



**ELECTRICAL ADVISORY  
COMMITTEE**  
**Meeting Agenda**  
**October 11, 2023 – 4:00 p.m.**

**ELECTRICAL ADVISORY COMMITTEE**

Glendon Brown, Chairperson  
Tim Wilson, Vice Chairperson  
John Anthony, Committee Member  
Ann Bissell, Committee Member

**ADMINISTRATION**

Gerald Pirkola, Electric Utility Director

City Council Chambers: City Hall – 410 Ludington Street – Room C101 – Escanaba, MI 49829

Regular Meeting

**Wednesday, October 11, 2023, at 4:00pm**

CALL TO ORDER

ROLL CALL

APPROVAL OF MINUTES – August 2, 2023

APPROVAL/ADJUSTMENTS TO THE AGENDA

CONFLICT OF INTEREST DECLARATION

NEW BUSINESS

**1. Discussion – Electrical Advisory Committee Rules of Order.**

**Explanation:** Administration will discuss the Rules of Order for the Electrical Advisory Committee.

**2. Update - Electric Department –General Operations.**

**Explanation:** Electric Utility Director Gerald Pirkola will update the Electrical Advisory Committee and Citizens of Escanaba on the current departmental activities.

**3. Update – Escanaba Solar Project Performance.**

**Explanation:** Administration will update the Electric Advisory Committee and the Citizens of Escanaba on the performance of the Escanaba Solar Project.

**4. Update – 40101d Grant for Preventing Outages and Enhancing Grid Resilience.**

**Explanation:** Administration will update the Electric Advisory Committee and the Citizens of Escanaba on the status of the 40101d grant.

**5. Discussion – Energy Optimization Program**

**Explanation:** Administration will discuss the Energy Optimization Program with the EAC to plan for updates for the 2024 program.

Agenda - October 11, 2023

GENERAL PUBLIC COMMENT  
COMMISSION/STAFF COMMENT AND ANNOUNCEMENTS  
ADJOURNMENT

The City of Escanaba will provide all necessary, reasonable aids and services, such as signers for the hearing impaired and audiotapes of printed materials being considered at the meeting to individuals with disabilities at the meeting/hearing upon five days' notice to the City of Escanaba. Individuals with disabilities requiring auxiliary aids or services should contact the City of Escanaba by writing or calling City Hall at (906) 786-9402.

Respectfully Submitted,

Gerald Pirkola  
Electric Utility Director

**CITY OF ESCANABA  
ELECTRICAL ADVISORY COMMITTEE  
AUGUST 2<sup>ND</sup>, 2023**

A meeting of the Electric Advisory Committee was held August 2<sup>nd</sup>, 2023, at 4:00 PM in Room 401 of Escanaba City Hall, 410 Ludington Street, Escanaba, MI 49829 by Chairperson Glendon Brown.

**PRESENT: Chairperson Glendon Brown, Vice Chairperson Ann Bissell, Committee Members John Mellinger (exiting @ 5:00PM), John Anthony and Tim Wilson**

**ALSO PRESENT:** Electric Utility Director: Gerald Pirkola and City Council Liaison: Ron Beauchamp-exiting @ 6:05PM

**ROLL CALL:** Jill Freeman conducted roll call at 4:05PM

**Approval of Minutes of January 11<sup>th</sup>, 2023**

Mr. Brown asked members if there were any corrections to be made to the minutes. None being heard, asked for a motion to approve.

**Ms. Bissell made a motion to approve the July 11<sup>th</sup>, 2023, minutes and this was seconded by Mr. Mellinger.**

**All Ayes, minutes were approved.**

**Approval/Adjustments to the Agenda**

Mr. Brown asked members if there were any adjustments to the agenda hearing of none the agenda was approved as presented.

**Conflict of Interest Declaration- None**

## **NEW BUSINESS**

### **#1: Update-Electric Department-General Operations**

Mr. Pirkola discussed with members the following topics.

- Energy Optimization Program
- Distribution Upgrade Projects
- Streetlight Poles
- Purple/Blue LED Streetlights
- AMI Update
- National Electric Vehicle Infrastructure Program (NEVI)
- Grants
- Services
- Miso Services
- MIRECS
- Wood Poles

During this discussion Ms. Bissell asked what types of advertising were being implemented to inform customers that the Energy Optimization Program exists. Mr. Pirkola agreed that we need more utilization when it comes to the Energy Optimization Program. An ad is being discussed and will be presented to the board and will be published in the Daily Press and/or U.P. Action. Mr. Pirkola discussed what the rebates cover and where to access the forms.

Jenkins Drive Lighting project is completed. Ms. Bissell asked if the lights on Lake Shore Drive can be shut off in the future for the Fourth of July. Mr. Pirkola stated not at this time. Mr. Anthony inquired if vandalism has decreased since the lights were installed. Mr. Pirkola did not have an answer at this time.

Mr. Wilson questioned costs related to purple/blue lights that are being replaced due to being defective. Mr. Pirkola replied that all the lights are being replaced under warranty. However, the Electric Department is covering the labor costs to replace these lights.

Ms. Bissell asked about the quantity of AMI Meters that are left to be installed and how many we can install daily. Mr. Pirkola responded that our Meter Technician can install approximately 30 per day with a goal of complete installation by the

end of June 2024.

There was discussion about EV's and speculation on where rates would be in the future. Current and potential grants were reviewed, and they are not open as of this time. Two new commercial services were mentioned with one completed and the other in progress.

Mr. Pirkola informed the EAC that the MISO Services Agreement with Great Lakes Utilities was canceled, and a new agreement was made with Manitowoc Public Utilities. He went on to explain that the City of Escanaba Administration has decided to not voluntarily participate in the MIRECS program which will save the City of Escanaba approximately \$50,000 per year. Mr. Wilson questioned whether this matter should have come to the EAC for discussion prior to canceling these services. Mr. Pirkola stated that he will investigate the Electrical Advisory Committee Rules of Procedure.

Mr. Pirkola gave an update on poles tested and changed out. Bucket trucks that are on order should be delivered soon. Transformers and wire along with other necessary materials are fully stocked. However, the lead times remain long. Mr. Wilson asked what our supply of back-up transformers looks like. Mr. Pirkola commented that we have an adequate supply of transformers in stock. Staffing updates were discussed. Mr. Pirkola did say that an offer of employment was made to a lineman. This will bring us to fully staffed.

### **Update- Solar Project Performance**

Mr. Pirkola turned it over to Mr. Brown who provided members with a handout (Attachment NB 2 EAC Solar Project Update through 06-30-2023). He discussed this handout with members along with Figure 1's repeatable pattern. For the Solar Project operations update Mr. Pirkola stated that Travis Keppler was contacted and that if nothing changes Justin will change out the inverter with no huge losses. It could also be more going on other than the inverter. Expansion was brought up and it was discussed that we are 2 years out before we are serious about looking at expansion.

### **West Side Substation**

Mr. Pirkola presented a PowerPoint presentation detailing the substation

improvement project. He presented the reason for the project, proposed upgrades, cost estimates and benefits. Mr. Pirkola answered several questions regarding the project and informed the members that EPS is the preferred engineering group based off Dave Krause's previous work history for the utility with the other substations. Mr. Brown questioned if the contingency was high enough. Tim Wilson motioned to move forward with the project with an increase in the contingency of 10 percent. The motion was seconded by Mr. Anthony and passed unanimously.

### **SCADA**

Mr. Pirkola displayed a PowerPoint presentation describing the SCADA Upgrade. He explained the reason as to why the SCADA system is necessary and explained how the electric utility would benefit from this upgrade. Mr. Pirkola recommends using EPS Engineering with Dave Krause who previously designed the two substations. EPS is proposing to use Ignition Software and build a custom SCADA system based on our needs. Mr. Brown asked if Mr. Pirkola had obtained any references from utilities who have utilized EPS and the Ignition Software. Mr. Pirkola commented that the City of Gladstone has an Ignition Scada System designed by EPS. Gladstone is extremely satisfied with the Ignition Software. The only issue they had was with communications, which is currently being resolved by updating the fiber.

### **GENERAL PUBLIC COMMENT**

None.

**COMMISSION/STAFF COMMENT & ANNOUNCEMENTS:** Next meeting date was tentatively scheduled for October 11<sup>th</sup>, 2023.

### **Adjournment:**

Meeting adjourned 6:40 P.M.

APPROVED:

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Glendon Brown, EAC Chairman

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Gerald Pirkola, Electric Utility Director

# **Rules of Procedure**

**Originator: Escanaba City Council**

**Revision and Adoption Date: February 10, 2016**

**Subject: Electrical Advisory Committee Rules of Procedure**

## **1. AUTHORITY/PURPOSE**

**1.1. General.** The Escanaba City Council created the Electrical Advisory Committee. The Electrical Advisory Committee is charged with providing continuous information and recommendations to the Escanaba City Council on current electric policy trends that could impact the community. Examples of the type of work the Committee will advise on include 1) The community solar gardening project, 2) System reliability including distribution reliability both coming into the community and within the community, 3) Capacity and transmission costs analysis and studies; and 4) Energy policy and needs that are of mutual concern to the committee and City Council. The Committee through the City Administration will be responsible for reporting their findings and recommendations to the City Council.

**1.2. Membership.** The Electrical Advisory Committee shall consist of five (5) City resident members. The members shall be appointed by the Mayor with the concurrence of the Council for three-year terms. Said terms shall be staggered. The Mayor shall also appoint a City Council liaison to the committee.

## **2. GENERAL RULES**

**2.1 Meetings to be Public.** All meetings are subject to the Michigan Open Meetings Act.

**2.2 Quorum.** Three (3) members shall constitute a quorum and necessary for the transaction of business. If a quorum is not present, those in attendance will be named and they shall adjourn to a later time.

**2.3 Journal of Proceedings.** An account of all proceedings shall be kept and shall be entered in a book constituting the official record and deposited to the City Clerk.

**2.4 Right of Floor.** Any member desiring to speak shall be recognized by the Chair and confine remarks to the subject under consideration.

**2.5 City Department Personnel.** The City Electrical Superintendent or his or her designee shall prepare and compile all meeting agenda's and background information needed for any posted meeting. The City Electrical Superintendent will also attend all meetings as the ex-officio of the Committee. The Electrical Superintendent and other City Administrators may make recommendations and shall have the right to take part in all discussions.

**2.6 Election of Officers.** At the regularly scheduled meeting in January, the Electrical Advisory Committee shall hold an election of officers for the positions of Chair, Vice Chair and secretary for the upcoming calendar year.

### **3. MEETINGS**

**3.1. Public Notice of Meetings.** The Electrical Superintendent with the City Clerk shall be responsible for providing the proper notice of all meetings as specified by the State Open Meetings Act.

**3.2. Regular Meetings.** The Electrical Advisory Committee shall meet quarterly on the second Wednesday of January, April, July and October at a time convenient to accommodate the full attendance of the Committee.

**3.3. Special Meetings.** Special meetings may be called by the City Administration in collaboration with the Chair. The call for a special meeting shall specify the day, the hour and the location. At the call of the Chair in collaboration with the City Administration, a joint meeting with the City Council will be posted. The City Clerk shall give public notice as specified by the State Open Meetings Act.

**3.4. Cancelled Meetings.** Any meeting may be cancelled to a later date and time provided that no adjournment shall be for a longer period than until the next scheduled meeting.

### **4. CHAIR AND DUTIES**

**4.1 Chair.** The Chair, if present, shall preside as Chair at all meetings. In the absence of the Chair, the Vice Chair shall preside. In the absence of both the Chair and the Vice Chair, the Committee shall elect a temporary Chair.

**4.2 Call to Order.** The meetings shall be called to order by the Chair or, in their absence, by the Vice Chair. In the absence of both the Chair and the Vice Chair, the meeting shall be called to order by the City Administration for the election of a temporary Chair.

**4.3 Preservation of Order.** The Chair shall preserve order and decorum; prevent attacks on personalities or the impugning of members' motives, and confine members in debate to the question under discussion.

### **5. ORDER OF BUSINESS AND AGENDA**

**5.1 Order of Business.** The general rule as to the order of business in regular meetings shall be as follows:

1. Call to Order
2. Roll Call
3. Approval and/or Correction to Minutes of Previous Meeting
4. Approval/Adjustments to the Agenda
5. Conflict of Interest Declarations
6. Unfinished Business



7. New Business
8. Public Comment
9. Announcements
10. Adjournment

**5.2 Agenda.** The order of business of each meeting shall be contained in the Agenda prepared by the City Administration in collaboration with the Chair. Agenda items must be submitted to the City Administration ten (10) days prior to the meeting. The Agenda shall be a listing by topics of subjects to be considered by the Committee and shall be delivered to members of the Committee at least five (5) days prior to the meeting. Draft meeting minutes shall be available for public review within eight (8) business days after the meeting.

**5.3 Presentation by City Administration.** The Agenda shall provide a time when the City Administration may bring before the Committee any concerns or business that Administration feels should be deliberated upon.

**5.4 Presentation by Members.** The Agenda shall provide a time when the Chair or any member may bring any concerns or business that should be deliberated upon.

**5.5 Voting.** A simply majority vote of those present shall be required to approve a motion, recommendation or finding. All action shall be forwarded to the City Council for review and consideration.

**5.6 Roll Call Votes.** A roll call vote shall be taken at the request of any member or when the Chair cannot determine the results of a voice vote.

**5.7 Minutes.** A majority vote consisting of at least a quorum shall be required to approve minutes.

## **6. CITIZENS' RIGHTS**

**6.1. Addressing the Committee.** Members of the public desiring to address the Committee by oral communications on any agenda item shall first secure the permission of the Chair.

**6.2. Manner of Addressing the Committee.** Each person addressing the Committee shall approach the lectern and must give their name and home address in an audible tone of voice for the record. All remarks shall be addressed to the Committee as a body and not to any member thereof. No person, other than members of the Committee and the person having the floor shall be permitted to enter into any discussion, either directly or through the members. No questions shall be asked except through the Chair.

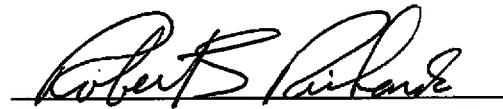
**6.3. Personal and Slanderous Remarks.** Any person making personal, impertinent or slanderous remarks, or who shall become disorderly, while addressing the Committee, will be requested to leave the lectern.

**6.4. Chair Will Refer Citizens' Complaints.** The Chair will refer citizens' complaints to City Administration. City Administration will review all complaints and report their findings to the Electrical Advisory Committee on or before their next regularly scheduled meeting.

**6.5. Written Communications.** Interested parties may address the Committee by written communication in regard to any matter concerning Committee business by addressing their concern to the City Administration. The City Administration shall forward all correspondence to Committee Members. Members shall direct all correspondence to other members and the City Administration. No Committee Member(s) shall represent through oral or written communications to any outside agency, company, individual without consent of the City Administration or the City Council.

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I hereby certify that the foregoing constitutes a true and complete copy of the Electric Advisory Committee Rules of Procedure duly adopted by the City Council of the City of Escanaba, County of Delta, Michigan, at a Special Meeting held on the 10th day of February 2016, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.



Robert S. Richards, CMC/City Clerk

## EAC Meeting – October 11, 2023

### Department Update

- Streetlight Poles
  - Completed four blocks on Ludington St between 10<sup>th</sup> & 14<sup>th</sup> St.
  - Added 5 streetlights on Bonifas Drive in Ludington Park.
- Purple Streetlights – 169 changed out to date.
  
- AMI Update
  - 2150 TuNet meters installed.
  - 4575 Electric Meters and 4280 Water Meters being read.
- National Electric Vehicle Infrastructure Program (NEVI)
  - The first stage is completed, only aware of one customer that made it to the second round.
- Wood Poles – 22 defective poles have been replaced this year
- Westside Substation and SCADA projects approved by Council
  - Westside Substation outage this week to test the transformer

## EAC Solar Project Update Through 9-30-2023

1. Solar generation by year is summarized in the Table below:

Calendar Year	Original Project Generation, kWh	Expansion Project Generation, kWh	Total Generation, kWh
2018	335,775 (1)		335,775
2019	1,405,352		1,405,352
2020	1,488,203	314,517 (2)	1,802,720
2021	1,503,958	599,826	2,103,784
2022	1,452,203	604,822	2,057,025
2023 (thru 9/30)	1,208,472	525,375	1,733,784
<b>TOTAL</b>	7,393,963	2,044,540	9,438,502
	(1) Original Project (1.16 MW DC) generation started 8/24/2018	(2) Expansion Project (0.51 MW DC) generation started 5/21/2020	(3) Total Generation through 9/30/2023

2. Solar generation has avoided \$459,310 in purchased energy costs for the City of Escanaba through 9/30/2023.

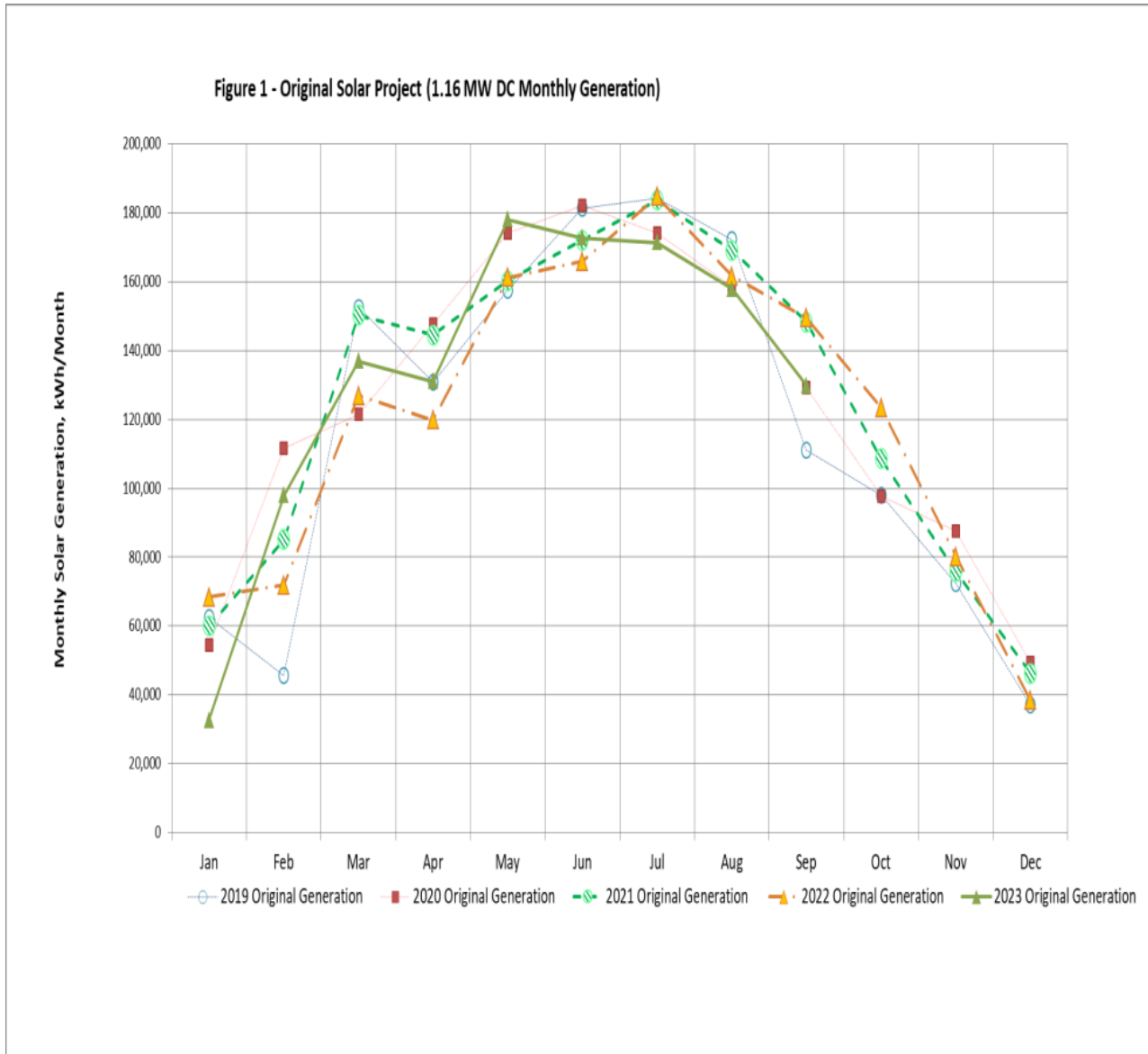
**3. Solar generation has avoided \$117,138 in transmission costs through 7/31/2023** by reducing the City of Escanaba monthly co-incident load during the monthly ATC transmission system peak load. As summarized in the following Table, the monthly ATC system peak load occurs during daylight hours with resulting solar generation during 7 to 8 months of each year.

<b>Calendar Year</b>	<b>Solar Generation During Monthly ATC Peak Load</b>	
	<b>Number of Months</b>	<b>Months</b>
<b>2019</b>	<b>8</b>	<b>Feb, Apr – Oct</b>
<b>2020</b>	<b>8</b>	<b>Mar – Oct</b>
<b>2021</b>	<b>7</b>	<b>Apr – Oct</b>
<b>2022</b>	<b>8</b>	<b>Feb, April - Oct</b>
<b>2023 (thru July)</b>	<b>6</b>	<b>Feb - July</b>

The ATC system monthly peak loads follow a consistent recurring pattern:

- On Non-holiday workdays (Monday – Friday)
- In a narrow time range

4. As shown in Figure 1 below, the monthly solar generation for the Original Project follows a consistent monthly pattern.



## **5. Solar Project operations update:**

- a.** No significant operating problems have been experienced with the Original project equipment in 2022, and 2023 YTD.
  
- b.** The only operating problems experienced in 2022 and 2023 YTD with the Expansion Project relate to the periodic brief shutdowns of Inverter #16. Six new inverters were added in the Expansion versus 15 inverters in the Original project. The #16 inverter shutdowns typically occur during periods of high generation ( i.e., mid-day and early afternoons) and high wind velocities. The #16 Inverter wiring box was replaced in April, 2022. Yaskawa has supplied a replacement the Inverter upper powerhead which arrived in January, 2023. The Inverter powerhead replacement was initially delayed for warmer weather, and was **replaced on 8/15/2023 by Justin Madalinski.**

Unfortunately, the periodic brief shutdowns of the #16 inverter have continued.

Consultation with the GRNE Solar technical staff and Yaskawa is planned, to develop an updated troubleshooting plan.



MICHIGAN DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY

**GRID RESILIENCE GRANT PROGRAM  
SECTION 40101(d), INFRASTRUCTURE INVESTMENT  
AND JOBS ACT**

**REQUEST FOR PROPOSALS**

Issue Date: October 3, 2023

**Response Due: November 17, 2023**

**Michigan Department of Environment, Great Lakes, and Energy  
525 West Allegan Street  
Lansing, Michigan 48933**

EGLE does not discriminate on the basis of race, sex, religion, age, national origin, color, marital status, disability, political beliefs, height, weight, genetic information, or sexual orientation in the administration of any of its programs or activities, and prohibits intimidation and retaliation, as required by applicable laws and regulations.



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# Grid Resilience Grant Program Request for Proposals

## PART I GENERAL INFORMATION

I-A Purpose  
The Michigan Department of Environment, Great Lakes, and Energy (EGLE) Energy Unit is offering matching grants to improve the resilience of the State's electric grid. The State anticipates the grant period will start January 2024 and will end on September 30, 2025.

I-B Program Description  
The Michigan Department of Environment, Great Lakes, and Energy (EGLE) protects Michigan's environment and public health by managing air, water, land, and energy resources, and is focused on addressing climate change, diversity, equity, and inclusion. In fiscal years (FY) 2023 and 2024, EGLE will provide grants to support the resilience of the State's electric grid in an effort to address the aging infrastructure that is vulnerable to the severe weather events that cause millions of Michiganders to lose power. Of paramount concern are issues dealing with the safety and reliability of the electric system, including addressing system failures that led to fatalities due to contact with downed wires. Michigan needs grid-hardening investments, microgrids, and other programs that address grid resilience.

Michigan's low-income customers have limited income to spend on utility bills, and those paying greater than 6 percent of total household income towards utility expenses are experiencing an unjust energy burden ([ACEEE, 2020](#)). Households experiencing disproportionate energy burdens in densely populated areas are also subjected to frequent outages and slow restoration.

I-B. Purpose Applicants must consider the following program objectives, priorities, and tasks in the planning of their proposal.

- i. Program Objectives
  - a. Mitigate Risk of Severe Weather on Critical Facilities through Traditional Grid Hardening Resilience Investments
  - b. Grow Michigan's Skilled Workforce for Grid Resilience Activities
  - c. Supporting Microgrid and other Innovative Non-Wired Alternative (NWA) Projects
- ii. Program Priorities
  - a. Hardening of power lines (not pole management or conductors), facilities, substations, or other systems, including but not limited, flood prevention or recovery, or adaptive protection technologies).
  - b. Vegetation and fuel-load management.
  - c. Relocation of power lines.

- d. Replacing old overhead conductors and underground cables,
  - e. Undergrounding of electrical equipment, especially for critical infrastructure facilities.
  - f. Non-Wired Alternative Projects that focus on using distributive energy resources (DERs), battery storage, and capacity relief, including micro-grids.
- iii. Applicant Tasks
- Applicants are encouraged to design additional tasks that address the expressed needs of the program and the State, but also capitalize on the strengths of the applicant.
- NOTE: Applicants must clearly and succinctly explain how they will accomplish each required task below **during the grant period.***
- a. Complete grid resiliency measures and document project success and challenges for monthly progress update.
  - b. Measure, document, and report project outcomes (e.g., outages, damages, and customer benefitted) for annual reports.
  - c. Ensure proper and best use disposal of materials used or removed through the project work (recycling, electronic waste disposal, etc.).
  - d. Incur project expenditures and submit financial documents (i.e., invoices and proof of payments) before September 30, 2025.
  - e. Assist program staff with EGLE news release on project success.
  - f. Submit closeout documentation before October 31, 2025.

#### I-C Grant Award

A total of \$16,353,094 in funding is expected to be available over the first two years of the Program through this Request for Proposals (RFP). Applicants that win an award will be referred to as sub-grantees. Applicant(s) must provide a complete Budget using the [Approved Budget Form](#) (See Section II-B). Budgets must be itemized and be accompanied by a budget narrative which adequately describes each budget category. This is a reimbursement-based opportunity, costs must be incurred and paid for before they are reimbursed. The grant(s) awarded from this RFP will be subawards of the State's federal award from the U.S. Department of Energy's Preventing Outages and Enhancing the Resilience of the Electric Grid Formula Grant Program under Section 40101(d), Infrastructure Investment and Jobs Act (IIJA), also known as the Bipartisan Infrastructure Law (BIL). This funding supports investments that improve Michigan's electric reliability and resilience due to aging infrastructure while providing individuals with reliable and safe power. As such, the grant will adhere to all federal grant requirements.

Large operators, defined as utilities selling more than 4 Tera watt hours (TWh) of electricity annually, will be eligible for 50 percent of the available funds. Small operators, defined as utilities selling not more than 4 TWh of electricity per year, will be eligible for the remaining 50 percent of the funds.

Large operators must provide a **minimum of 100 percent (1:1) match** of the total requested grant funds. Small operators must provide a **minimum (1/3) match** of the total requested grant funds. The sum of the State share plus the Grantee share of allowable costs will equal the total permissible project cost (see Section IV-A). Applicants may use cash, bond proceeds, tax-exempt leasing, or Michigan SAVES financing for some or all their match, and those that do will receive favorable consideration. If desired, this may result in different match/funding scenarios to increase the percentage of leveraged funds and incentivize larger projects.

The Energy Unit will award funds to applicants that agree to the terms set forth in this RFP and the [Grant Agreement](#). The Energy Unit, an entity within the Department of Environment, Great Lakes, and Energy (EGLE), will be the primary contact with selected applicants to negotiate the scope of work, budget, reporting periods, report format, and reporting content. EGLE is required to submit quarterly and annual reports to the DOE for the requirements shown in the [Quarterly Process Report and the Annual Program Metrics and Impact Report](#). All other requirements are non-negotiable. Funds must be expended by September 30, 2025.

#### I-D Eligibility Criteria

Any electricity providers physically located in Michigan are eligible to apply. For purposes of this RFP, the following types of entities are eligible to apply:

- Investor-Owned Utilities,
- Cooperative Utilities, or
- Municipal Utilities.

In 2023 and 2024, other eligible entities (OEE) can apply if partnered with a Michigan utility that is leading the proposal. OEE includes transmission owners or operators, electricity storage operators, fuel suppliers, and other relevant entities as determined by the Secretary of Energy.

Cohorts of eligible parties may submit a joint proposal. See Attachment 2 for details. Parties that are awarded a grant will be referred to as sub-grantees.

Eligible projects include:

1. Hardening of power lines (pole or conductor management), facilities, substations, or other systems, including but not limited to flood prevention or recovery or adaptive protection technologies.
2. Vegetation and fuel-load management.
3. Relocation of power lines where improving the reliability and resiliency of the grid is the primary motivation.
4. Replacing old overhead conductors and underground cables.
5. Undergrounding of electrical equipment, especially for critical infrastructure facilities.
6. Activities capable of growing Michigan's skilled workforce for grid

resilience.

7. Non-wires alternatives that use distributive energy resources (DERs), battery storage, and capacity relief, including microgrids.

Impacted facilities must be occupied and have long range plans of continued use. All eligible applicants must provide a Unique Entity Identifier (UEI) number from the System for Award Management (SAM.gov) website. **UEI registration can take up to 10 business days to become active.**

#### I-E Ineligible Projects

For purposes of this RFP, the following types of projects are not eligible:

1. Projects deemed illegal under the law or inappropriate under contract management standards.
2. Projects considered scientifically unsound or significantly increase risks to workers and/or the public.
3. Projects that will not be conducted in Michigan.
4. Projects involving demonstration of non-commercially available equipment and technologies.
5. Projects that cannot be shared with or have restricted transferability to other entities in Michigan.
6. Projects requiring an environmental assessment study under the [National Environmental Policy Act \(NEPA\) of 1969](#) (Title 42 of the United States Code (U.S.C.), Section 4321, *et seq.*), unless the applicant can show proof of the U.S. Department of Energy's approval of the project.
7. Projects that involve construction of a new electric generating facility or large-scale battery-storage facility that is not used for enhancing system adaptive capacity during disruptive events.
8. Projects with the main goal of cybersecurity.
9. Projects not directed to or lacking significant increase in grid resiliency and other energy benefits.

#### I-F Issuing Office and Point of Contact

This RFP has been issued by EGLE's Energy Unit. Questions that arise as a result of this RFP must be submitted to the Energy Unit by *email only*. All questions must be submitted on or before 5:00 p.m. (ET), October 17, 2023. All questions regarding this solicitation should be directed to:

Lauren Magirl  
[MagirlL@Michigan.gov](mailto:MagirlL@Michigan.gov)

#### I-G Changes to the RFP and Responses to Questions

Written answers to questions, changes, and/or clarifications will be posted on the [program webpage](#) by October 20, 2023.

I-H Proposals

To be considered, applicants must submit a complete response to this RFP, addressing the Program Objectives, Program Priorities, and Applicant Tasks listed in the Program Description I-B, and using the format and attachments provided in Part II.

Applicants have the option to use a pre-reviewed project. The projects have been reviewed for the technical merit and meet the goal of BIL 40101(d). They also meet the NEPA categorical exclusions. A pre-reviewed project should reduce administrative burdens for the applicants by eliminating the need for the applicant to describe the assets that need infrastructure investments. The use of one of the following projects does not pre-approve or grantee approval of a proposal:

1. Dead and Dangerous Tree Removal
2. Right-of-Way Enhancement
3. Aging Infrastructure Replacement such as Poles and Conductors
4. Overcurrent Protective such as Three-phase Reclosers and Fuses on tap lines
5. Overvoltage Protection

I-I Response Date

**Proposals must be submitted by 5:00 p.m. on November 17, 2023.**

## **PART II INFORMATION REQUIRED FROM APPLICANTS**

**NOTE: The following information must be submitted by all applicants to be considered. *Failure to attach/include the requested information will result in the rejection of the proposal.***

1. Application (see link and instructions below)
2. Approved Budget Form (see link and instructions below)
3. If an indirect cost rate is used in the budget, the Certificate of Indirect Costs (included in the Proposal Worksheet) must be selected, signed, and submitted.
4. Additional Attachments:
  - a. Detailed Timeline – timeline for successfully completing each required task, including key sub-tasks and critical decision points to be undertaken during the grant.
  - b. Applicant Organizational Chart – organizational chart detailing the management structure of the applicant organization, with a secondary chart detailing the team responsible for the project, including subcontractors.
  - c. Most recent copy of the A-133 or outside audit OR the most recent financial statements (balance sheet and income statement). Applicants that receive cumulative federal funding of over \$750,000, or that receive a single state award over \$500,000 are required to provide an A-133 single

audit.

5. If Applicable:
  - a. Charitable organizations and professional fundraisers (unless exempt) must complete Michigan Charitable Trust Registration  
For more information, please visit the [Attorney General's website](#).
  - b. Parent Organizational Chart – organizational chart detailing the management hierarchy of the Parent Organization, and its relationship to the applicant organization.
  - c. Partner Organizational Chart – organizational chart detailing the management hierarchy of the Partner Organization, and its relationship to the applicant organization. Attach an organizational chart for each Partner Organization.
  - d. Letter(s) of support / commitment from Partner Organization(s).
  - e. State Historic Preservation Office (SHPO) Section 106 Review Form (see link and instructions below)
  - f. National Environmental Policy Act (NEPA) Form (see link and instructions below).

**Please see instructions below for additional information:**

II-A Online Application

Complete the [Online Application](#). Questions marked with an asterisk (\*) require a response. Applicable materials listed in Section II must be uploaded within the Online Application. Applicants can submit their completed Online Application by clicking the “Submit” button on the bottom of the application page. **Applicants can preview all the [Application Questions](#) prior to starting an Online Application.**

II-B Approved Budget Form

1. Applicant(s) *must* use the [Approved Budget Form](#) All budget categories must be addressed. Please use “N/A” or “None” to indicate there are no costs associated with a given budget category.
2. The following costs are **disallowed**: sick pay, holiday pay, paid vacation time, payroll taxes, vehicles, computers, real property (e.g., land and buildings), parking, tuition reimbursement/remission, vehicle allowance, car rental, subscriptions, dues, memberships, and repair of buildings and structures.
3. Large operators must provide a **minimum of 100 percent (1:1) match** of the total requested grant funds. Small operators must provide a **minimum (1/3) match** of the total requested grant funds. The sum of the State share plus the recipient share will equal the total allowable project cost.
4. **Fringe Benefits** –Applicant(s) will be required to justify the fringe rates given in their proposed budget prior to an agreement being finalized. If fringe cost rates are approved by a federal agency, identify the agency and date of latest rate agreement, and include a copy of the rate agreement. If fringe cost rates are not approved by a federal agency, explain how total fringe benefit costs were calculated. Your calculations should identify all rates used and the base amount they were applied to. Please include how the base was derived, and

- a total for each.
5. **Equipment** –All Equipment expenses must be justified in your proposal. If the equipment is being proposed as cost match and was previously acquired, provide the value of its contribution to the project and a rationale for the estimated value shown. If it is new equipment that will retain a useful life upon completion of the project, provide a rationale for the estimated value shown. Also, indicate whether the equipment is being used for other projects or is 100 percent dedicated to this project. Equipment purchases over \$5,000 will require additional documentation, such as Lien or Uniform Commercial Code Filing, and the State of Michigan listed as the lienholder/creditor for 5 years prior to reimbursement.
  6. **Travel** – Applicants may follow their own internal travel policy, which must be submitted to the issuing office contact prior to entering into a Grant Agreement. If an applicant does not have an internal travel policy, they must use the most recent State of Michigan Travel Rates posted by the [Michigan Department of Technology, Management & Budget](#).
  7. **Indirect Rate** – Provide the indirect rate (up to 10 percent maximum) used by applicant's organization as a percentage of **total direct cost**. If the applicant's indirect cost rate has been approved by a federal agency, identify the agency, date of the latest rate agreement, and submit a copy of the agreement with the application.  
**Note: Applicant(s) will be required to justify their indirect rate given in their budget if it exceeds 10 percent.** All applicants including an indirect rate must sign and submit the [Certificate of Indirect Costs](#).
  8. **Incurring Costs** – The State is not liable for any costs incurred by an applicant prior to issuance of a [Grant Agreement](#). The following documentation will be required by selected applicants to receive reimbursement:
    - a. Receipt/Invoice or payroll summary for cost incurred.
    - b. Proof of payment via bank statement, ACH payment, or scanned cashed check.

**Note:** *All match types (cash, in-kind, third-party) will be held to the same documentation requirements.*

#### **Additional Budget Information:**

1. In the event of a partially funded proposal, selected applicant(s) will be required to submit a revised proposal before entering into a Grant Agreement. The proportion of direct costs to indirect costs will remain the same as in their original request. *New line items to the revised budget are not allowed.*
2. Selected applicant(s) assumes the responsibility for ensuring the grant project is performed within the established timeline.
3. If the entire State share of the grant award is expended, the entire in-kind and/or matched funds must be spent and supported by source documentation. If the entire State share of the grant award is not spent, the in-kind and/or matched funds may be reduced proportionately by the percentage of the grant award not spent.



4. Selected applicant(s) may not commingle award funds with current or future awards received from the U.S. DOE. Financial assistance from each funding source must be managed, reported, and accounted for separately from all other funding sources.
5. Should selected applicant(s) cease business operations or dissolve the program established under the grant agreement, existing capital must be returned to the State of Michigan.

II-C [Certificate of Indirect Costs](#)

If an indirect cost is included in the proposed budget, it must be certified using the Certificate of Indirect Costs. The certificate must be signed on behalf of the organization by an individual at a level no lower than vice president or chief financial officer of the organization that submits the proposal. This certification is included within the proposal worksheet and must be checked to certify.

## PART III SELECTION CRITERIA

All proposals received shall be subject to an evaluation by EGLE’s Energy Unit. The evaluation will be conducted in a manner appropriate to select the applicant(s) for the purpose of entering into a [Grant Agreement](#) to perform the proposed project within the established timeline. Initial screening of the applications will be conducted to ensure applicants and projects meet all eligibility requirements.

*Proposals failing to meet the eligibility requirements described in Sections I-C, that do not comply with the requirements of the Grant Agreement, and/or which are incomplete, **will be rejected automatically.*** Proposals meeting the eligibility requirements will be evaluated according to the scoring criteria and weighting factors below.

III-A Scoring of Proposals

**Total maximum points are 100.** (Proposals could receive 105 points, if the proposal receives full points in all categories plus full bonus points.)

Project Scope & Objectives (20 Points)

Proposals will be evaluated based on the scope of work, its merit, and the quality of information submitted. The proposal problem statement, goals and objectives, and timeline are of special interest.

Project Feasibility (10 Points)

Proposals will be evaluated on their likelihood of success and feasibility to achieve the purpose, outcomes, and tasks required by this RFP within the established timeframe. Projects must be completed within two years.

### Project Impact

(35 Points)

Proposals will be evaluated on their anticipated short and long-term impacts. The anticipated short and long-term effects are measurable, appropriate, and reasonable. Applicants should explain how 40101(d) funding will improve the reliability of the grid and/or the resiliency of the grid as specifically and clearly as possible. Favorable consideration is granted to projects that generate the greatest project impact.

Project impact is measured by both resiliency and reliability impacts such as:

- Reduction in the frequency of power outages.
- Reduction in the time it takes for customers to have power restored when outages occur.
- Number of customers directly benefiting from the investment project.
- Number and type of community(s) benefiting from an investment in critical grid infrastructure.
- Reduction in the average energy burden (for communities above 6 percent).
- Magnitude of infrastructure improvement for poor and failing systems. Poor and failing systems may be segments of the grid that are performing well below the mean in terms of CAIDI, SAIDI, SAIFI, or other important measures of reliability and resiliency.
- Number of newly trained or reskilled workers capable of implementing grid resilience projects.
- Number of grid resilience-related businesses that develop the capacity to install, operate, and/or maintain grid resilience projects and are qualified in any of the categories recognized by the Small Business Administration.
- Availability of emergency backup power to those affected by an outage (for example, a community hub, mobile generators)
- Improved communication between utility, local government, and residents, especially on safety and access to community resources
- Improved Outage Mapping & Data (including greater granularity and temporality) and that allows for greater customer understanding.

Applications that maximize the impact of 40101(d) funding on one or more of these project impacts will receive favorable consideration. In general, applicants should also seek to distribute these project impacts towards portions of the grid that are performing poorly relative to the rest of the grid in terms of reliability and/or resiliency.

### Program Priorities

(15 Points)

Proposals will be evaluated on the incorporation of the program priorities, Grid Resiliency (see Part I, Section I-B).

### Diversity Equity and Inclusion

(15 Points)

Proposals will be evaluated on whether the applicants' past and future efforts to reach historically underserved populations, racial minorities, and women, including strategies to create connectivity and conditions for growth where they may not exist,

such as in rural or underserved communities. It is expected that the eligible entity would engage impacted customers, such as the residents, workers, and community leaders, early and throughout the proposed grid investment process.

Environmental Justice (5 Points)

Proposals will be evaluated on whether the proposed program takes place in or benefits an Environmental Justice Community based on the [Climate and Economic Justice Screening Tool](#).

Bonus Points (5 Points)

Additional points will be given if the proposal exceeds the required match.

III-B Project Clarifications/Revisions

During the proposal review process, applicants may be contacted for clarification and for the purpose of negotiating changes in project activities, timetables, and budgeted costs. The Issuing Office reserves the right to award funds for an amount other than that requested and/or request changes to, or clarification of, the proposed project.

III-C Rejection of Proposals

EGLE's Energy Unit reserves the right to reject any and all proposals received as a result of this RFP or to negotiate separately with any source whatsoever in any manner necessary to serve the best interest of the State and the Energy Unit. The Energy Unit will not pay for the information solicited or obtained as a result of a consultant/vendor's response to any RFP.

III-D Acceptance of Proposal Content

The contents of this RFP and the proposal of the selected applicant become grant obligations if a grant award ensues. Failure of the selected applicant to accept these obligations shall result in cancellation of the award.

The successful applicant(s) will be required to accept all terms and enter into a Grant Agreement with the State within 45 calendar days of being notified of funding availability. The Agreement consists of standard contract language, applicant's work plan, timetable, and budget information, a compensation clause that adheres to guidelines in this solicitation, and terms and conditions that outline additional requirements.

## PART IV ADDITIONAL INFORMATION

### IV-A Acceptable Match Types

Applicants may use cash, bond proceeds, tax-exempt leasing and/or Michigan SAVES financing for some or all of their match, and those that do will receive favorable consideration. Match may be categorized as in-kind or monetary from a third-party, or in-kind or monetary from the applicant organization. Match is subject to the same backup documentation as expenses incurred.

### IV-B SIGMA Vendor Registration

All selected applicants must be registered as a vendor of the State of Michigan on the SIGMA Vendor Self Services (VSS) before entering into a Grant Agreement. If you are an existing vendor and have an account in [Sigma VSS](#), please verify that all your account information is correct. If not, please use the [Sigma VSS](#) to register. This website is for the exclusive use of the vendors and individuals' intent on doing business with the State of Michigan and allows you to be paid in the event that you are awarded a contract. **Your registration may take up to two weeks to be processed.**

### IV-C News Releases

News releases (including promotional literature and commercial advertisements) pertaining to the Grant or project to which it relates must not be made without prior written State approval, and then only in accordance with the explicit written instructions of the State.

### IV-D Disclosure of Proposal Contents

All information in a bidder's proposal and any Grant resulting from this RFP is subject to the provisions of the Freedom of Information Act, 1976 PA 442, as amended, MCL 15.231, *et seq.*

### IV-E Copyrighted Materials

See Section VI of the [Grant Agreement](#) for a summary of intellectual property provisions.

### IV-F Prime Applicant Responsibilities

The selected applicant will be required to assume responsibility for all grant activities offered in the proposal whether or not that applicant performs them. Further, the State will consider the selected applicant (Recipient) to be the sole point of contact with regard to grant matters, including but not limited to payment of any and all costs resulting from the anticipated grant. If any part of the work is to be subcontracted, the Recipient must notify their Grant Manager and identify the subcontractor(s), including firm name and address, contact person, complete description of work to be subcontracted, descriptive information concerning subcontractor's organizational abilities, Federal Employer Identification Number (FEIN), UEI number, and/or state license number. The State reserves the right to

approve subcontractors for the project and to require the Recipient to replace subcontractors found to be unacceptable. The Recipient is totally responsible for adherence by the subcontractor to all provisions of the Grant. For additional information, see Section VII and VIII of the [Grant Agreement](#) for a summary of delegation provisions.

IV-G Partner Responsibilities

Organizations partnering with selected applicant(s) must comply with the requirements of the solicitation and will be held to the same standards as prime applicants.

IV-H State Historic Preservation Office (SHPO) Section 106 Review Form

If the applicant is conducting ground-disturbing activity or work on a building(s) that is/are at least fifty years of age or older, applicant must complete in full the State Historic Preservation Office Application for Section 106 Review. The review process must be completed prior to the expenditure of federal funds. No project that results in an adverse effect to a historic property will be considered for funding. Projects may be modified to avoid adverse effects. **Submit this form with your proposal. EGLE's Energy Unit will review and forward to the State Historic Preservation Office, as necessary.**

IV-I National Environmental Policy Act (NEPA) Form

All activities undertaken with grant funds must comply with the [National Environmental Policy Act \(NEPA\) of 1969](#) (42 U.S.C., Section 4321, *et seq.*). It is the Recipient's responsibility to acquire all necessary environmental permits to operate in the State of Michigan. **Submit this form with your proposal for review.** Pre-reviewed projects are exempt from NEPA, pursuant to the [NEPA Categorical Exclusions](#).

IV-J Davis-Bacon Act Requirements

The Davis-Bacon Act requires that all laborers and mechanics that are non-government employees receive prevailing wages. This requires that the Department of Labor wage rate report is included with agreements that are affected by the Davis-Bacon Act requirement. If applicable, all positions that are related to an agreement subject to the Davis-Bacon Act must be classified accordingly. Weekly time reporting requirements and necessary forms are listed in the Grant Agreement, Addendum to Part II. Detailed information about the Davis Bacon Act can be found at the [U.S. Department of Labor website on Federal Contracts-Working Conditions](#).

IV-K Build America, Buy America

The Build America Buy America Act, enacted as part of the Infrastructure Investment and Jobs Act on November 15, 2021, established a domestic content procurement preference for all Federal financial assistance obligated for infrastructure projects after May 14, 2022. The domestic content procurement preference requires that all iron, steel, manufactured products, and construction

materials used in covered infrastructure projects are produced in the United States.

The U.S. Department of Commerce is working with the Made in America Office to coordinate compliance with these procurement requirements.

## **PART V ATTACHMENTS**

### V-A Attachment 1: Pre-reviewed Projects

Pre-reviewed projects should reduce administrative burdens for the applicants. The use of one of these projects does not pre-approve or grantee approval of a proposal. This concept is a result of discussions with utilities. The following pre-reviewed projects have technical merit and meet the goal of BIL 40101(d):

- Dead and Dangerous Tree Removal
- Right-of-Way Enhancement
- Aging Infrastructure Replacement such as Poles and Conductors
- Overcurrent Protective such as Three-phase Reclosers and Fuses on tap lines
- Overvoltage Protection

The utility is responsible for accurate costs and meeting federal requirements such as Build America, Buy America. Utilities and their trade associations will need to provide their cost estimates, and conditions where the costs apply. Utility provided estimates will be confirmed by the Energy Unit within the context of the recommendations below.

These pre-reviewed projects are a subset of all eligible projects. For applicant convenience, names of US manufacturers are provided. This does not represent any type of endorsement of manufacturers, only a reminder that applicants must seek products manufactured in the US.

#### 1. Dead and Dangerous Tree Removal

Climate change, insect damage, diseased trees, dead trees adjacent to utility rights-of-way or even outside the right-of-way threaten the reliability and resiliency of a grid. Tree removal may be prioritized based on the first zone of protection (substation to first downline protective device) or by feeder with significant tree challenges.

Tree removal costs vary significantly. Cost depends on factors like: the size of the tree, vehicle access for tree removal, wood removal and often the services of an arborist to identify problem trees and to interface with customers to obtain permission to remove trees.

#### 2. Right-of-Way Enhancement

Many utilities use a method-based approach on outage frequency to determine tree trimming timing and requirements. This method often causes challenges in

restoration from significant storms. Some utilities are working to enhance vegetation management by extending vegetation trimming to the limits of the utility easement/right-of-way. The cost of trimming the full easement width often adds incremental cost to annual vegetation management. This is where 40101(d) may contribute by providing incremental funding for enhanced trimming from previously employed trimming methods.

3. Aging Infrastructure Replacement: Poles

Established neighborhoods with no load growth and no changes to existing roadway infrastructure can have reliability risk from aging infrastructure. Pole inspections can identify poles for replacement based a defined priority. This pre-reviewed project would accelerate pole replacements and/or allow utilities to become current with pole replacements.

Pole replacement costs vary greatly based on size and class, single-phase or three-phase, accessibility, and many other factors. The budget herein is simply a based cost for pole replacements which can offset the total cost for replacement.

4. Aging Infrastructure Replacement: Conductors

Many power lines in rural America were built in the 1950s and 1960s with smaller copper conductors. These conductors have provided good service, but after 50 to 70 years, many copper conductors have become pitted and brittle making them susceptible to failure due to wind, cold temperatures, and ice loading. Priority for replacement can be set by load or by geographic region.

This pre-reviewed project provides for the replacement of small copper conductors 8A, 6A, and 4Cu with 2ACSR or larger conductors. The focus of this pre-reviewed project measure is on conductor replacement rather than pole replacements, even though pole replacements are necessary for replacing aging conductors. These come in single-phase and three-phase options. Note that the pole line is the measurement between poles, not the length of the replaced conductors.

5. Overcurrent Protective: Three-phase Recloser

Trends in the industry are to add three-phase reclosers on circuits such that the number of customers between three-phase overcurrent protective devices is 500 customers or less. Three-phase overcurrent protective devices come with many options, including communication to SCADA systems. Reclosers are easily installed on poles or in substations.

6. Overcurrent Protective: Fuses on tap lines

Adding a tap of fuses helps to sectionalize a feeder such that the faults are isolated to the smallest portion of the system. This pre-reviewed project is for the cost to add fuses to taps but does not explicitly include fuse/arrester combos. Fuses come in various capacities, for example, 200 Amp Fuse on fiberglass standoff.

## 7. Overvoltage Protection

Overvoltage protection combines designing and building distribution structures with a sufficient basic impulse level or Critical Flash Over level and a considerable number of lightning arresters to channel direct and indirect lightning surges to the electrical ground. This spacing of arresters is based on soil conductivity and ground flash density.

This pre-reviewed project would provide for replacing older gapped arresters and adding additional arresters to achieve desired flashover levels per 100 miles per year.

## V-B Attachment 2: Joint Proposals

There is the potential for administrative efficiencies and economies of scale when utilities pool together and submit a joint application. Joint applications can be led by a utility, a trade association, or other service providers. For the purposes of this RFP, they will be referred to as aggregators.

The following principles apply:

- Aggregators will complete the full application on behalf of participating utilities.
- Each utility that participates in the joint application must submit their respective qualifications, organizational information, and pre-reviewed projects to the aggregator. The aggregator submits a single, full proposal.
- Utility requests will be evaluated individually. This means that the evaluation criteria apply to each utility.
- Utilities not selected for funding will not affect other utilities in the same joint application.
- The grant agreement will be between EGLE and the selected utility.





**CITY OF ESCANABA**  
**Residential Energy Optimization Program**  
**2023 Incentive Application**

**Ready to start your project? Follow these 3 simple steps.**

**Step #1: Make Sure Your Project is Eligible**

Check the specifications listed in this application and/or speak with the City of Escanaba Electric Department by calling 906-786-0061 to make sure your project is eligible for Energy Optimization incentives.

All equipment must be new and installed or operated in a residential dwelling whose electric service is provided by the City of Escanaba.

**Step #2: Complete Your Project**

Install your new, energy-efficient equipment following the specifications listed in this application.

**Step #3: Apply for Your Cash Incentive**

Once your project is complete, it's time to request your cash incentive. You must submit:

1. A completed and signed application.
2. Itemized invoice(s) for contractor-installed equipment, including installation date, costs for equipment installed and installation labor.
3. For ENERGY STAR® products/equipment, the ENERGY STAR® logo and a copy of invoice/receipt.
4. For HVAC or Water Heating, the AHRI Certificate (required to verify efficiency).
5. For all other items just send in a copy of the invoice/receipt.
6. Your completed application and the required materials listed above must be received within 60 days of purchase and/or installation.
7. To submit your documents, either mail, email or hand deliver to:

**City of Escanaba Utility Office**  
**410 Ludington Street**  
**Escanaba, MI 49829**

**OR**

**Email to:**  
**cityelectric@escanaba.org**

**Have Questions?**

**Call 906-786-0061**



# 2023 Energy Optimization Residential Program

## Customer Information

### Customer Information

Customer Name	Phone	Email	
Mailing Address	City	State	ZIP Code
Installation Address (If Different than Above)	City	State	ZIP Code
City of Escanaba Electric Account Number	Fuel type for space heating: <input type="checkbox"/> Natural Gas <input type="checkbox"/> Electric <input type="checkbox"/> LP(Propane) <input type="checkbox"/> Oil		
Name of Installing Contractor for HVAC and EV	Contractor Name		
Address	City	State	ZIP Code
Contractor Phone	Contractor Email		
<b>Certifications and Signature</b> I hereby certify that: The information contained in this application is accurate and complete. All rules of this incentive program have been followed. 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 City of Escanaba representative. I understand that I am not allowed to receive more than one incentive from this program for any one piece of equipment. I hereby agree to indemnify, hold harmless and release the City of Escanaba 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. I understand that my submittal of the requested information is for the sole purpose of my program participation. I further understand that this information will be treated as confidential to the extent permitted by law.			
Customer Signature	Print Name	Date Submitted	

### Complete section below only if rebate will be paid to the Contractor or Landlord

Payee Legal Name (as shown on income tax return):	Payee Business Name (if different than payee legal name):		
Payee Legal Address:	City:	State:	ZIP:
Mail Check to: <input type="checkbox"/> Payee Legal Address <input type="checkbox"/> Job Site Address <input type="checkbox"/> Alternate Address (complete below):			
Alternate Pay Address (optional):	City:	State:	ZIP:
Payee Federal Tax Classification (check ONE only): <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor/Individual <input type="checkbox"/> LLC <input type="checkbox"/> Other tax exempt organization or gov't agency			
Payee Taxpayer Identification Number (TIN) (Must match payee legal name above): FEIN #: _____ - _____			
Payee Signature:	Print Name:	Title:	Date:

### For Internal Use Only

Date Received	Post Inspection	Incentive Approval	Date Approval
	Post Inspection Required? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	



# 2023 Energy Optimization Residential Program Equipment Specifications & Documentation Requirements

## Incentive Worksheet

Lighting	Qualifications/ Limits	Quantity	Incentive	Total Incentive
LED Bulbs	ENERGY STAR, Limit 12		\$2.00	
LED Interior or Exterior Fixture	ENERGY STAR, Limit 12		\$10.00	
LED Tube Replacement	Replace Fluorescent Tubes, Limit 12		\$5.00	

Appliances	Qualifications/ Limits	Quantity	Incentive	Total Incentive
Refrigerator	ENERGY STAR, Limit 1		\$50.00	
Freezer, Chest or Upright	ENERGY STAR, Limit 1		\$50.00	
Portable Dehumidifier	ENERGY STAR, Limit 2		\$30.00	
Whole Home Dehumidifier	ENERGY STAR, Limit 1		\$100.00	
Room Air Conditioner	ENERGY STAR, Limit 4		\$30.00	
Room Air Purifier	ENERGY STAR, Limit 2		\$30.00	
TV	ENERGY STAR, Limit 2		\$40.00	
Induction Stove	ENERGY STAR, Limit 1		\$100.00	
Dish Washer	ENERGY STAR, Limit 1		\$40.00	
Clothes Washer	ENERGY STAR, Limit 1		\$50.00	
Electric Clothes Dryer	ENERGY STAR, Limit 1		\$50.00	
Heat Pump Clothes Dryer	ENERGY STAR, Limit 1		\$100.00	

HVAC & Water Heaters	Qualifications/ Limits	Quantity	Incentive	Total Incentive
Electric Water Heater	ENERGY STAR, Limit 1		\$50.00	
Heat Pump Water Heater	ENERGY STAR, Limit 1		\$200.00	
Heat Pump Home Heat	ENERGY STAR, Limit 1		\$400.00	
Efficient Furnace Blower Motor	ECM Blower Motor, Limit 1		\$75.00	
Central Air	ENERGY STAR, Limit 1		\$200.00	
Central Air Source Heat Pump	ENERGY STAR, Limit 1		\$400.00	
Mini-Split Heat Pump System	ENERGY STAR, Multi-Room Limit 1		\$300.00	
WIFI Thermostat	ENERGY STAR, Limit 2		\$50.00	

EV Charger	Level 2, 240V, Limit 1	Quantity	Incentive	Total Incentive
Charger Manufacturer:	Charger Model:		\$250.00	
EV Charger Equipment Cost:	EV Charger Installation Cost:			
EV Make:	EV Model/ Year:			

<b>Total Incentives:</b>	<b>\$</b>
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### GENERAL PROGRAM RULES

This offer is valid only for City of Escanaba residential electric customers whose accounts are current. Offer is good for a limited time while funds are available on a first-come, first-served basis. City of Escanaba reserves the right to withdraw or change this offer without notice. Incentives may not exceed purchase price. Ineligible incentive requests are subject to denial or repayment to program.



# City of Escanaba

## Commercial & Industrial Energy Optimization Program 2023 Incentive Application

**Ready to start your project? Follow these 3 simple steps.**

### Step #1: Request Pre-Approval

Pre-Approval is not necessary, however it is recommended to ensure that your project is eligible and to reserve funds. If your project has already been completed, move to Step #3. For Pre-Approval, please submit:

1. The Pre-Approval Agreement (found on page 2 of this application), completed and signed.
2. Completed the worksheets on page 4 and 5 of this application that are applicable to your project.
3. Itemized quote/proposal with model numbers from your contractor or supplier.
4. New product specification sheets.

All Projects are subject to inspection before and/or after work is performed.

### Step #2: Complete Your Project

If your project meets the pre-approval criteria, you will be notified that funds have been reserved. Following the specifications listed in this application, install your equipment within 6 months. Due to limited funds, applications that are not completed within 6 months from the date of pre-approval are subject to cancellation.

### Step #3: Get Your Cash Incentive

Once your project is complete, you must submit:

1. The Payment Approval Agreement (found on page 3 of this application), completed and signed.
2. The worksheets on pages 4 and 5 of this application.
3. The itemized invoice(s) for materials and any applicable external labor costs, including the following:
  - Contractor's name and contact information
  - Customer's name and contact information
  - Date of invoice
  - Line item cost for each product
  - Quantities of each product
  - Complete product model numbers
  - Labor (and other) expenses listed separately from product costs
  - Total invoice amount

**To submit your documents, either mail or hand deliver to:**

**City of Escanaba Electric Dept  
1711 Sheridan Road  
Escanaba, MI 49829**

**OR**

**Email to:  
cityelectric@escanaba.org**

**Have Questions?**

**Call 906-786-0061**



# 2023 Energy Optimization Commercial & Industrial Program Pre-Approval Agreement

## Pre-Approval Agreement – Step #1

Please complete and submit this page, along with the appropriate worksheet(s) and quotes with model numbers from your contractor. If you plan to install the equipment yourself, please submit a quote/proposal for the cost of the equipment from a supplier or distributor. If your project meets the pre-approval criteria, you will be notified that funds have been reserved. You can then proceed with completing your project as described in Step #2 on page 1 of this application.

Name of Business		Phone	Email	
Mailing Address		City	State	ZIP Code
Installation Address (If Different than Above)		City	State	ZIP Code
Annual Hours of Operation	City of Escanaba Electric Account Number		Taxpayer ID # (SSN/FEIN or Payee)	
Building Use (Please Check One): <input type="checkbox"/> Office <input type="checkbox"/> Retail <input type="checkbox"/> Warehouse <input type="checkbox"/> Restaurant <input type="checkbox"/> Grocery Store/Supermarket <input type="checkbox"/> Manufacturing <input type="checkbox"/> Lodging <input type="checkbox"/> School (K-12) <input type="checkbox"/> School (College) <input type="checkbox"/> Healthcare Facility <input type="checkbox"/> Other/Miscellaneous				
Name of Supplier/Distributor		Contact Name		
Name of Installing Contractor		Contact Name		
Address		City	State	ZIP Code
Contractor Phone		Contractor Email		
Certifications and Signature I hereby certify that: The information contained in this application is accurate and complete. All rules of this incentive application have been followed. 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 an 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.				
Customer Signature			Date Submitted	
Print Customer Name			Estimated Completion Date	

*You can submit your documents one of two ways...*

**City of Escanaba  
Electric Department  
1711 Sheridan Road  
Escanaba, MI 49829**

**EMAIL:**  
[cityelectric@escanaba.org](mailto:cityelectric@escanaba.org)



## 2023 Energy Optimization Commercial & Industrial Program Payment Approval Agreement

### Payment Approval Agreement – Step #3

Please complete and submit this page along with your itemized invoice(s) and pages 4 and 5 of this application.

Name of Business			
Total Project Cost		Total Incentives Requested	Pre-Approval Incentive Amount (If Applicable)
Mailing Address		City	State
			ZIP Code
Installation Address (If Different than Above)		City	State
			ZIP Code
Print Name	Date		Installation Completion Date
<b>Certifications and Signature</b> I certify that I am an eligible City of Escanaba electric utility customer and that the efficiency measures in this application were installed in this facility. I certify that I have read and complied with the Terms and Conditions of this application. By submitting this application, I understand that this facility may be inspected by employees or contractors/subcontractors of City of Escanaba to verify installation of any and all measures applied for in this application and that the project follows all program guidelines.			
Customer Signature			

**OPTIONAL:** Complete section below **ONLY** if incentive is to be paid to a third-party other than the customer.

Make Payable To		Contact Name		Contact Phone	
Mailing Address		City		State	ZIP Code
Taxpayer ID # (FEIN or Payee)		Tax Status (Please Check One): <input type="radio"/> Corporation <input type="radio"/> Tax Exempt <input type="radio"/> Individual <input type="radio"/> Other:			
Print Name				Date	
<b>Certifications and Signature</b> I am authorizing the payment of the incentive to the third party named above, 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.					
Customer Signature					
I certify that I have read and complied with the Terms and Conditions of this application.					
Third Party Rebate Recipient Signature					

*You can submit your documents one of two ways...*

**City of Escanaba  
Electric Department  
1711 Sheridan Road  
Escanaba, MI 49829**

**EMAIL:  
cityelectric@escanaba.org**



# 2023 Energy Optimization Commercial & Industrial Program

Equipment Specifications & Documentation Requirements

Energy Optimization Incentives

Capped at \$7,500 Per Customer

Lighting	Qualifications	Quantity	Incentive	Total Incentive
LED Replacement Screw in Bulbs-Small	150W or Less Incandescent Equivalent		\$2.00/ Bulb	
LED Replacement Screw in Bulbs-Medium	151 to 500W Incandescent Equivalent		\$5.00/ Bulb	
LED Replacement Screw in Bulbs-Large	501W or Greater Incandescent Equivalent		\$10.00/ Bulb	
LED Replacement Tubes- Small	4 Ft or Less		\$5.00/ Tube	
LED Replacement Tubes- Large	Greater than 4 Ft		\$10.00/ Tube	
LED Interior Fixture	Energy Star on DLC Listed. Per Actual Fixture Watt Rating		\$0.50/ W	
LED Outdoor Fixture	Energy Star or DLC Listed. Per Actual Fixture Watt Rating.		\$0.60/W	
Room Lighting Occupancy Sensor	Turns Lights Off When Room is Unoccupied		\$25/ Room	
LED Exit Sign			\$5/ Sign	

HVAC Equipment	Qualifications	Quantity	Incentive	Total Incentive
Variable Frequency Drives on HVAC Equipment	Installed on Equipment Currently Without VFDs		\$75/HP	
AC Air-Source Heat Pump			\$50/ Ton	
Ground Source Heat Pump			\$50/ Ton	
HVAC Chiller Replacement			\$40/ Ton	
ECM Condenser Fan Motor	Replace Non- ECM Motor		\$75/ Ton	
Commercial Heat Pump Water Heater			\$500	

Other Motorized Equipment Compressors, Fans, Etc.	Qualifications	Quantity	Incentive	Total Incentive
Variable Frequency Drives	Installed on Equipment Currently Without VFDS		\$75/ HP	
Soft Starters	Installed on Equipment Currently Without Soft Starters		\$20/ HP	
ECM Motor	Replace Non-ECM Motor		\$75/ HP	

Commercial Kitchen Equipment	Qualifications	Quantity	Incentive	Total Incentive
Electric Steam Cooker	Energy Star		\$300/ Pan	
Commercial Refrigerator	Energy Star		\$100/ Pan	
Commercial Freezer	Energy Star		\$100/ Unit	
Commercial Ice Machine	Energy Star		\$100/ Unit	
Commercial Electric Fryer	Energy Star		\$100/ Unit	
Hot Holding Cabinets	Energy Star		\$100/ Unit	
Commercial Dishwasher	Energy Star		\$300/ Unit	

*You can submit your documents one of two ways...*

**City of Escanaba  
Electric Department  
1711 Sheridan Road  
Escanaba, MI 49829**

**EMAIL:**  
[cityelectric@escanaba.org](mailto:cityelectric@escanaba.org)

# 2023 Energy Optimization Commercial & Industrial Program

Equipment Specifications & Documentation Requirements

Energy Optimization Incentives

Capped at \$7,500 Per Customer

Commercial Refrigeration	Qualifications	Quantity	Incentive	Total Incentive
LED Grocery Case Lighting			\$40/ Door	
Motion Sensor for LED Case Lighting			\$10/ Door	
ECM Motor- Walk- In/ Case Cooler/ Freezer	Replace Non-ECM Motor		\$75/ HP	
Anti- Sweat Heater Controls	Relative Humidity Controls for Anti-Sweat Heaters		\$80/ Door	

Custom Energy Reduction Incentive	Qualifications	Quantity	Incentive	Total Incentive
Custom Energy Reduction Incentive	Must Reduce Energy Use for a Specific Piece of Equipment or Process. Contact the Electric Department to discuss and calculate custom incentives.		\$0.10/kwh Reduced	

EV Chargers	Qualifications	Quantity	Incentive	Total Incentive
Level 2 EV Charger			\$250/ Charger	
DC Fast Charger	Chargers that Reduce Output When Charging More Than One Vehicle are Considered One Charger.		\$1000/ Charger	

Total Incentives:	\$
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## GENERAL PROGRAM RULES

This offer is valid only for City of Escanaba commercial and industrial electric customers whose accounts are current. Offer is good for a limited time while funds are available on a first-come, first-served basis. City of Escanaba reserves the right to withdraw or change this offer without notice. Incentives may not exceed purchase price. Ineligible incentive requests are subject to denial or repayment to program.

*You can submit your documents one of two ways...*

**City of Escanaba  
Electric Department  
1711 Sheridan Road  
Escanaba, MI 49829**

**EMAIL:**  
[cityelectric@escanaba.org](mailto:cityelectric@escanaba.org)





### Terms and Conditions

1. Eligibility: These incentives are offered by the City of Escanaba to commercial and industrial electric customers installing energy efficient equipment only. For questions regarding eligibility, call 906-786-0061.
2. Incentive Offer: Applicant has 6 months from the date of the acceptance letter to complete the proposed project. Applications that are not completed within 6 months are subject to cancellation. Additionally, invoice(s) related to the equipment upgrade must be submitted to the City of Escanaba within 90 calendar days of installation (completion). Please keep a copy for your records. Incentives are calculated based on prescriptive incentive rates and shall not exceed the total cost of equipment, labor, and other associated project costs.
3. Project Documentation Requirements: Customer will have to provide the City of Escanaba with the documentation as listed in the instructions (page 1). If the Customer does not provide the required project documents to the City of Escanaba, the project may be disqualified from the program.
4. Energy Efficiency Improvement Qualifications: Increased energy efficiency resulting from peak shaving, demand limiting, or operating schedule changes does not qualify. To qualify, equipment must have a planned minimum usage of 1,500 hours per year. If Customer's equipment does not meet required usage hours per year, an incentive cannot be offered. If Customer has questions or concerns about above qualifications, Customer may contact the City of Escanaba at 906-786-0061 to discuss.
5. Incentive Limit: Prescriptive and Custom project applications may receive or cumulate a maximum of \$7,500 combined per customer name and/or business entity each calendar year. Incentive limit is subject to change without notice. Incentives for measures can be up to 100% for Prescriptive projects and 50% for Custom projects of the total project cost of a specific measure but shall not exceed the incentives for each measure on the application Worksheet(s).
6. Compliance:
  - a. All projects must comply with applicable federal, state and local laws.
  - b. All equipment must be new or retrofitted with new components.
  - c. The purchase and installation of used equipment is not eligible for incentives. Existing equipment must be removed and/or permanently disconnected.
  - d. Equipment must meet specification requirements as defined in application Worksheets and Equipment Guidelines.
7. Payment: Approved Final Applications will receive payment within approximately 4 weeks of signed payment approval. Incomplete applications may delay payments or result in denial of application approval. The City of Escanaba reserves the right to refuse payment and disqualify customer from participating in the program if the Customer or their contractor violates any program Terms and Conditions.
8. Inspection: City of Escanaba staff or it's designated contractor may conduct inspection(s) of the project site to survey existing conditions and/or newly installed equipment.
9. Program Discretion: Incentives are available on a first-come, first-served basis. Incentive amounts and offerings are subject to change and/or termination without notice at the discretion of the City of Escanaba.
10. Disclaimers: The City of Escanaba:
  - a. does not endorse any particular manufacturer, product, labor or system design by offering this program;
  - b. is not responsible for any tax liability imposed on the customer as a result of the payment of incentives. The City of Escanaba is tax exempt;
  - 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 and/or for any damage caused by the malfunction of the installed equipment.
11. Indemnification: Customer shall, to the fullest extent permitted by law, indemnify and hold harmless the City of Escanaba, and their officers, agents and employees harmless from and against all losses and litigation expenses arising out of or resulting from the performance of work hereunder and caused, in whole or part, by any act or omission of Contractor. The City of Escanaba shall further be entitled to all cost (which include both internal and external) incurred in the process of enforcing this or any other provision under this agreement. This provision is not intended and is not to be construed as a waiver of the defense of governmental immunity otherwise available nor is it intended to grant third party beneficiary status to any person or entity.
12. Governing Law: This agreement is construed in accordance with Michigan law, without regard to conflict of laws, provisions, and venue is in the county in which the municipality resides.



# CITY OF ESCANABA 2022 RESIDENTIAL ENERGY EFFICIENCY PROGRAM SHORT FORM APPLICATION

Get Rebates for Purchasing Energy Efficient Appliances and Products

### Step #1:

Purchase one or more of the qualifying products on the back of this application.

### Step #2:

Ask for a copy of your receipt from the cashier.

### Step #3:

Fill out the application and sign.

### Step #4:

Mail a copy of your receipt and completed application to:

Energy Smart Program  
5918 Enterprise Drive  
Lansing, MI 48911

### Step #5:

Receive your incentive check or credit on your electric utility bill from your local utility in 8-10 weeks.

In addition to the provided prepaid envelope, you may also submit your completed application and support documentation by fax at 517-203-0658, by email at [energysmart@franklinenergy.com](mailto:energysmart@franklinenergy.com), or by mail at Energy Smart Program, 5918 Enterprise Drive, Lansing, MI 48911. Limited funds are available. Please allow 8-10 weeks to receive your Energy Smart incentive check or electric bill credit from the time your completed application is received. Applications must be received by December 31, 2022. For more information, please call 877-NRG-SAV1 (877-674-7281) or visit [mienergysmart.com](http://mienergysmart.com).

092-0029-10-00

Customer Name		
Phone		
Email		
Mailing Address		
City	State	ZIP
Installation Address		
City	State	ZIP

Product	Incentive	Quantity	Requested Incentive
Central AC - 15 SEER	\$75.00		
Central AC - 16 SEER	\$100.00		
Central AC - 17 SEER	\$150.00		
Mini-Split System (18 SEER or higher)	\$300.00		
ENERGY STAR® High Efficiency Heat Pump Water Heater (Replacing Electric Water Heater)	\$150.00		
ENERGY STAR Dehumidifier	\$15.00		
ENERGY STAR Refrigerator	\$25.00		
ENERGY STAR Room AC	\$15.00		
ENERGY STAR PC (Personal Computer)	\$15.00		
Electric Clothes Dryer High Efficiency	\$25.00		
Intelligent Surge Protector	\$10.00		
Programmable Thermostat	\$10.00		
ENERGY STAR LED Lamp (Quantity limit 25)	\$4.00		
ENERGY STAR TV	\$30.00		
ENERGY STAR Monitor	\$15.00		
ENERGY STAR Freezer Chest or Upright	\$20.00		
ENERGY STAR Air Purifier	\$40.00		
<b>TOTAL INCENTIVE REQUESTED</b>			<b>\$</b>

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. 3. I have read and understand the Terms and Conditions included within the full application located at [mienergysmart.com](http://mienergysmart.com).

Customer Signature	
Print Name	Date

Must be electric utility customer. For complete Terms and Conditions, incentives and full application, visit [mienergysmart.com](http://mienergysmart.com).



## 2022 COMMERCIAL & INDUSTRIAL PROGRAM

### Quick Reference Guide for Energy Efficiency Incentives

Prescriptive Lighting Worksheet (one-for-one unit replacement)			
Measure	\$ / Unit	Measure	\$ / Unit
CFL (less than 30W)	\$1 / Lamp	LED PAR Lamp (less than 20W)	\$5 / Lamp
CFL (between 30W and 115W)	\$1 / Lamp	LED Downlight Fixture	\$20 / Fixture
Specialty CFL (Dimmable, 3-Way, Flood)	\$1 / Lamp	LED Exit Signs	\$13 / Fixture
LED A Series (replacing incandescent)	\$2 / Lamp	Interior Linear LED Lighting	\$0.08 / kWh
LED Decorative (replacing incandescent)	\$4 / Lamp	High Bay Lighting	\$0.30 / Watt reduced
LED Lamp replacement screw base CFL	\$1 / Lamp	Exterior Lighting	\$0.35 / Watt reduced
LED MR16 Lamp (less than 10W)	\$4 / Lamp		

Controls Worksheet			
Measure	\$ / Unit	Measure	\$ / Unit
<b>HVAC Controls</b>			
Building Temperature Controls	\$45 / 1,000 sq ft	Exterior Occupancy Sensors with Daylight Sensor	\$20 / Sensor
Optimized Snow Melt Controls	\$9 / 1,000 sq ft	Interior Daylight Harvesting Sensor	\$0.09 / sq ft
Occupancy Sensor Control for HVAC	\$30 / 1,000 sq ft	Interior Central Lighting Control	\$0.06 / sq ft
Constant Volume AHU to VAV	\$450 / 1,000 sq ft	<b>Variable Frequency Drives (VFD)</b>	
Air Side Economizer	\$10 / 1,000 sq ft	HVAC Fan	\$60 / HP
Critical Zone Reset Control	\$20 / 1,000 sq ft	HVAC Pump	\$75 / HP
Hotel GREM Controls – A/C with Electric Heat	\$65 / Unit	Process Fan	\$75 / HP
Hotel GREM Controls – A/C with Gas Heat	\$10 / Unit	Process Pump	\$75 / HP
<b>Computer Controls</b>			
Network Power Management Software	\$8 / PC controlled	ECM Pump	\$100 / HP
<b>Lighting Controls</b>			
Interior Occupancy Sensors which control < 500W	\$20 / Sensor	<b>Computer Room Air Conditioning</b>	
Interior Occupancy Sensors which control > 500W	\$50 / Sensor	High Efficiency Computer Room Air Conditioning	\$14 / MBH
		CRAC Unit Economizer	\$35 / MBH
		VFD on Existing CRAC Unit Process Fans	\$150 / HP
		<b>Data Room Hot/Cold Aisle Configuration</b>	
		Return Air Temp Increase ≥ 5°F	\$10 / MBH
		Return Air Temp Increase ≥ 10°F	\$20 / MBH

Compressed Air Worksheet			
Measure	\$ / Unit	Measure	\$ / Unit
<b>Compressed Air Equipment</b>			
VSD Air Compressor (<301 HP)	\$150 / HP	Heat of Compression Air Dryer	\$4 / SCFM
Refrigerated Cycling Thermal Mass Air Dryer	\$2 / SCFM	Compressed Air Storage Tank	\$30-50 / HP
Variable Speed Air Dryer	\$2 / SCFM	Air Compressor Outside Air Intake	\$8.50 / HP
Dew-Point Sensor Control for Desiccant Dryer	\$5 / SCFM	Low Pressure Drop Air Filters for Compressed Air	\$5 / HP
Engineered Nozzles	\$150 / Nozzle	No-loss Drains – Compressed Air	\$150 / Drain
Flow Controller	\$10 / HP	<b>Compressed Air Energy Audit and Leak Reduction</b>	
Variable Displacement Air Compressor	\$35 / HP	Compressed Air Leak Audit AND Repair of 50% of Documented Leaks by Volume	\$15 / HP
Desiccant to Refrigerated Air Dryer	\$4 / SCFM		



## 2022 COMMERCIAL & INDUSTRIAL PROGRAM

### Quick Reference Guide for Energy Efficiency Incentives

Mechanical Worksheet		
Measure		\$ / Unit
<b>Central Packaged/Split System Replacement</b>		
Air Conditioner/Air-Source Heat Pump	≤ 5.4 Tons, 14 SEER AC, 15 SEER Heat Pump	\$50 / (Ton x Qty)
	≤ 11.25 Tons, 12.4 EER AC, 11.8 EER Heat Pump	\$50 / (Ton x Qty)
	≤ 20 Tons, 12.5 EER AC, 10.9 EER Heat Pump	\$50 / (Ton x Qty)
	≤ 63.3 Tons, 10.6 EER AC, 10.3 EER Heat Pump	\$50 / (Ton x Qty)
	> 63.3 Tons, 10.2 EER AC, 10.3 EER Heat Pump	\$50 / (Ton x Qty)
<b>HVAC Chiller Replacement</b> (Incentives are not available for back-up or redundant chillers.)		
Air-Cooled	All Sizes < 1.14 kW/Ton & ≤ .71 kW/Ton Part Load	\$40 / Ton
Water-Cooled Positive Displacement	≤ 150 Tons, ≤ 0.69 kW/ton & ≤ 0.46 kW/Ton Part Load	\$40 / Ton
	≤ 300 Tons, ≤ 0.63 kW/ton & ≤ 0.41 kW/Ton Part Load	\$40 / Ton
	> 300 Tons and / ≤ 600 Tons, ≤ 0.58 kW/Ton & ≤ 0.38 kW/Ton Part Load	\$40 / Ton
Water-Cooled Centrifugal	≤ 150 Tons, ≤ 0.58 kW/Ton & ≤ 0.41 kW/Ton Part Load	\$40 / Ton
	≤ 300 Tons, ≤ 0.58 kW/Ton & ≤ 0.37 kW/Ton Part Load	\$40 / Ton
	≤ 600 Tons, ≤ 0.53 kW/Ton & ≤ 0.35 kW/Ton Part Load	\$40 / Ton
<b>HVAC Chiller Maintenance</b>		
Air-Cooled & Water-Cooled Chiller Tune-Up		\$350 / Unit
Cogged Belt Drive		\$5 / HP
Synchronous Belt Drive		\$9 / HP
<b>Miscellaneous Equipment</b>		
High-Frequency Battery Charger (Fork Lifts Only)		\$100 / Unit / Shift

Commercial Kitchen / Retail Worksheet			
Measure	\$ / Unit	Measure	\$ / Unit
<b>Commercial Kitchen Systems</b>		<b>Commercial Refrigeration Systems</b>	
ENERGY STAR® Steam Cooker	\$600 / Unit	LED Grocery Case Lighting	\$40 / Door
ENERGY STAR Commercial Refrigerator	\$100 / Unit	Recycling of Refrigerators/Must be >15 and <40 cubic feet	\$50 / Unit
ENERGY STAR Commercial Freezer	\$100 / Unit	Occupancy Sensor for LED Case Lighting	\$10 / Door
ENERGY STAR Ice Machine	\$400 / Unit	Walk-In or Case Cooler/Freezer ECM	\$100 / Motor
ENERGY STAR Fryer	\$80 / Unit	No Heat Reach-In Case Doors	\$150 / Door
ENERGY STAR Hot Holding Cabinets	\$200 / Unit	Cooler Strip Curtains	\$5 / ft²
ENERGY STAR Commercial Dishwasher	\$600 / Unit	Freezer Strip Curtains	\$25 / ft²
		Cooler/Freezer Door Gaskets	\$2.50 / Linear Foot
		Cooler Night Covers	\$1 / Foot / Hour
		Anti-Sweat Heater Controls	\$80 / Door
		High Speed Door (Cooler-Dock)	\$15 / Door
		High Speed Door (Cooler-Freezer)	\$70 / Door
		High Speed Door (Freezer-Dock)	\$145 / Door

For more information on the MPPA Energy Smart program and rebate applications, visit [mienergysmart.com](http://mienergysmart.com) or call **877-NRG-SAV1** to speak with an Energy Advisor.