0.00 | \$ 2.51 | \$ 1.44 | \$0.25 | 11 |
| | NCIRGASFRY2014 | Gas Fryer | GEXPRO | 12 | \$ 800.00 | \$ 1,120.00 | 569 | \$2,099.39 | \$1,120.00 | For fryers | \$0.00 | \$ 2.62 | \$ 1.87 | \$0.16 | 101 |
| | NCIRGASGRI | Gas Griddle | GEXPRO | 12 | \$ 500.00 | \$ 1,492.00 | 147 | \$542.37 | \$542.37 | The Energ | \$0.00 | \$ 1.08 | \$ 0.36 | \$0.39 | 101 |
| | NCWAFCON | Warm-Air Furnace < 225 kBtuh input | GEXSPHT | 18 | \$ 3.00 | \$ 6.50 | 0.967 | \$6.94 | \$6.50 | The MAD | \$0.00 | \$ 2.31 | \$ 1.07 | \$0.27 | |
| | NCWHEL | Domestic Tankless Water Heaters - Coin Op Laundries | GEXPRO | 15 | \$ 2.00 | \$ 5.00 | 2.58 | \$11.65 | \$3.00 | The MAD | \$0.00 | \$ 5.83 | \$ 2.33 | \$0.08 | 72 |
| | NCWHEL | Domestic Tankless Water Heaters - Food service | GEXPRO | 15 | \$ 2.00 | \$ 3.95 | 0.57 | \$2.57 | \$3.00 | The MAD | \$0.00 | \$ 1.29 | \$ 0.65 | \$0.34 | 72 |
| | NCWHEL | Domestic Tankless Water Heaters - Lodging | GEXPRO | 15 | \$ 2.00 | \$ 5.00 | 1.11 | \$5.01 | \$3.00 | The MAD | \$0.00 | \$ 2.51 | \$ 1.00 | \$0.17 | 72 |
| | NEW | Greenhouse condensing unit heaters | GEXSPHT | 12 | \$ 5.00 | \$ 11.18 | 6.29 | \$29.32 | \$11.18 | | \$0.00 | \$ 5.86 | \$ 2.62 | \$0.09 | 134 |
| | NEW | Modulating Boiler Burner installed on Hot Water Boiler (condensing or non-condensing type) or on steam boiler. | GEXSPHT | 20 | \$ 2.00 | \$ 4.02 | 0.8 | \$6.41 | \$4.02 | | \$0.00 | \$ 3.20 | \$ 1.59 | \$0.20 | 142 |
| | NEW | Showerhead or Showerwand 1.50gpm Any Commercial Building Except Fitness Center Gas Water Heating Direct Install | GEXPRO | 10 | \$ 12.00 | \$ 35.00 | 9.9 | \$31.07 | \$31.07 | | \$284.86 | \$ 2.59 | \$ 9.03 | \$0.16 | 77 |
| | NEW | Showerhead or Showerwand 1.50gpm Fitness Center Gas Water Heating Direct Install | GEXPRO | 10 | \$ 12.00 | \$ 35.00 | 92.8 | \$291.21 | \$35.00 | | \$5,404.39 | \$ 24.27 | \$ 162.73 | \$0.02 | 77 |
| | PIPEINSLN | Pipe Insulation - Hot water - Pipe Diameter > 1.5" | GEXPRO | 15 | \$ 2.00 | \$ 18.40 | 4 | \$18.07 | \$18.07 | The MAD | \$0.00 | \$ 9.03 | \$ 0.98 | \$0.05 | 91 |
| | PIPEINSLN | Pipe Insulation - Hot water - Pipe Diameter ≤ 1.5" | GEXPRO | 15 | \$ 2.00 | \$ 18.40 | 4 | \$18.07 | \$18.07 | The MAD | \$0.00 | \$ 9.03 | \$ 0.98 | \$0.05 | 91 |
| | PIPEINSLN | Pipe Insulation - Low-Pressure Steam (< 15 psig) - Pipe Diameter > 1.5" | GEXPRO | 15 | \$ 4.00 | \$ 18.40 | 9.3 | \$42.01 | \$18.40 | The MAD | \$0.00 | \$ 10.50 | \$ 2.28 | \$0.04 | 91 |
| | PIPEINSLN | Pipe Insulation - Low-Pressure Steam (< 15 psig) - Pipe Diameter ≤ 1.5" | GEXPRO | 15 | \$ 4.00 | \$ 18.40 | 9.3 | \$42.01 | \$18.40 | The MAD | \$0.00 | \$ 10.50 | \$ 2.28 | \$0.04 | 91 |
| | PIPEINSLN | Pipe Insulation - Med-Pressure Steam (15–200 psig) - Pipe Diameter > 1.5" | GEXPRO | 15 | \$ 6.00 | \$ 14.57 | 5 | \$22.59 | \$14.57 | The MAD | \$0.00 | \$ 3.76 | \$ 1.55 | \$0.12 | 91 |
| | PIPEINSLN | Pipe Insulation - Med-Pressure Steam (15–200 psig) - Pipe Diameter ≤ 1.5" | GEXPRO | 15 | \$ 6.00 | \$ 14.57 | 5 | \$22.59 | \$14.57 | The MAD | \$0.00 | \$ 3.76 | \$ 1.55 | \$0.12 | 91 |
| | RADHEATMODWA | Radiant Heater, Modulating | GEXSPHT | 20 | \$ 10.00 | \$ 48.50 | 11.2 | \$89.70 | \$48.50 | The MAD | \$0.00 | \$ 8.97 | \$ 1.85 | \$0.07 | 117 |
| | RADHEATNONMODWA | Radiant Heater, Non-Modulating Infrared Natural Gas-Fired Radiant Heater | GEXSPHT | 20 | \$ 6.50 | \$ 21.61 | 4.3 | \$34.44 | \$21.61 | The MAD | \$0.00 | \$ 5.30 | \$ 1.59 | \$0.12 | 117 |
| | STCONHITEMPGASWA | Dishwasher - Single Tank Conveyor - gas high temp | RESDHWG | 20 | \$ 900.00 | \$ 3,000.00 | 508 | \$3,040.08 | \$3,000.00 | | \$2,003.22 | \$ 3.38 | \$ 1.68 | \$0.14 | 35 |
| | STCONLOTEMPGAS | Dishwasher - Single Tank Conveyor - gas low temp | RESDHWG | 20 | \$ 900.00 | \$ 3,000.00 | 520 | \$3,111.89 | \$3,000.00 | | \$2,055.25 | \$ 3.46 | \$ 1.72 | \$0.14 | 35 |
| | STDRUPLATEMPGAS | Dishwasher - Single Tank Door/Upright - gas low temp | RESDHWG | 15 | \$ 900.00 | \$ 2,000.00 | 554 | \$2,535.54 | \$2,000.00 | | \$1,804.24 | \$ 2.82 | \$ 2.17 | \$0.16 | 35 |
| | STDUPHITEMPGASWA | Dishwasher - Single Tank Door/Upright - gas high temp | RESDHWG | 15 | \$ 900.00 | \$ 2,100.00 | 405 | \$1,853.60 | \$1,853.60 | | \$1,320.96 | \$ 2.06 | \$ 1.51 | \$0.22 | 35 |
| | THERMRADVAL | Thermostatic Radiator Valves (TRVs), central hydronic or steam systems only (MF only) | GEXSPHT | 15 | \$ 100.00 | \$ 215.00 | 55 | \$325.41 | \$215.00 | | \$0.00 | \$ 3.25 | \$ 1.51 | \$0.18 | 45 |
| | UCHITEMPGASWA | Dishwasher - Under counter - gas high temp | RESDHWG | 10 | \$ 600.00 | \$ 1,000.00 | 217 | \$687.71 | \$687.71 | | \$522.24 | \$ 1.15 | \$ 1.21 | \$0.36 | 35 |
| | | Multifamily Commercial Clothes Washer Common Areas | RESDHWG | 11 | \$ 80.00 | \$ 355.00 | 24 | \$82.82 | \$93.00 | | \$775.68 | \$ 1.04 | \$ 2.42 | \$0.40 | 89 |

| Change | Measure Code | Measure Description | Load Profile | Measure Life | Incentive per Quantity | Incremental (TRC) Cost per Quantity | Savings (Therms) per Quantity | 2017 WA-Only GAS AC per measure | Estimated Max Incentive (2017 AC) | Engineer's Notes | NPV of NEBs per Quantity | UCT BCR (2017 AC) | TRC BCR (WA-only AC) | 2017 Levelized Cost (5.53% Discount Rate) | MAD # |
|---|-------------------|---|--------------|--------------|------------------------|-------------------------------------|-------------------------------|---------------------------------|-----------------------------------|------------------|--------------------------|-------------------|----------------------|---|-------|
| New Measures to be filed mid-year 2017 | | | | | | | | | | | | | | | |
| New | New (No code yet) | Cooler Doors | | 15 | \$ 100.00 | \$ 375.00 | 45 | \$203.27 | \$ 375.00 | | \$0.00 | 2.03 | 0.54 | \$0.22 | |
| New | New (No code yet) | Manufacturer-Installed Rooftop Unit Controls - Demand Control Ventillation controls on new RTUs, All New and Existing Buildings on Commercial Rate, including Multifamily | | 15 | \$ 30.00 | \$ 38.00 | 21 | \$124.25 | \$ 38.00 | | \$0.00 | 3.32 | 3.69 | \$0.14 | 195 |
| New | New (No code yet) | Multifamily HVAC Hot Water Condensing Gas Boilers <300 kbtu/h | | 35 | \$ 10.00 | \$ 16.00 | 4.1 | \$47.41 | \$ 16.00 | | \$0.00 | 3.08 | 2.91 | \$0.15 | 147 |
| New | New (No code yet) | Multifamily HVAC Hot Water Condensing Gas Boilers ≥300 kbtu/h, ≤2,500 kbtu/h | | 35 | \$ 9.00 | \$ 13.00 | 4.1 | \$47.41 | \$ 13.00 | | \$0.00 | 3.79 | 3.58 | \$0.14 | 147 |
| New | New (No code yet) | Multifamily HVAC Hot Water Condensing Gas Boilers >2,500 kbtu/h | | 35 | \$ 8.00 | \$ 10.00 | 4.1 | \$47.41 | \$ 10.00 | | \$0.00 | 4.92 | 4.66 | \$0.12 | 147 |
| New | New (No code yet) | Existing Multifamily - Residential Bathroom Faucet Aerator, 1.0 | | 15 | \$ 3.00 | \$ 8.66 | 8.08 | \$36.98 | \$ 8.66 | | \$219.00 | 4.27 | 258.36 | \$0.04 | 51 |
| New | New (No code yet) | New Multifamily - Residential Bathroom Faucet Aerator, 1.0 | | 15 | \$ 3.00 | \$ 8.66 | 5.57 | \$25.49 | \$ 8.66 | | \$151.00 | 2.94 | 178.09 | \$0.05 | 51 |
| New | New (No code yet) | Existing Multifamily - Residential Kitchen Faucet Aerator, 1.5 | | 15 | \$ 5.00 | \$ 8.66 | 6.76 | \$30.94 | \$ 8.66 | | \$183.00 | 3.57 | 215.83 | \$0.07 | 51 |
| New | New (No code yet) | New Multifamily - Residential Kitchen Faucet Aerator, 1.5 | | 15 | \$ 5.00 | \$ 8.66 | 3.25 | \$14.87 | \$ 8.66 | | \$88.00 | 1.72 | 103.80 | \$0.15 | 51 |
| New | New (No code yet) | Existing Multifamily - Low flow showerheads, 1.5 GPM or less flow | | 15 | \$ 10.00 | \$ 28.00 | 13.1 | \$59.96 | \$ 28.00 | | \$30.00 | 2.14 | 14.41 | \$0.07 | 157 |
| New | New (No code yet) | Existing Multifamily - low flow showerwand, 1.5 GPM or less flow | | 15 | \$ 10.00 | \$ 28.00 | 5.5 | \$25.17 | \$ 25.17 | | \$13.00 | 1.00 | 6.09 | \$0.18 | 157 |
| New | New (No code yet) | Multifamily Condensing Tankless Water Heater ≤199 kbtu/h | | 15 | \$ 300.00 | \$ 320.00 | 82 | \$375.30 | \$ 320.00 | | \$0.00 | 1.18 | 1.18 | \$0.35 | 196 |

all above in yellow still forthcoming

| Bonus Measures | | Efficiency Type for Qualification | Unit Type | Gas Allocation of Total Utility Benefits | Estimated Average Savings (Therms)/ Unit | Measure Life | 2017 Unit Incentive | New Run Rate |
|---|--|-----------------------------------|------------|--|--|--------------|---------------------|--------------|
| General Measure Description: Use actual description in Brochure | | | | | | | | |
| Commercial Tankless Wat | Tankless condensing heater ≥ 200 kBtuh Thermal efficiency ≥ 94%, With electronic ignition, | | kBtu input | 1 | 2.58 | 15 | 2 | 0.97 |
| Commercial Tankless Wat | Tankless condensing heater ≥ 200 kBtuh Thermal efficiency ≥ 94%, With electronic ignition, | | kBtu input | 1 | 0.57 | 15 | 2 | 4.39 |
| Commercial Tankless Wat | Tankless condensing heater ≥ 200 kBtuh | | kBtu input | 1 | 1.11 | 15 | 2 | 2.25 |

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