

VILLAGE PRESIDENT
Seth Speiser

VILLAGE CLERK
Jerry Menard

VILLAGE TRUSTEES
Ray Matchett, Jr.
Steve Smith
Mike Blaies
Mathew Trout
Dean Pruett
Elizabeth Niebruegge

VILLAGE OF FREEBURG

FREEBURG MUNICIPAL CENTER
14 SOUTHGATE CENTER, FREEBURG, IL 62243
PHONE: (618) 539-5545 • FAX: (618) 539-5590
Web Site: www.freeburg.com

VILLAGE ADMINISTRATOR
Tony Funderburg

VILLAGE TREASURER
Bryan A. Vogel

PUBLIC WORKS DIRECTOR
John Tolan

POLICE CHIEF
Stanley Donald

VILLAGE ATTORNEY
Weilmuenster Law Group, P.C

October 7, 2013

NOTICE MEETING OF THE ELECTRIC COMMITTEE (Blaies/Smith/Niebruegge)

An Electric Committee Meeting of the Village of Freeburg will be held at the Municipal Center, Executive Board Room, **Wednesday, October 9, 2013, at 5:30 p.m.**

ELECTRIC COMMITTEE MEETING AGENDA

I. Items to be Discussed

A. Old Business

1. Approval of September 11, 2013 minutes
2. Acquiring Ameren Customers
3. Portable Generator replacement
4. Arc Flash
5. Safety Training
6. Wiegmann's project
7. Shed
8. Risk assessment conducted by insurance company
9. Doors at old power plant
10. Transformer Bids/Surplus Transformers
11. LED Lighting
12. Cost of electric materials
13. Discontinuance of Village employees installing temp electric
14. Maintenance of electric service at park
15. Inspection of Power Poles
16. Maintenance of Caterpillar engines

B. New Business

C. General Concerns

D. Public Participation

E. Adjourn

At said Electric Committee Meeting, the Village Trustees may vote on whether or not to hold an Executive Session to discuss the selection of a person to fill a public office [5 ILCS, 120/2 - (c) (3)], litigation [5 ILCS, 120/2 - (c)(11)] personnel [5 ILCS, 120/2 - (c) (1)]; or real estate transactions [5 ILCS, 120/2 - (c)(5)].

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ELECTRIC COMMITTEE MEETING
Wednesday, October 9, 2013 at 5:30 p.m.

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The meeting of the Electric Committee was called to order at 5:30 p.m. on Wednesday, October 9, 2013 by Chairman Mike Blaies. Committee members present were Chairman Mike Blaies, Trustee Steve Smith, Trustee Elizabeth Niebruegge, Mayor Seth Speiser, Head Lineman Shane Krauss and Village Administrator Tony Funderburg. Guest present: Janet Baechle.

A. OLD BUSINESS:

1. Approval of September 11, 2013 Minutes: Trustee Steve Smith motioned to approve the September 11, 2013 minutes and Trustee Elizabeth Niebruegge seconded the motion. All voting aye, the motion carried.
2. Acquiring Ameren customers: Shane discussed this with Julie. He would like to address all of the customers as a study to see who would be interested. Then, he can visit each location and see if it would be cost effective to switch them over to Freeburg power. Right now, we may not be in the best position price wise. Tony said it may be better to wait until closer to 2016 when people may be fighting to obtain our power. He also said we may be able to switch customers over who already want to annex into the village. We will concentrate on the residents that want to annex into the Village at this time.
3. Portable Generator Replacement: Shane said the portable generator is up and running. He will actually be using it tomorrow and stated he would like to keep it portable. Mike asked about the fuel leak and Shane said it is a drip and if it becomes a greater issue, we will address it then. Shane will get bids on another portable generator. We may put money in the budget for a new generator rather than replacing the generator that is working on an old engine.
4. Arc Flash Study: Shane said we want to paint the building but are running into a temperature conflict. It may not be done before winter hits. It's not as critical to have this done during the winter-time but will be once it gets closer to summer. Item can be taken off the agenda.
5. Safety Training: Since this a regularly scheduled event, we can take this item off the agenda.
6. Wiegmann's project: Shane said we have the outage scheduled for the 17th. We are going to rack out one of the transformer banks.
7. Shed: Shane is working on what voltage we are going to use on the boilers. We are going to rock the apron for now. Shane does not think the heat will be in before the winter. Mayor Speiser asked Shane to call the guy every day and

Shane said he will stay on him. Shane said he bid this with gas and we are going with electric boilers which are more expensive. Tony will pull the bids to see if it was worded to use gas or electric.

8. Risk assessment conducted by insurance company: Shane will start working on this. He found the log books Ron purchased but doesn't have anything that was supposed to be logged into those books. He will work with Julie on this.
9. Doors at old power plant: Shane met with them and it will be taken care of. It was a transmitter issue. Item can be taken off the agenda.
10. Transformer bids/Surplus Transformers: Shane has a list of transformers that were tested. Most all of them came back too high to sell. This company will dispose of them properly as long as their charge is reasonable. Shane said there is a handful that we can sell and he will keep them on hand until he has enough to do so.
11. LED lighting: Tony said out of the \$10,000 grant from IMEA, Professional Metals' project cost \$3,251. Therefore, we have \$2,082 to use for any lighting project. We can give him the full amount and said we need to decide how much incentive we should give Professional Metals. The committee agreed to give \$1600 to them.

Trustee Elizabeth Niebruegge to approve the IMEA LED Lighting Grant to Dennis Kaiser of Professional Metal Works in the amount of \$1600 and Trustee Steve Smith seconded the motion. All voting aye, the motion carried.

12. Cost of electric materials: Shane is working on this. Tony said we meet with IMEA tomorrow and he will bring this up at that time.
13. Discontinuance of Village employees installing temp electric: Shane said we need to decide on the policy. Shane asked if we or the County should inspect it. He feels comfortable with our linemen looking at it to give the approval to hook up. He only wants us to be responsible to hook the power up and not have to maintain them. We will review the building permit to see if it needs to be updated. Currently we charge \$100 for a deposit and \$50 to hook it up.
14. Maintenance of electric service at park: Mayor Speiser said the Park District wants Shane to call Jackie about the chili cook-off. Tony thinks this goes beyond borrowing electric. Shane said it's pretty much wired up for them and he said we can help them if we need to. We need to get away from requests that come in the day or so before the event. Shane said all of the lights for the ball field are going.
15. Inspection of power poles: Shane said this is ongoing and he said he deals with this on a daily basis. Item can be taken off the agenda.
16. Maintenance of Caterpillar engines: Shane said he will break down the quotes further to see if there are certain items we can tackle during this budget year and others that can be addressed next year.

Trustee Niebruegge brought up the resident utility mix up discussed last month and Tony said Troy and Brian both said we should not make the resident that would owe the \$2800 pay the money back and the committee agreed.

Steve asked to get together in the next couple of weeks to meet with Shane and John about Lights in the Park.

Tony said the budget billing has some major glitches in it. He said anyone that is not on automatic bill pay is showing the customer past due. It's an issue with Locis and if you hear anything, we are working with Locis to fix the problem. Tony said it's a work in progress.

B. NEW BUSINESS: Shane said we have two trenchers, one of which is old that we never use. He would like to surplus that one and possibly buy a better trailer for the one we do use. He doesn't remember the last time we started the one up. Tony said we can surplus the one. Shane asked if we could trade it in on a trailer? Tony said there is money in the budget for a trailer. Shane will get some costs on trailers and get some quotes from companies.

C. GENERAL CONCERNS: None.

D. PUBLIC PARTICIPATION: Janet wanted to know why the painting wasn't done on the doors and Shane said we were busy and he was tackling a lot of projects. Janet asked if we have all of the high level transformer things gone where we don't have any more to worry about? Shane said we have the failed transformers tested when they go bad.

E. ADJOURN: *Trustee Elizabeth Niebruegge motioned to adjourn at 6:24 p.m. and Trustee Steve Smith seconded the motion. All voting aye, the motion carried.*



Transcribed from tape by
Julie Polson
Office Manager

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ELECTRIC COMMITTEE MEETING
Wednesday, September 11, 2013 at 5:30 p.m.

The meeting of the Electric Committee was called to order at 5:30 p.m. on Wednesday, September 11, 2013 by Chairman Mike Blaies. Committee members present were Chairman Mike Blaies, Trustee Steve Smith, Trustee Elizabeth Niebruegge, Mayor Seth Speiser, Public Works Director John Tolan, Head Lineman Shane Krauss, Village Administrator Tony Funderburg and Office Manager Julie Polson. Guest present: Janet Baechle.

A. OLD BUSINESS:

1. Approval of August 14, 2013 Minutes: Trustee Steve Smith motioned to approve the August 14, 2013 minutes and Trustee Elizabeth Niebruegge seconded the motion. All voting aye, the motion carried.
2. Acquiring Ameren customers: Shane has checked some additional locations with power close by but still needs to check the list more thoroughly.
3. HAPS/High sulfur fuel: We are waiting on the permit. John said LaDonna Driver and BHM&G are still trying to figure out a solution to the high sulfur fuel.
4. Portable Generator Replacement: Shane said Craig had the generator running today. There is a slight fuel leak from the original speed control. That would cost about \$1,200 to replace. He suggested taking the unit and see how it runs when we put a load on it. John would like to leave the generator portable. He also told the committee we do have money in the budget for a generator.
5. Arc Flash Study: Shane said we are getting ready to paint the doghouse. The motors are on the exhaust fans.
6. Safety Training: John said IMUA will be here on 9/25 for fire safety training.
7. Wiegmann's project: Shane said all three transformers are set and we are waiting on Wiegmanns. They want to wait until October to do their work. We will meet before then to discuss everything. Shane gave Jane the information on what to bill the school. That portion can be taken off the agenda.
8. Shed: John said the floor is in. We went ahead and cured and sealed the floor and it looks very nice. Shane will have the heating guy tell us what he thinks we need to heat the building. AKA offered to pour concrete pads out in front of the shed at a cost of \$16,000 and Seth thought if our guys did the work, it would only cost around \$4,000. We need to get the contractor back out on the doors to make sure they close properly.

9. Spreadsheet of agreements: Julie revised the dates on the Charter franchise agreement. She said the CellNet contract goes year to year once the original term expires. We need to go out for bid on the audit contract. Shane questioned if poles go bad, can we have language in the contract to address that.
10. Risk assessment conducted by insurance company: Shane will start working on this soon.
11. Doors at old power plant: John will call them again to try and get them out to take care of this.
12. Transformer bids/Surplus Transformers: Shane is working on this. Once he compiles all of the information, he will obtain 3 bids.
13. Prairie State Tour: Item can be taken off the agenda.
14. LED Lighting: Julie advised the grant application has been submitted and received. John said Professional Metals already did the project and it is up to us to decide how much grant money Professional Metals will receive. Tony said we will know more in October on what we can give them. Shane said if we replace our streetlights with LED lights, he would like to leave the decorative lights alone and address the older fixtures.
15. Cost of electric materials: John said when he, Shane and Tony visited IMEA earlier this week, IMEA offered to help in several different areas. They can gather information from other municipalities, provide sample ordinances, etc. Tony will talk to them about this topic as well as number 16 below.
16. Discontinuance of Village employees installing temp electric: Tony will check with IMEA on this. Julie will see if there is anything in our code that addresses this.
17. Maintenance of electric service at park: John said we talked about writing a letter to the park board and Tony said he will discuss this in an upcoming meeting with them.

B. NEW BUSINESS:

1. Resident electric bill: Shane said Pete Vogel had a storage shed where the meter has not been read for several years. We then obtained a recent reading for that location and Mr. Vogel received a bill for \$726.94 which he paid. Shane stated the problem is there are a few estimated readings for that meter but he doesn't know where they came from to substantiate the reading. He also said because of the meter that is currently installed, we can't replace it with a radio read meter. Pete would have to run a new service. John said Pete did pay the minimum amount every month. John suggested we read the meter for three months, which we did, and there was very minimal usage. Shane said Jane recalculated the amount owed using 5 kwh and came up with \$64.89 for the 6-year period.

Trustee Elizabeth Niebruegge motioned to recommend to the full Board Pete Vogel be issued a refund in the amount of \$662.05 and Trustee Steve Smith seconded the motion. All voting aye, the motion carried.

Shane also brought up a situation where we had two residents paying for each other's electric bill because we had the transponder number of the meter associated with the incorrect utility account. This resulted in one customer receiving a \$2,800 refund and the other customer who owes \$2800. With this instance, we can account for the usage, we just billed the wrong person. The committee held a lengthy discussion with suggestions for the resident to pay an extra \$25 per month until it's paid off or possibly only having to pay a portion of the amount back. Seth said we should check to see if we can legally do something to recoup the money owed the Village. This will be discussed next month.

Shane said we need to discuss the maintenance of the Caterpillar engines. We have never had a clear maintenance schedule. To perform maintenance on each of the Cats, it would cost approximately \$8,572 per unit or about \$17,000 total. We do have an oil leak in one of the Cats so we need to budget for these maintenance costs. John said Bob figured us to be at approximately 1300 hours now. Shane reassured the committee we have maintained the units, just not on a set schedule. This will be added to the agenda.

C. GENERAL CONCERNS: None.

D. PUBLIC PARTICIPATION: None.

E. ADJOURN: Trustee Steve Smith motioned to adjourn at 6:54 p.m. and Trustee Elizabeth Niebruegge seconded the motion. All voting aye, the motion carried.



Julie Polson
Office Manager

Tony Funderburg

From: Rodd Whelpley [rwhelpley@imea.org]
Sent: Friday, October 04, 2013 1:06 PM
To: Rodd Whelpley; 'jtolan@freeburg.com'; 'tfunderburg@freeburg.com'
Subject: Would you like to give an incentive for the Professional Metal Works Project? (IMEA Electric Efficiency Program)
Attachments: Freeburg_LightingProject_ProfessionalMetalWorks_FinalApp_Complete.pdf

Hi John and Tony –

As you probably remember, in late August we received an application for an incentive for an already completed lighting project at Professional Metal Works. I had somehow failed to make Denis Kaiser at Professional Metal Works understand that he had to make a pre-application and get a notice to proceed before starting the project in order to receive an incentive.

I think that we all decided we would think about the application for Professional Metal Works after the village had a good idea of how much funding it would use for its lighting projects at City Hall, the Public Works Building and the Power Plant.

I've attached a copy of the 'final' application for the project at Professional Metal Works.

On paper, the project qualifies for an incentive of \$3,251. Freeburg has \$2,082.89 to use for incentives for projects in the Village in FY2013-14.

If you want to give an incentive to Professional Metal Works, please let me know the amount you would like to send them. Then I can take care of getting any incentive payment to Professional Metal Works.

Thanks,

Rodd Whelpley

Program & Communications Administrator
Illinois Municipal Electric Agency
3400 Conifer Drive
Springfield, IL 62711
Ph: 217-789-4632
800-243-4632
Cell: 217-971-8889
rwhelpley@imea.org

From: Rodd Whelpley
Sent: Friday, October 04, 2013 12:50 PM
To: Rodd Whelpley; 'jtolan@freeburg.com'; 'tfunderburg@freeburg.com'
Subject: IMEA Electric Efficiency Program - FY 2013-14 balance for Freeburg = \$2,082.89

Hi John and Tony –

After allocating \$7,923 for the lighting upgrades at city buildings, the village has \$2,082.89 to us as incentives for

10/4/2013

electric efficiency projects in FY2013-14.

Thanks,

Rodd Whelpley

Program & Communications Administrator

Illinois Municipal Electric Agency

3400 Conifer Drive

Springfield, IL 62711

Ph: 217-789-4632

800-243-4632

Cell: 217-971-8889

rwhelpley@imea.org

From: Rodd Whelpley

Sent: Friday, October 04, 2013 12:44 PM

To: 'jtolan@freeburg.com'; 'tfunderburg@freeburg.com'; 'Brett Small'; 'Deborah Settlemoir'

Cc: Rodd Whelpley

Subject: Notice To Proceed - Lighting Upgrades at City Buildings - project no. 29_Freeburg_1_2014

TO: John Tolan and Tony Funderburg, Village of Freeburg; and Brett Small and Deborah Settlemoir, NuWay Lighting

FROM: Rodd Whelpley, IMEA

DATE: 4 October 2013

ABOUT: Notice To Proceed – Lighting Upgrades at City Buildings – project no. 29_Freeburg_1_2014

Dear Tony, John, Brett and Deborah:

Thanks for submitting your pre-approval application for IMEA Electric Efficiency Project funds for a transformer project in Freeburg.

Attached is a notice to proceed (along with the pre application) for this project (29_Freeburg_1_2014).

This project qualifies for an incentive of \$7,923.

Attached to this e-mail please find:

- A Notice to Proceed for this project
- A copy of the pre-approval application for IMEA Electric Efficiency Funds for this project
- A blank copy of the IMEA Electric Efficiency Program Guidelines and Application form (which you may use to make your final application for funding)

The notice to proceed describes the remaining steps you need to take to receive your funds. Essentially, you complete the project; fill out the final application form (noting any changes in the project from the pre-approval stage to completion); attach the final, dated invoices for the project; attach the required schedules showing the calculation of energy savings attributable to the project; and send that all to me. I will look over the materials and then put the project through the payment process.

10/4/2013

However, to streamline the final application process, if the project does not significantly change from how it was described in your pre-application, then you can send me a copy of your pre-application marked as final, along with copies of the final bills associated with this project (so that I can confirm the total project budget).

Thanks for participating in this program.

Rodd Whelpley

Program & Communications Administrator

Illinois Municipal Electric Agency

3400 Conifer Drive

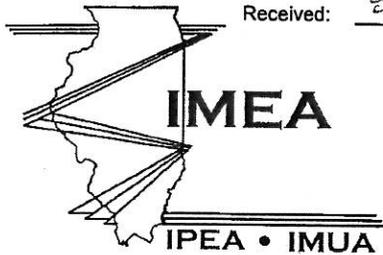
Springfield, IL 62711

Ph: 217-789-4632

800-243-4632

Cell: 217-971-8889

rwhelpley@imea.org



Received: 8/30/2013 Project # _____

___ Pre-App Final App

(to be completed by IMEA)

*Project came in as
complete*

*Lighting Project at
Professional Metal Works
in Freeburg*

ILLINOIS MUNICIPAL ELECTRIC AGENCY ELECTRIC EFFICIENCY PROGRAM

INCENTIVES FOR IMEA MEMBER COMMERCIAL AND INDUSTRIAL ENTITIES

GUIDELINES AND APPLICATION

Program Year FY2013-14
Start Date: May 1, 2013

Program Contact:

Rodd Whelpley

Program & Communications Administrator

Illinois Municipal Electric Agency

3400 Conifer Drive

Springfield, IL 62711

Ph: 217-789-4632

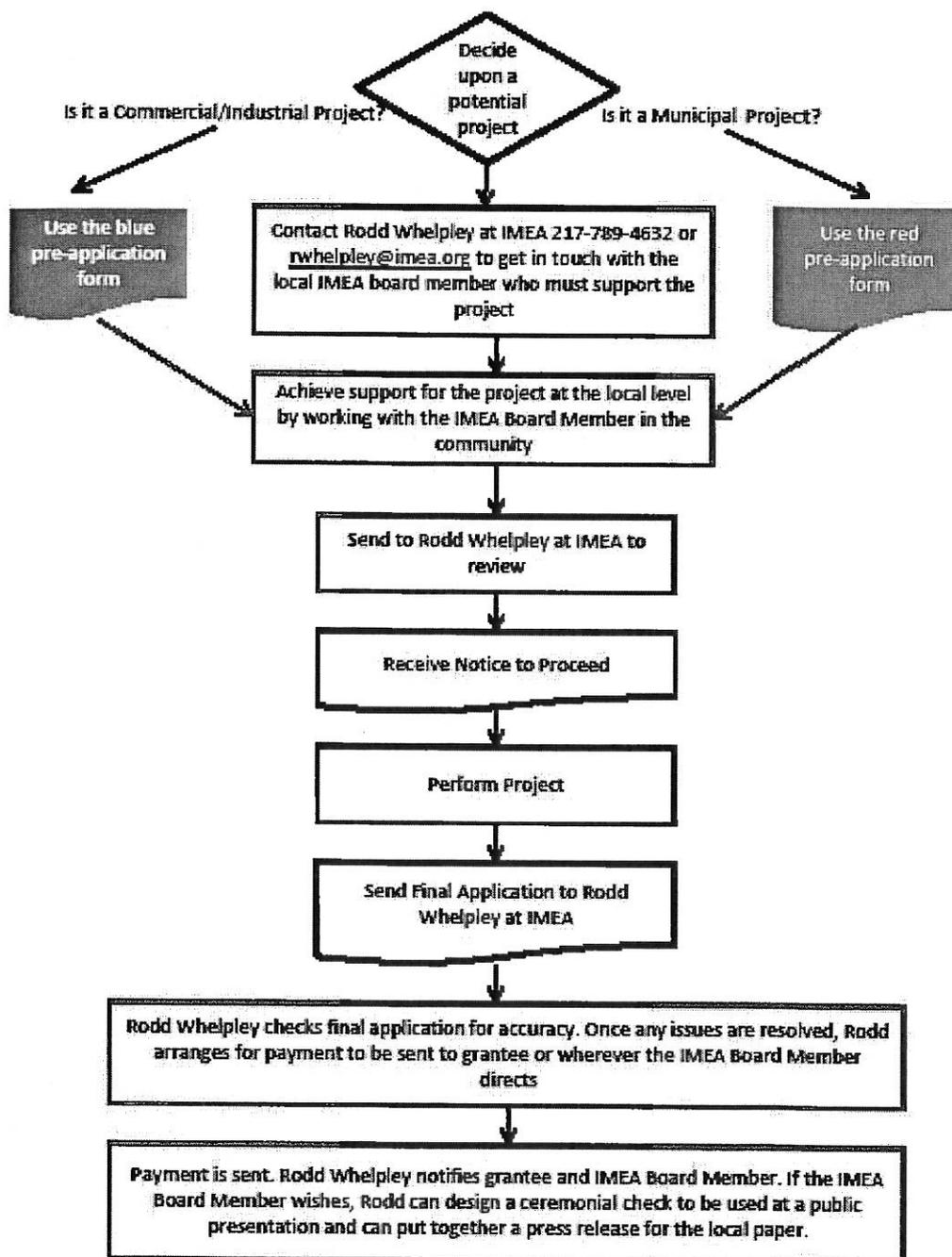
800-243-4632

Cell: 217-971-8889

rwhelpley@imea.org

IMEA Electric Efficiency Projects Process Flow Chart – REVISED, March 2011

NOTE: This chart summarizes the steps you MUST follow in order to access IMEA Electric Efficiency Program incentives. The best first step is to contact the program manager, Rodd Whelpley, at 217-789-4632 or rwhelpley@imea.org.



ILLINOIS MUNICIPAL ELECTRIC AGENCY ELECTRIC EFFICIENCY PROGRAM

APPLICATION CHECKLISTS

Pre-Approval Application Checklist

Pre-Approval Application must include:

- Completed Pre-Approval Application
- Copy of applicant's electric bill
- Signed Certification (page 9)
- Manufacturer spec sheets
- Applicable Lighting*, HVAC, Motors and/or Refrigeration Standard Incentive Worksheet(s) or Custom Incentive Application
- Schedules supporting any calculated "connected watt reductions" or "connected watts controlled" claimed on the lighting worksheet (page 11) (Note: These schedules are generated by the applicant.)
- A schedule showing the calculation of the estimated annual kWh savings attributable to the project (Note: This schedule is generated by the applicant.)
- A schedule showing the estimated kW reduction attributable to the project at time of city peak. Assume the city peaks in summer at 4:00 p.m. to 5:00 p.m. on a week day. (Note: This schedule is generated by the applicant. This schedule is required for all applications, whether or not the applicant is seeking the peak shaving bonus.)
- A schedule showing the estimated kVar reduction attributable to the project or showing how the Power Factor will improve to .95 or better. (Note: This schedule is generated by the applicant. This schedule is only required for those applicants wishing to apply for the power factor correction bonus. See page 6 and Appendix D, pages 26-27.)
- A project budget
- For lighting projects, submit a Light Survey*

Final Application Checklist

Final Application must include:

- Completed Final Application
- Signed Certification (page 9)
- Manufacturer spec sheets, unless submitted with Pre-Approval or if equipment updated
- Updated Lighting, HVAC, Motors and/or Refrigeration Standard Incentive Worksheet(s) or Custom Incentive Application
- Updated Schedules supporting any calculated "connected watt reductions" or "connected watts controlled" claimed on the lighting worksheet (page 11) (Note: These schedules are generated by the applicant.)
- Updated schedules showing annual kWh savings, kW peak reduction and/or kVar reduction (or Power Factor improvement) attributable to the project.
- Invoices and receipts
- For lighting projects, submit a Final Light Survey*
- "Before" and "after" images, if requested by Program Administrator NA

*Light Survey for **new fixtures** to include: room/area, quantity of existing fixtures, description and wattage of existing fixtures, quantity of new fixtures, description and wattage of new fixtures.

*Light Survey for all lighting **retrofits** to include: room/area, quantity, description of existing fixtures, number of lamps in existing fixtures and number of lamps in retrofit fixtures. Lamp total shall match number of lamps indicated in the Lighting Incentive Worksheet.

*Light Survey for Occupancy Sensors to include: room/area, wattage of fixtures controlled.

APPENDIX A: APPLICATION FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Check one: Pre-approval Final Application

Name of Applicant: <i>PROFESSIONAL METAL WORKS, LLC</i>		
Proposed Start Date: <i>8/1/13</i>	Planned Completion Date: <i>8/30/13</i>	
Address where measures installed, if different from authorized signature address on page 9: (Attach list if multiple locations)		
Address: <i>9 INDUSTRIAL DRIVE FREEBURG</i>	City: <i>FREEBURG</i>	Zip: <i>62243</i>
Project Manager: <i>DENNIS KAISER</i>		
Telephone #: <i>618-539-2214</i>	Fax #: <i>618-539-2216</i>	Email Address: <i>D.KAISER@PMWFAB.COM</i>
IMEA Electric Efficiency Incentive Requested** \$ <u><i>2,709</i></u> (From EE measures – sum of totals on pages 11, 15, 16, 19, 22 and from Appendices C, as applicable) + \$ <u><i>542</i></u> (Peak shaving bonus – see page 6 and Appendix D) + \$ _____ (Power factor bonus – see page 6 and Appendix D) = \$ <u><i>3,251</i></u>		Contractor Information (if known) Contact Name: Company: Phone: Email Address:
Other Public Incentive Funds \$ _____		
Specify Other Public Funds ***		
Total Project Cost**** \$ <u><i>7,478.30</i></u>		

Complete this form along with the all required ancillary schedules, budgets, spec sheets, utility bills.

*Applicant means a customer receiving wholesale electric service from IMEA or electric service from an IMEA Member utility.
 ** Incentive cannot exceed 75 percent of total project cost. Incentives from IMEA and other incentive programs cannot exceed 100% of total project cost.
 ***Such as Energy Efficiency and Conservation Block Grant (EECBG), Illinois Clean Energy Community Foundation (ICECF).
 ****Total Project Cost = Equipment + Labor + Engineering & Design. A project budget must accompany the application.

APPLICANT CERTIFICATIONS FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Applicant hereby certifies that:

- The project receives wholesale electric service from IMEA or electric delivery service from an IMEA member municipality or power purchaser.
- 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).
- I understand that the Illinois Prevailing Wage Act (820 ILCS 130/0.01) may apply and that Grantees 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.

Dennis J. Kaiser
Authorized Official (signature*)

618-539-2214
Telephone

DENNIS J. KAISER
Typed/Printed Name

618-539-2216
Fax

MEMBER MANAGER 8/30/13
Title Date

20-1258126

FEIN Number (9 digits, Federal Employment Id Number, does not start with "E") Applicant

Dennis J. Kaiser 9 INDUSTRIAL DRIVE
Authorized Signature Address

Dennis J. Kaiser FREEBURG, IL 62243
Authorized Signature City, 9 Digit Zip (find 9-Digit Zip at <http://zip4.usps.com/zip4/welcome.jsp>)

Dennis J. Kaiser DKAISER@PMWFAB.COM
Authorized Signature E-mail Address

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

APPENDIX C: APPLICATION FOR CUSTOM INCENTIVE PROGRAM

Facility Type

The project will be (please check all that apply):

Part of new facility

Addition to existing facility

Replacement for existing equipment

Is equipment operational?

Yes

No

Project Description

Replace 42 MHs with 42 OEO 180 'Giant CFL' lamps.

(See Specs and e-mails)

Existing Equipment: Describe existing equipment and current operation strategy (i.e., operating hours, efficiency, etc.)

MH that use 458 W, they burn 2,500 hrs. per year (all lights are on at city park)

(See Specs and e-mails)

Proposed Equipment: Describe proposed equipment and current operation strategy (i.e., operating hours, efficiency, etc.)

See Specs

Giant CFLs that use 200 W

Calculation Method: Briefly describe the method used to calculate annual electric energy savings in kWh (attach documentation if available.)

Watt Savings = $458 - 200 = 258 \text{ W}$ or $.258 \text{ kW/bulb}$

$.258 \text{ kW} \times 42 \text{ bulbs} \times 2,500 \text{ hr/year} = 27,090 \text{ kWh/year savings}$

(See Specs and e-mails)

Total Project Cost (Dollars): _____

Expected Measure Life (Years): _____

Annual Electric Savings (kWh): 27,090

Estimated Annual Electric Savings (Dollars): _____

Payback* $\frac{\text{Total Project Costs}}{\text{Estimated Annual Electric Savings}}$: _____

Incentive Amount* (Dollars): $27,090 \times .10 = \$2,709$

* Incentive amounts are up to 75% of total project costs. The incentive is \$.10 per annual kWh saved, unless otherwise noted. For New Technology Exterior Lighting (LEDs, Induction, Plasma, etc.) projects, Smart Grid, distribution upgrades, and power factor correction, the incentive amount equals 30 cents per annual kWh saved in year one. VSD motors incentive amounts are up to 75% of total project cost. Geothermal units shall receive \$1,000 per ton.

Rodd Whelpley

From: Dennis Kaiser [dkaiser@pmwfab.com]
Sent: Wednesday, August 28, 2013 2:50 PM
To: Rodd Whelpley
Subject: Fw: Wattage Comparisons
Attachments: OEO 180 Tech Specs.pdf

Rodd,
Here is some more information from our bulb supplier.

Dennis J. Kaiser

Professional Metal Works, LLC
9 Industrial Drive
Freeburg, IL 62243
Tel: 618-539-2214 * Fax: 618-539-2216
dkaiser@pmwfab.com

From: Greg Amick
Sent: Wednesday, August 28, 2013 2:38 PM
To: 'Dennis Kaiser'
Subject: Wattage Comparisons

Hi Dennis,

Just to confirm:

1. Your old metal halide and ballast combination consumed somewhere around 458 watts (the exact calculation varies by utility but it's generally in the 455 – 465 range. We use 458 watts for modeling purposes.)
2. Your new OEO180 lamp coupled with your existing ballast will consume 200 watts. (180 watt lamp plus 20 watts for the ballast.)

Also, just in case you need it, attached is the OEO180 spec sheet.

Thanks and please let me know if you need anything else for the application.

Greg
OEO Energy Solutions
800-553-2112 x221

Rodd Whelpley

From: Dennis Kaiser [dkaiser@pmwfab.com]
Sent: Wednesday, August 28, 2013 1:13 PM
To: Rodd Whelpley
Subject: Electric Efficiency Project Reimbursement
Attachments: AR-M257_20130828_132008.pdf

Categories: Red Category

Total Project budget

Hi Rodd,

We spoke a couple months back regarding this. We have now replaced all 42 bulbs. Can you please advise what our next steps are to get reimbursement? This is a breakdown of material, installation and lift with basket to replace the bulbs.

*Bulbs	5,766.30
*(we did work on Saturday which is overtime to avoid disrupting the shop)	
Shop rate 75.00 per hour + 22.00 for overtime = 97.00 per hour x 2 men =	1,552.00
Lift with man basket x 1 day.	<u>160.00</u>
Total	\$7,478.30

Please advise the next steps. Invoices from OEO attached. Thank you.

Dennis J. Kaiser

Professional Metal Works, LLC
9 Industrial Drive
Freeburg, IL 62243
Tel: 618-539-2214 * Fax: 618-539-2216
dkaiser@pmwfab.com



Energy Solutions
 143 E. Main Street, Suite 150
 Lake Zurich, IL 60047

Invoice

Date	Invoice #
8/3/2013	2241

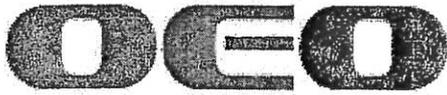
Bill To
Professional Metal Works Dennis J Kaiser 9 Industrial Drive Freeburg, IL 62243

Ship To
Professional Metal Works Dennis J Kaiser 9 Industrial Drive Freeburg, IL 62243

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
A10274	MasterCard	GA	8/7/2013	Fedex Ground		
Quantity	Item Code	Description			Price Each	Amount
6	OEO 180 NB	OEO Big Light 400 W Replacement 5000K NB Thank you for your patience on this backordered item. MC auth#: 05245E (product) MC auth#: 03768E (sales tax)			129.00	774.00T
Thank you for your business.						Subtotal \$774.00 Sales Tax (7.5%) \$58.05 Total \$832.05 Payments/Credits -\$58.05 Balance Due \$774.00
Fax# 847-438-9208	Phone: 847-438-9159	www.oeo.com	800-553-2112			

~~\$ 832.05~~
~~4992.30~~

 5824.35



Energy Solutions
 143 E. Main Street, Suite 150
 Lake Zurich, IL 60047

Invoice

Date	Invoice #
8/14/2013	2314

Bill To

Professional Metal Works
 Dennis J Kaiser
 9 Industrial Drive
 Freeburg, IL 62243

PAID
 08/14/2013

Ship To

Professional Metal Works
 Dennis J Kaiser
 9 Industrial Drive
 Freeburg, IL 62243

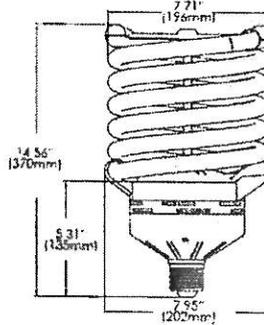
P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
A10332	MasterCard	GA	8/15/2013	Standard		
Quantity	Item Code	Description			Price Each	Amount
36	OEO 180 NB	OEO Big Light 400 W Replacement 5000K NB MC auth#: 07679E QW Express BOL NO: CGO20241MG			129.00	4,644.00T
Thank you for your business.					Subtotal	\$4,644.00
Fax# 847-438-9208	Phone: 847-438-9159	www.oeo.com	800-553-2112	Sales Tax (7.5%)	\$348.30	
					Total	\$4,992.30
					Payments/Credits	-\$4,992.30
					Balance Due	\$0.00



www.oeo.com TEL: (800)-553-2112 143 E. Main St. Lake Zurich, IL.

Energy Solutions

Big Light



5000K

Visual Color Temp.

Soft White

Bright White

Daylight

A Smart Green Solution for Replacement of Metal Halide Lamps

The OEO 180 is a direct replacement for 400 watt metal halide lamps. Simply screw the OEO 180 into the fixture with no need to bypass the ballast. It works with any building line voltage from 120v to 480v and anything in between, as long as you are using a functioning E-39 mogul metal halide ballast. This includes 347v for Canada. The OEO 180 is also energy efficient. Each lamp is 180 watts which dramatically cuts your energy consumption. Additional advantages against a regular metal halide are higher lumen maintenance, instant start up and restrike, no color change, better color temperature, higher color rendition index (CRI), and cooler running temperature.

400W Metal Halide Replacement

Features and Benefits

Note: Will not work with electronic ballast

Note: Will work without ballast on 277V power

Note: Available in a shatter proof coating

- Direct replacement for Metal Halide & Pulse Start Lamps
- Instant start-up and restrike
- Less than 15% lumen depreciation
- Better color rendition (84)
- No change in lamp color
- 90% less heat than Metal Halide Lamps
- 18 month warranty
- UL & CUL listed and approved

Watts	180W
Lamp Tube Type	Twin Spiral 0.78" Dia.
Main Voltage Scope	260-325V
Input Current	650mA
Main Frequency	60Hz
Power Factor	>0.9
Lumens	12,600LM
Scotopic Lumens	24,696LM
Lumen Per Watts	70LPW
Color Temperature	5000K
CRI	84
Ideal Temperature	32-113 Deg. F
Starting Temperature	0-135 Deg. F
Base	E-39
Life	15,000 hours