

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 or 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 - Gas	AFUE 90%	25
Boiler – Condensing - Oil	AFUE 87%	25
Boiler – Non-Condensing	AFUE 85% (project must include boiler reset control)	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 \$500.	15
Air Source Heat Pump (electric split systems)	See Air Source Heat Pump Program manual for requirements	20
Wood Stove	EPA certified for particulate matter output of 4.5 grams per hour or less	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
Duct Insulation	Installed in accordance with all applicable state and local codes	20
Pipe Insulation	R-3	11 (gas), 13 (elec)
Central Air Conditioner (split system)	AHRI Certificate Required. 14.5 SEER / 12 EER.	15
	Air Source Heat Pump (for Cooling). See Air Source Heat Pump Program manual for requirements.	20
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. Must be accompanied by blower door assisted air sealing per BPI and program guidelines.	30
Air Sealing	Supervised by professional; blower door assisted per BPI and program guidelines	20

Measure	Minimum Efficiency Requirements	EUL
Replacement Windows	ENERGY STAR for climate/region. May be subject to SHPO review.	20
Storm Windows and Storm Doors	No minimum efficiency requirement. May be subject to SHPO review.	20
Exterior Doors	ENERGY STAR for climate/region	20
Movable Window Insulation	R-3	20
Water Heater - Tank, Natural Gas or LP	ENERGY STAR Qualified. 40-100 gallons.	15
Water Heater – On-Demand, Natural Gas or LP	ENERGY STAR Qualified. Must replace a conventional 40 or 50 gallon tank.	20
Water Heater – Tank, Electric	ENERGY STAR Qualified	15
Water Heater – Tank, Oil	20-100 gallons, UEF >= 0.68	15
Water Heater - Indirect-Fired Tank	UL Approved	13
Heat Pump Water Heaters, Tank	≤ 55 gallon tank, UEF > 2.0 > 55 gallon tank, UEF >=2.2, ENERGY STAR Certified. Must be installed in an unconditioned space.	10
Pipe Insulation	R-3	11 (gas), 13 (elec)
Hot Water Tank Insulation – Electric	R-10	20
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
Dishwasher	ENERGY STAR Qualified	15
Clothes washer	ENERGY STAR Qualified	15
Dehumidifier	ENERGY STAR Qualified	15
Room Air Conditioner	ENERGY STAR Qualified	9
CFLs	ENERGY STAR Qualified. Refer to Lighting Guidelines in Contractor Resource Manual (CRM).	7
LEDs	ENERGY STAR Qualified. Refer to Lighting Guidelines in CRM.	15
Light Fixtures	ENERGY STAR Qualified for compact fluorescent, or electronic ballast for fluorescent tubes	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.