



Received: _____ Project # _____ Pre-App ___ Final App

(**Applicant:** Please include this cover page, which IMEA will complete.)

ILLINOIS MUNICIPAL ELECTRIC AGENCY (IMEA) ELECTRIC EFFICIENCY PROGRAM

INCENTIVES FOR IMEA MEMBER COMMERCIAL / INDUSTRIAL and PUBLIC SECTOR ENTITIES

LED Lighting Projects

(Interior and Exterior)

REVISED October 17, 2024

Program Year FY 2024-25
May 1, 2024 – April 15, 2025

NOTE TO APPLICANTS ABOUT PROGRAM FUNDING AND PROJECT START DATES:

Cities have limited funding. You may want to contact the program administrator to check on funding availability before making a pre-application.

Projects that hope to receive an incentive should not begin until they have:

- a) submitted a pre-application;
- b) received a Notice to Proceed from the city and/or IMEA, and;
- c) had a pre-inspection (if required by the city).

Program Contact:

Rodd Whelpley, Program & Communications Administrator
Illinois Municipal Electric Agency
3400 Conifer Drive
Springfield, IL 62711
Ph: 217-789-4632 or 800-243-4632
FAX: 217-789-4642
rwhelpley@imea.org

A SUMMARY OF HOW THIS PROGRAM WORKS

NOTE: Applicants who want to receive an incentive for an electric efficiency project should not begin the project until they have received a Notice to Proceed (see items 5 and 6 below). **Pre-approval is required for all projects.**

1. The applicant fills out this application (Pre-Application) and gathers the additional required materials that constitute a complete application (see the checklist on page 3). **Before filing an application, IMEA suggests contacting the program administrator, Rodd Whelpley (217-789-4632 or rwhelpley@imea.org), to check on a city's funding availability.** Funds are limited and go fast in several IMEA cities.
2. The applicant sends all materials constituting a Pre-Application to Rodd Whelpley at the Illinois Municipal Electric Agency (rwhelpley@imea.org), **as a single PDF file. No more than one application per e-mail.**
3. Rodd Whelpley will review the pre-application and make any necessary adjustments or corrections. Once it is in order, he will pass the pre-application to the IMEA Board Member or other designated official representing the applicant's municipality.
4. City officials will review the pre-application (and may make any necessary adjustments or corrections). City officials will determine the incentive amount they will offer. **This amount may be between \$0 up to the amount for which the project qualifies.** They will communicate their decision to Rodd Whelpley at IMEA. *City officials may set additional caps, limits and rules that are in addition to those listed in this general IMEA application.*
5. Rodd Whelpley will send the applicant a Notice to Proceed. The Notice to Proceed sets aside funding solely for this project. Also with the Notice to Proceed, Rodd will communicate any instructions from the city concerning pre-inspections. (In most cases, IMEA does not require a pre-inspection, but some member cities require them.)
6. **NOTE:** Applicants who want to receive an incentive for an electric efficiency project should not begin the project until they have received a Notice to Proceed and have had a pre-inspection (if required). **Pre-approval is required for all projects.**
7. The applicant does the project (and, if necessary, has a post-inspection).
8. The applicant gathers the necessary materials that constitute a complete final application (see the checklist on page 4) and sends that to Rodd Whelpley (rwhelpley@imea.org) **as a single PDF file.** GENERALLY, for projects that don't change from how they were described in the pre-application, we make a short cut, and the final application is comprised only of sending copies of all final and paid, itemized bills associated with the project preferably as a single PDF file.
9. Rodd Whelpley reviews the final application and makes any necessary adjustments or corrections.
10. IMEA deposits the incentive funds into an account designated on the applicant/payee's Automated Clearing House Payment Authorization form.

IMEA ELECTRIC EFFICIENCY PROGRAM PRE-APPLICATION CHECKLIST AND SUBMISSION REQUIREMENTS

A **Complete Pre-Approval Application** must include:

- This Completed Pre-Approval Application (found at <https://www.imea.org/EE%20Incentives.asp>).

NOTE: ONLY INCLUDE RELEVANT PAGES OF THE APPLICATION. This means only include the cover page and the pages on which you have written information concerning your project. (*Hint: The cover page and pages 3, 5, 6 and 13 will always be included. Likely only some of pages 8-12 will be included. Pages 14 and beyond will never be included.*)

- Signed Certification (**page 6** of this application).
- A signed letter of assignment, if the incentive will go to any entity other than the local applicant or the national headquarters of the local applicant.
- A separate project budget (not a simply single Total Project Cost figure reported on page 5, but an actual project budget) Note: a copy of a vendor bid may constitute a budget.
- Manufacturer spec sheets for new equipment. *It is very useful to highlight the pertinent Wattages on the spec sheets.*
- A copy of the applicant's electric bill.

To Submit a Pre-Application

- 1. Gather materials listed above.**
- 2. Put them into a single PDF file. No more than one application per e-mail.**
- 3. E-mail application in a single PDF file to Rodd Whelpley at rwhelpley@imea.org.**

NOTE: Applications comprised of multiple files delay processing and will very likely be returned to the applicant un-opened.

If you have questions, e-mail Rodd Whelpley or call 217-789-4632.

IMEA ELECTRIC EFFICIENCY PROGRAM FINAL APPLICATION CHECKLIST AND SUBMISSION REQUIREMENTS

A Complete Final Application must include:

- Completed Pre-Approval Application (found at <https://www.imea.org/EE%20Incentives.asp>).

NOTE: ONLY INCLUDE RELEVANT PAGES OF THE APPLICATION. This means only include pages on which you have written information concerning your project. (*Hint: The cover page and pages 4, 5, 6 and 13 will always be included. Likely only some of pages 8-12 will be included. Pages 14 and beyond will never be included.*)

- Signed Certification (**page 6** of this application).
- A signed letter of assignment, if the incentive will go to any entity other than the local applicant or the national headquarters of the local applicant. *If the incentive is assigned, then the final customer billing must provide documentation (usually in the form of a bill credit) showing that the city's retail electric customer received the benefit of the incentive.*
- Copies of all final, paid and itemized bills related to this lighting project to demonstrate the total project cost of the project.
- Manufacturer spec sheets for new equipment.
- A copy of the applicant's electric bill.

To Submit a Final Application

1. Gather materials listed above.
2. Put them into a single PDF file. No more than one application per e-mail.
3. E-mail application in a single PDF file to Rodd Whelpley at rwhelpley@imea.org.

NOTE: Applications comprised of multiple files delay processing and will very likely be returned to the applicant un-opened. Also, see your Notice to Proceed e-mail for instructions for a possible streamlined final application process.

If you have questions, e-mail Rodd Whelpley or call 217-789-4632.

APPLICANT AND PROJECT INFORMATION

Check one: **Pre-approval** **Final Application**

Name of Applicant – Company Name		
Proposed Start Date:	Planned Completion Date:	
Address where measures installed:		
Address:	City:	Zip:
Facility/Business Type: _____ Confirm this is a retrofit project: _ yes _ no (if no, then use a custom application) Heating Fuel Type (check one): _ Gas _ Electric Resistance _ Heat pump _ Unconditioned/Exterior Hours of Operation (list Opening and Closing Times): Monday: _____ Friday: _____ Tuesday: _____ Saturday: _____ Wednesday: _____ Sunday: _____ Thursday: _____ Weeks per year of Operation: ____ Weeks		
Project Manager:		
Telephone #:	Fax #:	Email Address:
IMEA Electric Efficiency Incentive Requested \$ _____ (Calculated in the Application – See Pages 8 - 13. The amount on the line above is the total amount on Table 6, page 13)		Contractor Information (if known) Contact Name: Company: Phone: Email Address:
Other Incentive Funds \$ _____		
Specify Source of Other Incentive Funds		
Total Project Cost \$ _____		

APPLICANT CERTIFICATIONS

NOTE: If this project is approved and completed, then IMEA will send an Automated Clearing House (ACH) Payment Authorization Form to the applicant listed on this page. The incentive will be deposited into the account specified on the ACH form.

IF THE REBATE INCENTIVE SHOULD GO TO ANY ENTITY OTHER THAN THE LOCAL APPLICANT OR ITS NATIONAL HEADQUARTERS, then you must include a signed letter of assignment. In that case, upon completion of the project, the designated payee will file the ACH form and receive the incentive. *If the incentive is assigned, then the final customer billing must provide documentation (usually in the form of a bill credit) showing that the city's retail electric customer received the benefit of the incentive.*

Applicant hereby certifies and understands that:

- The project site receives wholesale electric service from IMEA or electric delivery service from an IMEA member municipal electric system.
- All authorizations required to perform the project described in this application have either been obtained or will be obtained no later than 90 days following the project beginning date set forth in the Notice to Proceed Letter issued by the IMEA.
- It has not been barred from contracting with a unit of state or local government as a result of a violation of Section 33E-3 or 33E-4 of the Criminal Code of 1961 (720 ILCS 5/33 E-3 and 5/33 E-4).
- The Illinois Prevailing Wage Act (820 ILCS 130/0.01) may apply and that incentive recipients are responsible for determining if their projects will trigger compliance.
- As of the submittal date, the information provided in its application is accurate, and the individuals signing below are authorized to submit this application.
- Replaced equipment will be disposed of – not placed in storage.
- The applicant, by accepting an incentive for this electric efficiency project, acknowledges and agrees that any rights or abilities arising from kW savings that result from the execution of this project and that may be bid or sold into a Regional Transmission Operator market as energy efficiency or demand response or otherwise shall belong solely to IMEA.

Authorized Official (signature*)

Telephone

Typed/Printed Name

Fax

Title

Date

Authorized Signature Address

Authorized Signature City, Zip (find 9-Digit Zip at <http://zip4.usps.com/zip4/welcome.jsp>)

Authorized Signature E-mail Address

* Please supply Certifications (this page) with original signature via mail, fax or electronically (scanned document)

CALCULATION OF ELIGIBLE INCENTIVE

(To be reported on page 5)

A Two-Step Summary of How to Calculate Your Eligible Incentive

1. Use the tables on pages 8 – 13 to calculate the IMEA Electric Efficiency Incentive Requested on page 5 of this application. Fill out only the Tables (1 – 5) that pertain to your project. (You likely won't use them all.) Refer to the “**Guide to Wattages of Your Existing Equipment**” on pages 19-21 to report the Wattages of existing fixtures.
2. Then use Table 6 (on page 13) to add up your eligible incentive and report that on page 5.

NOTE: The IMEA incentive cap is 75% of total project cost. Other IMEA member cities (Naperville, St. Charles, Mascoutah, and Breese, for example) set their own caps and limits. In all cases, an IMEA member may offer a project any incentive amount between \$0 and the amount for which it is eligible.

ELIGIBILITY OF THE MEASURES:

If you have questions about the eligibility of your proposed measure, refer to the General Eligibility section starting on page 14 – see especially the measure-specific requirements starting on page 15.

The qualifying efficient measures and the assumptions of existing conditions described in this application seek to comport with the Illinois Statewide Technical Reference Manual (TRM) Version 12.0 Volume 2 Commercial and Industrial Measures. Applicants who want a more extensive and authoritative description of qualified measures may access the TRM at: https://icc.illinois.gov/api/web-management/documents/downloads/public/il-trm-12/IL-TRM_Effective_010124_v12.0_Vol_2_C_and_I_09222023_FINAL_clean.pdf.

NEW CONSTRUCTION:

NOTE: Any project taking place at a new construction site is considered a Custom Project (see Table 4, page 11).

For purposes of this application, LED lighting installed as part of major remodeling or re-purposing of existing space may be considered as new construction.

If you have questions, then contact Rodd Whelpley at rwhelpley@imea.org or call at 217-789-4632.

Table 1: Measure = Replace Existing Lights with LED Fixtures (Including Exterior)

NOTE: You may copy this page and use it as many times as you need

Wattage Saved

(1) Baseline Equipment*	(2) Quantity of Old Fixtures	(3) Watts of Each old Fixture*	(4) Type of New Equipment to be installed <small>Write a description of the type of lamps, length of lamps, number of lamps per fixture, and ballast type.</small>	(5) Quantity of New Fixtures to be Installed	(6) Watts of Each New Fixture	(7) New Occ Sensor Installed (Y/N) <small>NOTE: Only Sensors on interior lights are eligible for incentives</small>	(8) Total Watts Saved = $[(2) \times (3)] - [(5) \times (6)]$	Interior (write "I") Or Exterior (write "E") Lights	Exterior Lights Are (check one)
									<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
									<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
									<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
									<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
									<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
Sub Total – Wattage Saved									

*To record descriptions and Wattages of your existing equipment, see pages 19-21 of this application. NOTE: IMEA does not pay incentives for the replacement of CFL or incandescent bulbs with screw-in A19 (or similar) LED bulbs. IMEA does not incentivize de-lamping without replacing existing lighting.

Eligible Incentive

(1) Equipment Type	(2) Incentive per Unit - \$0.80/Watt Reduced and Watts Controlled at \$0.25	(3) Watts Reduced – From Worksheet Above and/or Wattage of the NEW Interior Lights controlled by Sensors	(4) Eligible Incentive (2) X (3)
Interior or Exterior LED Fixtures	\$0.80		
Occupancy Sensors	\$0.25		
Total Eligible Incentive of this Measure – to Table 6 (page 13)			

Table 2: Measure = Replace Exit Lights with Commercial LED Interior Exit Signs

NOTE: You may copy this page and use it as many times as you need

Exit Signs Installed

(1) Existing Equipment	(2) Quantity of Equipment	(3) Wattage of Old Fixture	(4) Type of Equipment to be Installed	(5) Quantity of New Fixture	(6) Wattage of New Fixture	(7) Total Watts Saved = [(2) x (3)] – [(5) x (6)]	(8) Quantity of New Exit Signs Installed
Sub Total Watts Saved							
Total Number of New Equipment Installed							

Eligible Incentive

(1) Equipment Type	(2) Incentive per Unit - \$20 per Sign	(3) Quantity of New LED Signs Installed – From Worksheet Above	(4) Eligible Incentive (2) X (3)
LED Exit Fixtures	\$20		
Total Eligible Incentive of this Measure – to Table 6 (page 13)			

NOTE: IMEA does not pay incentives for the replacement of CFL or incandescent bulbs with screw-in A19 (or similar) LED bulbs. IMEA does not incentivize de-lamping without replacing existing lighting.

Table 3: Measure = Occupancy Sensor Lighting Controls for Interior Lighting Only

Note: This measure applies only to projects for which you add occupancy sensors to already existing interior LEDs. If you are installing new LEDs and the new fixtures will be controlled by occupancy sensors, then indicate that occupancy sensors will be present when you fill out Table 1. To record Wattages of your existing equipment, see pages 19-21 of this application or provide spec sheets.

NOTE: You may copy this page and use it as many times as you need

Watts Controlled

(1) Type of Fixture to be Controlled with Occupancy Sensors	(2) Quantity of Fixtures	(3) Wattage of Fixture	(4) Total Watts Controlled New Occupancy Sensor = (2) x (3)
Write a description of the type of lamps, length of lamps, number of lamps per fixture, and ballast type.			
Sub Total Watts Controlled			

Eligible Incentive

(1) Equipment Type	(2) Incentive per Unit - \$0.25/Watt Controlled	(3) Watts Controlled – From Worksheet Above	(4) Eligible Incentive (2) x (3)
Occupancy Sensor	\$0.25		
Total Eligible Incentive of this Measure– to Table 6 (page 13)			

Table 4: Measure = Custom Lighting Projects (For New Construction and for IMEA-Approved Lighting Measures not Covered in any other Tables of this Application)

NOTE: You may copy this page and use it as many times as you need

Kilowatt Hours Saved Annually

(1) Annual Hours of Operation	(2) Description of Current Lighting* Write a description of the type of lamps, length of lamps, number of lamps per fixture, and ballast type. (See pages 19-21)	(3) Wattage of Current Fixtures*	(4) Quantity of Current Fixtures	(5) Description of New Lighting Write a description of the type of lamps, length of lamps, number of lamps per fixture, and ballast type.	(6) Wattage of New Fixtures	(7) Quantity of New Fixtures	(8) kWh Savings {(3)x(4)/1000} - [(6)x(7)/1000]x(1)	Interior (write "I") Or Exterior (write "E") Lights

*To record descriptions and Wattages of your existing equipment, see pages 19-21 of this application. For new construction "existing equipment" is the lighting required by Code. NOTE: IMEA does not pay incentives for the replacement of CFL or incandescent bulbs with screw-in A19 (or similar) LED bulbs. IMEA does not incentivize de-lamping without replacing existing lighting.

Note: Where an applicant's calculated deemed annual kWh savings differs from the deemed annual kWh savings calculated by IMEA, then the eligible incentive will be based on IMEA's annual kWh savings calculation.

(1) Equipment Type	(2) Incentive per Unit - \$0.08/annual kWh savings	(3) Annual kWh Savings - From Worksheet Above	(4) Eligible Incentive = (2) x (3)
Custom Lighting Project	\$0.08		
Total Eligible Incentive of this Measure- to Table 6 (page 13)			

Table 5: Measure = Replace Existing Exterior Lights with EXTERIOR LED FIXTURES (e.g., STREET LIGHTS) – SPECIAL INCENTIVE FOR MUNICIPAL FACILITIES ONLY

NOTE: You may copy this page and use it as many times as you need

Wattage Saved

(1) Baseline Equipment* <small>Write a description of the type of lamps, length of lamps, number of lamps per fixture, and ballast type. (See pages 19-21)</small>	(2) Quantity of Old Fixtures	(3) Watts of Each old Fixture*	(4) Type of New Equipment to be installed <small>Write a description of the type of lamps, length of lamps, number of lamps per fixture, and ballast type.</small>	(5) Quantity of New Fixtures to be Installed	(6) Watts of Each New Fixture	(7) New Occ Sensor Installed (Y/N) <small>NOTE: Only Sensors on interior lights are eligible for incentives</small>	(8) Total Watts Saved = <small>[(2)x(3)] – [(5)x(6)]</small>	Interior <small>(write “I”)</small> Or Exterior <small>(write “E”)</small> Lights	Exterior Lights Are (check one)
								E	<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
								E	<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
								E	<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
								E	<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
								E	<input type="checkbox"/> Dusk to dawn. <input type="checkbox"/> Off at close of business
Sub Total – Wattage Saved									

*To record descriptions and Wattages of your existing equipment, see pages 19-21 of this application. NOTE: IMEA does not pay incentives for the replacement of CFL or incandescent bulbs with screw-in A19 (or similar) LED bulbs. IMEA does not incentivize de-lamping without replacing existing lighting.

Eligible Incentive

(1) Equipment Type	(2) Incentive per Unit - \$1.25/Watt Reduced	(3) Watts Reduced – From Worksheet Above	(4) Eligible Incentive (2) X (3)
Interior or Exterior LED Fixtures	\$1.25		
Total Eligible Incentive of this Measure – to Table 6 (page 13)			

Table 6: TOTAL ELEGIBLE INCENTIVE FOR THIS APPLICATION

Note: Applicants bring incentives calculated on the tables on pages 8-13 to calculate a total eligible incentive amount on this table.

Measure	Eligible Incentive as Calculated Above
LED Fixtures (from page 8)	
LED Exit Signs Installed (from page 9)	
Occupancy Sensors (from page 10)	
Custom Lighting Project (from page 11)	
Municipal Exterior LED Fixtures (from page 12)	
Total Eligible Incentive for this Application (to page 5)	

GENERAL ELIGIBILITY

This Electric Efficiency program is available to the membership (and members' retail customers) of the Illinois Municipal Electric Agency (IMEA). It is administered and funded through IMEA. FY2024-25 of the program runs from May 1, 2024 through April 30, 2025. Funds are allocated to IMEA members based on a prorated share of their electric purchases from the IMEA. Commercial/ industrial and public-sector facilities served by members can apply for funds using this form from May 1, 2024 until this form is superseded by a subsequent revision or until the program ceases accepting pre-applications on April 15, 2025.

Eligible projects must be located in Illinois and receive electric service from the IMEA or an IMEA member. Projects must produce electricity savings through efficiency improvements in commercial, industrial, or public-sector buildings, equipment, or processes. Ineligible projects include repairs of existing equipment, fuel switching, new electric generation or those projects solely related to demand response or demand control. Project paybacks must occur before the projected end of the equipment life.

Incentive Awards. The total incentive cannot exceed 75 percent of the total project cost. But IMEA cities are free to impose their own incentive caps. IMEA reserves the right to review applications, withhold funding, cancel funding, or negotiate incentive levels. Bid prices must be in line with current market conditions for similar projects/conditions.

Payment Schedule/Reporting and Project Monitoring. The Notice to Proceed (sent upon approval of the pre-application) will specify the conditions of the incentive payment and the payment schedule. Incentive recipients will allow officials from the IMEA member municipality and IMEA officials access to their site to verify project issues. Energy savings numbers will be shared with IMEA (for public release unless specifically noted as confidential or proprietary).

Ownership/Use of Equipment. Equipment must remain in place for at least the lesser of five years or "useful life."

IMEA Not Liable. Incentive recipients shall hold the IMEA member and the IMEA harmless from any and all claims, demands, and actions based upon or arising out of any services performed by the incentive recipient or by its agents or employees.

Indemnity. The incentive recipient agrees to assume all risks of loss and to indemnify and hold the IMEA member and the IMEA, their officers, agents and employees, harmless from and against any and all liabilities, demands, claims, damages, suits, costs, fees, and expenses, incidents thereto, for injuries or death to persons and for loss of, damage to, or destruction of property because of the incentive recipient's negligence, intentional acts or omissions. In the event of any demand or claim, the IMEA may elect to defend any such demand or claim against the IMEA and will be entitled to be paid by the incentive recipient for all costs and damages.

Term and Application. Applications under this program will be accepted on an ongoing basis, subject to funding availability. Applications shall be printed or typed on the current approved forms and/or worksheets. **Applications must be complete and submitted in the correct fashion (see the Pre-Application and Final Application checklists) to receive consideration.**

Subject to a programmatic change enacted by the IMEA Board of Directors, approved projects will have reserved funds until April 30, 2025 or until a project expiration date as noted on a project's Notice to Proceed document or a project deadline imposed by the IMEA member. Final application, reflecting the measures and equipment actually installed, must be submitted within 45 days of project completion. Project documentation, such as copies of dated and itemized invoices for the purchase and installation of the measures and/or product specification sheets, is required.

Applications will be screened by IMEA and the member community. The IMEA member will have final say as to the priority of project funding in its community. Decisions on project priority and funding awarded to any project will be communicated to the IMEA through the IMEA Board Member representing the member community.

Incentive Payments. A final application, reflecting the measures and equipment actually installed, must be submitted within 45 days of project completion. Project documentation, such as copies of dated, itemized invoices for the purchase and installation of the measures and/or product specification sheets, is required. The IMEA will review the final application. Applications that satisfy the review will be processed upon IMEA approval. The incentive will be the amount for which the project qualifies up to the amount that was obligated for the project in the project's Notice to Proceed, subject to funding availability.

MEASURE SPECIFIC REQUIREMENTS – LIGHTING AND OCCUPANCY SENSOR CONTROLS

This application covers specific types of lighting and occupancy sensor electric efficiency measures. Each is described on the following pages. If your proposed lighting measure does not conform to one of the following descriptions, then consider applying using a Custom Projects Application (found at <https://www.imea.org/EE%20Incentives.asp>) or Table 4 of this application.

NOTE: These electric efficiency measures are intended as replacements or retrofits for existing lights. Projects at new construction sites are considered Custom Projects, and applicants should use a Custom Projects Application or Table 4 of this application.

Tables 1 and 5: Measure = LED Fixtures and Bulbs – Including Exterior (TRM 4.5.4)

NOTE: The qualifying efficient measures and the assumptions of existing conditions described in this application seek to comport with the Illinois Statewide Technical Reference Manual (TRM) Version 12.0 Volume 2 Commercial and Industrial Measures section 4.5.4. Applicants who want a more extensive and authoritative description of qualified measures may access the TRM at: https://icc.illinois.gov/api/web-management/documents/downloads/public/il-trm-12/IL-TRM_Effective_010124_v12.0_Vol_2_C_and_I_09222023_FINAL_clean.pdf

Measure Description

This characterization provides savings assumptions for a variety of LED lamps including Decorative (e.g., Globes and Torpedoes), Directional (PAR Lamps, Reflectors, MR16), Mogul (E39, EX39), TLEDs and fixtures including refrigerated case, recessed and outdoor/garage fixtures.

Definition of Efficient Equipment

In order for this characterization to apply, new lamps must be ENERGY STAR in accordance with ENERGY STAR specification v2.1 (effective 1/2/2017) or equivalent to the most recent version of ENERGY STAR specifications or be listed on the Design Lights Consortium Qualifying Product List.

Definition of Baseline Equipment

For the IMEA electric efficiency program, the definition of baseline equipment is the existing equipment. The Wattage of the existing fixtures should be deemed using the Wattage guide on pages 19-21 of this application. If the fixture is not listed on the Wattage guide, then use the nominal wattage of the fixture.

NOTE: IMEA does not pay incentives for the replacement of CFL or incandescent bulbs with screw-in A19 (or similar) LED bulbs.

Incentive

\$0.80 per Watt reduced (Table 1)

\$1.25 per Watt reduced for exterior LED lighting at a municipal facility (Table 5).

Table 2: Measure = Commercial LED Exit Signs (TRM 4.5.5)

NOTE: The qualifying efficient measures and the assumptions of existing conditions described in this application seek to comport with the Illinois Statewide Technical Reference Manual (TRM) Version 12.0 Volume 2 Commercial and Industrial Measures section 4.5.5. Applicants who want a more extensive and authoritative description of qualified measures may access the TRM at: https://icc.illinois.gov/api/web-management/documents/downloads/public/il-trm-12/IL-TRM_Effective_010124_v12.0_Vol_2_C_and_I_09222023_FINAL_clean.pdf

Measure Description

This measure characterizes the savings associated with installing a Light Emitting Diode (LED) exit sign in place of a fluorescent or incandescent exit sign in a commercial building. Light Emitting Diode exit signs have a string of very small, typically red or green, glowing LEDs arranged in a circle or oval. The LEDs may also be arranged in a line on the side, top or bottom of the exit sign. LED exit signs provide the best balance of safety, low maintenance, and very low energy usage compared to other exit sign technologies.

Definition of Efficient Equipment

The efficient equipment is assumed to be an exit sign illuminated by LEDs.

Definition of Baseline Equipment

The baseline equipment is assumed to be a fluorescent or incandescent model.

Incentive

\$20 per LED exit sign

Table 3: Measure = Occupancy Sensory Lighting Controls (TRM 4.5.10)

NOTE: The qualifying efficient measures and the assumptions of existing conditions described in this application seek to comport with the Illinois Statewide Technical Reference Manual (TRM) Version 12.0 Volume 2 Commercial and Industrial Measures section 4.5.10. Applicants who want a more extensive and authoritative description of qualified measures may access the TRM at: https://icc.illinois.gov/api/web-management/documents/downloads/public/il-trm-12/IL-TRM_Effective_010124_v12.0_Vol_2_C_and_I_09222023_FINAL_clean.pdf.

Measure Description

This measure relates to the installation of new occupancy or daylighting sensors and controls on a new or existing lighting system. Lighting control types covered by this measure include wall, ceiling, fixture mounted or integrated controls in addition to Luminaire Level Lighting Controls (LLLCs) or Networked Lighting Controls (NLC) which have additional high-end trim and networking capabilities. Passive infrared, ultrasonic detectors and fixture-mounted sensors or sensors with a combination thereof are eligible. Lighting controls required by state energy codes are not eligible. This must be a new installation with additional control features and may not solely be a replacement of an existing lighting control with the same control features.

Definition of Efficient Equipment

This measure is intended for controlling interior lighting only.

Lighting that is controlled by any of the control strategies characterized in this measure; occupancy, daylighting or dual (occupancy and daylighting) controls with or without high-end trim, and Luminaire-level lighting controls (LLLCs) / Networked Lighting Controls (NLC).

LLLCs or NLCs are defined according to DesignLights Consortium (DLC) Networked Lighting Controls definition, which requires systems to have fixture networking capabilities, individual addressability, occupancy sensing, daylight harvesting, high-end trim, flexible zoning, continuous dimming, scheduling and cybersecurity. The network ability allows building managers to group lights with specific zonal control and scheduling strategies, energy monitoring and high-end trim resulting in a higher savings capability.

A subset of occupancy sensors is those that are programmed as “vacancy” sensors. To qualify as a vacancy sensor, the control must be configured such that manual input is required to turn on the controlled lighting and the control automatically turns the lighting off. Additional savings are achieved compared to standard occupancy sensors because lighting does not automatically turn on and occupants may decide to not turn it on. Note that vacancy sensors are not a viable option for many applications where standard occupancy sensors should be used instead.

Definition of Baseline Equipment

The baseline is assumed to be the existing lighting system that does not include occupancy sensors.

Incentive

\$0.25 per Watt controlled

Table 4: Measure = Custom Lighting Project

Measure Description

This measure relates to the installation of new, more efficient LED lighting to replace less efficient lighting. Applicants should only apply for a custom project when proposed new equipment is not properly described in any of the other lighting measures prescribed by the program.

New construction projects are all considered as custom projects. For purposes of this application, LED lighting installed as part of major remodeling or re-purposing of existing space may be considered as new construction.

NOTE: Custom projects will require a pre-and post-inspection.

Definition of Efficient Equipment

Unless this is a new construction project, applicants should only apply for a custom project when proposed new equipment is not properly described in any of the other lighting measures described by the program.

Definition of Baseline Equipment

For the IMEA program, the baseline is assumed to be the existing lighting as described by the applicant, or – for new construction – the lighting required by Code.

Incentive

\$0.08 per deemed annual kWh saved. Note: Where an applicant's calculated deemed annual kWh savings differs from the deemed annual kWh savings calculated by IMEA, then the eligible incentive will be based on IMEA's annual kWh savings calculation.

A Guide to Wattages of Your Existing Equipment

(Tables developed by ComEd – see <https://www.comed.com/ways-to-save/for-your-business/resource-center/fact-sheets/default-fixture-wattage-reference-table>)

This guide is to be used for determining the Wattage of baseline (existing) fixtures noted in tables 1, 3, 4 and 5 of this application.

T12 Lighting								
Lamps per Fixture	2-Ft 20W Lamps	3-Ft 30W Lamps	4-Ft 34 W U-Lamps	4-Ft 40 W U-Lamps w/ ES Magnetic Ballast (Standard Magnetic Ballasts)	4-Ft 34 W Lamps w/ ES Magnetic Ballast	4-Ft 34 W Lamps w/ Standard Magnetic Ballast	4-Ft 40 W Lamps w/ ES Magnetic Ballast	4-Ft 40 W Lamps w/ Standard Magnetic Ballast
1	28	37	43		42	50	48	57
2	56	74	72	85 (96)	67	80	82	94
3	84	120	115		104	130	122	147
4	112	148			144	160	164	182
6	168				216	236	258	282
8					288			

T12 8-FT								
Lamps per Fixture	60W Lamps w/ES Magnetic Ballast	60W Lamps w/ Standard Magnetic Ballast	75W Lamps w/ES Magnetic Ballast	75W Lamps w/ Standard Magnetic Ballast	HO 95W Lamps w/ES Magnetic Ballast (Standard)	HO 110W Lamps w/ES Magnetic Ballast (Standard)	VHO 185W Lamps w/ Magnetic Ballast	T12 VHO 215W Lamps w/ Magnetic Ballast
1	61	83	91	100	125 (125)	132 (145)	200	230
2	123	138	158	173	207 (227)	237 (257)	390	450
3	210	221		273	319 (352)	369 (392)	590	680
4	246	276	316	346	414 (454)	474 (514)	780	900

A Guide to Wattages of Your Existing Equipment

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This guide is to be used for determining the Wattage of baseline (existing) fixtures noted in tables 1, 2, 4, 5, and 6 of this application.

T8 Lighting								
Lamps per Fixture	2-Ft 17W Lamps	3-Ft 25W Lamps	4-Ft 32W U-Lamps	4-Ft RW 25W Lamps	4-Ft RW 28W Lamps	4-Ft 32W Lamps (High Output)	8-Ft 59W Lamps	8-Ft HO 86W Lamps
1	15	22	28	22	25	32	62	85
2	30	44	56	44	50	59	123	160
3	45	66	84	66	74	88	185	
4	60	88		88	99	114	246	320
5						148		
6		132		132		175 (221)	328	
8						244 (294)		

T5 Lighting				
Lamps per Fixture	2-Ft 14W Lamps	2-Ft 24W HO Lamps	4-Ft 28W Lamps	4-Ft 54W HO Lamps
1	18	29	32	59
2	35	55	64	120
3			96	180
4			128	240
6			192	360
8			256	468

A Guide to Wattages of Your Existing Equipment

(Tables developed by ComEd – see <https://www.comed.com/ways-to-save/for-your-business/resource-center/fact-sheets/default-fixture-wattage-reference-table>.)

This guide is to be used for determining the Wattage of baseline (existing) fixtures noted in tables 1, 2, 4, 5, and 6 of this application.

HID				
Nominal Watts	Pulse Start Metal Halide	Metal Halide	Mercury Vapor	HPS
50		72	74	66
70		95		95
75			93	
100		114	125	138
150		190		188
175	199	215	205	
200	232			250
250	284	295	290	295
310				365
350	398			
400	455	455	455	465
450	506			
700			780	
750	815	850		835
1000	1080	1080	1075	1100
1500		1610		