



New Jersey SmartStart Buildings® Program Guide
for
Commercial & Industrial (C&I) New & Existing Buildings

For Fiscal Year 2017
(7/1/2016 through 6/30/2017)

Final



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1. Overall Program Description

New Jersey SmartStart Buildings® is a statewide energy efficiency program available to qualified commercial, industrial, institutional, government or agricultural customers who are planning to construct, expand, renovate, or remodel a facility, or to replace electric or gas equipment. Incentives are available for prescriptive measures or for custom measures that are selected and incorporated into the project to help offset the added cost to purchase qualifying energy-efficient equipment.

There are two types of incentives:

- **Prescriptive Incentives** are incentives where dollar amounts are fixed for specific categories of equipment— are offered where one-for-one, business as usual replacements are typical. The prescriptive applications are labeled by technology, such as lighting and HVAC, and defined as equipment most commonly recommended for energy efficient projects with well-established energy savings.
- **Custom Incentives** are offered for non-standard equipment, complex systems, and specialized technologies that are not easily addressed through prescriptive offerings. Customers are provided a discrete yet flexible application process with the ability to submit one or multiple applications for any size project. The transparency of incentives aids customers in making informed decisions while assisting energy efficiency professionals to better solicit a prospective project.

Routinely, the program adds, removes or modifies prescriptive incentives for various energy efficiency equipment based on national and local market trends, the development of new technologies, and changes in efficiency baselines. Note that on 9/21/2015, the State of NJ adopted the ASHRAE 90.1-2013 energy code for all commercial and industrial buildings. For Fiscal Year 2017, the program will utilize this code in determining performance requirements and incentive eligibility.

2. Target Market

The C&I New Construction and C&I Retrofit Programs target commercial, educational, governmental/institutional, industrial, and agricultural customers engaged in customer-initiated construction events including public school construction, other new building construction, renovations, remodeling, equipment replacement, and manufacturing process improvements. The Program offers incentives and technical support for both existing buildings and new construction. In addition, the Program may be used to address economic development opportunities and transmission and distribution system constraints. The Program is primarily geared towards the mainstream C&I market, as opposed to programs that target specialized markets such as the Large Energy Users Program, the Local Government Energy Audit Program, and the Direct Install Program.

Incentive and service offerings are tailored to influence market-driven events by acknowledging the customer's own initiative and the time-sensitive nature of these events. Market-driven construction events are outlined below:

- **New Construction and Additions** – Throughout the planning/design and construction stages of a project, critical decisions from an energy perspective are made regarding building design and components such as lighting systems, HVAC systems, energy-using equipment, etc.
- **Renovations** – If a building is to be “guttled” with replacement of the HVAC and lighting systems along with major modifications to the building shell.
- **Remodels** – Appearance upgrades that may include lighting changes, or a new configuration of an internal space, or alteration in mechanical/electrical systems to update appearance, or reconfiguration of space for a tenant or for safety/security reasons
- **Equipment replacement** – Equipment may be replaced at the time of a remodel/renovation, or at other times such as when it fails, becomes too costly to maintain, or becomes inappropriate for new uses.

3. Program Eligibility & Delivery

In order to be eligible for the program, applicants or customers must be contributors to the Societal Benefits Charge (SBC) and the construction project must be located within the service territory of at least one of New Jersey's seven regulated utilities; Atlantic City Electric, FirstEnergy/Jersey Central Power & Light, New Jersey Natural Gas, Elizabethtown Gas, Public Service Electric and Gas, Rockland Electric Company, and South Jersey Gas.

Projects located in areas where electricity is provided by a municipal utility are eligible for only those portions of the program that address the energy efficiency of natural gas equipment.

The program is delivered using consistent statewide eligibility criteria, measure lists, and a single set of program application forms.

Prevailing Wage Requirement

Projects with a contract threshold of \$15,444 are required to pay no less than prevailing wage rate to workers employed in the performance of any construction undertaken in connection with Board of Public Utilities financial assistance, or undertaken to fulfill any condition of receiving BPU financial assistance, including the performance of any contract to construct, renovate, or otherwise prepare a facility, the operations of which are necessary for the receipt of BPU financial assistance. By submitting an application, or accepting program incentives, the applicant agrees to adhere to NJ Prevailing Wage Requirements, as applicable.

4. Prescriptive Measures

Prescriptive Efficiency Measure Incentives are based on incremental costs (i.e. the additional cost above baseline equipment) for the following types of measures:

- Electric Chillers
- Natural Gas Chillers
- Unitary HVAC Systems
- Ground Source Heat Pumps (Geothermal)
- Gas Fired Boilers
- Gas Furnaces
- Variable Frequency Drives
- Gas Fired Water Heating
- Gas Fired Water Booster Heating
- Tankless Water Heaters
- Select Premium Efficiency Motors
- Prescriptive Lighting & Lighting Controls**
- Performance Based Lighting (for existing buildings only)**
- Kitchen Hood Variable Frequency Drives
- Low Intensity Infrared Heater
- Boiler/AC Economizing Controls
- Refrigeration Controls
- Refrigerated Doors/Covers
- Food Service Equipment
- Custom Measures (see below)**

** indicates Pre-Approval is required prior to commencing work.

Refer to each measures' unique application for the efficiency criteria and the incentive structure. Section 3 contains the web links that route to the application forms for each measure. Food-service measures and incentives are contained in Table 3 of the Appendix.

For all Prescriptive measures, with the exception of Lighting and Lighting Controls, pre-approval is not required prior to installation, however, any customer and/or agent who purchases and installs equipment without program approval does so at their own risk. For Prescriptive Measures that do not require Pre-approval, the application must be received by the program within 12 months of equipment purchase as evidenced by material invoices, purchase orders, etc.

Incentives are available up to \$500,000 per electric account and \$500,000 per natural gas account per fiscal year. A customer is defined as a utility account.

5. Custom Measures Requirements

For more complex and aggressive efficiency measures, the process for calculating custom measure incentives is performance-based which may include a commissioning component. Incentives are

evaluated and determined via an incremental cost and energy savings analysis to be provided by the customer or customer's authorized representative (vendor/contractor). Determination of the appropriate baseline (existing conditions and/or industry standard) will be reviewed on a case-by-case basis subject to program review and approval. The Program Manager has the discretion to determine the reasonableness of project costs for proposed technologies based on industry standards and other market research. Eligible electric and gas measures include lighting systems, HVAC systems, motor systems, large boiler systems, gas-engine driven chillers and other non-prescriptive measures proposed by the customer. Technologies not explicitly listed as custom (per the filing and/or Program Guide) will be reviewed for eligibility and are subject to approval at the discretion of the Program Manager. More details regarding this process can be found later in this document in the section entitled "C&I Construction Program Incentives".

Baseline Energy Savings

Energy savings for each proposal will be determined on a case-by-case basis using such resources as: New Jersey baseline studies and other market research or experience of the New Jersey gas/electric utilities, or from utility/public program experience from other comparable jurisdictions.

The baseline for retrofit projects will be existing conditions. Custom measures for retrofit projects must exceed ASHRAE 90.1-2013 standards by at least 2% where specific standards exist. Where ASHRAE guidelines do not apply, measures will be required to exceed industry standards as determined by the Consortium for Energy Efficiency (CEE), EPA's ENERGY STAR, and/or others.

New construction and complete "gut-rehab" projects will use AHRAE 90.1-2013 as the baseline for estimating energy savings. For new construction and major gut/rehab projects, baseline measure costs will be determined on a case-by-case basis, using the program's cost research, experience, and technical judgment.

Incentive Caps

The Program utilizes a performance-based approach to determine incentives for custom equipment. Established incentive caps for the program are the lesser of:

- \$0.16/kWh and/or \$1.60/therm based on estimated annual savings
- 50% of total installed project cost
- buy down to a one-year payback

Eligible projects must have a minimum first-year energy savings of 75,000 kWh for electric projects or 1,500 therms for gas projects. This requirement may be waived on a case-by-case basis if project savings are within 10% of these required minimums. Projects with both electric and gas savings may be considered for incentives if either of the minimum savings requirements are met. Multiple smaller applications may not be grouped to meet minimum savings requirements. The program will allow a single facility with multiple utility accounts to submit a proposed custom project under one application

6. Application Requirements

Each type of Prescriptive Measure (see list in Section 5) has its own application that can be submitted directly via an on line portal or printed and mailed to the program. In general, each application will have the same requirements which are:

- The customer, or an agent (contractor/vendor) authorized by a customer, must submit a properly completed application package which includes:
 - Completed application forms signed by the customer
 - Manufacturer spec sheets and supporting documentation of qualifications
 - Recent copy of a full utility bill from a participating utility (gas or electric depending on technology) showing Societal Benefits Charge. Customer listed on application must match name on the utility bill. If a utility account has not been established yet, the customer will be required to submit a utility bill prior to the incentive payment.

For Prescriptive Measures that do not require Pre-approval, the application must be received by the program within 12 months of equipment purchase as evidenced by material invoices, purchase orders, etc. A Tax Clearance Certificate is required along with material/labor invoice documentation.

Other Important Terms & Conditions

Energy efficient measures must be installed in buildings located within a New Jersey Utilities' service territory and designated on the customer's application. The customer must ultimately own the equipment, through an up-front purchase. Equipment procured by the customer via another program offered by New Jersey's Clean Energy Program or the New Jersey Utilities, as applicable, are not eligible for incentives through this program. Customers who have not contributed to the SBC of the applicable New Jersey Utility are not eligible for incentives offered from the program.

Refer to each Prescriptive Measure application form for additional terms and conditions specific to each technology.

Change in Customer Name/Payee after Pre-Approval

If a request is received to change the customer name or payee listed on a pre-approved application the following must be provided:

- Documentation from the approved applicant authorizing the change
- A new signed application and acknowledgement page with updated customer or payee name
- For name change – a utility bill in the name of the new customer
- For payee change – documentation from the original customer authorizing the change.

All name change requests are subject to program approval.

Tax Clearance Certificate

Effective May 2016, the State of New Jersey launched an [online portal](#), which allows customers to apply for the Tax Clearance Certificate at no cost. [Paper applications](#) will also still be accepted at a fee.

The name of the customer listed on the certificate must match the customer name listed on the utility bill and the application. The customer tax ID listed on the application must agree with the tax ID listed on the Certificate. Certificates are valid for 180 days and must be valid on the date the program approves the incentive for payment.

7. Utility Account

Each utility account requires a complete, separate application. Projects for the same utility account and the same technology that are being done at the same time must be submitted on one application. Applications for measures that are self-installed by customers must be signed by the customer and not the sales vendor of the measure, however, the customer may elect to assign payment of the incentive to the sales vendor. For Custom application submissions only, customers may group utility accounts serving one facility under one application.

8. Deficient Applications

If an application package is incomplete or information is missing or deemed insufficient, a deficiency letter will be mailed to the applicant requesting additional information. The information or documentation requested on the letter must be received within 30 days of the date of the request. If additional deficiencies are still noted, there will be up to two additional notifications issued with the same time frames. If a customer fails to respond to a deficiency request within 30 days or exceeds the three attempts provided, the application will be cancelled. If cancelled, customers may re-apply under the program incentives and requirements in place at that time.

9. Pre & Post Inspections

The program reserves the right to conduct a pre-inspection of the facility prior to the installation of lighting, lighting control equipment, and custom measures. This will be done prior to the issuance of the approval letter. Work must not begin prior to formal program approval for these specific measure types. All projects are subject to post inspection to confirm equipment installation prior to payment.

Inspection protocols for Custom Measure projects will require 100% pre and post inspections for projects with an estimated incentive equal to and above \$25,000. Inspections for projects with incentives below \$25,000 will be sampled at random.

10. Expirations & Extensions

Pre-approved projects are given a one-year approval in which the proposed measure is to be installed and operational. When a project has expired the customer will have 30 days to either submit a request for an extension OR submit final project paperwork. Extension requests must be in writing from the customer and include the circumstances that led to the extension request, and the percentage of the project completed. Extension requests may be granted for a period no longer than six (6) months. The Program may provide up to two (2), six month extensions from the original approval expiration date. If the project has not started and the applicant is still interested in installing the equipment, the existing application will be cancelled and a new application must be submitted and approved prior to installation. The incentive amount will be based upon the program guidelines in effect at the time of the new submission. If no response is received within 30 days of expiration the project will be cancelled.

11. Program Dispute Resolution

Disputes, concerns, or complaints that arise will be addressed initially by the Program Manager or Program Staff at the point of contact. If resolution for whatever reason is not possible, there is a [dispute resolution process](#) backed by the NJ Board of Public Utilities.

For contractual disputes between a system owner and installer or registrant, the NJ Division of Consumer Affairs (DCA) is the point of contact and the agency has an online complaint form.

The program is designed to allow for participation by any third party contractor that meets the program requirements. One of the primary responsibilities of the program is to oversee the level of performance of the contractors that participate in the program. There are BPU approved contractor remediation procedures that will be followed if a contractor is found to violate program procedures and rules or consistently violates program requirements which may include being barred from participating in the program.

12. Call Center Support

New Jersey's Clean Energy Program operates a call center staffed weekdays between 8 AM and 7 PM. The phone number is 866-NJSMART. The call center is trained in answering general questions about the program and application processes. It also provides specific information pertaining to an application.

13. Program Website Links

- The below link routes to the overall NJ SmartStart program homepage:
<http://njcleanenergy.com/ssb>
- The below link routes to the Equipment Incentives homepage:
<http://njcleanenergy.com/commercial-industrial/programs/nj-smartstart-buildings/tools-and-resources/equipment-incentives/equi>
- The below link routes to the NJ SmartStart Buildings – Quick Start homepage. This page has links to all the other important program webpages, forms, and procedures.
<http://njcleanenergy.com/commercial-industrial/programs/nj-smartstart-buildings/application-forms/quick-start-signup/quick-st>
- The below link routes to the SmartStart online application form:
https://energyservices.trcsolutions.com/Portal/Core/apply/Home.aspx?_imct=4,15,32
- The below link routes to the SmartStart application procedures:
<http://njcleanenergy.com/commercial-industrial/programs/nj-smartstart-buildings/resources/nj-smartstart-buildings-application>

Appendix:

Table 1: Custom Measures Incentive table.

Technology Classification	FY 2017 Incentive
<p>Measures not covered by the prescriptive incentive tables</p>	<p>Performance incentives of \$0.16/kWh and \$1.60/therm of first year savings, 50% of total installed project cost, or buy down to 1-year payback. Based on estimated savings - minimum of 75,000 kWh or 1,500 Therms saved annually required.</p> <p>Proposed projects must exceed ASHRAE 90.1-2013 by 2% where applicable. In cases where ASHRAE standards do not apply, the Program will require that custom measures exceed industry standards per the Consortium for Energy Efficiency (CEE), EPA ENERGY STAR, and/or others.</p> <p>Minimum savings requirements may be waived by the Program Manager on a case-by-case basis if project savings are within 10% of these minimum requirements. Projects with both electric and gas savings may be considered for incentives if either of the minimum savings requirements are met. Multiple smaller applications may not be grouped to meet minimum savings requirements. Minimum IRR requirement removed</p>

Table 2: C&I Chiller Incentives

Electric Chillers: FY17 Electric Chiller Efficiency and Incentive Structure

Note A - The manufacturer's published chiller efficiency must be determined using the Air-Conditioning, Heating and Refrigeration Institute (AHRI) 550/590 test procedures and at the AHRI standard evaporator and condenser temperatures. If an applicant has a water cooled centrifugal chiller that is designed to operate at other than the AHRI standard conditions the procedure in Standard 90.1-2013, Section 6.4.1.2.1 may be used by the applicant to adjust the manufacturer's published efficiency at non-AHRI conditions to the efficiency at AHRI standard conditions. The applicant will need to provide the manufacturer's non-AHRI ratings as well as the calculations for the chiller efficiency at AHRI conditions.

Constant speed chillers will have to meet or exceed IPLV efficiency to qualify for the incentive program while the incentive will be based on the chillers performance relative to the full load efficiency. Conversely, variable speed chillers will have to meet or exceed the full load efficiency to qualify for the incentive program while the incentive will be based on the chillers performance relative to the IPLV efficiency.

Electrically operated comfort cooling air-cooled and water-cooled chillers are eligible for incentives under the prescriptive path. Chillers for process cooling (e.g. manufacturing, data center, food storage or processing, et cetera) loads may apply for an incentive under the custom path.

Capacity	Path A		Path B		Path A		Path B	
	Incentive Minimum Full Load kW/ton	Qualifying IPLV kW/ton	Qualifying Full Load kW/ton	Incentive Minimum IPLV kW/ton	Incentive Minimum Full Load EER	Qualifying IPLV EER	Qualifying Full Load EER	Incentive Minimum IPLV EER
Air Cooled								
tons < 150					10.30	13.70	9.70	16.12
tons > 150					10.30	14.00	9.70	16.42
Water Cooled Positive Displacement								
tons < 75	0.735	0.600	0.780	0.490				
75 < tons < 150	0.706	0.560	0.750	0.480				
150 < tons < 300	0.647	0.540	0.680	0.431				
300 < tons < 600	0.598	0.520	0.625	0.402				
tons > 600	0.549	0.500	0.585	0.372				
Water Cooled Centrifugal								
tons < 150	0.598	0.550	0.695	0.431				
150 < tons < 300	0.598	0.550	0.635	0.392				
300 < tons < 400	0.549	0.520	0.595	0.382				
400 < tons < 600	0.549	0.500	0.585	0.372				
tons > 600	0.549	0.500	0.585	0.372				

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Proposed FY17 Incentives									
Type	Capacity	Existing Building				New Construction			
		Constant Speed		Variable Speed		Constant Speed		Variable Speed	
		Base \$/ton	Perf \$/ton	Base \$/ton	Perf \$/ton	Base \$/ton	Perf \$/ton	Base \$/ton	Perf \$/ton
AC	tons < 150	\$20.00	\$3.50	\$90.00	\$4.00	\$10.00	\$3.50	\$45.00	\$4.00
AC	tons ≥ 150	\$20.00	\$2.75	\$92.00	\$4.00	\$10.00	\$2.75	\$46.00	\$4.00
WC positive disp	tons < 75	\$13.00	\$2.25	\$40.00	\$2.50	\$6.50	\$2.25	\$20.00	\$2.50
WC positive disp	75 ≤ tons < 150	\$20.00	\$2.00	\$43.00	\$2.00	\$10.00	\$2.00	\$21.50	\$2.00
WC positive disp	150 ≤ tons < 300	\$17.00	\$2.00	\$43.00	\$2.00	\$8.50	\$2.00	\$21.50	\$2.00
WC positive disp	300 ≤ tons < 600	\$15.00	\$2.25	\$37.00	\$2.00	\$7.50	\$2.25	\$18.50	\$2.00
WC positive disp	tons ≥ 600	\$30.00	\$2.00	\$44.00	\$2.00	\$15.00	\$2.00	\$22.00	\$2.00
WC centrifugal	tons < 150	\$24.00	\$2.25	\$24.00	\$2.75	\$12.00	\$2.25	\$12.00	\$2.75
WC centrifugal	150 ≤ tons < 300	\$10.00	\$2.00	\$30.00	\$2.50	\$5.00	\$2.00	\$15.00	\$2.50
WC centrifugal	300 ≤ tons < 400	\$8.00	\$2.00	\$20.00	\$2.00	\$4.00	\$2.00	\$10.00	\$2.00
WC centrifugal	400 ≤ tons < 600	\$8.00	\$2.00	\$25.00	\$2.00	\$4.00	\$2.00	\$12.50	\$2.00
WC centrifugal	tons ≥ 600	\$8.00	\$2.00	\$25.00	\$2.00	\$4.00	\$2.00	\$12.50	\$2.00

Performance Incentives apply for each 0.1 EER above the Incentive Minimum EER or for each 0.01 kW/ton below the Incentive Minimum kW/ton.

Performance Incentives apply for each 0.1 EER above the Incentive Minimum EER or for each 0.01 kW/ton below the Incentive Minimum kW/ton.

For new construction projects operating under ASHRAE 90.1-2013 code, proposed equipment must exceed minimum program efficiency requirements for Path A (constant speed) IPLV and Path B (variable speed) Full Load.

Technology Classification	FY17 Incentive
Water Cooled Chillers	Incentive table revised to reflect New Construction and Existing Buildings separately shown above.
Air Cooled Chillers	Incentive table revised to reflect New Construction and Existing Buildings separately shown above.
Natural Gas Chillers:	
<i>For gas chillers, full load efficiencies are determined in accordance with A.H.R.I. 560, however, part load efficiencies are not rated.</i>	
Gas Absorption Chillers	≥1.1 full load or part load Coefficient of Performance (COP)
< 100 tons	Up to \$450 per ton
100 to 400 tons	Up to \$230 per ton
> 400 tons	Up to \$185 per ton
Gas Engine Driven Chillers	Treated under Custom measure path (≥1.1 full or part load COP)
Desiccant Systems	Up to \$1.00 per cfm (gas or electric)

Table 3: Electric HVAC Incentives

Technology Classification		FY17 Incentive						
HVAC Systems:		<i>Please refer to tables below for HVAC minimum efficiency standards and incentives</i>						
SmartStart Equipment Type	Cooling Capacity tons	Incentive Tier	Existing Building and New Construction					Incentive \$/ton
			Minimum Qualifying Efficiency					
			SEER	HSPF	EER	IEER	COP	
Unitary HVAC Split System	< 5.4	1	14.0					\$92
Unitary HVAC Split System	< 5.4	2	16.0					\$105
Unitary HVAC Single Package	< 5.4	1	14.3					\$92
Unitary HVAC Single Package	< 5.4	2	16.0					\$103
Unitary HVAC Single Package or	> 5.4 and < 11.25	1			11.5	13.0		\$73
Unitary HVAC Single Package or	> 5.4 and < 11.25	2			12.5	14.0		\$79
Unitary HVAC Single Package or	> 11.25 and < 20	1			11.5	12.4		\$79
Unitary HVAC Single Package or	> 11.25 and < 20	2			12.0	14.0		\$89
Central DXAC	> 20 and < 63	1			10.5	11.6		\$79
Central DXAC	> 20 and < 63	2			11.0	12.5		\$85
Central DXAC	> 63	1			9.7	11.2		\$72
Central DXAC	> 63	2			10.0	12.0		\$77
Air Source HP Split System	< 5.4	1	14.3	8.4				\$92
Air Source HP Split System	< 5.4	2	15.5	8.5				\$100
Air Source HP Single Package	< 5.4	1	14.3	8.2				\$92
Air Source HP Single Package	< 5.4	2	15.5	8.5				\$100
Air Source HP Single Package or	> 5.4 and < 11.25	1			11.5	12.2	3.4	\$73
Air Source HP Single Package or	> 5.4 and < 11.25	2			12.1	12.8	3.5	\$77
Air Source HP Single Package or	> 11.25 and < 20	1			11.5	11.6	3.3	\$79
Air Source HP Single Package or	> 11.25 and < 20	2			11.7	15.0	3.3	\$82
Air Source HP Single Package or	> 20	1			9.5	10.5	3.2	\$79
Air Source HP Single Package or	> 20	2			9.7	12.0	3.2	\$82

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SmartStart Equipment Type	Cooling Capacity Btu/hr	Incentive Tier	Existing Building			New Construction		
			Minimum Qualifying Efficiency		Incentive \$/ton	Minimum Qualifying Efficiency		Incentive \$/ton
			EER	COP		EER	COP	
PTAC	< 7,000	1	12.0		\$40	12.0		\$20
PTAC	> 7,000	1	12.0		\$40	12.0		\$20
PTAC	> 8,000	1	11.7		\$40	11.7		\$20
PTAC	> 9,000	1	11.4		\$40	11.4		\$20
PTAC	> 10,000	1	11.1		\$40	11.1		\$20
PTAC	> 11,000	1	10.8		\$40	10.8		\$20
PTAC	> 12,000	1	10.5		\$40	10.5		\$20
PTAC	> 13,000	1	10.2		\$40	10.2		\$20
PTAC	> 14,000	1	9.9		\$40	9.9		\$20
PTAC	> 15,000	1	9.6		\$40	9.6		\$20
PTHP	< 7,000	1	12.0	3.4	\$40	12.0	3.4	\$20
PTHP	> 7,000	1	12.0	3.4	\$40	12.0	3.4	\$20
PTHP	> 8,000	1	11.7	3.3	\$40	11.7	3.3	\$20
PTHP	> 9,000	1	11.4	3.3	\$40	11.4	3.3	\$20
PTHP	> 10,000	1	11.1	3.2	\$40	11.1	3.2	\$20
PTHP	> 11,000	1	10.8	3.2	\$40	10.8	3.2	\$20
PTHP	> 12,000	1	10.5	3.1	\$40	10.5	3.1	\$20
PTHP	> 13,000	1	10.2	3.1	\$40	10.2	3.1	\$20
PTHP	> 14,000	1	9.9	3.0	\$40	9.9	3.0	\$20
PTHP	> 15,000	1	9.6	3.0	\$40	9.6	3.0	\$20

SmartStart Equipment Type	Cooling Capacity tons	Incentive Tier	Existing Building			New Construction		
			Minimum Qualifying Efficiency		Incentive \$/ton	Minimum Qualifying Efficiency		Incentive \$/ton
			EER	COP		EER	COP	
Water Source Heat Pump	< 1.4	1	12.4	4.3	\$40	12.4	4.3	\$20
Water Source Heat Pump	< 1.4	2	14.0	4.8	\$45	14.0	4.8	\$23
Water Source Heat Pump	> 1.4 and < 5.4	1	13.3	4.3	\$60	13.3	4.3	\$30
Water Source Heat Pump	> 1.4 and < 5.4	2	15.0	4.5	\$68	15.0	4.5	\$34
Water Source Heat Pump	> 5.4 and < 11.25	1	13.3	4.3	\$80	13.3	4.3	\$40
Water Source Heat Pump	> 5.4 and < 11.25	2	15.0	4.5	\$90	15.0	4.5	\$45
SPVAC	< 5.4	1	10.2		\$45	10.2		\$10
SPVAC	< 5.4	2	10.7		\$47	10.7		\$12
SPVAC	> 5.4 and < 11.25	1	10.2		\$45	10.2		\$10
SPVAC	> 5.4 and < 11.25	2	10.7		\$47	10.7		\$12
SPVAC	> 11.25 and < 20	1	10.2		\$45	10.2		\$10
SPVAC	> 11.25 and < 20	2	10.7		\$47	10.7		\$12
SPVHP	< 5.4	1	10.2	3.1	\$45	10.2	3.1	\$10
SPVHP	< 5.4	2	10.7	3.2	\$47	10.7	3.2	\$12
SPVHP	> 5.4 and < 11.25	1	10.2	3.1	\$45	10.2	3.1	\$10
SPVHP	> 5.4 and < 11.25	2	10.7	3.2	\$47	10.7	3.2	\$12
SPVHP	> 11.25 and < 20	1	10.2	3.1	\$45	10.2	3.1	\$10
SPVHP	> 11.25 and < 20	2	10.7	3.2	\$47	10.7	3.2	\$12

SmartStart Equipment Type	Cooling Capacity tons	Incentive Tier	Existing Building			New Construction		
			Minimum Qualifying Efficiency		Incentive \$/ton	Minimum Qualifying Efficiency		Incentive \$/ton
			EER	COP		EER	COP	
Groundwater Source Heat Pump	< 11.25	1	18.4	3.7	\$80	18.4	3.7	\$40
Groundwater Source Heat Pump	< 11.25	2	22.0	3.9	\$96	22.0	3.9	\$48
Ground Source Heat Pump	< 11.25	1	14.4	3.2	\$80	14.4	3.2	\$40
Ground Source Heat Pump	< 11.25	2	18.0	3.6	\$100	18.0	3.6	\$50

Dual Enthalpy Economizers	All Up to \$250/unit. New construction not eligible
Occupancy Controlled Thermostats for Hospitality / Institutional Facilities	Up to \$75/per occupancy controlled thermostat
A/C Economizing Control	≤5 tons - \$85 >5 tons - \$170

Table 4: Gas HVAC Incentives

Technology Classification		FY17 Incentive	
Gas Fired Boilers: FY17 Efficiency Levels			
Boiler Type	Size Category (MBh input)	Non-Condensing	Condensing
Hot Water	< 300	85% AFUE	93% AFUE
Hot Water	≥ 300 and ≤ 2,500	85% Et	91% Et
Hot Water	> 2,500	85% Ec	93% Ec
Steam	< 300	82% AFUE	NA
Steam, all except natural draft	≥ 300 and ≤ 2,500	81% Et	NA
Steam, all except natural draft	> 2,500	81% Et	NA
Steam, natural draft	≥ 300 and ≤ 2,500	79% Et	NA
Steam, natural draft	> 2,500	79% Et	NA
< 300 MBH		Hot Water Non-Condensing - \$0.95/MBH; Min \$400 Hot Water Condensing - \$2.00/MBH ; Min \$1,000 Steam Natural Draft - \$1.40/MBH; Min \$30 Steam Power Ventilation - \$1.40/MBH; Min \$400 Efficiency level defined by above table	

<p>≥300 MBH - 1500 MBH</p>	<p>Hot Water Non-Condensing - \$1.75/MBH</p> <p>Hot Water Condensing - \$2.20/MBH ; Min \$1,000</p> <p>Steam Natural Draft - \$1.00/MBH</p> <p>Steam Power Ventilation - \$1.20/MBH</p> <p>Efficiency level defined by above table</p>
<p>> 1500 MBH - 2500 MBH</p>	<p>Hot Water Non-Condensing - \$1.50/MBH</p> <p>Hot Water Condensing - \$2.20/MBH</p> <p>Steam Natural Draft - \$0.90/MBH</p> <p>Steam Power Ventilation - \$1.20/MBH</p> <p>Efficiency level defined by above table</p>
<p>> 2500 MBH – 4000 MBH</p>	<p>Hot Water Non-Condensing - \$1.30/MBH</p> <p>Hot Water Condensing - \$2.00/MBH</p> <p>Steam Natural Draft - \$0.70/MBH</p> <p>Steam Power Ventilation - \$1.00/MBH</p> <p>Efficiency level defined by above table</p>
<p>> 4000 MBH</p>	<p>Treated under Custom Measure Path</p>
<p>Boiler Economizer Controls</p>	<p>BTU - Incentive</p> <p>≤800,000 - \$1,200</p> <p>>800,000 - <1.6mil - \$1,500</p> <p>≥1.6mil - <3mil- \$1,800</p> <p>≥3mil - <3.5mil - \$2,100</p> <p>≥3.5mil - <4mil - \$2,400</p> <p>≥4mil - \$2,700</p>
<p>Gas Furnaces</p>	
<p>AFUE to ≥ 95% ≥ 2.0% Fan Efficiency, ENERGY STAR qualified</p>	<p>Incentive up to \$400 per furnace</p>

Technology Classification	FY17 Incentive
Gas Infrared Heating	Low Intensity Infrared Heater with Reflectors ≤100,000 btu/hr. - \$500 per unit >100,000 btu/hr. - \$300 per unit Indoor Only

Table 5: Gas Water Heating Incentives

Technology Classification	FY17 Incentive															
Gas Fired Water Heating:	<table border="1"> <thead> <tr> <th>Capacity</th> <th>Efficiency</th> <th>Incentive \$ / MBh</th> </tr> </thead> <tbody> <tr> <td>≤ 75,000 Btu/h</td> <td>≥ 0.67 EF</td> <td>\$1.75</td> </tr> <tr> <td>≤ 75,000 Btu/h</td> <td>≥ 0.80 EF</td> <td>\$3.50</td> </tr> <tr> <td>> 75,000 Btu/h</td> <td>≥ 82% Et</td> <td>\$1.75</td> </tr> <tr> <td>> 75,000 Btu/h</td> <td>≥ 92% Et</td> <td>\$3.50</td> </tr> </tbody> </table>	Capacity	Efficiency	Incentive \$ / MBh	≤ 75,000 Btu/h	≥ 0.67 EF	\$1.75	≤ 75,000 Btu/h	≥ 0.80 EF	\$3.50	> 75,000 Btu/h	≥ 82% Et	\$1.75	> 75,000 Btu/h	≥ 92% Et	\$3.50
Capacity	Efficiency	Incentive \$ / MBh														
≤ 75,000 Btu/h	≥ 0.67 EF	\$1.75														
≤ 75,000 Btu/h	≥ 0.80 EF	\$3.50														
> 75,000 Btu/h	≥ 82% Et	\$1.75														
> 75,000 Btu/h	≥ 92% Et	\$3.50														
Gas Fired Water Booster Heaters:																
≤ 100 MBH	Up to \$17 per MBH															
> 100 MBH	Up to \$35 per MBH															

Table 6: Variable Frequency Drives

Variable Frequency Drives			
		Motor Size (HP)	Incentive (\$)
VAV - Variable Air Volume HVAC System:	5 HP ≤ 50 HP		
CV - Constant Volume HVAC System:	0.5 HP ≤ 50 HP	0.5	\$50
T - Cooling Tower:	10 HP ≤ 50 HP	1	\$75
P - Chilled Water Pump:	20 HP ≤ 50 HP	2	\$100
A - Air Compressor:	25 HP ≤ 200 HP	3	\$200
BP - Boiler Feed Water Pump:	5 HP ≤ 50 HP	4	\$300
BF - Boiler Fan Motor:	5 HP ≤ 50 HP	5	\$900
K - Kitchen Hood:	0.5 HP ≤ 50 HP	7.5	\$1,000
• Controlled HP is the cumulative motor HP controlled by each VFD.		10	\$1,100
• Controlled HP less than the listed eligible values are ineligible for incentives.		15	\$1,200
• Controlled HP more than the listed eligible values should use the C&I Custom program.		20	\$1,300
• If the controlled HP falls in between the HP listed on the VFD incentive table, the incentive is based on the lower controlled HP listed.		25	\$1,400
• For all VFD measure except air compressors, the maximum controlled threshold is 50HP. VFDs controlling more than 50HP, except related to air compressors, will be reviewed through the custom measure path.		30	\$1,500
		40	\$2,500
		50	\$3,000
		60	\$3,500
		75	\$4,000
		100	\$5,000
		200	\$7,000
• For new air compressors with VFDs, prescriptive incentives will be provided for units up to 200HP. VFDs controlling air compressor motors exceeding 200HP will be reviewed through the custom measure path.			

Table 7: Premium Efficiency Motors

Technology Classification	FY17 Incentive
Premium Efficiency Motors:	
Fractional (< 1 HP) Electronic Commutated Motors (ECM)	Up to \$40 per ECM for replacement of existing shaded-pole motor in refrigerated/freezer cases New construction projects not eligible

Table 8: Lighting Incentives

Technology Classification	FY17 Incentive
<p>Prescriptive Lighting: For all prescriptive lighting, fixture or lamp must be listed by UL or other OSHA approved Nationally Recognized Testing Laboratory (NRTL) in accordance with applicable US standards</p>	
<p>T-8 lamps retrofitted to reduced wattage T8 lamps</p>	<p>Up to \$5 per fixture for T8 to reduced wattage T8 (28W/25W 4') retrofit or new fixture – requires lamp and ballast replacement</p> <p>For retrofit to T8 lamps 4' systems only –High Performance or Reduced Wattage lamps and ballasts must be qualified by CEE unless otherwise defined by the program.</p>
<p>Permanently De-lamp Fixtures and Add Reflectors as long as changing to a more efficient lighting system.</p>	<p>Up to \$10 per fixture for the retrofit of T8 to T8 technology with permanent delamping and adding new reflectors.</p> <p>For retrofit to T8 lamps 4' systems only –High Performance or Reduced Wattage lamps and ballasts must be qualified by CEE unless otherwise defined by the program.</p>
<p>T-5 and T-8 Fixtures replacing HID fixtures or incandescent</p>	<p>Incentives will be paid as a Prescriptive Measure based on specific eligibility requirements.</p> <p>T12 retrofit/replacements not eligible for incentive.</p>
	<p>T-5 or T-8 fluorescent fixtures replacing >750 Watts or greater HID, or incandescent fixtures: Up to \$150 per fixture removed.</p>
	<p>T-5 or T-8 fluorescent fixtures replacing 400 - 750 Watts HID, fluorescent, or incandescent fixture: Up to \$100 per fixture removed</p>
<p>T-5 and T-8 Fixtures replacing HID fixtures</p>	<p>T-5 or T-8 fluorescent fixtures replacing 250-399 Watts HID fixture: Up to \$50 per fixture removed.</p>
	<p>T-5 or T-8 fluorescent fixtures replacing less than 250 Watts HID fixture: Up to \$25 per fixture removed.</p>
	<p>Refer to Application and/or website for standards that apply to these measures</p>

New Construction and Complete Renovation	Existing buildings eligible for performance lighting incentives; Existing lighting must be completely removed from area where new lighting is to be installed.
Induction Lighting Fixtures Retrofit of HID	Up to \$50 per HID (≥100W) fixture retrofitted with induction lamp, power coupler and generator. Replacement unit must use 30% less wattage per fixture than existing HID
Induction Lighting Fixtures Replacement of HID	Up to \$70 per HID(≥100W) fixture with a new induction fixture Replacement unit must use 30% less wattage per fixture than existing HID

LED Prescriptive Lighting – For incentive eligibility, LED equipment must be listed on the current ENERGY STAR or Design Lights Consortium qualified products list. LED (integral/screw-in) lamp and recessed downlight incentives are provided for replacement of incandescent/halogen lamps only. Incentives will not be provided for:

- LEDs replacing existing LED lamps/fixtures; or LEDs replacing existing T12 equipment
- LED Lamps (Integral/Screw-In) replacing HID and CFL lamps.
- Installation of eligible screw-in/plug-in lighting measures in non-permanent and non-hard-wired fixtures (Example - refrigerator, oven, floor/desk lamps, etc.).

Technology Classification	FY17 Incentive
LED Lamp (Integral/Screw-In)	\$5/lamp for PAR30, PAR30L, PAR38, R30, B10, CA10, F10, G16.5, G25, MR16, PAR16, PAR20, R20, Globe, Candelabra, A15, A19, A21, BR30, BR40, R40, B13, BA10, F15, MRX16 and other miscellaneous types
LED Refrigerated Case Lighting	Up to \$30 per 4' LED Fixture Up to \$42 per 5' LED fixture Up to \$65 per 6' LED fixture
LED Display Case Lighting	Incentive for replacement of fluorescent lighting system in medium or low temperature display cases. Technical requirements of this incentive are listed on the prescriptive lighting application. Up to \$30 per display case
LED Shelf-mounted display and task lights	Up to \$15 per foot
LED Portable Desk Lamps	Up to \$5 per fixture

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LED Wall-wash Lights	Up to \$30 per fixture
LED Stairwell and Passageway Luminaires	Up to \$40 per fixture
LED Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	Up to \$100 per fixture; new and retrofit
LED Outdoor Pole/Arm-Mounted Decorative Luminaires	Up to \$50 per fixture; new and retrofit
LED Outdoor Wall-Mounted Area Luminaires	Up to \$100 per fixture
LED Parking Garage Luminaires	Up to \$100 per fixture
LED Track or Mono-point Directional Lighting Fixtures	Up to \$30 per fixture
Large Outdoor Pole/Arm-Mounted Area and Roadway Retrofit	Up to \$150 per fixture
LED high-bay and Low-bay fixtures for C&I Buildings	Up to \$150 per fixture
LED High-bay Aisle Lighting	Up to \$150 per fixture
LED Bollard Fixtures	Up to \$50 per fixture
LED Linear Panels (Luminaires for Ambient Lighting of Interior Commercial Spaces)	Up to \$15 per fixture for 1x4, 2x2 (new and retrofit) Up to \$25 per fixture for 2x4 (new and retrofit)
LED Fuel Pump Canopy	Up to \$100 per fixture
LED Architectural Flood and Spot Luminaires	Up to \$50 per fixture
LED Linear Ambient Luminaires (Indirect, Indirect/Direct, Direct/Indirect, Direct)	Up to \$20 per 2' fixture Up to \$30 per 3' fixture Up to \$45 per 4' fixture Up to \$60 per 6' fixture Up to \$75 per 8' fixture
LED Retrofit Kits	Incentive offered as a Custom measure except as noted.

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LED Linear Lamps (2' and 4')	Up to \$5/Lamp
LED Bath Vanity	Up to \$5/fixture
LED Cove Mount	Up to \$5/fixture
LED Decorative Candle: Other	Up to \$5/fixture
LED Decorative: Other	Up to \$5/fixture
LED Downlight Pendant	Up to \$5/fixture
LED Bath Vanity	Up to \$5/fixture
LED Downlight Solid State Retrofit	Up to \$5/fixture
LED Downlight Surface Mount	Up to \$5/fixture
LED ENERGY STAR: Other	Up to \$5/fixture
LED Outdoor Porch Wall Mount	Up to \$5/fixture
LED ENERGY STAR Outdoor Post-Mount	Up to \$5/fixture
LED Porch (wall mounted)	Up to \$5/fixture
LED Torchiere	Up to \$5/fixture
LED Ceiling Mount	Up to \$5/fixture
LED Close to Ceiling Mount	Up to \$5/fixture
LED Decorative Pendant	Up to \$5/fixture
LED Inseparable SSL - Other	Up to \$5/fixture
LED ENERGY STAR Security	Up to \$5/fixture
LED ENERGY STAR Wall Sconces	Up to \$5/fixture
LED Wrapped Lens	Up to \$5/fixture

Table 9: Lighting Controls Incentives

Technology Classification	FY17 Incentive
Lighting Controls:	Wireless and Hard-Wired Only
Occupancy Sensors (Turning fixtures off in Existing facilities only) (e.g. ceiling)	
Wall Mounted	Up to \$20 per control
Remote Mounted	Up to \$35 per control
Day Lighting Dimmers – All facilities	For both fluorescent fixtures, HID or Fluorescent Hi-Bay, and LED controls - \$45 per fixture controlled.
Fluorescent, HID or LED Fixtures	New construction projects not eligible unless exceeding code requirement under ASHRAE 90.1-2013
Hi-Low Controls - All facilities:	For all Hi-Low Controls, \$35 per fixture controlled
Fluorescent, HID or LED Fixtures	New construction projects not eligible unless exceeding code requirement under ASHRAE 90.1-2013

Table 10: Lighting Performance Incentives

Technology Classification	FY17 Incentive
Performance Based Lighting incentives for indoor and outdoor installations (attached to building)	<p>Lighting projects must exceed ASHRAE 90.1-2013 lighting power density (LPD) standards</p> <p>Eligible incentive is the lesser of \$30 per eligible fixture or \$1/Watt over the LPD baseline per qualified area</p> <p>Available for New Construction and Existing Buildings. Areas within existing building eligible only if existing lighting completely removed. New construction additions (add-ons) to an existing building are eligible</p> <p>Existing buildings eligible for areas where existing lighting is completely removed.</p>

Table 11: Food Service Incentives

Technology Classification	FY17 Incentive
Refrigeration Controls: <i>Door heater and electric defrost controls not eligible for new construction projects unless equipment purchased prior to March 21, 2016 or providing sufficient code permit documentation under former energy code (ASHRAE 90.1-2007)</i>	
Door Heater Control	\$50 per control
Electric Defrost Control	\$50 per control
Novelty Cooler Shutoff	\$50 per control
Evaporator Fan Control	\$75 per control
Refrigeration Doors/Covers:	
Energy-Efficient Doors for open Refrigerated Doors/Covers	\$100 per door
Aluminum Night Curtains for Open Refrigerated Cases	\$3.50 per linear foot
Commercial Dishwashers: Equipment must be qualified by the current version* of ENERGY STAR or CEE* ¹	
Under Counter	\$400 per unit
Door Type	\$700 per unit
Single Tank Conveyor	\$1,000 per unit
Multiple Tank Conveyor	\$1,500 per unit
<p>Commercial Combination Oven/Steamer (Electric): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must meet the idle energy rate requirements in the Electric Combination Oven/Steamer Table, utilizing American Society for Testing and Materials (ASTM) F2861. ○ Must have a cooking energy efficiency of 50 percent or greater in steam mode and 70 percent cooking energy efficiency or greater in convection mode, utilizing (ASTM) F2861. 	

* Version in place at time of application submittal

- Combination oven/steamer pan capacity based on the maximum capacity of full-size 2 1/2-inch deep hotel pans. This must be consistent with the number of pans used to meet the energy-efficiency qualifications per ASTM F2861.

Pan Capacity	
Less than 15 pans	\$1,000 per oven
15-28 pans	
Greater than 28 pans	

Commercial Combination Oven/Steamer (Gas): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.

- ASTM Criteria:
 - Must have a cooking energy efficiency of 38 percent or greater in steam mode and 44 percent or greater in convection mode, utilizing ASTM F2861.
 - Must meet the idle energy rate requirements in the Gas Commercial Combination Oven/Steamer Table, utilizing ASTM F2861.
 - Combination oven/steamer pan capacity on based on the maximum capacity of full-size 2 1/2-inch deep hotel pans. This must be consistent with the number of pans used to meet the energy-efficiency qualifications per ASTM F2861.

Pan Capacity	
Less than 15 pans	\$750 per oven
15-28 pans	
Greater than 28 pans	

Commercial Convection Oven (Electric): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.

- ASTM Criteria:
 - Must have a tested heavy load (potato) cooking energy efficiency of 70 percent or more, utilizing ASTM F1496.
 - Full-size electric ovens must have a tested idle energy rate of 1.6 kW or less, utilizing ASTM F1496.
 - Half-size electric ovens must have a tested idle energy rate of 1.0 kW or less, utilizing ASTM F1496.

Commercial Convection Oven (Electric)	\$350 per oven
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<p>Commercial Convection Oven (Gas): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested heavy load (potato) cooking energy efficiency of 44 percent or greater and an idle energy rate of 13,000 Btu/h or less, utilizing ASTM F1496. 	
Commercial Convection Oven (Gas)	\$500 per oven
<p>Commercial Rack Oven (Gas): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested baking energy efficiency of 50 percent or greater, utilizing ASTM F2093. 	
Commercial Rack Oven Single (Gas)	\$1,000 per single oven
Commercial Rack Oven Double (Gas)	\$2,000 per double oven
<p>Commercial Conveyor Oven (Gas): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested baking energy efficiency of 42 percent or greater, utilizing ASTM F1817. ○ Small conveyor ovens with total conveyor width 25 inches or less must have a tested idle energy rate that is 29,000 Btu/h or less, utilizing ASTM F1817. ○ Large conveyor ovens with total conveyor width greater than 25 inches must have a tested idle energy rate that is 57,000 Btu/h or less, utilizing ASTM F1817. ○ Multiple-deck oven configurations are paid per qualifying oven deck. 	
Commercial Conveyor Oven – Small (Conveyor width 25in. or less, Gas)	\$500 per deck
Commercial Conveyor Oven – Large (Conveyor width greater than 25in., Gas)	\$750 per deck
<p>Commercial Fryer (Electric): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested heavy load cooking energy efficiency of 80 percent or greater and an idle energy rate of 1.0 kW or less, utilizing ASTM F1361. ○ Multiple vat configurations are paid per qualifying vat. 	

Commercial Fryer (Electric)	\$200 per vat
<p>Commercial Fryer (Gas): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must meet a tested heavy load cooking energy efficiency of 50 percent or greater and an idle energy rate of 9,000 Btu/h or less, utilizing ASTM F1361. ○ Multiple vat configurations are paid per qualifying vat. 	
Commercial Fryer (Gas)	\$749 per vat
<p>Commercial Large Vat Fryer (Electric): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested heavy load (French fry) cooking energy efficiency of 80 percent or greater, utilizing ASTM F2144. ○ Multiple vat configurations are paid per qualifying vat. 	
Commercial Large Vat Fryer (Electric)	\$200 per vat
<p>Commercial Large Vat Fryer (Gas): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested heavy load (French fry) cooking energy efficiency of 50 percent or greater, utilizing ASTM F2144. ○ Multiple vat configurations are paid per qualifying vat. 	
Commercial Large Vat Fryer (Gas)	\$500 per vat
<p>Commercial Griddle (Electric): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested heavy load cooking energy efficiency of 70 percent or greater and an idle energy rate of 355 watts per square foot of cooking surface or less, utilizing ASTM F1275. 	

Commercial Griddle (Electric)	\$300 per griddle
<p>Commercial Griddle (Gas): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested heavy load cooking energy efficiency of 38 percent or greater and an idle energy rate of 2,650 Btu/h per square foot of cooking surface or less, utilizing ASTM F1275. 	
Commercial Griddle (Gas)	\$125 per griddle
<p>Commercial Steam Cooker (Electric): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested heavy load (potato) cooking energy efficiency of 50 percent or greater, utilizing ASTM F1484. 	
Commercial Steam Cooker (Electric)	\$1,250 per steamer
<p>Commercial Steam Cooker (Gas): Equipment must be qualified by the current version of ENERGY STAR, CEE or ASTM criteria defined below.</p> <ul style="list-style-type: none"> ○ ASTM Criteria: <ul style="list-style-type: none"> ○ Must have a tested heavy load (potato) cooking energy efficiency of 38 percent or greater, utilizing ASTM F1484. 	
Commercial Steam Cooker (Gas)	\$2,000 per steamer
<p>Insulated Holding Cabinets:</p> <ul style="list-style-type: none"> ○ Must meet CEE Tier II specification. ○ Does not include cook and hold equipment. ○ All measures must be electric hot food holding cabinets that are fully insulated and have solid doors. 	
Insulated Holding Cabinet, Full Size	\$300 per unit
Insulated Holding Cabinet, ¾ Size	\$250 per unit
Insulated Holding Cabinets, ½ Size	\$200 per unit

Commercial Glass Door Refrigerators:

- The refrigeration system must be built-in (packaged).
- Cases with remote refrigeration systems do not qualify.
- Must meet ENERGY STAR Version 2.0 specification.

ENERGY STAR Glass Door Refrigerators – Internal volume <15 ft ³	\$75 per unit
ENERGY STAR Glass Door Refrigerators – Internal volume 15 ft ³ –29.9 ft ³	\$100 per unit
ENERGY STAR Glass Door Refrigerators – Internal volume 30 ft ³ –49.9 ft ³	\$125 per unit
ENERGY STAR Glass Door Refrigerators – Internal volume ≥ 50 ft ³	\$150 per unit

Commercial Solid Door Refrigerators:

- The refrigeration system must be built-in (packaged).
- Cases with remote refrigeration systems do not qualify.
- ENERGY STAR specification Version 1.0 refrigerators do not qualify.
- Must meet ENERGY STAR Version 2.0 specification.

ENERGY STAR Solid Door Refrigerators – Internal volume <15 ft ³	\$50 per unit
ENERGY STAR Solid Door Refrigerators – Internal volume 15 ft ³ –29.9 ft ³	\$75 per unit
ENERGY STAR Solid Door Refrigerators – Internal volume 30 ft ³ –49.9 ft ³	\$125 per unit
ENERGY STAR Solid Door Refrigerators – Internal volume ≥ 50 ft ³	\$200 per unit

Commercial Glass Door Freezers:

- The refrigeration system must be built-in (packaged).
- Cases with remote refrigeration systems do not qualify.
- Must meet ENERGY STAR Version 2.0 specification.

ENERGY STAR Glass Door Freezers – Internal volume <15 ft ³	\$200 per unit
ENERGY STAR Glass Door Freezers – Internal volume 15 ft ³ –29.9 ft ³	\$250 per unit

ENERGY STAR Glass Door Freezers – Internal volume 30 ft ³ –49.9 ft ³	\$500 per unit
ENERGY STAR Glass Door Freezers – Internal volume ≥ 50 ft ³	\$1,000 per unit
Commercial Solid Door Freezers: <ul style="list-style-type: none"> ○ The refrigeration system must be built-in (packaged). ○ Cases with remote refrigeration systems do not qualify. ○ ENERGY STAR specification Version 1.0 freezers do not qualify. ○ Must meet ENERGY STAR Version 2.0 specification. 	
ENERGY STAR Solid Door Freezers – Internal volume <15 ft ³	\$100 per unit
ENERGY STAR Solid Door Freezers – Internal volume 15 ft ³ –29.9 ft ³	\$150 per unit
ENERGY STAR Solid Door Freezers – Internal volume 30 ft ³ –49.9 ft ³	\$300 per unit
ENERGY STAR Solid Door Freezers – Internal volume ≥ 50 ft ³	\$600 per unit
Commercial Ice Machines: <ul style="list-style-type: none"> ○ Ice machines must be tested in accordance with the Air Conditioning and Refrigeration Institute (ARI) Standard 810. ○ Includes machines generating ice cubes that are 60 grams (2 oz.) or lighter. It also includes flaked, crushed and fragmented ice makers. ○ Only air-cooled machines (self-contained, ice making heads, or remote condensing) qualify. ○ The entire ARI tested ice making system must be purchased. ○ Remote machines must be purchased with qualifying remote condenser or remote condenser/compressor unit. ○ The efficiency specifications for the two qualifying tiers are equivalent to ENERGY STAR or Super-Efficient. 	
ENERGY STAR Ice Machine (101–200 lbs./day)	\$50 per unit
ENERGY STAR Ice Machine (201–300 lbs./day)	\$50 per unit
ENERGY STAR Ice Machine (301–400 lbs./day)	\$75 per unit
ENERGY STAR Ice Machine (401–500 lbs./day)	\$75 per unit
ENERGY STAR Ice Machine (501–1000 lbs./day)	\$125 per unit

ENERGY STAR Ice Machine (1001–1500 lbs./day)	\$200 per unit
ENERGY STAR Ice Machine (greater than 1500 lbs./day)	\$250 per unit
Super-Efficient Ice Machine (101–200 lbs./day)	\$100 per unit
Super-Efficient Ice Machine (201–300 lbs./day)	\$100 per unit
Super-Efficient Ice Machine (301–400 lbs./day)	\$150 per unit
Super-Efficient Ice Machine (401–500 lbs./day)	\$150 per unit
Super-Efficient Ice Machine (501–1000 lbs./day)	\$250 per unit
Super-Efficient Ice Machine (1001–1500 lbs./day)	\$400 per unit
Super-Efficient Ice Machine (greater than 1500 lbs./day)	\$500 per unit

Note: The incentives identified above may be reduced with the approval of the Office of Clean Energy.