

Commercial & Industrial Prescriptive Application for Energy Efficiency Incentives



Instructions for Use:

For more detailed instructions, please refer to the Terms and Conditions included with this application.

Please call 877-NRG-LBWL (877-674-5295) for questions about the application and/or pre-approval before installation.

- Step 1:** **Determine Eligibility:** Equipment must be new and installed in a facility which is a *Lansing Board of Water & Light* customer.
- Step 2:** **Install Equipment:** New equipment must be installed and old equipment removed. Only new products which are exact product types listed in this form are eligible for prescriptive incentives. Make sure the project has received pre-approval before installation.
- Step 3:** **Complete and sign the application:** Incomplete applications will cause delays in payment. Forms *must* be received within 30 days of installation.
- Step 4:** **Include the following documentation with your application:**
- Itemized invoices including costs for equipment installed and installation labor.
 - New equipment specification sheet(s).
- Step 5:** **Return completed application and required materials to (choose a method):**

Mail to:
Hometown Energy SaversSM
1219 Turner Street
Lansing, MI 48906

Email scanned copies to:
Hometown@FranklinEnergy.com

Fax applications to: (517) 316-9027

Pre-Approval Checklist

The pre-approval checklist needs to be filled out and submitted with applications requiring pre-approval.
All line items designated as (Req'd) must be checked before submitting application.

- Application has been filled out completely with accurate and complete contact information. (Req'd)
- All HPT8 Lighting (Low Watt included) has been verified in the CEE1.org database by Customer or Contractor. Lamps & ballast are approved. (Req'd if applied for.)
- All Non-lighting measures meet the minimum specifications stated in this document. High Bay lighting meets "equipment guidelines." (Req'd if applied for)
- Separate manufacturer specification sheets with part numbers are being submitted for all equipment. (fixture-mounted Occ. Sensors included) (Req'd)
- Itemized quote included with at least 1 line item cost per incentive measure applied for. Quote includes intended manufacturer and part numbers. (Req'd)
- Terms and conditions have been read and are understood by all parties involved. (Req'd)

Final Application Checklist - to be completed after installation

The Final application checklist needs to be filled out and submitted with applications for final approval.
All line items designated as (Req'd) must be checked before submitting application.

- Application has been filled out completely with accurate and complete contact information. (Req'd)
- All quantities listed in application have been verified, any deviations have been explained. (Req'd)
- Final invoices have been submitted with required information (part numbers, any labor and miscellaneous mat'l related to project). (Req'd)
- Application has been signed by customer representative receiving incentive. (Req'd)

Commercial & Industrial Prescriptive Application for Energy Efficiency Incentives



Customer Information and Agreement (Please Print)

Name of Business		Phone	Email Address	
Mailing Address		City	State MI	ZIP Code
Installation Address		City	State MI	ZIP Code
Utility Account Number	Hours of Operation: Is this a 24-hour facility? <input type="checkbox"/> Yes <input type="checkbox"/> No			Please indicate annual hrs of operation: ----->
Building Use - Please Check One: (or for electronic copies, please indicate from list below in adjacent space provided) ----->				
<input type="checkbox"/> Office <input type="checkbox"/> Retail <input type="checkbox"/> Warehouse <input type="checkbox"/> Grocery / Supermarket <input type="checkbox"/> Manufacturing <input type="checkbox"/> Lodging <input type="checkbox"/> School: Elementary <input type="checkbox"/> Other / Miscellaneous <input type="checkbox"/> Healthcare facility <input type="checkbox"/> School: College				
Fuel type for space heating: <input type="checkbox"/> Natural Gas <input type="checkbox"/> Electric <input type="checkbox"/> LP (Propane) <input type="checkbox"/> Oil				
How did you learn about the program? (please check a box below to indicate)				
<input type="checkbox"/> My Utility <input type="checkbox"/> Utility Website <input type="checkbox"/> Newspaper <input type="checkbox"/> Community Event <input type="checkbox"/> Mail / Bill insert <input type="checkbox"/> Contractor <input type="checkbox"/> Other				

Name of Installing Contractor (if applicable)	Address	City	State
Contractor Phone	Contractor Email:		

Certifications and Signature

I hereby certify that: 1. The information contained in this application is accurate and complete; 2. All rules of this incentive program have been followed; and 3. I have read and understand the Terms and Conditions included with this document.

I agree to verification of equipment installation which may include a site inspection by a program or utility representative. I understand that I am not allowed to receive more than one incentive from this program on any piece of equipment. I hereby agree to indemnify, hold harmless and release the utility from any actions or claims in regard to the installation, operation and disposal of equipment (and related materials) covered herein, including liability from any incidental or consequential damages. Please sign and complete all information below. Customer signature is required for payment.

Signature	Print Name	Date Submitted	
		Date Installed	

Payment Release Authorization (Optional)

Complete this section ONLY if incentive payment is to be paid to an entity other than the Customer.

I am authorizing the payment of the incentive to the third party named below, and I understand that I will not be receiving the incentive payment. I also understand that my release to a third party does not exempt me from the program requirements outlined in the Terms and Conditions.

Authorized by:

Signature	Print Name	Date
Check should be made payable to:		
Payee: Company/Individual Name		
Mailing Address		
City	State	ZIP Code
Contact Phone Number		
Taxpayer ID# (SSN/FEIN OR PAYEE)	Tax Status - Corporation (Inc., PC, etc). Tax exempt, Individual, other (may receive 1099)	

Program Use Only			
Date Received	Post Inspected?	Incentive Approved (yes / no)	Date Approved
	Post Inspection Required? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Post Inspection Date	Amount	

Terms and Conditions

1. **Incentive Offer:** Projects must be implemented (completed) by December 31, 2010. An original signed application and invoices for materials and labor must be delivered via mail to Hometown Energy SaversSM, 1219 Turner Street, Lansing, MI 48906, emailed to Hometown@FranklinEnergy.com, or faxed to 1-517-316-9027 **within 30 calendar days of installation (completion)**. Please keep a copy for your records.
2. **Proof of Purchase:** This application must have complete information and be submitted with 1) an invoice itemizing the new equipment purchased and 2) the manufacturer (OEM) specification sheets. The invoice must indicate date of purchase, size, type, make, model and total project cost.
3. **Energy Savings:** Projects must result in reduced electric energy use due to improvement in the system efficiency; control upgrades may also qualify. Reduced electric use resulting from peak shaving, demand limiting, fuel switching, power generation, renewable energy, or operating schedule changes does not qualify. To qualify, lighting must be used a minimum of 1,800 hours per year.
4. **Compliance:**
 - a. All projects must comply with applicable federal, state and local laws.
 - b. All equipment must be new or retrofitted with new components per the program specifications. Used or rebuilt equipment is not eligible for incentives. Existing equipment must be removed or permanently disconnected.
 - c. Equipment must meet specification requirements and be purchased and operating prior to submitting an incentive application.
 - d. Only one incentive will be granted for each project.
 - e. All projects must be a retrofit / replacement installation in an existing building (not available for new construction).
 - f. If the project is in a leased building, the term of the lease must be at least five (5) years.
5. **Payment:** Once completed paperwork is submitted, incentive payments are usually made within 30 calendar days. Incomplete applications will either delay payments or result in denial of application approval. The Lansing Board of Water and Light reserves the right to refuse payment and participation if the customer or contractor violates program Terms and Conditions. All projects exceeding \$5,000 of incentives will be inspected prior to incentive payment. The Lansing Board of Water and Light must receive 100% of the energy savings for the rated life of the product(s) or for a period of three (3) years from receipt of rebate, whichever is less. If you do not provide the energy savings, if the facility in which the installed projects are located closes or ceases operation within the three (3) years from receipt of rebate or if you cease to be a customer of the Lansing Board of Water and Light during the three (3) years, you shall refund a prorated amount of rebate dollars based on the time installed.
6. **Inspection:** Program staff may conduct an inspection of the facility to survey installed projects.
7. **Publicity:** The Lansing Board of Water and Light reserves the right to publicize your participation in this program, unless you specifically request otherwise.
8. **Program Discretion:** Incentives are available on a first-come, first-served basis. Incentive amounts and offerings are subject to change or termination without notice at the discretion of The Lansing Board of Water and Light.
9. **Logo Use:** Customers or allies may not use The Lansing Board of Water and Light nor the Hometown Energy SaversSM name or logo in any marketing, advertising, or promotional material without written permission.
10. **Disclaimers:** The Lansing Board of Water and Light:
 - a. does not endorse any particular manufacturer, product, labor or system design by offering these programs;
 - b. will not be responsible for any tax liability imposed on the customer as a result of the payment of incentives;
 - c. does not expressly or implicitly warrant the performance of installed equipment or contractor's quality of work (contact your contractor for detailed warranties);
 - d. is not responsible for the proper disposal/recycling of any waste generated as a result of this project;
 - e. is not liable for any damage caused by the installation of the equipment or for any damage caused by the malfunction of the installed equipment.

INCENTIVE LIMIT:

Purchase and install qualifying equipment and receive an energy efficiency incentive of up to \$50,000 per project. An incentive exceeding \$5,000 must receive written approval BEFORE project installation. Incentives for measures can be up to the purchase price of a specific measure but shall not exceed the incentives set by The Lansing Board of Water and Light for each measure.

ELIGIBILITY:

These incentives are offered by The Lansing Board of Water and Light to electric customers only; water customers are not eligible. For questions regarding eligibility, call 877-NRG-LBWL (877-674-5295).

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Prescriptive Lighting Application

A. Compact Fluorescent Fixtures and Lamps (CFL)				
Description	Specifications	Qty Installed	Incentive Per Unit	Total Incentive (Qty x Incentive)
Compact Fluorescent Light Bulb (CFL)	Replace Incandescent Light Bulb		\$1.50	
Specialty CFL (spot lamp, 3 way, Dimm.)	Replace Incandescent Light Bulb w/ specialty CFL		\$4.00	
CFL Fixture	Replace incandescent fixture with permanently wired fixture with pin-based CFL lamps.		\$20.00	
TOTAL FOR SECTION A:				\$0.00

B. High-Performance T8 Fluorescent Systems (CEE Qualified Only)				
Replace T12 systems with CEE Qualified High Performance (super) T8 systems. Lamps and ballasts used must meet the CEE specifications for High Performance T8 Systems. See "Commercial Lighting" at www.cee1.org for approved lamp and ballast list. Replacement fixtures or lamp and ballast retrofits are eligible. For standard T8 to HPT8 replacement / retrofit use the custom application form.				
Description	Specifications	Qty Installed	Incentive Per Unit	Total Incentive (Qty x Incentive)
HPT8 4ft 1 lamp	Replacement or retrofit of T12 4ft 1 lamp		\$5.00	
HPT8 4ft 2 lamp	Replacement or retrofit of T12 8ft 1 lamp		\$8.00	
	Replacement or retrofit of T12HO 8ft 1 lamp		\$15.00	
	Replacement or retrofit of T12 4ft 2 lamp		\$8.00	
HPT8 4ft 3 lamp	Replacement or retrofit of T12 4 ft 3 lamp		\$12.00	
HPT8 4ft 4 lamp	Replacement or retrofit of T12 8ft 2 lamp		\$15.00	
	Replacement or retrofit of T12HO 8ft 2 lamp		\$25.00	
	Replacement or retrofit of T12 4ft 4 lamp		\$15.00	
De-Lamping (per lamp incentive)	Permanent lamp removal combined with HPT8 ballast and lamp retrofit - applies to T12 to HPT8 LW retrofits as well.		\$5.00	
TOTAL FOR SECTION B:				\$0.00

C. Low Watt T8 Fluorescent Systems (CEE Qualified Only)				
Replace T8 / T12 systems with 28 and 25 watt CEE Qualified Reduced Wattage T8 Systems. Lamps and ballasts used must meet the CEE specifications for Reduced Wattage T8 Systems. See "Commercial Lighting" at www.cee1.org for approved lamp and ballast list. Incentive shown includes low wattage fluorescent lamp incentive of \$0.75 per lamp. Replacement fixtures or lamp and ballast retrofits are eligible.				
Description	Specifications	Qty Installed	Incentive Per Unit	Total Incentive (Qty x Incentive)
Low Watt T8 lamps 25W or 28W	Replacement of 32W T8 4ft lamps		\$0.75	
LW HPT8 4ft 1 lamp	Replacement or retrofit of T8 4ft 1 lamp		\$4.00	
LW HPT8 4ft 2 lamp	Replacement or retrofit of T8 4ft 2 lamp		\$7.00	
LW HPT8 4ft 3 lamp	Replacement or retrofit of T8 4 ft 3 lamp		\$10.00	
LW HPT8 4ft 4 lamp	Replacement or retrofit of T8 4ft 4 lamp		\$12.00	
LW HPT8 4ft per lamp	Replacement or retrofit of T12 4ft		\$5.00	
TOTAL FOR SECTION C:				\$0.00

Prescriptive Lighting Measures, Page 2

D. High Bay Fluorescent Fixtures - T8 or T5HO High-Bay Fluorescent Fixtures with Electronic Ballasts. One for one replacement of specific wattage HID (Metal Halide, Mercury Vapor and High Pressure Sodium) or Incandescent Fixtures. Incentive paid @ \$0.35 / Watt reduced (saved). Note: minimum incandescent wattage for replacement is 250W.

Description	Include description of High Bay upgrade: (Existing: type, wattage**) (New: type, wattage, number of lamps)	Qty Installed A	Watts Saved Per Unit B	Incentive (A X B X 0.35)
HID to T5 HO / F32T8 High Bay	Existing:			
	New:			
HID to T5 HO / F32T8 High Bay	Existing:			
	New:			
HID to T5 HO / F32T8 High Bay	Existing:			
	New:			
Other High Bay technology to T5 HO / F32T8	Existing:			
	New:			
Note: All lighting changes must meet IESNA Standards for lighting levels with respect to facility / area installed				
			TOTAL FOR SECTION D:	\$0.00

E. Other Efficient Lighting Technologies and Controls

Description	Specifications	Qty Installed	Incentive Per Unit	Total Incentive (Qty x Incentive)
Pulse Start Metal Halide (PSMH), (retrofit only)	320 W PSMH replacing 400 Watt or larger HID, must be permanently wired ballast and lamp retrofit, or new fixture.		\$60.00	
Occupancy Sensor < 500W	Incentive is per sensor. May be wall or ceiling mounted. Rapid or programmed start ballasts are recommended for fluorescent fixtures. Socket based sensors do not qualify.		\$30.00	
Occupancy Sensor > 500W			\$50.00	
LED Exit Sign New Fixture or Hardwired Retrofit Kit	Replace or retrofit existing sign <input type="checkbox"/> Incandescent <input type="checkbox"/> Fluorescent		\$12.50/ Fixture	
Central Lighting Controls	10,000 SqFt min. / Requires pre-approval / Requires control plan.		\$600.00	
			TOTAL FOR SECTION E:	\$0.00

** See standard Wattage table in the Equipment Guidelines tab

Total for Lighting Measures	\$0.00
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Prescriptive Non-Lighting Application

A. Central Packaged and Split System Air Conditioning (including Rooftop Units)

For split systems, the indoor coil and condenser must be a matched set to be eligible.

Description	Size	Minimum ARI Efficiency	Incentive Per Ton	Tons	Qty	Total Incentive (Incentive/Ton x Tons x Qty)
<65,000 BTUH (1 ph)	< 5.4 tons	14.0 SEER	\$30.00			
<65,000 BTUH (3 ph)	<5.4 tons	11.6 EER	\$30.00			
65,000 – 134,000 BTUH	5.4—11.3 tons	11 EER	\$40.00			
135,000 – 239,000 BTUH	11.4—20.0 tons	11 EER	\$40.00			
240,000 – 759,000 BTUH	20.1—63.3 tons	10 EER	\$40.00			
TOTAL FOR SECTION A:						\$0.00

B. Central Packaged and Split System Air Source Heat Pumps (including Rooftop Units)

For split systems, the indoor coil and condenser must be a matched set to be eligible.

Description	Size	Minimum ARI Efficiency	Incentive Per Ton	Tons	Qty	Total Incentive (Incentive/Ton x Tons x Qty)
<65,000 BTUH (1 ph)	<5.4 tons	14.0 SEER	\$30.00			
<65,000 BTUH (3 ph)	<5.4 tons	11.6 EER	\$30.00			
65,000 – 134,000 BTUH	5.4-11.3 tons	11 EER	\$40.00			
135,000 – 239,000 BTUH	11.4-20.0 tons	11 EER	\$40.00			
240,000 – 759,000 BTUH	> 20.0 tons	10 EER	\$40.00			
TOTAL FOR SECTION B:						\$0.00

C. Air Cooled Chillers

Description (Size)	Minimum ARI Efficiency	Incentive Per Ton	Tons	Qty	Total Incentive (Incentive/Ton x Tons x Qty)
All Sizes	1.2 kW/Ton Full Load	\$30.00			
TOTAL FOR SECTION C:					\$0.00

D. Water Cooled Chillers

Qualifying units must meet listed full- and part-load efficiencies.

Description (Size)	Minimum ARI Efficiency	Incentive Per Ton	Tons	Qty	Total Incentive (Incentive/Ton x Tons x Qty)
<150 Ton	0.79 kW/ton full load 0.49 kW/ ton part load (IPLV)	\$25.00			
150 – 300 Ton	0.63 kW/ton full load 0.44 kW/ ton part load (IPLV)	\$40.00			
> 300 Ton	0.58 kW/ton full load 0.44 kW/ ton part load (IPLV)	\$40.00			
TOTAL FOR SECTION D:					\$0.00

Prescriptive Non-Lighting, Page 2

E. Three Phase Electric Motors

Use the NEMA Premium Motor Efficiencies in Table 1 on page 5 for qualifying efficiencies. Rebuilt, rewind, redundant or backup units do not qualify.

Description	Efficiency %	RPM	ODP or TEFC	HP	Incentive Per HP	Qty	Total Incentive (HP x Incentive / HP x Qty)
1 – 5 HP					\$10.00		
7.5 – 20 HP					\$8.00		
25 – 100 HP					\$5.00		
125 – 250 HP					\$3.00		
					TOTAL FOR SECTION E:		\$0.00

F. Variable Frequency Drives (VFDs)

Drives must be used in pumping or air handling applications related to HVAC only. VFDs must be automatically controlled by a variable signal, and have load diversity that will result in savings through motor speed variation. Redundant unit, back-up units and replacements of existing VFDs do not qualify.

VFD Application (Fan or Pump, Equipment Served)	Controls before VFD	HP	Incentive Per HP	Qty	Total Incentive (HP x Incentive / HP x Qty)
			\$60.00		
			\$60.00		
				TOTAL FOR SECTION F:	\$0.00

G. Miscellaneous Equipment

Equipment must be on the list of qualifying ENERGY STAR® equipment to be eligible for an incentive. Please see the Commercial Food Service subsection under the Products section at www.energystar.gov for a list of qualifying products.

Description	Incentive Per Unit	Qty	Total Incentive (Incentive/Unit x Qty)	
Vending Equipment Controller (for cold beverage machines)	\$50.00			
ENERGY STAR Commercial Solid Door Refrigerator, less than 20ft3	\$125.00			
ENERGY STAR Commercial Solid Door Refrigerator, between 20 to 48ft3	\$250.00			
ENERGY STAR Commercial Solid Door Refrigerator, more than 48ft3	\$450.00			
ENERGY STAR Commercial Solid Door Freezer, less than 20ft3	\$75.00			
ENERGY STAR Commercial Solid Door Freezer, between 20 to 48ft3	\$200.00			
ENERGY STAR Commercial Solid Door Freezer, more than 48ft3	\$350.00			
ENERGY STAR Ice Machines, less than 500 lbs	\$300.00			
ENERGY STAR Ice Machines, 500 to 1,000 lbs	\$450.00			
ENERGY STAR Ice Machines, more than 1,000 lbs	\$1,000.00			
Anti-sweat Heater Controls - Per Door Controlled Incentive	\$80.00			
Pre Rinse Sprayers < 1.6 gpm (electric water heating required)	\$25.00			
			TOTAL FOR SECTION G:	\$0.00

Total for Non-Lighting Measures	\$0.00
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Equipment Guidelines

Lighting

HPT8 Lighting Retrofits: Retrofits of T12 lighting to HPT8 lighting requires a ballast and lamp retrofit to HPT8 components listed in the 32Watt HPT8 "approved" database that can be found at www.cee1.org/com/com-lt/lamps-ballasts.xls.

HPT8 LW Lighting Retrofits: Retrofits of T12 or Standard T8 lighting to Low Watt HPT8 lighting requires a ballast and lamp retrofit to LW HPT8 components listed in the LW HPT8 "approved" database found at www.cee1.org/com/com-lt/RW-lamps-ballasts.xls.

High Bay Fluorescent replacing HID High Bay Fixtures: Fluorescent high bay fixtures must be "marketed" as either High Bay fixtures or as F-Bay fixtures and typically include a "high" ballast factor ballast, reflector and 4100 - 6000K Lamps. A ballast factor greater than 1.1 and a specular reflector are required. HB Fixtures are not required to be on the CEE1.org "approved database."

Central Lighting Controls: ALL CENTRAL LIGHTING CONTROLS REQUIRE PRE-APPROVAL and must control 10,000 SqFt (min). Control plans will be required for pre-approval showing functional control and reduction in operating time due to precise automatic control.

Standard Wattage Table for High-Bay Measures

<u>Current High Bay System</u>	<u>Input Watts</u>	<u>Energy-Efficient T5/T8 Systems</u>	<u>Input Watts</u>
HID 150W - 175W	194	F32T8 4L	142
HID 250W	290	F32T8 6L	224
HID 400W	455	F32T8 8L	299
HID 750W	850	F32T8 10L	366
HID 1000W	1080	T5 H.O. 2L	122
		T5 H.O. 3L	182
		T5 H.O. 4L	243
		T5 H.O. 6L	365
		T5 H.O. 8L	486
T12 VHO 2L (Custom App.)		T5 H.O. 10L	608

Energy-Efficient Fixture Wattage will vary by fixture / manufacturer and may be modified if specification sheet provides actual ballast input Wattage (to be determined by program engineering at pre-approval only), otherwise the Wattage listed above will be used for High Bay Lighting Watts saved calculations.

Equipment Guidelines Page 2

Non - Lighting

VFDs: For listed incentive, the VFD must be installed on HVAC equipment including but not limited to boiler circulation pumps on space heating boilers and VFDs added to HVAC blower motors / compressors / fans. VFDs used in "process" equipment such as conveyors or coolant pump applications will be considered on a **custom application basis**.

Motors

Table 1: Nominal Efficiencies For "NEMA Premium™" Induction Motors

HP	Open Drip-Proof			Totally Enclosed Fan-Cooled		
	1200 RPM	1800 RPM	3600 RPM	1200 RPM	1800 RPM	3600 RPM
1	82.5	85.5	77	82.5	85.5	77
1.5	86.5	86.5	84	87.5	86.5	84
2	87.5	86.5	85.5	88.5	86.5	85.5
3	88.5	89.5	85.5	89.5	89.5	86.5
5	89.5	89.5	86.5	89.5	89.5	88.5
7.5	90.2	91	88.5	91	91.7	89.5
10	91.7	91.7	89.5	91	91.7	90.2
15	91.7	93	90.2	91.7	92.4	91
20	92.4	93	91	91.7	93	91
25	93	93.6	91.7	93	93.6	91.7
30	93.6	94.1	91.7	93	93.6	91.7
40	94.1	94.1	92.4	94.1	94.1	92.4
50	94.1	94.5	93	94.1	94.5	93
60	94.5	95	93.6	94.5	95	93.6
75	94.5	95	93.6	94.5	95.4	93.6
100	95	95.4	93.6	95	95.4	94.1
125	95	95.4	94.1	95	95.4	95
150	95.4	95.8	94.1	95.8	95.8	95
200	95.4	95.8	95	95.8	96.2	95.4