

NY Residential Existing Homes Program Effective Useful Life of Energy Efficient Measures

The NY Home Performance with ENERGY STAR and EmPower New York Programs are designed to improve the energy performance, durability, comfort and safety of existing one- to four-family homes in New York State. To estimate the expected total lifetime savings of a project both the annual energy savings and effective useful life (EUL) at the measure level are required. The annual energy savings can be obtained from authorized energy modeling software, and the list below provides the EUL of incentivized measures.

| Measure | Minimum Efficiency Requirements | EUL |
|--|---|------------------------|
| Furnace – Natural Gas | AFUE 95% (as long as not prohibited by local codes). Furnaces with ECM Motor allowed. | 20 |
| Furnace – LP | AFUE 95% (as long as not prohibited by local codes). Furnaces with ECM Motor allowed. | 20 |
| Furnace – Fuel Oil | AFUE 85% | 20 |
| Boiler - Condensing | AFUE 90% | 25 |
| Boiler – Hot Water | AFUE 85% | 25 |
| Boiler – Steam | AFUE 82% (size must be matched to cumulative capacity of connected radiators, per Institute of Boilers & Radiator Mfrs (IBR) standards) | 25 |
| Boiler Reset Controls | Programmed properly per manufacturer’s specifications and site conditions. Maximum price of \$250. | 15 |
| Air Source Heat Pump (electric split systems) | 14.5 SEER / 12 EER / 8.2 HSPF | 20 |
| Ground Source Heat Pump | ENERGY STAR Qualified (closed-loop, open-loop, or direct expansion) | 20 |
| Wood/or Solid Fuel Pellet Stove | EPA phase 2 (Solid fuel pellet stoves are exempt from EPA Phase 2) | 20 |
| Distribution Improvements (NG or Electricity Heated Homes) | Installed in accordance with all applicable state and local codes. | 20 |
| Distribution Improvements in Oil or Propane Heated Homes | Installed in accordance with all applicable state and local codes | 20 |
| Duct Sealing | UL 181B mastic or tape; use of “duct tape” is disallowed | 20 |
| Pipe Insulation | R-3 | 11 (gas), 13 (elec) |
| Central Air Conditioner (split system) | AHRI Certificate Required. 14.5 SEER / 12 EER. | 15 |
| Programmable Thermostat | 5+2 day programmable thermostat including smart thermostat. | 11 |
| Insulation (attic, wall, floor, band joist, basement, crawl space) | See “Insulation Policy” for eligible insulation. | 30 |
| Air Sealing | Supervised by professional; blower door assisted per BPI and program guidelines | 20 |
| Replacement Windows | ENERGY STAR for climate/region | 20 |
| Storm Windows and Storm Doors | No minimum efficiency requirement | 20 |
| Movable Window Insulation | R-3 | 20 |
| Exterior Doors | ENERGY STAR for climate/region | 20 |

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| Water Heater - Natural Gas, Tank | 0-100 gallons, EF \geq 0.67, FHR \geq 67 gallons per hour, <75,000 BTU | 15 |
| Water Heater - Natural Gas, Instantaneous | EF \geq 0.82, GPM \geq 2.5 over a 77°F rise, <2 gallons storage, <200,00 BTU | 20 |
| Water Heater - Electric | EF .93 | 15 |
| Water Heater – Propane, Tank | 20-100 gallons, EF \geq 0.67, FHR \geq 67 gallons per hour, <75,000 BTU | 15 |
| Water Heater - Propane, Instantaneous | EF \geq 0.82, GPM \geq 2.5 over a 77°F rise, <2 gallons storage, <200,00 BTU | 20 |
| Water Heater – Oil, Tank | Tank: 20-100 gallons, EF \geq 0.67 | 15 |
| Water Heater - Indirect-Fired Tank | UL Approved | 13 |
| Hot Water Tank Insulation – Electric | R-10 | 20 |
| Heat Pump Water Heaters | Subject to site-specific TRC analysis and pre-approval by CSG in order to determine eligibility. | 10 |
| Faucet Aerator | No minimum efficiency requirement | 10 |
| Low Flow Showerhead | Maximum flow rate of 1.5 gallons per minute. Aerating type showerheads not eligible. | 10 |
| Refrigerator | CEE Tier 2 or 3 | 17 |
| Freezer | ENERGY STAR Qualified | 15 |
| Dehumidifier | ENERGY STAR Qualified | 15 |
| Room Air Conditioner | ENERGY STAR Qualified | 9 |
| CFLs | ENERGY STAR Qualified | 7 |
| Dishwasher | ENERGY STAR Qualified | 15 |
| Clothes washer | ENERGY STAR Qualified | 15 |
| LEDs | ENERGY STAR Qualified. | 15 |
| Light Fixtures | ENERGY STAR Qualified for compact fluorescent, or electronic ballast for fluorescent tubes | 20 |
| Solar Thermal | OG-100 or OG-300 certification from SRCC. SF 0.5. Warranty: 10 years on the panel, 5 years on the system. System needs to be reviewed and approved by the NYSERDA or PSEGLI Solar Thermal Program prior to submission to HPWES. | 20 |

NOTE: NYSERDA reserves the right to modify the eligible measures and the minimum efficiency requirement and the effective useful life for any measure during the term of the Home Performance with ENERGY STAR Participation Agreement.