



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

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

ILLINOIS MUNICIPAL ELECTRIC AGENCY ELECTRIC EFFICIENCY PROGRAM

INCENTIVES FOR IMEA MEMBER COMMERCIAL / INDUSTRIAL and PUBLIC SECTOR ENTITIES

Compressors and Compressed Air Nozzles May 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:

- Completed Pre-Approval Application (found at <http://www.imea.org/EE%20Incentives.asp>). **Applicant must include the cover page and complete pages 3, 5, 6, 8, 9, and 10 – MUCH easier than it sounds.**
- 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.
- Manufacturer spec sheets for new compressors or compressed air nozzles.
- A project budget (not a single Total Project Cost figure reported on page 5). (Vendor bids may constitute a budget.)
- Copy of applicant's electric bill.

To Submit a Pre-Application

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

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 Final Application (found at <http://www.imea.org/EE%20Incentives.asp>). **Applicant must include the cover page and complete pages 4, 5, 6, 8, 9, 10 – MUCH easier than it sounds.**
- 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 retail electric customer received the benefit of the incentive.*
- Manufacturer spec sheets for new equipment.
- Copies of all PAID and itemized invoices and receipts related to the project.
- “Before” and “after” images, if requested by Program Administrator (see requirements listed in your Notice to Proceed).
- Copy of applicant’s electric bill.

To Submit a Final Application

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

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 project may not qualify) 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 \$ _____ (Total from Table 3, page 10. See instructions on page 7.) NOTE: Spec sheets, a project budget and an electric bill must accompany all applications.	Contractor Information (if known) Contact Name: Company: Phone: Email Address:	
Other Incentive Funds \$ _____		
Specify Source of Other Incentive Funds		
Total Project Cost \$ _____ (Cost of qualified measures + installation cost; a budget must accompany the application.)		

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

Authorized Signature E-mail Address

*Electronic signatures not acceptable. Please supply Certifications (this page) with original signature via mail, fax or electronically (scanned document)

CALCULATION OF TOTAL ELIGIBLE INCENTIVE

(To be reported on page 5)

NOTE: These electric efficiency measures are intended as replacements for existing equipment. Measures that do not replace existing equipment are not eligible.

Calculation of your total eligible incentive is an easy, three-step process.

1. To calculate your eligible incentive for **Air Compressors** (≤ 200 hp), fill in **Table 1 on page 8**.

You will need to know the following information to fill out the table:

- Some information about your current compressors.
- The horsepower of each compressor you will install.
- The hours you will operate each compressor.
- You may have to make multiple copies of Table 1, page 8 if you are installing many compressors with varying horse powers and/or hours of operations.

NOTE: Spec sheets for all compressors must accompany this application.

2. To calculate your eligible incentive for **Efficient Compressed Air Nozzles**, fill in **Table 2 on page 9**.

You will need to know the following information to fill out the table:

- The orifice diameter of each nozzle you will install.
- The type of compressor on which each nozzle will be installed.
- The hours you will operate each compressor.
- You may have to make multiple copies of Table 2, page 9 if you are installing many nozzles on various compressor types with varying orifice diameters and varying hours of operation.

NOTE: Spec sheets for all nozzles must accompany this application.

3. To calculate your **total eligible incentive**, fill in **Table 3, page 10**.

- Plug the totals from Tables 1 and 2 into Table 3 where indicated.
- Total Table 3.
- Bring that total amount forward to the line indicated on Page 5.

NOTE: A copy of the applicant's electric bill, a project budget showing the total project cost, and all required spec sheets for new equipment must accompany this application.

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. Applicants who want a more extensive and authoritative description of qualified measures may access the TRM at: https://www.ilsag.info/wp-content/uploads/IL-TRM_Effective_010124_v12.0_Vol_2_C_and_I_09222023_FINAL_clean.pdf

TABLE 1: AIR COMPRESSORS

This measure relates to **the installation of an air compressor with a variable frequency drive, load/no-load controls or variable displacement control**. Baseline compressors choke off the inlet air to modulate the compressor output, which is not efficient. Efficient compressors use a variable speed drive on the motor to match output to the load. Savings are calculated using representative baseline and efficient demand numbers for compressor capacities according to the facility’s load shape, and the number of hours the compressor runs at that capacity. Demand curves are as per DOE data for a Variable Speed compressor versus a Modulating compressor. **This measure applies only to an individual compressor ≤ 200 hp**. Only one compressor per compressed air distribution system is eligible.

TABLE 1 – Compressors

(1) Number of Compressors	(2) Description of <u>Current</u> Compressor	(3) Horse Power of new Compressor <small>NOTE: Spec sheets must accompany the application.</small>	(4) Shift Operation*	(4) Incentive (Column 1 x Column 3 x \$60)
			<input type="checkbox"/> 1-Shift – 8hrs/day, 5 days/week <input type="checkbox"/> 2-Shift – 16hrs/day, 5 days/week <input type="checkbox"/> 3-Shift – 24hrs/day, 5 days/week <input type="checkbox"/> 4-Shift – 24hrs/day, 7 days/week <input type="checkbox"/> Unknown	
			<input type="checkbox"/> 1-Shift – 8hrs/day, 5 days/week <input type="checkbox"/> 2-Shift – 16hrs/day, 5 days/week <input type="checkbox"/> 3-Shift – 24hrs/day, 5 days/week <input type="checkbox"/> 4-Shift – 24hrs/day, 7 days/week <input type="checkbox"/> Unknown	
			<input type="checkbox"/> 1-Shift – 8hrs/day, 5 days/week <input type="checkbox"/> 2-Shift – 16hrs/day, 5 days/week <input type="checkbox"/> 3-Shift – 24hrs/day, 5 days/week <input type="checkbox"/> 4-Shift – 24hrs/day, 7 days/week <input type="checkbox"/> Unknown	
TOTAL Compressors Incentive (To table 3, page 10)				

* This column must be filled out to reflect the existing compressors and the time of use of the compressors. Use a current description and shift operation that best fits the compressor’s use.

TABLE 2: EFFICIENT COMPRESSED AIR NOZZLES

This measure is for the replacement of standard air nozzles with high-efficiency air nozzles used in a compressed air system. High-efficiency air nozzles reduce the amount of air required to blow off parts or for drying. These nozzles utilize the Coandă effect to pull in free air to accomplish tasks with significantly less compressed air. High-efficiency nozzles often replace simple copper tubes. These nozzles have the added benefits of noise reduction and improved safety in systems with greater than 30 psig.

Definition of Efficient Equipment

The high-efficiency air nozzle must meet the following specifications:

1. High-efficiency air nozzle must replace continuous open blow-offs.
2. High-efficiency air nozzle must meet SCFM rating at 80psig less than or equal to:
 - 1/8" nozzle: 11 Max SCFM Rating @ 80psig,
 - 1/4" nozzle: 29 Max SCFM Rating @ 80psig,
 - 5/16" nozzle: 56 Max SCFM Rating @ 80psig,
 - 1/2" nozzle: 140 Max SCFM Rating @ 80psig.
3. Manufacturer's specification sheet of the high-efficiency air nozzle must be provided along with the make and model.

The eligible incentive is \$50 per nozzle.

TABLE 2 – Nozzles

(1) Number of Nozzles <small>NOTE: Spec sheets must accompany the application.</small>	(4) Orifice Diameter*	(3) Compressor Type*	(4) Shift Operation*	(5) Incentive (Column 1 x \$50)
	<input type="checkbox"/> 1/8 inch <input type="checkbox"/> 1/4 inch <input type="checkbox"/> 5/16 inch <input type="checkbox"/> 1/2 inch	<input type="checkbox"/> Reciprocating – On/off Control <input type="checkbox"/> Reciprocating – Load/Unload <input type="checkbox"/> Screw – Load/Unload <input type="checkbox"/> Screw – Inlet Modulation <input type="checkbox"/> Screw – Inlet Modulation w/ Unloading <input type="checkbox"/> Screw – Variable Displacement <input type="checkbox"/> Screw - VFD	<input type="checkbox"/> 1-Shift – 8hrs/day, 5 days/week <input type="checkbox"/> 2-Shift – 16hrs/day, 5 days/week <input type="checkbox"/> 3-Shift – 24hrs/day, 5 days/week <input type="checkbox"/> 4-Shift – 24hrs/day, 7 days/week <input type="checkbox"/> Unknown	
	<input type="checkbox"/> 1/8 inch <input type="checkbox"/> 1/4 inch <input type="checkbox"/> 5/16 inch <input type="checkbox"/> 1/2 inch	<input type="checkbox"/> Reciprocating – On/off Control <input type="checkbox"/> Reciprocating – Load/Unload <input type="checkbox"/> Screw – Load/Unload <input type="checkbox"/> Screw – Inlet Modulation <input type="checkbox"/> Screw – Inlet Modulation w/ Unloading <input type="checkbox"/> Screw – Variable Displacement <input type="checkbox"/> Screw - VFD	<input type="checkbox"/> 1-Shift – 8hrs/day, 5 days/week <input type="checkbox"/> 2-Shift – 16hrs/day, 5 days/week <input type="checkbox"/> 3-Shift – 24hrs/day, 5 days/week <input type="checkbox"/> 4-Shift – 24hrs/day, 7 days/week <input type="checkbox"/> Unknown	
	<input type="checkbox"/> 1/8 inch <input type="checkbox"/> 1/4 inch <input type="checkbox"/> 5/16 inch <input type="checkbox"/> 1/2 inch	<input type="checkbox"/> Reciprocating – On/off Control <input type="checkbox"/> Reciprocating – Load/Unload <input type="checkbox"/> Screw – Load/Unload <input type="checkbox"/> Screw – Inlet Modulation <input type="checkbox"/> Screw – Inlet Modulation w/ Unloading <input type="checkbox"/> Screw – Variable Displacement <input type="checkbox"/> Screw - VFD	<input type="checkbox"/> 1-Shift – 8hrs/day, 5 days/week <input type="checkbox"/> 2-Shift – 16hrs/day, 5 days/week <input type="checkbox"/> 3-Shift – 24hrs/day, 5 days/week <input type="checkbox"/> 4-Shift – 24hrs/day, 7 days/week <input type="checkbox"/> Unknown	
TOTAL Nozzles Incentive (To table 3, page 10)				

* This column must be filled out for each Nozzle type. Use the option that best fits.

TABLE 3: TOTAL ELIGIBLE COMPRESSOR AND NOZZLE INCENTIVES

Note: Applicants bring incentives calculated on Tables 1 and 2 (pages 8 and 9) to calculate a total eligible incentive amount on this table.

Measure	Eligible Incentive – From Table 1 or 2
Total Compressors Incentive (from Table 1, page 8)	
Total Nozzles Incentive (from Table 2, page 9)	
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 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. 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 – COMPRESSORS AND COMPRESSED AIR NOZZLES

This application covers two measures:

1. Compressors \leq 200 horse power.
2. High-efficiency air nozzle used in a compressed air system.

NOTE: These electric efficiency measures are intended as replacements for existing equipment. Measures that do not replace existing equipment are not eligible.

Compressors (TRM 4.7.1)

This measure relates to the installation of an air compressor with a variable frequency drive, load/no-load controls or variable displacement control. Baseline compressors choke off the inlet air to modulate the compressor output, which is not efficient. Efficient compressors use a variable speed drive on the motor to match output to the load. This measure applies only to an individual compressor \leq 200 hp. Only one compressor per compressed air distribution system is eligible.

The eligible incentive is \$60 per horse power.

Efficient Compressed Air Nozzles (TRM 4.7.4)

This measure is for **the replacement of standard air nozzles** with high-efficiency air nozzles used in a compressed air system. High-efficiency air nozzles reduce the amount of air required to blow off parts or for drying. These nozzles utilize the Coandă effect to pull in free air to accomplish tasks with significantly less compressed air. High-efficiency nozzles often replace simple copper tubes. These nozzles have the added benefits of noise reduction and improved safety in systems with greater than 30 psig.

Definition of Efficient Equipment

The high-efficiency air nozzle must meet the following specifications:

1. High-efficiency air nozzle must replace continuous open blow-offs
2. High-efficiency air nozzle must meet SCFM rating at 80psig less than or equal to:
 - 1/8" nozzle: 11 Max SCFM Rating @ 80psig,
 - 1/4" nozzle: 29 Max SCFM Rating @ 80psig,
 - 5/16" nozzle: 56 Max SCFM Rating @ 80psig,
 - 1/2" nozzle: 140 Max SCFM Rating @ 80psig.
3. Manufacturer's specification sheet of the high-efficiency air nozzle must be provided along with the make and model.

Definition of Baseline Equipment

The baseline condition is a standard air nozzle.

The eligible incentive is \$50 per nozzle.