



Requirements for targeted energy efficiency projects under the Commercial Implementation Assistance program include a simple payback period that is between 4 and 14 years excluding NYSERDA incentives. While the following measures are cost-effective, proven technologies, they do not fit the criteria for this program. NYSERDA will not approve applications for these measures, even if a utility does not offer a rebate.

Lighting Systems		
Measure Description	Measure Code	Typical Applications
LED Exit Signs	ES-1	New LED Exit Sign
High Performance T8 Relamp and Reballast	HPT8-RF	Upgrade an Existing T12 Fixture with New High Performance T8 Lamps and Ballasts
Reduced Wattage T8 Relamp and Reballast	RWT8-RF	Upgrade an Existing Fixture with New Reduced Wattage T8 Lamps and Ballasts
New Fluorescent Fixtures	HPT8-NF	New Lighting Fixture with T5 or High Performance T8 Lamps and Ballasts
High Efficiency Troffer Fixture	HPT8-HEF	Recessed or Surface Mounted High Efficiency Troffer Fixture with High Performance T8 Lamps and Ballasts
Pendant/Wall Mounted Indirect Fluorescent Fixture	HEF-P	Indirect and Direct/Indirect T5 or High Performance T8 Fixtures
High Efficiency Low Glare Fixture	HEF-LG	Recessed High Efficiency T5 or High Performance T8 Fixture with Low Glare Features
High Intensity Fluorescent with or without Occupancy Sensors	HIF	New Fluorescent Fixture for High and Low Bay Applications
	OC-HIF	Fixture Mounted Occupancy Sensor
LED downlights	DLED	<ul style="list-style-type: none"> As listed on the ENERGY STAR® or DesignLights Consortium qualified products list Recessed-, surface- and pendant-mounted LED downlights Linear (1x4, 2x4, 2x2) fixtures
LED screw-in and pin-based lamps	LMPLED	<ul style="list-style-type: none"> As listed on the ENERGY STAR® or DesignLights Consortium qualified products list Screw- or pin-based LED retrofit lamps
Refrigerated case LED lights	RLED	<ul style="list-style-type: none"> As listed on the ENERGY STAR® or DesignLights Consortium qualified products list Measure includes complete LED refrigerated case lights for reach-in coolers and freezers Fixtures must be five feet, six feet or 4 foot end fixtures Open cases
LED low-bay fixtures (garage & canopy)	LBLED	<ul style="list-style-type: none"> As listed on the ENERGY STAR® or DesignLights Consortium qualified products list Fixtures are required to be installed in 8,760 hours applications
LED wallpacks	WLED	<ul style="list-style-type: none"> As listed on the ENERGY STAR® or DesignLights Consortium qualified products list Fixtures are required to be installed in 8,760 hours applications
Bi-level Stairwell Lighting	STAIR	<ul style="list-style-type: none"> T5, T5HO, and high performance and reduced wattage T8 systems Replacement of single-lamp T8 fixtures, two-foot fixtures and CFL fixtures The ratio of full wattage to low-level (standby) wattage must exceed 3:1 The fixtures with fail-safe feature to switch to 100% light level if sensor is damaged Installation complies with all national and local safety codes for stairwell illumination

PTAC and PTHP Equipment Efficiency Levels

Measure Code	Unitary Equipment Size		Minimum Efficiency
	Tons	Btu/h	
PTAC-1	≤ 0.58	≤ 7,000	11.7 EER / 3.3 COP Heating
PTAC-2	> 0.58 to ≤ 0.8	> 7,000 to ≤ 9,500	11.3 EER / 3.2 COP Heating
PTAC-3	> 0.8 to ≤ 1.25	> 9,500 to ≤ 15,000	10.7 EER / 3.1 COP Heating
PTAC-4	> 1.25	> 15,000	9.6 EER / 3.0 COP Heating

Unitary HVAC and Split Air Systems Efficiency Levels

Measure Code	Unitary Equipment Size		Minimum Efficiency
	Tons	Btu/h	
U&SAC-1	Split System ≤ 5.4	≤ 65,000	14.0 SEER
U&SAC-2	Single Package ≤ 5.4	≤ 65,000	14.0 SEER
U&SAC-3	> 5.4 to ≤ 11.25	> 65,000 to ≤ 135,000	11.5 EER
U&SAC-4	> 11.25 to ≤ 20	> 135,000 to ≤ 240,000	11.5 EER
U&SAC-5	> 20 to ≤ 63	> 240,000 to ≤ 760,000	10.5 EER
U&SAC-6	> 63	> 760,000	9.7 EER

Air-to-Air Heat Pump Systems Efficiency Levels

Measure Code	Unitary Equipment Size		Minimum Efficiency
	Tons	Btu/h	
ASHP-1	Split System ≤ 5.4	≤ 65,000	14.0 SEER / 12 EER / 8.5 HSPF
ASHP-2	Single Package ≤ 5.4	≤ 65,000	14.0 SEER / 11.6 EER / 8.0 HSPF
ASHP-3	> 5.4 to ≤ 11.25	> 65,000 to ≤ 135,000	11.5 EER
ASHP-4	> 11.25 to ≤ 20	> 135,000 to ≤ 240,000	11.5 EER
ASHP-5	> 20 to ≤ 63	> 240,000 to ≤ 760,000	10.5 EER

Water Source Heat Pump Systems Efficiency Levels

Measure Code	Unitary Equipment Size		Minimum Efficiency
	Tons	Btu/h	
WSHP-1	< 20	< 240,000	14.0 EER / 4.6 COP

Electric Chiller Efficiency Levels

Measure Description	Measure Code	Size (Nominal Tons)	Minimum Efficiency
Air-cooled Chiller with Condenser	ACC-1	≥ 30 & ≤ 100	Full load: 9.8 EER Part Load: 13.3 EER
Water-cooled Chiller (Rotary Screw/Scroll)	WCC-1	≥ 30 & < 150	Full load: 0.72 kW/ton IPLV: 0.59 kW/ton
	WCC-2	≥ 150 & < 300	Full load: 0.64 kW/ton IPLV: 0.49 kW/ton
Water-cooled Chiller (Centrifugal)	WCC-3	≥ 30 & < 150	Full load: 0.64 kW/ton IPLV: 0.53 kW/ton
	WCC-4	≥ 150 & < 300	Full load: 0.59 kW/ton IPLV: 0.52 kW/ton

High Efficiency Furnaces and Boilers (≤ 300 MBtu/h rated input capacity)

Measure Description	Measure Code	Unit Size
High Efficiency Natural Gas-fired Air Furnace	AF-1	≤ 300 MBtu/h
High Efficiency Natural Gas-fired Hot Water Boiler	B-1	≤ 300 MBtu/h
High Efficiency Natural Gas-fired Hot Water Boiler	CB-1	≤ 300 MBtu/h
High Efficiency Natural Gas-fired Steam Boiler	SB-1	≤ 300 MBtu/h
High Efficiency Natural Gas-fired Unit Heater	UH-1	≤ 300 MBtu/h

High Efficiency Boilers (> 300 MBtu/h rated input capacity)

Measure Description	Measure Code	Unit Size
High Efficiency Natural Gas-fired Hot Water Boiler	B-2	> 300 to ≤ 500 MBtu/h
	B-3	> 500 to $\leq 1,000$ MBtu/h
	B-4	$> 1,000$ to $\leq 1,700$ MBtu/h
	B-5	$> 1,700$ MBtu/h
High Efficiency Natural Gas-fired Hot Water Boiler	CB-2	> 300 to ≤ 500 MBtu/h
	CB-3	> 500 to $\leq 1,000$ MBtu/h
	CB-4	$> 1,000$ to $\leq 1,700$ MBtu/h
	CB-5	$> 1,700$ MBtu/h
High Efficiency Natural Gas-fired Steam Boilers	SB-2	> 300 to $\leq 2,500$ MBtu/h
High Efficiency Natural Gas-fired Steam Boilers	SB-3	$> 2,500$ to $\leq 10,000$ MBtu/h

Water Heating Equipment

Measure Description	Measure Code
Storage Water Heater Tank Insulation	WH-1
New Circulation Controls Applicable for Reducing Standby Losses on Domestic Hot Water	WH-2

Space Heating Equipment

Measure Description	Measure Code
New, Low-intensity, Infrared Gas-fired Unit Heaters	HE-1
New Vent Damper	HE-2
New Pipe Insulation	HE-3
New Duct Insulation	HE-4
Demand Control Ventilation	HE-6

Commercial Kitchen Equipment

Measure Description	Measure Code
New Gas-fired Fryer	GK-1
New Natural Gas Cooking Broiler	GK-2
New Full-size Gas-fired Convection Oven	GK-3
New Natural Gas Combination Oven	GK-4
New Natural Gas-fired Steamer	GK-5
New Gas Griddle	GK-6

Commercial Electric Kitchen Equipment

Measure Description	Measure Code	Unit Size
Electric Steamer	ELEC-STEAMER	All sizes
Commercial Combination Oven	COMBO-OVEN	All sizes
Commercial Convection Oven	CONVECT-OVEN	All sizes
Commercial Electric Griddle	ELEC-GRIDDLE	All sizes
Commercial Electric Fryer	ELEC-FRYER	All sizes
Commercial Insulated Holding Cabinets	HOLD CAB (FULL and 1/2)	All sizes

Commercial Washers

Measure Description	Measure Code	Unit Size
Commercial Washers	WASHERS	All sizes

Commercial Electric Refrigeration Equipment

Measure Description	Measure Code	Unit Size
High Efficiency Commercial Reach-in Refrigerators (This includes solid-door and glass-door)	COMM-REFER	<19 cubic feet
		19-30 cubic feet
		31-60 cubic feet
		61-90 cubic feet
High Efficiency Commercial Reach-in Freezer	COMM-FREEZ Solid Door	<19 cubic feet
		19-30 cubic feet
		31-60 cubic feet
		61-90 cubic feet
Air- or Water-cooled Commercial Ice Maker (This includes Tier 2 and Tier 3)	ICE Tier 2	Capacity <500 lbs/day
		Capacity >500 and <1000 lbs/day
		Capacity >1000 and <1500 lbs/day
		Capacity >1500 lbs/day

Motors

Measure Description	Unit Size
All Motors	All horsepower (HPs)

Variable Frequency Drives (VFD)

Measure Description	Unit Size
Variable Speed or Frequency Drives that Control Motors, Fans, or Pumps	All horsepower (HPs)

Interval Meters

Measure Description	Unit Size
All Interval Meters	All sizes