

STATE OF INDIANA

FILED

INDIANA UTILITY REGULATORY COMMISSION

July 26, 2017

PETITION OF INDIANA MICHIGAN POWER)
 COMPANY, AN INDIANA CORPORATION, FOR)
 (1) AUTHORITY TO INCREASE ITS RATES AND)
 CHARGES FOR ELECTRIC UTILITY SERVICE)
 THROUGH A PHASE IN RATE ADJUSTMENT; (2))
 APPROVAL OF: REVISED DEPRECIATION)
 RATES; ACCOUNTING RELIEF; INCLUSION IN)
 BASIC RATES AND CHARGES OF QUALIFIED)
 POLLUTION CONTROL PROPERTY, CLEAN)
 ENERGY PROJECTS AND COST OF BRINGING)
 I&M'S SYSTEM TO ITS PRESENT STATE OF)
 EFFICIENCY; RATE ADJUSTMENT MECHANISM)
 PROPOSALS; COST DEFERRALS; MAJOR)
 STORM DAMAGE RESTORATION RESERVE)
 AND DISTRIBUTION VEGETATION)
 MANAGEMENT PROGRAM RESERVE; AND)
 AMORTIZATIONS; AND (3) FOR APPROVAL OF)
 NEW SCHEDULES OF RATES, RULES AND)
 REGULATIONS.)

INDIANA UTILITY
REGULATORY COMMISSION

CAUSE NO. 44967-NONE

**SUBMISSION OF DIRECT TESTIMONY OF
KURT C. COOPER**

Petitioner, Indiana Michigan Power Company (I&M), by counsel, respectfully submits the direct testimony and attachments of Kurt C. Cooper in this Cause.



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CERTIFICATE OF SERVICE

The undersigned certifies that the foregoing was served upon the following via electronic email, hand delivery or First Class, or United States Mail, postage prepaid this 26th day of July, 2017 to:

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INDIANA MICHIGAN POWER COMPANY

PRE-FILED VERIFIED DIRECT TESTIMONY

OF

KURT C. COOPER

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**PRE-FILED VERIFIED DIRECT TESTIMONY OF KURT C. COOPER
ON BEHALF OF
INDIANA MICHIGAN POWER COMPANY**

1 **Q. Please state your name and business address.**

2 A. My name is Kurt C. Cooper, and my business address is Indiana Michigan Power
3 Center, P.O. Box 60, Fort Wayne, Indiana 46801.

4 **Q. By whom are you employed and in what capacity?**

5 A. I am employed by Indiana Michigan Power Company (I&M or Company) as a
6 Regulatory Consultant Principal in the Regulatory Services Department.

7 **Q. Please briefly describe your educational and professional experience.**

8 A. I received a Bachelor of Science Degree in Management from Indiana Wesleyan
9 University in 2007 and an Associate in Applied Science Degree in Electrical
10 Engineering Technology from Indiana Vocational Technical College in 1986. I
11 joined I&M in 1994 as a Customer Design Technician in the Engineering
12 Department and was promoted to Customer Design Supervisor for I&M's
13 Michigan service area in October 2001. I accepted a supervisory position in the
14 Meter Revenue Operations Department in 2004 and then joined I&M's
15 Regulatory Services Department in 2010. There I was promoted to my current
16 position as a Regulatory Consultant Principal in 2017.

17 **Q. What are your responsibilities as a Regulatory Consultant Principal?**

18 A. I support a variety of regulatory functions including reports, tariff application and
19 interpretation, complaint resolution, and regulatory filings.

20 **Q. Have you previously submitted testimony in any regulatory proceedings?**

21 A. Yes. I have submitted testimony to the Michigan Public Service Commission in
22 Case No. U-18370, I&M's recent base case filing; in Case No. U-14409, I&M's

1 complaint regarding violations of Rule 411 (service territory rules); and in Case
2 No. U-15496, an investigation into the disconnection of electric service of an I&M
3 customer in Vicksburg, Michigan.

4 **PURPOSE OF TESTIMONY**

5 **Q. What is the purpose of your testimony in this proceeding?**

6 A. The purpose of my testimony is to sponsor all modifications to the Company's
7 Tariff Book, including:

- 8 • The introduction of a service territory map and a new Abbreviation, Technical
9 Terms, and Definitions Section.
10 • Modifications to I&M's Terms and Conditions of Service.
11 • Proposed Tariff changes.

12 Company witness Nollenberger supports all other tariff rate changes, including
13 the Company's proposed rate design of its tariffs.

14 **Q. Are you sponsoring any attachments in this proceeding?**

15 A. Yes. I am sponsoring the following attachments:

- 16 • Attachment KCC-1: The Tariff Book Cover Page, Localities I&M serves
17 including a new service territory map, Table of Contents, and a new list of
18 Abbreviations, Technical Terms, and Definitions.
19 • Attachment KCC-2: Proposed modifications to I&M's Terms and Conditions
20 of Service.
21 • Attachment KCC-3: Proposed modifications to I&M's Tariffs including a new
22 Renewable Energy Option, Resource Adequacy Rider and a Phase-In Rate
23 Adjustment.

24 **Q. Were the attachments that you are sponsoring prepared by you or under
25 your direction?**

26 A. Yes.

1 **SERVICE TERRITORY MAP & TERMINOLOGY SECTION**

2 **Q. Why is the Company proposing to add a service territory map to its Tariff**
3 **Book?**

4 A. The proposed service territory map, as shown in Attachment KCC-1, is designed
5 to help readers identify the general contours of Company's service area and
6 provide a visual reference for Company employees to assist in answering basic
7 territory questions. A similar territory map has been used in I&M's Michigan
8 Tariff Book and has proven to be a useful tool. In most cases, the detail level of
9 the map will not be sufficient to determine specific boundary locations and
10 customers are still required to contact the Company to verify service provider.

11 **Q. Why is the Company proposing to add a new Abbreviations, Technical**
12 **Terms, and Definitions Section?**

13 A. The Abbreviations, Technical Terms, and Definitions Section, as shown in
14 Attachment KCC-1, clarifies the meaning of many of the acronyms, technical
15 terms, and other utility-related terms used throughout the Tariff Book. This
16 Section is designed to help readers understand and use the Tariff Book.

17 **CHANGES TO I&M'S TERMS & CONDITIONS OF SERVICE**

18 **Q. Please summarize the Company's proposed modifications to its Terms and**
19 **Conditions of Service.**

20 A. The Company's proposed modifications to its Terms and Conditions of Service are
21 identified in Attachment KCC-2 by underlines for additions and strikethroughs for
22 deletions. The proposed modifications are intended to either clarify an existing
23 term or Company policy or to propose a more appropriate application of an existing

1 practice. The clarifications will benefit customers by better explaining the
2 expectations and obligations of both the Company and its customers. The primary
3 proposed modifications include:

- 4 • Setting an appropriate level of interest to be earned on deposits held for more
5 than twelve months.
- 6 • Modifying nonresidential deposit language to incorporate customer credit
7 scores.
- 8 • Revising our procedure for disconnecting customers who have threatened
9 Company employees.
- 10 • Clarifying language to bring further definition as to when specific Service,
11 Disconnect, and Reconnect Charges will be applied to a customer account.
- 12 • Clarifying that the Company must take outages occasionally for reasons of
13 safety, maintenance, and construction.
- 14 • Clarifying when charging from Plug-in Electric Vehicle (PEV) public charging
15 stations or Electrical Vehicle Supply Equipment (EVSE) is considered a sale for
16 resale.
- 17 • Clarifying language regarding the duration of temporary service.

18 I discuss each of these changes below.

19 **Q. Please explain I&M's request to change the deposit interest rate in the**
20 **Terms and Conditions of Service No. 4.**

21 A. Customer deposits held for more than twelve months currently earn interest at a
22 rate of six percent, which is approximately eleven times above current market
23 interest rates. The Commission's rule governing interest on customer deposits
24 (170 IAC 4-1-15(f)) provides that the interest rate will be six percent or such other
25 rate as the Commission may determine following a public hearing. The Company
26 believes that an interest rate calculated annually based on the average of the daily
27 rate of one-year Treasury Bills for the third quarter of the previous year is a more

1 reasonable interest rate for customer deposits. Utilizing this method would have
2 produced an interest rate of 0.55% paid on deposits during 2017. To implement,
3 the Company proposes that no later than November 1 of each year, the Company
4 will make a 30-day filing under 170 IAC 1-6 to update the fixed annual interest rate
5 to be used during the next calendar year. This proposal strikes a fair balance
6 between providing for a reasonable rate of return to the customer for deposits being
7 held and the cost incurred and subject to I&M's cost of electric service.

8 **Q. What changes is the Company proposing to its Terms and Conditions of**
9 **Service No. 4 relating to nonresidential deposits?**

10 A. The Company is proposing to change its Terms and Conditions of Service so that
11 the Company may require a nonresidential customer to provide a deposit if the
12 customer is not creditworthy. Under the Company's proposal, which is reflected
13 on Attachment KCC-2, a customer may be considered creditworthy if (1) "the
14 customer has paid all of its electric bills on or before the scheduled due date for
15 the last twenty four months" *and* (2) "generally accepted credit matrices (such as
16 Dunn & Bradstreet, Moody's, Standard & Poor's, Value Line, and / or Equifax), as
17 interpreted by the Company, indicate that the customer has a strong likelihood of
18 meeting its obligations."

19 **Q. Why is I&M proposing this change to the nonresidential deposit language?**

20 A. Under I&M's current tariff, I&M can require a deposit from existing commercial and
21 industrial customers only if the customer has been mailed disconnect notices during
22 two consecutive or any three months in the preceding twelve-month period. This
23 methodology for determining security deposits does not provide enough protection

1 from the risk of unpaid bills if a customer goes out of business or files for
2 bankruptcy protection. Large commercial and industrial customers typically have
3 the highest monthly charges for electric service of any customer class. As a result,
4 commercial or industrial customer bills that go unpaid because of business closure
5 or bankruptcy can result in significant charge-offs that are ultimately reflected in the
6 Company's cost of serving all other customers.

7 A more appropriate means of determining security deposits for commercial
8 and industrial customers should look not only at whether the customer is paying its
9 bills on time, but also whether the customer is creditworthy according to generally
10 accepted credit matrices provided by Standard and Poor's; Moody's; Fitch, Dun
11 and Bradstreet; and other nationally recognized rating companies. Because I&M
12 must bill its customers in arrears (i.e., I&M first renders service, then issues a bill),
13 I&M is extending credit to all customers that lack a deposit. Extending credit to a
14 customer that is not creditworthy creates a significant risk of nonpayment.
15 Therefore, it is prudent to require a deposit from customers who lack sufficient
16 creditworthiness according to generally accepted credit matrices.

17 **Q. Are on-time payments sufficient evidence that a commercial or industrial**
18 **customer is creditworthy?**

19 **A.** No. On-time payments alone are not a sufficient indicator of whether a commercial
20 or industrial customer is about to go out of business or file for bankruptcy
21 protection. For instance, in 2009, a large customer that I&M serves filed for
22 bankruptcy protection. At the time it filed, the customer was current on its
23 payments to I&M. Yet the customer still filed for bankruptcy, and the pre-petition

1 debt for service rendered to the customer by I&M was more than \$321,000.
2 Another example comes from our sister operating company, Appalachian Power
3 Company (APCo). In APCO's service territory, a large industrial company filed for
4 bankruptcy in 2012. Even though the customer was current in its payments, APCo
5 lost \$5.6 million dollars in that bankruptcy, most of which eventually was put back
6 into rates. That customer was not deemed creditworthy by the credit companies
7 prior to the bankruptcy even though it had a good payment history. This same
8 customer went bankrupt again three years later, after APCo instituted new deposit
9 policies based on credit ratings and not on payment histories, and APCo lost
10 nothing in the bankruptcy.

11 **Q. Please explain the risk associated with uncollectible accounts subject to**
12 **bankruptcy and how deposits mitigate that risk.**

13 A. Under federal bankruptcy law, all amounts owed I&M when the customer files for
14 bankruptcy are deemed a "pre-petition debt." In most instances, the pre-petition
15 debt, even for customers who are current on their payments on the date of their
16 bankruptcy filing, is very near to the equivalent of sixty days billing. It is my
17 understanding that bankruptcy law neither allows the customer to pay, nor the
18 utilities to accept payment toward, the pre-petition debt once the customer files for
19 bankruptcy protection. The utility reads the meters, closes the accounts, produces
20 a final bill for all billed and unbilled charges for electric use up to that time, and files
21 a proof of claim for that amount. Utilities are considered to be "unsecured" creditors
22 that receive payments toward pre-petition debt only if there are funds left over after
23 the "secured" creditors are paid, which funds are then split among all unsecured

1 creditors. As a result, utilities often end up receiving nothing or virtually nothing on
2 their claims and charging off most, if not all, of the pre-petition debt, which
3 ultimately increases the cost of serving all other customers.

4 However, if utilities have deposits or other types of account security
5 coverage on the pre-petition accounts, those funds can be applied toward the pre-
6 petition debt, reducing or eliminating the charge off. For this reason, it is important
7 for utilities to have deposits for accounts that have non-investment grade credit
8 ratings or are at a higher risk of experiencing financial difficulty or filing for
9 bankruptcy protection.

10 Exposure of loss by bankruptcy to the utility for a customer that is current on
11 its bills comes from charges for any unbilled electric use, which is billed in arrears,
12 as well as any current unpaid bill that is not due yet. As you can see, for large
13 commercial and industrial customers, the loss even for a customer that is current
14 on its bills can be substantial if the utility is not properly secured. It is appropriate to
15 require deposits from large commercial and industrial customers that are deemed
16 not creditworthy by these nationally recognized rating companies and not on
17 payment history alone.

18 **Q. What changes is the Company proposing to its Terms and Conditions of**
19 **Service No. 5 relating to remote disconnection?**

20 A. The Company is seeking a revision to its process so that it can remotely disconnect
21 customers who have made threats or engaged in violence against Company
22 employees.

1 **Q. Is there an IURC regulation that addresses what an electric utility employee is**
2 **to do when making a disconnection of service?**

3 A. Yes. The rule was written at a time when the existing technology required an
4 employee physically to enter the customer's property to make the disconnection,
5 and the rule establishes procedures designed to avoid confrontation with a
6 customer who may not be aware why the employee is on the premises. 170 IAC 4-
7 1-16(f) provides:

8 (f) Immediately preceding the actual disconnection of service, the
9 employee of the utility designated to perform such function shall:

10 (1) make a reasonable attempt to identify himself or herself
11 to the customer or any other responsible person then upon
12 the premises;

13 (2) announce the purpose of his or her presence;

14 (3) make a record thereof to be maintained for at least thirty
15 (30) days;

16 (4) have in his or her possession information sufficient to
17 enable him or her to inform the customer or other
18 responsible person the reason for disconnection, including
19 the amount of any delinquent bill of the customer; and

20 (5) request the customer for any available verification that
21 the outstanding bill has been satisfied or is currently in
22 dispute pursuant to review.

23 Upon the presentation of such credible evidence, service shall not
24 be disconnected. The employee shall not be required to accept
25 payment from the customer, user, or other responsible person in
26 order to prevent the service from being disconnected. The utility
27 shall notify its customers under section 18 of this rule of its policy
28 with regard to the acceptance or nonacceptance of payment from
29 such employee and shall uniformly follow such policy without
30 discrimination. When the employee has disconnected the service,
31 the employee shall give to a responsible person at the user's
32 premises or, if no one is at home, shall leave at a conspicuous
33 place on the premises, a notice stating that service has been

1 disconnected and stating the address and telephone number of the
2 utility where the user may arrange to have service reconnected.

3 **Q. What is the Company proposing?**

4 A. With modern technology, it is not necessary for an employee to physically enter a
5 customer's property to make a disconnection, and so much of the purpose
6 behind the rule (avoiding conflict between a confused customer and our
7 employee) can be avoided by performing the disconnection remotely. We are
8 proposing in those circumstances where the specific customer has previously
9 threatened our employees to disconnect service remotely. We will then modify
10 our procedures so as to comply with the rule while recognizing that the employee
11 will not physically be in the presence of the customer.

12 **Q. Why is the Company proposing this change?**

13 A. Employee safety. Company employees can experience threats and sometimes
14 even physical abuse while performing their daily work. This occurs most
15 frequently when a Company employee is disconnecting service. Customers can
16 be abusive or threatening when talking to Company personnel on the phone or
17 when an employee shows up at the site to perform work. For example,
18 customers have threatened physical harm to I&M employees; customers have
19 released vicious dogs when an employee is attempting to perform his or her
20 work; customers have brandished weapons; and customers have engaged in
21 physical altercations with employees. When this occurs, the Company typically
22 will ask the local police department to provide an officer to escort the I&M
23 employee on the property. Even when police are at the site, however, some
24 customers continue to be abusive both to the police officer and to the Company

1 employee. By remotely disconnecting customers who have made threats or
2 engaged in violence against Company employees, the Company will remove its
3 employees and law enforcement from these potentially dangerous situations.

4 **Q. Is the Company proposing this change in procedures for all customers?**

5 A. No. The Company is only seeking to disconnect remotely those customers who
6 have made threats or engaged in violence against Company employees. The
7 Company will continue to provide on-site notice to all other customers.

8 **Q. How is the Company proposing to modify its procedures so as to comply
9 with the rule you previously quoted?**

10 A. As I indicated, the rule was written at a time when remote disconnection was not
11 physically possible, and its purpose is to minimize confrontations between
12 customers and our employees when our employee is standing on the customer's
13 property to make a disconnection. The rule requires our employee to make a
14 "reasonable" attempt to identify him or herself and announce his or her purpose.
15 When the customer has already threatened Company personnel in the past, no
16 attempt for our employee to enter the customer's property for purposes of engaging
17 the customer in dialogue is "reasonable." Indeed, engaging in a face-to-face
18 meeting between the customer and our employee would run counter to the very
19 purpose of the rule. Accordingly, our process will change so that we will attempt to
20 contact the customer by telephone immediately prior to the disconnection. If we
21 cannot reach the customer by telephone, we will attempt to leave a message
22 stating that service has been disconnected and stating the address and telephone
23 number the customer may contact to make arrangements to have service

1 reconnected. We will maintain a record of our reason for using this remote
2 disconnection process for this particular customer and our telephone contacts that
3 are made for at least thirty days. The person placing the call will have sufficient
4 information to inform the customer of the reasons for the disconnection (including
5 the amount of any delinquent bill). The person will also have real-time access to
6 our Customer Information System to confirm that no payment has been made or
7 that a dispute is underway. Accordingly, subsection (f)(5)'s procedure for verifying
8 any claims that the reason for disconnection has been resolved can be immediately
9 addressed. By using this telephone contact process for those customers who pose
10 a danger, we will have complied with subsection (f)'s requirements and purposes.

11 **Q. Is the Company asking for anything else related to remote disconnection?**

12 A. As described above, the Company's proposal to remotely disconnect customers
13 who have made threats or engaged in violence against Company employees
14 comports with 170 IAC 4-1-16(f). However, in the event the Commission concludes
15 that a limited waiver of 170 IAC 4-1-16(f) is necessary to implement the Company's
16 proposal, the Company would request such a limited waiver for the reasons
17 discussed above.

18 **Q. What changes is the Company proposing to its Terms and Conditions of**
19 **Service No. 6 relating to service, disconnect, and reconnect charges?**

20 A. The Company is adding language to this section that provides the specific
21 situations when the fee can be charged.

1 **Q. Why is the Company proposing these changes?**

2 A. The proposed language changes are needed to better clarify that the charges in
3 this section are applicable to customer disconnection and reconnection *requests* as
4 well as disconnection and reconnections for nonpayment. Additionally, language
5 was added to better clarify that charges may be applied when the customer has
6 scheduled work and the Company learns upon arrival to the customer site that the
7 customer is not ready for the Company to complete its work.

8 **Q. What changes is the Company proposing to its Terms and Conditions of**
9 **Service No. 11 relating to the Company's liability?**

10 A. The Company is adding language to state situations when outages will need to be
11 taken.

12 **Q. Why is the Company proposing these changes?**

13 A. The language added to Section 11 of the Company's Terms and Conditions of
14 Service is meant to clarify for customers that situations occasionally arise where the
15 Company must schedule temporary outages for reasons of health, safety,
16 maintenance of Company facilities, infrastructure improvements, and new
17 construction of Company facilities. The Company does not schedule such outages
18 unless the situation requires us to do so. In these situations, the Company will try
19 to accommodate concerns expressed by customers, although such outages
20 typically affect multiple customers and it may be impossible to accommodate all
21 expressed concerns. For such outages, to the extent possible, the Company will
22 make a reasonable attempt to inform all affected customers in advance of such
23 events. Typically, Customer Service representatives contact larger managed

1 accounts personally and an automated phone dialer provides a pre-recorded
2 message to affected residential customers.

3 **Q. What changes is the Company proposing to its Terms and Conditions of**
4 **Service No. 17 relating to EV charging stations?**

5 A. The Company proposes to change Section 17 of its Terms and Conditions of
6 Service, Use of Energy by Customer, to allow the limited resale of energy for
7 electric vehicle charging service and to clarify that, as long as a provider of a
8 publically accessible Electrical Vehicle Supply Equipment (EVSE) device for the
9 purpose of fueling a plug-in electric vehicle does not charge for such service on a
10 per kilowatt-hour basis, the Company will not view such resale of energy as a
11 sale for resale.

12 **Q. Why is the Company proposing this change?**

13 A. The Company desires to support and encourage an expanded use of electric
14 vehicles, and one way to do this is to encourage the availability of public charging
15 stations. By clarifying that the Company will not view a publically accessible
16 EVSE that charges for such service (that are not on a per kWh basis) as a sale
17 for resale, the Company believes that providers will be more likely to install
18 EVSE.

19 **Q. What changes is the Company proposing to its Terms and Conditions of**
20 **Service No. 19 relating to temporary service installations?**

21 A. The Company proposes to strike language in the current Terms and Conditions
22 of Service that limit temporary service to twelve months duration.

1 **Q. Why is the Company proposing this change?**

2 A. While most construction projects are completed within a twelve-month period,
3 larger projects often exceed twelve months. The removal of this language
4 limiting temporary service to twelve months allows the Company to operate
5 within its own Terms and Conditions of Service when it receives requests for
6 temporary service for large construction projects that will last longer than twelve
7 months.

8 **CHANGES TO I&M'S EXISTING TARIFFS AND RIDERS**

9 **Q. Is the Company proposing modifications to any existing tariffs or riders?**

10 A. Yes. The modifications to the Company's tariffs are indicated in Attachment
11 KCC-3 by underlines for additions and strikethroughs for deletions. Many of the
12 modifications clarify existing tariff components or provide more specific tariff
13 application information. The major proposed revisions to the Company's tariffs
14 are:

- 15 • Clarifying language regarding residential three-phase service.
- 16 • Adding PEV charging as qualifying equipment under Tariff R.S.-OPES
17 (Residential Off-Peak Energy Storage).
- 18 • Increasing the availability of Tariff G.S – TOD (General Service – Time-of-
19 Day) from 1,500 to 2,000 customers.
- 20 • Modifying Tariff O.L. (Outdoor Lighting) to clarify customer obligations
21 regarding the location of outdoor lights.
- 22 • Adding a provision to Tariff E.C.L.S. (Energy Conservation Lighting Service)
23 to make it available to otherwise non-qualifying customers with the permission
24 of the relevant qualifying customer.
- 25 • Modifying Tariff S.L.C. (Streetlighting-Customer-Owned System) to eliminate
26 the Company's responsibility to maintain customer-owned lamps with
27 renewals of lamps and cleaning and replacement of glassware.

1 • Adding a sunset provision under Rider Alternate Feed Service (AFS) for
2 customers that receive an alternate feed service from the Company and are
3 not covered under an AFS contract.

4 • Modifying most I&M riders language for consistency and clarity.

5 I discuss each of these changes below.

6 **Q. What change is the Company proposing for its Tariff R.S. on Original Sheet**
7 **No. 4?**

8 A. The Company is proposing to add a statement that limited three-phase service is
9 available to a customer under this tariff.

10 **Q. Why is the Company proposing to add an option for three-phase service**
11 **under Tariff R.S.?**

12 A. The Company's current residential service tariffs limit service to single-phase
13 service. However, there are some circumstances where three-phase service
14 may provide a better option for residential service – for example, in certain
15 apartment building complexes, high-rise buildings with residential units, and
16 similar applications. In such cases, the Company will work with the developer to
17 determine the type of service that best meets the needs of customers, the
18 developer, and the Company.

19 **Q. What change is the Company proposing to Tariff R.S.-OPES on Original**
20 **Sheet No. 5?**

21 A. The Company is proposing to add PEV as qualifying equipment under Tariff R.S.-
22 OPES and to rename the tariff as "Tariff R.S.-OPES/PEV."

23 **Q. Why is the Company proposing this change?**

24 A. I&M's approved Tariff R.S.-OPES (Residential Off-Peak Energy Storage) is a
25 time-of-use (TOU) rate that is currently available to residential customers who

1 use energy storage devices with time-differentiated load characteristics, such as
2 electric thermal storage space-heating equipment and water heaters, which
3 consume electrical energy primarily during off-peak hours.

4 While Tariff R.S.-TOD provides PEV owners one TOU pricing option, Tariff
5 R.S.-TOD may not be the best option for all PEV owners because it meters *all*
6 residential usage on a TOU basis. Adding PEV charging as qualifying equipment
7 under Tariff R.S.-OPES would provide PEV owners a second TOU option: Under
8 Tariff R.S.-OPES, the customer's PEV charging would be metered under the
9 TOU pricing, but his or her remaining residential usage would be metered under
10 standard use. This is consistent with the Commission's Order in Cause No.
11 44075, which explained (at page 132) that the Commission "support[s] the
12 changes to Petitioner's tariff R.S.-OPES to allow use by owners of electric
13 vehicles."

14 Just as with energy storage devices already included as qualifying
15 equipment under Tariff R.S.-OPES, adding PEV charging as qualifying
16 equipment will provide the customer access to TOU pricing for PEV charging
17 while not requiring a major adjustment of all other electrical energy usage. The
18 proposal includes renaming the tariff as Tariff R.S. – OPES/PEV.

19 **Q. What change is the Company proposing to Tariff G.S.-TOD on Original**
20 **Sheet No. 10?**

21 A. The Company is proposing to increase the cap on customer participation in Tariff
22 G.S.-TOD (General Service – Time-of-Day) from 1,500 to 2,000.

1 **Q. Why is the Company proposing this change?**

2 A. Tariff G.S.-TOD offers small and medium sized commercial customers an
3 optional TOD tariff. From the time that this tariff was first introduced (originally
4 called Tariff M.G.S.-TOD), a cap on customer participation has been in place to
5 mitigate shifting of costs to other customers. The cap was increased to 1,500 in
6 Cause No. 43306. In recent years, Tariff G.S.-TOD requests for participation
7 have exceeded the current 1,500 customer cap. As a result, although I&M
8 continues to believe that a cap is necessary, I&M is proposing to increase the
9 customer cap to 2,000 to allow additional customers to sign up for Tariff G.S. –
10 TOD.

11 **Q. What change is the Company proposing to Tariff O.L. on Original Sheet No.
12 19?**

13 A. The Company is proposing language that requires the customer requesting a
14 new light to verify the light and pole location will not be objectionable to
15 neighboring property owners.

16 **Q. Why is the Company proposing this change?**

17 A. Tariff O.L. (Outdoor Lighting) is available to all classes of customers for outdoor
18 lighting needs. The Company tries to accommodate all requests for new outdoor
19 lighting installations, but occasionally customers request outdoor lights be
20 installed at locations that are objectionable to other property owners or are
21 difficult for the Company to maintain. Oftentimes these locations result in the
22 Company removing or relocating the outdoor lighting facilities. The proposed
23 language is being added to notify customers to review these situations and make

1 sure they are addressed prior to the installation of the outdoor lighting facilities
2 and eliminate the need to remove or relocate the facilities.

3 **Q. What change is the Company proposing to Tariff E.C.L.S. on Original Sheet**
4 **No. 22?**

5 A. The Company proposes language that allows a typically non-qualifying E.C.L.S.
6 customer to request a light with written authorization from the E.C.L.S. qualifying
7 governmental authority.

8 **Q. Why is the Company proposing this change?**

9 A. Currently, the governmental entity with the jurisdiction for a particular roadway
10 has the sole authority with regard to lighting of those roadways. Therefore,
11 service under Tariff E.C.L.S. (Energy Conservation Lighting Service) is only
12 available to governmental entities such as municipalities, counties, and other
13 political subdivisions for streetlighting service for those roadways that fall within
14 their jurisdiction. Occasionally, entities such as manufacturing facilities or
15 universities desire lighting on governmental roadways adjacent to or near their
16 campuses. While the appropriate tariff for allowing and billing roadway lighting is
17 Tariff E.C.L.S., the governmental entity may not be willing to pay for the lighting.
18 The proposed language added to Tariff E.C.L.S. allows the non-qualifying entity
19 to seek written permission from the governmental entity with jurisdiction over the
20 roadway to have the desired lighting installed and to assume responsibility for the
21 costs and billing of such streetlighting. The permission granted by the
22 governmental entity does not circumvent its authority over lighting of streets and
23 roads under its jurisdiction yet allows the otherwise non-qualifying customer to

1 get the desired roadway lighting and allows the Company to install and bill for the
2 lighting under the appropriate streetlighting tariff.

3 **Q. What change is the Company proposing to Tariff S.L.C. on Original Sheet**
4 **No. 23?**

5 A. The Company is proposing language that will allow the customer the ability to
6 perform all maintenance to customer owned lighting systems.

7 **Q. Please describe the proposed modifications to Tariff S.L.C.**

8 A. Tariff S.L.C. (Streetlighting – Customer-Owned System) is available for streetlight
9 service to municipalities, counties, other political subdivisions, and community
10 associations that have been incorporated under Indiana law as not-for-profit
11 corporations and own their streetlighting systems. Customer-owned lighting
12 systems have been changing rapidly in recent years. The standard fixtures and
13 lamps of the past are being replaced with a multitude of lighting options including
14 LED lamps and specialty ornamental fixtures. Previous tariff language changes
15 have addressed these concerns; however, an ambiguous line of maintenance
16 responsibility currently exists. The Company proposes to revise Tariff S.L.C. to
17 provide that customers will be responsible for maintaining the customer-owned
18 lamps and glassware. This will allow customers to perform this work using their
19 own personnel or by contracting with vendors that perform such services. As
20 pointed out by Company witness Nollenberger, the costs associated with the
21 renewal of lamps and cleaning and replacing glassware has been removed from
22 the rates charged under Tariff S.L.C. The Company will work with customers to

1 insure a smooth transition of these customer-maintenance responsibilities for
2 customer-owned lighting.

3 **Q. What change is the Company proposing to Rider AFS on Original Sheet No.**
4 **28?**

5 A. The Company is proposing to add sunset provisions for customers that have
6 been benefitting from an alternate feed service from the Company but currently
7 are not required to compensate the Company for the cost of alternate feed
8 service under Rider AFS.

9 **Q. Why is the Company proposing this change?**

10 A. Alternate Feed Service (AFS) is a premium service providing a redundant
11 distribution service through a separate distribution line and / or distribution station
12 transformer which provides increased reliability for distribution service customers.
13 Currently Rider AFS allows the Company to recover the cost of providing this
14 premium service, but only from customers requesting new or upgraded AFS after
15 March 23, 2009 or existing AFS customers that desire to maintain redundant
16 service when the Company must make additional maintenance expenditures in
17 order to continue providing such service. Because of these limitations, there are
18 some customers who are receiving AFS but are not subject to Rider AFS – that
19 is, there are some customers who first received AFS before March 23, 2009, and
20 have not required additional maintenance expenditures from the Company to
21 maintain AFS. For these pre-2009 AFS customers the Company is proposing to
22 add a sunset date to the rider language which will require pre-2009 AFS
23 customers to be served under Rider AFS beyond that date. This change would

1 appropriately require all customers that are benefitting from an alternate feed
2 service to contribute to the costs incurred by the Company for the capacity,
3 maintenance and testing required to provide these alternate feeds.

4 **Q. Explain the changes the Company is proposing in language and general**
5 **structure of several of the existing riders.**

6 A. The Company is proposing to eliminate language containing the formulas and lists
7 of cost components that are included in the total rider rate factors, which were
8 confusing to customers and other Tariff Book users. As shown in Attachment
9 KCC-3, these edits have been made to the Federal Mandate Rider (FMR), the
10 Life Cycle Management Rider (LCMR), the PJM Cost Rider (PJM), Solar Power
11 Rider (SPR), Clean Coal Technology Rider(CCTR) and the Demand-Side
12 Management / Energy Efficiency Program Cost Rider (DSM / EE) along with rate
13 design modifications supported by Company witness Nollenberger.

14 **Q. Is the Company proposing any other modifications to its existing**
15 **surcharges and riders?**

16 A. The Company is proposing to combine the Off System Sales Rider and the PJM
17 Rider into one line item on the bill. This is further described by Company
18 witnesses Halsey and Williamson. The combined tariff sheet for the two riders
19 can be found in Attachment KCC-3 Original Sheet 41.

20 Lastly, the Capacity Settlement Rider (CSR) and the Depreciation Credit
21 (DC) have been discontinued, and the Clean Coal Technology Rider (CCTR) and
22 the Environmental Compliance Cost Rider (ECCR) have been consolidated with
23 the consumables costs from the FMR into the proposed Environmental Cost

1 Rider (ECR). The ECCR will be discontinued while CCTR will be set to zero and
2 maintained for future use. All of these changes are shown in Attachment KCC-3
3 and described in greater detail in the testimony of Company witness Williamson
4 and Company witness Halsey.

5 **NEW TARIFFS**

6 **Q. Is the Company proposing the addition of any new tariffs?**

7 A. Yes. The Company is proposing a new Renewable Energy Option (REO), a
8 Resource Adequacy Rider (RAR) and a Phase-In Rate Adjustment (PRA). The
9 RAR and the PRA are described in detail by Company witness Williamson. The
10 new rider tariff sheets can found in Attachment KCC-3.

11 **Q. Please describe the proposed Renewable Energy Option (REO) introduced**
12 **above.**

13 A. The REO was designed in part as a response to feedback the Company has
14 received from customers who have expressed an interest in renewable energy,
15 but the Company's Green Power Rider (GPR) did not meet their specific needs
16 or interests. The REO is available on a voluntary basis to customers who are
17 interested in all or some portion of their electric service being attributed
18 specifically to renewable energy, including the Company's wind and solar
19 resources. Customers may participate in the REO as a percentage of total
20 monthly usage in increments of 10% from 10% to 100%. The Company will retire
21 the Renewable Energy Certificates (RECs) associated with the energy
22 purchased by participating customers.

1 Customers who subscribe to service under the REO will be charged for
2 the percentage of energy they subscribe to according to the rate schedule under
3 which the customer takes service and the surcharge for the renewable energy
4 established in the REO. Company witness Nollenberger explains and supports
5 the development of the renewable energy surcharge. As indicated in the
6 proposed REO shown in Attachment KCC-3, the renewable energy surcharge
7 may be updated no more frequent than annually, based on the methodology
8 approved by the Commission by filing with the Commission under the 30-day
9 filing procedures set forth in 170 IAC 1-6-1.

10 **Q. Is the Company proposing to discontinue the Green Power Rider (GPR)?**

11 A. No, not at this time. A number of customers continue to participate in the
12 Company's GPR. Leaving the GPR in place along with the REO will provide
13 customer multiple options for meeting their renewable needs or interests.
14 Overtime, customer participation in the GPR will determine whether it's
15 necessary to modify or discontinue this tariff. The Company continues to
16 evaluate customer interest and various implementation methodologies of offering
17 Community Solar, Solar Gardens and other solar share type of products.

18 **CONCLUSION**

19 **Q. Please summarize your testimony in this proceeding.**

20 A. My testimony has described and supported the Company's proposed modifications
21 to its Tariff Book, including the addition of a service territory map and an
22 Abbreviations, Technical Terms, and Definitions Section; modifications to the
23 Company's Terms and Conditions of Service; modifications to existing tariffs; and

1 the introduction of a new Renewable Energy Option (REO), Resource Allocation
2 Rider (RAR) and a Phase-In Rate Adjustment (PRA). All of these proposed
3 changes to the Tariff Book are just and reasonable and should be approved by the
4 Commission.

5 **Q. Does this conclude your pre-filed verified direct testimony?**

6 A. Yes.

VERIFICATION

I, Kurt C. Cooper, Regulatory Consultant Principal for Indiana Michigan Power Company, affirm under penalties of perjury that the foregoing representations are true and correct to the best of my knowledge, information, and belief.

Date: July 26, 2017



Kurt C. Cooper

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

ORIGINAL SHEET NO. 1

INDIANA MICHIGAN POWER COMPANY

SCHEDULE OF TARIFFS AND TERMS AND
CONDITIONS OF SERVICE
GOVERNING
SALE OF ELECTRICITY
IN THE STATE OF INDIANA

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

LOCALITIES WHERE ELECTRIC SERVICE IS AVAILABLE

<u>LOCALITY</u>	<u>COUNTY</u>	<u>LOCALITY</u>	<u>COUNTY</u>
Aboite Township	Allen	Decatur	Adams
Adams Township	Allen	Delaware Township	Delaware
Albany	Randolph	Dunkirk	Jay
Albion	Noble		Blackford
Albion Township	Noble	Duck Creek Township	Madison
Alexandria	Madison		
Allen Township	Noble	Eaton	Delaware
Anderson Township	LaPorte	Eel River Township	Allen
		Elkhart	Elkhart
		Elwood	Madison
Baugo Township	Elkhart		
Bear Creek Township	Jay	Fall Creek Township	Henry
Bear Creek Township	Adams	Fairfield Township	DeKalb
Benton Township	Elkhart	Fairmount	Grant
Berne	Adams	Farmland	Randolph
Blountsville	Henry	Fort Wayne	Allen
Blue Creek Township	Adams	Fowlerton	Grant
Boone Township	Madison	Franklin Township	DeKalb
Bryant	Jay	Franklin Township	Grant
Bryant Township	Wells	Franklin Township	Randolph
Butler	DeKalb	French Township	Adams
Butler Township	DeKalb		
		Galena Township	LaPorte
Cedar Creek Township	Allen	Gas City	Grant
Center Township	Delaware	Gaston	Delaware
Center Township	Grant	Geneva	Adams
Center Township	LaPorte	German Township	St. Joseph
Center Township	Marshall	Grabill	Allen
Centre Township	St. Joseph	Grant Township	DeKalb
Chester Township	Wells	Green Township	Noble
Chesterfield	Madison	Green Township	Randolph
Churubusco	Whitley	Greene Township	Grant
Clay Township	St. Joseph	Greene Township	Jay
Clear Creek	Huntington	Greene Township	St. Joseph
Cleveland Township	Elkhart	Greens Fork Township	Randolph
Cleveland Township	Whitley		
Cool Spring Township	LaPorte	Hamilton	DeKalb
Columbia Township	Whitley	Hamilton Township	Steuben
Concord Township	DeKalb	Hamilton Township	Delaware
Concord Township	Elkhart	Harris Township	St. Joseph
		Harrison Township	Blackford

(Cont'd on Sheet No. 2.1)

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LOCALITIES WHERE ELECTRIC SERVICE IS AVAILABLE

(Cont'd from Sheet No. 2)

<u>LOCALITY</u>	<u>COUNTY</u>	<u>LOCALITY</u>	<u>COUNTY</u>
Harrison Township	Delaware	Lakeville	St. Joseph
Harrison Township	Wells	Lancaster Township	Huntington
Harrison Township	Elkhart	Lancaster Township	Wells
Hartford Township	Adams	LaPaz	Marshall
Hartford City	Blackford	Liberty Township	Delaware
Hudson Township	LaPorte	Liberty Township	Grant
Huntertown	Allen	Liberty Township	St. Joseph
		Liberty Township	Wabash
Indian Village	St. Joseph	Liberty Township	Wells
		Licking Township	Blackford
Jackson Township	Blackford	Ligonier	Noble
Jackson Township	Howard	Lincoln Township	LaPorte
Jackson Township	Madison	Losantville	Randolph
Jackson Township	Miami	Lynn	Randolph
Jackson Township	Jay		
Jackson Township	Randolph	Madison Township	Allen
Jackson Township	Wells	Madison Township	Jay
Jackson Township	DeKalb	Madison Township	St. Joseph
Jackson Township	Huntington	Madison Township	Tipton
Jefferson Township	Grant	Marion Township	Allen
Jefferson Township	Huntington	Marion	Grant
Jefferson Township	Jay	Matthews	Grant
Jefferson Township	Adams	Maumee Township	Allen
Jefferson Township	Allen	Michigan Township	LaPorte
Jefferson Township	Henry	Milan Township	Allen
Jefferson Township	Elkhart	Mill Township	Grant
Jefferson Township	Noble	Mishawaka	St. Joseph
Jefferson Township	Wells	Modoc	Randolph
Jefferson Township	Whitley	Monroe Township	Adams
Jonesboro	Grant	Monroe	Adams
		Monroe Township	Allen
Kankakee Township	LaPorte	Monroe Township	Delaware
Kendallville	Noble	Monroe Township	Grant
Keyser Township	DeKalb	Monroe Township	Madison
Kirkland Township	Adams	Monroe Township	Randolph
Knox Township	Jay	Monroeville	Allen
		Montpelier	Blackford
Lafayette Township	Allen	Mt. Etna	Huntington
Lafayette Township	Madison	Mt. Pleasant	Delaware
Lake Township	Allen	Muncie	Delaware

(Cont'd on Sheet No. 2.2)

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LOCALITIES WHERE ELECTRIC SERVICE IS AVAILABLE

(Cont'd from Sheet No. 2.1)

<u>LOCALITY</u>	<u>COUNTY</u>	<u>LOCALITY</u>	<u>COUNTY</u>
New Carlisle	St. Joseph	Roanoke	Huntington
New Haven	Allen	Rock Creek Township	Huntington
Newville Township	DeKalb	Rock Creek Township	Wells
Niles Township	Delaware	Root Township	Adams
Noble Township	Jay	Roseland	St. Joseph
Noble Township	Noble	Redkey	Jay
North Township	Marshall		
Nottingham Township	Wells	Salamonia	Jay
		Salamonia Township	Huntington
Olive Township	Elkhart	Salem Township	Delaware
Olive Township	St. Joseph	Saratoga	Randolph
Orestes	Madison	Scipio Township	Allen
Osceolo	St. Joseph	Scott Township	Steuben
Osolo	Elkhart	Selma	Delaware
Ossian	Wells	Shamrock Lakes	Blackford
Otsego Township	Steuben	Sims Township	Grant
		South Bend	St. Joseph
Parker	Randolph	Smith Township	Whitley
Penn Township	Jay	Smithfield Township	DeKalb
Penn Township	St. Joseph	Sparta Township	Noble
Pennville	Jay	Spencer Township	DeKalb
Perry Township	Allen	Springfield Township	Allen
Perry Township	Delaware	Springfield Township	LaPorte
Perry Township	Noble	Stafford Township	DeKalb
Pike Township	Jay	St. Joe Township	Allen
Pipe Creek Township	Madison	St. Marys Township	Adams
Pleasant Township	Allen	Stony Creek Township	Henry
Pleasant Township	Grant	Stony Creek Township	Madison
Polk Township	Huntington	Stony Creek Township	Randolph
Poneto	Wells	Summitville	Madison
Portage Township	St. Joseph	Swan Township	Noble
Preble Township	Adams	Swayzee	Grant
Portland	Jay	Sweetser	Grant
Richland Township	Grant	Thorncreek Township	Whitley
Richland Township	Jay	Troy Township	DeKalb
Richland Township	Madison		
Richland Township	Steuben	Union Township	Adams
Richland Township	Whitley	Union Township	Delaware
Ridgeville	Randolph	Union Township	DeKalb

(Cont'd on Sheet No. 2.3)

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LOCALITIES WHERE ELECTRIC SERVICE IS AVAILABLE

(Cont'd from Sheet No. 2.2)

<u>LOCALITY</u>	<u>COUNTY</u>	<u>LOCALITY</u>	<u>COUNTY</u>
Union Township	Hamilton	York Township	Noble
Union Township	Howard	York Township	Steuben
Union Township	Madison	Yorktown	Delaware
Union Township	Randolph		
Union Township	St. Joseph		
Union Township	Wells		
Union Township	Whitley		
Union City	Randolph		
Uniondale	Wells		
Upland	Grant		
Van Buren	Grant		
Van Buren Township	Madison & Grant		
Vera Cruz	Wells		
Wabash Township	Adams		
Wabash Township	Jay		
Waltz Township	Wabash		
Ward Township	Randolph		
Warren Township	St. Joseph		
Washington Township	Adams		
Washington Township	Allen		
Washington Township	Blackford		
Washington Township	Delaware		
Washington Township	Elkhart		
Washington Township	Grant		
Washington Township	Whitley		
Wayne Township	Allen		
Wayne Township	Huntington		
Wayne Township	Jay		
Wayne Township	Noble		
Wayne Township	Randolph		
White River	Hamilton		
White River Township	Randolph		
Wildcat	Tipton		
Wills Township	LaPorte		
Wilmington Township	DeKalb		
Winchester	Randolph		
Woodburn	Allen		

(Cont'd on Sheet No. 2.4)

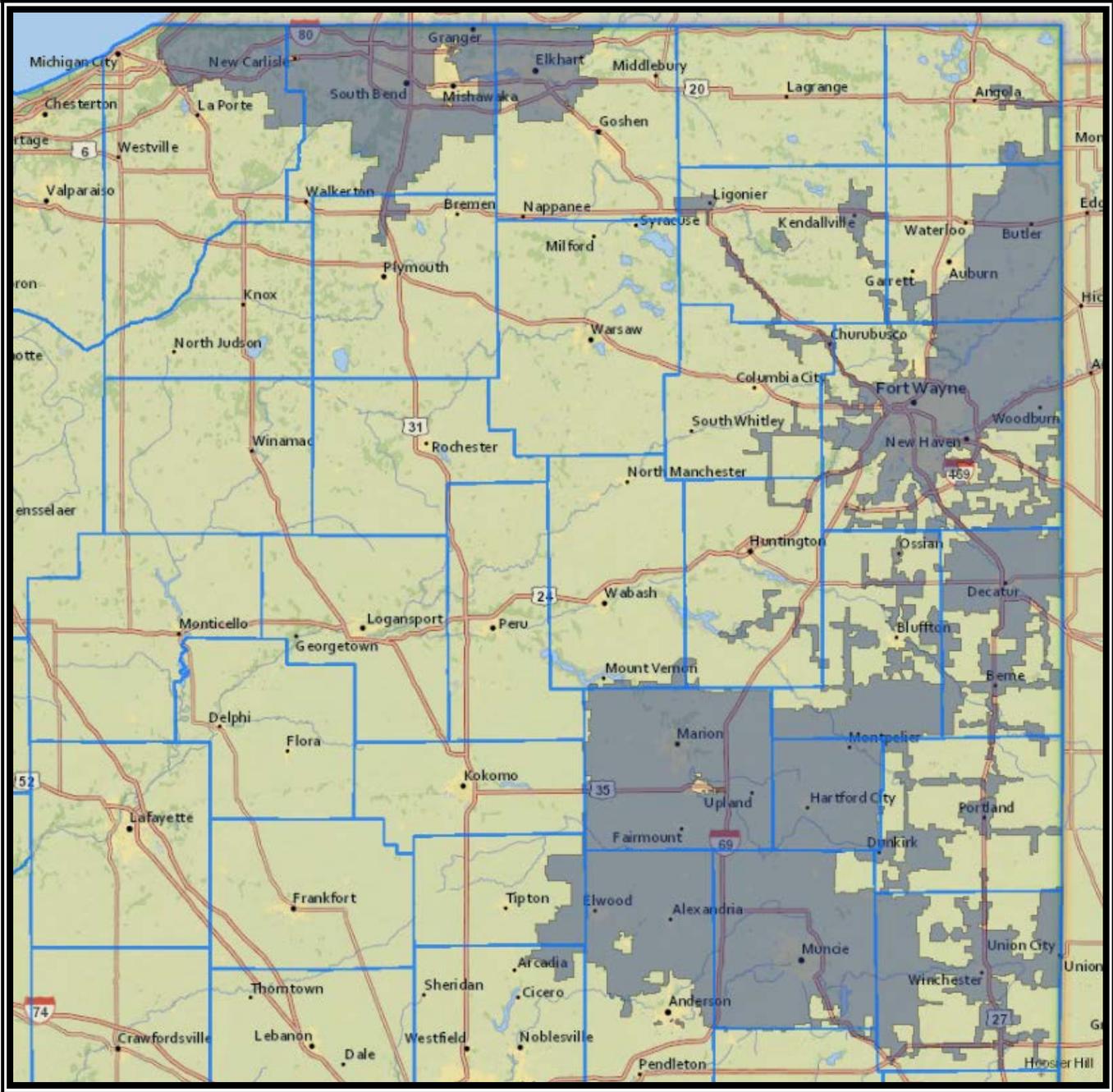
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AREA MAP OF LOCALITIES WHERE ELECTRIC SERVICE IS AVAILABLE
(Cont'd from Sheet No. 2.3)



Source: IURC Website - August 2016

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STATE OF INDIANA**

ORIGINAL SHEET NO. 2.5

<u>Title</u>	<u>Sheet No.</u>
Title page	1
Localities Where Electric Service is Available	<u>2.0</u>
Table of Contents	<u>2.5</u>
<u>Abbreviations, Technical Terms and Definitions</u>	<u>2.8</u>
Terms and Conditions of Service	3
Residential Electric Service – Tariff R.S.	4
Residential Off-Peak Energy Storage – Tariff R.S.-OPES	5
Residential Time-of-Day Service – Tariff R.S.-TOD	6
Experimental Residential Time-of-Day Service – Tariff R.S.-TOD2	7
Residential Peak Reduction Rider – Rider R.P.R.	8
General Service – Tariff G.S	9
General Service – Time-of-Day – Tariff G.S.-TOD	10
Experimental General Service Time-of-Day Service – Tariff G.S.-TOD2	11
Large General Service – Tariff L.G.S.	12
Large General Service – Time-of-Day – Tariff L.G.S.-TOD	13
Industrial Power – Tariff I.P.	14
Contract Service Interruptible Power – Tariff C.S.–IRP2	15
Municipal and School Service – Tariff M.S.	16
Water and Sewage Service – Tariff W.S.S.	17

(Cont'd on Sheet No. 2.6)

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ORIGINAL SHEET NO. 2.6

(Cont'd from Sheet No. 2.5)

<u>Title</u>	<u>Sheet No.</u>
Electric Heating General – Tariff E.H.G.	18
Outdoor Lighting – Tariff O.L.	19
Timed Outdoor Lighting – Tariff T.O.L.	20
Streetlighting Service – Tariff S.L.S.	21
Energy Conservation Lighting Service – Tariff E.C.L.S	22
Streetlighting – Customer-Owned System – Tariff S.L.C	23
Streetlighting – Customer-Owned System – Metered – Tariff S.L.C.M.	24
Fort Wayne Streetlighting – Customer-Owned and Maintained System – Tariff F.W.-S.L. (Available in Fort Wayne Only)	25
Irrigation Service – Tariff I.S.	26
Cogeneration and/or Small Power Production Service – Tariff COGEN/SPP	27
Alternate Feed Service Rider	28
Demand Response Service – Emergency – Rider D.R.S.1	29
Demand Response Service – Economic - Rider D.R.S.2	30
Demand Response Service – Ancillary – Rider D.R.S.3	31
Economic Development Rider	32
Green Power Rider	33 ^{32A}
Net Metering Service Rider – Rider NMS	34
<u>Renewable Energy Option</u>	<u>35</u>

(Cont'd on Sheet No. 2.7)

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ORIGINAL SHEET NO. 2.7

(Cont'd from Sheet No. 2.6)

<u>Title</u>	<u>Sheet No.</u>	
Surcharges and Rate Adjustments Riders Cover Sheet	36 4	
Fuel Cost Adjustment Rider	37 5	
Capacity Settlement Rider	36	
Clean Coal Technology Rider	38 7	
Demand-Side Management / Energy Efficiency Program Cost Rider	39 8	
Environmental Compliance Cost Rider	39	
Environmental Cost Rider	40	
Off-System Sales Margin Sharing / PJM Cost Rider	41 0	
PJM Cost Rider	44	
Life Cycle Management Rider	42	
Federal Mandate Rider	43	
Depreciation Credit	44	
Solar Power Rider	44 5	±
Resource Adequacy Rider	45	
Phase-In Rate Adjustment	46	

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ABBREVIATIONS, TECHNICAL TERMS AND DEFINITIONS

ABBREVIATIONS

IURC – Indiana Utility Regulatory Commission

I&M – Indiana Michigan Power Company

kVA – Kilovolt-ampere(s)

kW – Kilowatt(s)

kWh – Kilowatt-hour(s)

PJM – PJM Interconnection, LLC

RKVAH – Reactive Kilovolt-ampere(s) Hour

UG – Underground

TECHNICAL TERMS AND DEFINITIONS

“Applicant” – Any person, firm, corporation, municipality or other government agency which has applied for a new rate schedule with the Company.

“Billing Cycle” – Company’s schedule for meter reading and billing which distributes the starting dates for billing periods throughout the calendar month.

“Billing Demand” – Customer’s demand expressed in kW or kVA (as adjusted in accordance with the applicable rate schedule) which will be used in the calculation of the Customer’s bill.

“Billing Period or Billing Month” – the interval between two consecutive meter readings that are taken for billing purposes. Such readings will be taken as nearly as practical every 30 days.

“Business Day” – any Monday through Friday when the Company’s main business office is open.

“Cogeneration Facility” – A facility that simultaneously generates electricity and useful thermal energy and meets the energy efficiency standards established for a cogeneration facility by the Federal Energy Regulatory Commission (FERC) under 16 U.S.C. 824a-3, in effect November 9, 1978.Indiana.

“Commercial and industrial customers” – any customer not classified as residential.

“Commission” – means the Indiana Utility Regulatory Commission.

“Company” – Indiana Michigan Power Company.

“Company Standards” – Electric standards established by the Company.

“Connected load” - means the customer’s total load connected to the Company’s system.

“Contract Capacity” – Customer’s specified load requirements expressed in kW or kVA for which Customer contracts and Company is obligated to supply.

(Cont’d on Sheet No. 2.9)

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(Cont'd from Sheet No. 2.8)

“Contract year or year” – twelve consecutive billing periods used in the application of rate schedules.

“Customer” – Any person, firm, corporation, municipality or other government agency which has agreed, orally or otherwise, to pay for electric service from the Company.

“Customer in Good Standing” – Unless specifically stated, a customer is considered to be in good standing unless they have been issued disconnect notices for 2 consecutive months or any 3 months within the preceding 12-month period, or had service involuntarily disconnected for any reason other than safety during that same period.

“Delinquent Bill” – A Customer Bill that has remained unpaid for the period set forth in the IURC Rules (170 IAC 4-1-13).

“Delivery Point” – the point at which service is delivered by Company to customer. Generally the point at which the customer's facilities are connected to the Company's facilities.

“Delivery voltage” – voltage of Company's facilities at the delivery point.

“Demand” - the quantity of electrical power required, as measured in kW or kVA and integrated over a 15-minute period, metered by a demand indicator.

“Demand Charge” - the portion of a customer's bill based on the customer's Maximum Demand, in kW or kVA, and calculated on the Billing Demand under the applicable Rate Schedule.

“Disconnection” – the termination or discontinuance of electric service.

“Effective date” – means the date when the tariff sheet must be followed.

“Interval Metering” – meter capable of measuring and recording energy usage and demands on a sub-hour time interval and hourly integrated basis.

“Kilovolt or kV” – a unit of electrical force, 1,000 volts.

“Kilovolt-ampere or kVA” – a unit of apparent electrical power that is the product of volts and amperes, divided by 1,000.

“Kilowatt or kW” – a unit of electrical power equal to 1,000 watts, equivalent to about 1-1/3 horsepower.

“Kilowatt-hour or kWh” – a unit of electrical energy equivalent to the quantity of electrical energy consumed by a 100 watt lamp burning ten hours.

“Lateral Extension” – a line extension from a distribution line and is normally constructed on the customer's property to provide service to a specific premise.

“Lumen” – a unit of output of a light source.

“Metered Voltage” – the voltage at which service to the customer is measured.

“Minimum charge” – a monthly minimum charge the customer will be billed.

(Cont'd on Sheet No. 2.10)

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(Cont'd from Sheet No. 2.9)

“Month” – unless preceded by the word “calendar,” the term “month” will refer to a billing month.

“Off-peak Period” – daily periods when the demand on the Company’s generating system is usually the lowest.

“On-peak Period” – daily periods when the demand on the Company’s generating system is usually the highest.

“Other Sources of Energy Supply” – shall mean “other sources of electric energy supply” except where the Company provides service as standby or partial standby for a source of energy other than electric energy.

“PJM Interconnection, LLC or PJM” – is a regional transmission organization (RTO) that coordinates the movement of wholesale electricity.

“Power Factor” – the ratio of watts to the product of volts and ampere apparent power.

“Primary Voltage” – nominal voltages of more than 2,400 volts.

“Rate Schedule” or “Rider” means the rate or charge for a particular classification of service, including all special terms and conditions under which that service is furnished at the prescribed rate or charge.

“Reactive Kilovolt Ampere Hours or RKVAH” - a unit of power that is also known as "imaginary" or "reactive" power equal to 1,000 volt-ampere of reactive power (kVAR) measured or consumed over one hour.

“Regular Business Hours” – hours of operation designated by the Company occurring on Business Days.

“Remote Disconnection or Restoration Capability” – the ability to terminate or restore service to a premise from another location.

“Residential Customer” – a customer receiving service for a dwelling unit, defined as one or more rooms including kitchen in a building designed as living accommodations for occupancy by one family for the purpose of cooking, living and sleeping.

“Rules or Regulations” means the rules, regulations, practices, classifications, exceptions, and conditions that the Company must observe when providing service.

“Secondary Voltage” – nominal voltages of less than 480 volts.

“Service” – the supply of electric energy delivered by Company to Customer.

“Service Facilities” – are those facilities between the Company’s last electric plant unit and the point of termination. For service through a meter operating at 600 volts or less where facilities are overhead, this is generally the weatherhead; where facilities are underground; this is generally the meter socket. For those Primary Service customers who desire to take service directly from the electric distribution system, generally the last Company electric plant unit would be the meter installation and there would not be any Service Facilities involved since the customer usually owns all facilities beyond the meter.

“Standard service” – service where customer is receiving services from the Company under a Commission approved rate schedule.

(Cont'd on Sheet No. 2.11)

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I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

ORIGINAL SHEET NO. 2.11

(Cont'd from Sheet No. 2.10)

“Subtransmission Voltage” – typically nominal voltages of 34,500 volts to 69,000 volts.

“Tariff” – the entire body of rate schedules, riders, general terms and conditions for electric service.

“Transmission Voltage” – nominal voltages of 138,000 volts to 765,000 volts.

“Underground” – those parts of Company's distribution system which are constructed and direct buried underground.

“Volt” – a unit of electrical force.

“Watt” – the electrical unit of power or rate of doing work.

“Year” – unless preceded by the word “calendar,” the term “year” will refer to twelve consecutive billing months.

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1. Tariffs, Terms and Conditions of Service.

Electric service furnished by the Company is subject to Tariffs and Terms and Conditions of Service which are at all times subject to revision, change, modification, or cancellation by the Company, subject to the approval of the Indiana Utility Regulatory Commission, and which are, by reference, made a part of all standard contracts (both oral and written) for service. Failure of the Company to enforce any of the terms of these Tariffs and Terms and Conditions of Service shall not be deemed a waiver of its right to do so.

A copy of all Tariffs and Terms and Conditions of Service is on file with the Indiana Utility Regulatory Commission and may be inspected by the public in any of the Company's business offices. Upon request, the Company will supply, free of charge, a copy of the rate schedules applicable to service available to existing customers or new applicants for service. When more than one rate schedule is available for the service requested, the Customer shall designate the rate schedule on which the application or contract shall be based. Where applicable the customer may change from one rate schedule to another, as specified by tariff or contract, upon written application to the Company. A customer may not change from one tariff to another in less than 12 months or during the term of contract except with the consent of the Company. In no case will the Company refund any difference in charges between the rate schedule under which service was supplied in prior periods and the newly selected rate schedule.

2. Application.

A written agreement may be required from each customer before service will be commenced. A copy of the agreement will be furnished to the customer upon request.

When the customer desires delivery of energy at more than one point, a separate agreement may be required for each separate point of delivery. Service delivered at each point of delivery will be billed separately under the applicable tariff.

3. Bills for Electric Service.

Bills for electric service will be rendered monthly at intervals of approximately 30 days in accordance with the tariff applicable to the customer's service.

All bills are rendered as "net" bills which will be subject to a late payment charge if not paid within 17 days after the bill is mailed; provided, however, that any governmental agency shall be allowed such additional period of time for payment of the net bill as the agency's normal fiscal operations require, not to exceed 30 days. The late payment charge to be added to bills of \$3 or less shall be 10 percent of the amount of the bill, and to bills in excess of \$3, the amount to be added to the bill shall be 10 percent of the first \$3 plus 3 percent of the amount of the bill in excess of \$3.

(Cont'd on Sheet No. 3.1)

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(Cont'd from Sheet No. 3)

A customer shall be charged \$20 for any dishonored, negotiable instrument received in payment for a bill rendered by the Company, unless the customer shows that the financial institution was in error.

Failure to receive a bill shall not entitle the customer to pay the net bill after the designated payment date has passed. Upon request the Company will advise the customer of the approximate date on which the bill will be mailed each month, and if the bill is lost, the Company will issue a duplicate.

It may be necessary for the Company to render a bill on an estimated basis if extreme weather conditions, emergencies, work stoppage, or other circumstances of force majeure prevent actual meter readings. Any bill rendered on an estimated basis shall be clearly and conspicuously identified.

In the event of the stoppage of or the failure of any meter to register an accurate amount of energy consumed, the customer will be charged or credited for such period on an estimated consumption based upon his use of energy in a similar period of like use. This estimation shall include adjustments for changes in customer's load during the period the meter was not registering properly. All such billing errors will be adjusted to the known date of error or for a period of one year, whichever is shorter.

Residential customers using electric service shall have the option of paying bills under the Company's Average Monthly Payment Plan (AMPP). Residential customers enrolled under the Company's Equal Payment Plan (EPP) as of February 28, 2013 shall have the option of continuing under the EPP. Both of the Company's budget billing plans, AMPP and EPP are described below.

Under the Equal Payment Plan (EPP), the total service for the succeeding 12-month period is estimated in advance and bills are rendered monthly on the basis of one-twelfth of the 12-month estimate. The Company may at any time during the 12-month period adjust the estimate so made, and the bills rendered in accordance with such estimate, to conform more nearly with the actual use of service being experienced.

In case the actual service used during any equal payment period exceeds the bills as rendered on the EPP, the amount of such excess shall be paid on or before the due date of the bill covering the last month of the equal payment period in which such excess appears. Such excess may be added to the estimated use for the next normal equal payment period of 12 months and shall be payable in equal monthly payments over such period, except that if the customer discontinues service with the Company under the EPP, any such excess not yet paid shall become payable immediately. In case the actual service used during the equal payment period is less than the amount paid under the EPP during such period, the amount of such over payment shall, at the option of the Company, be either refunded or credited to the customer at the end of the period.

(Cont'd on Sheet No 3.2)

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If a customer fails to pay bills as rendered on the EPP, the Company shall have the right to withdraw the EPP with respect to such customer and restore the customer to billing as provided for in the applicable tariffs, in addition to any other rights which the Company may have under such tariffs in case of arrearage in payment of bills. If a customer requests removal from the EPP, the amount of any excess payments made under the EPP will be applied as a credit on the next month's bill. Likewise, if there is a deficiency in payments, the amount of deficiency will be added to next month's bill.

Under the Average Monthly Payment Plan (AMPP), variations in customer billings are minimized by allowing the customer to pay an average amount each month based on the current month's billing plus the eleven (11) preceding months, divided by the total billing days associated with those billings to get a per day average. The average daily amount will be multiplied by thirty (30) days to determine the current month's payment under the AMPP. At the next billing period, the oldest month's billing history is dropped, the current month's billing is added and the average is recalculated to find a new payment amount. The average is recalculated each month in this manner.

In such cases where sufficient billing history is not available, an AMPP account may be established allowing the first month's amount due to be the average based on the actual billing for the month. The second month's amount due will be the average based on the first and second billing. The average will be recomputed each month using the available actual history throughout the first AMPP year.

Actual billing will continue to be based on the applicable rate and meter readings obtained to determine consumption. The difference between actual billings and the averaged billings under the AMPP will be carried in a deferred balance that will accumulate both debit and credit differences for the duration of the AMPP year – twelve (12) consecutive months. At the end of the AMPP year (anniversary month), the net accumulated deferred balance is divided by twelve (12) and the result is included in the average payment amount starting with the first billing of the new AMPP year and continuing for twelve (12) consecutive months. Settlement occurs only when participation in the plan ends.

If a customer fails to pay bills as rendered on the AMPP, the Company shall have the right to withdraw the AMPP with respect to such customer and restore the customer to billing as provided for in the applicable tariffs, in addition to any other rights the Company may have under such tariffs in case of arrearage in payment of bills. If a customer requests removal from the AMPP, the amount of any overpayment made under the AMPP will be applied as a credit on the next month's bill. Likewise, any amount of under payment will be applied as a charge to the next month's bill.

(Cont'd on Sheet No. 3.3)

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(Cont'd from Sheet No. 3.2)

4. Deposits.

General

~~A deposit or a suitable guarantee as security for the payment of bills may be required of any customer at any time or from time to time before or after service is commenced.~~

Residential

A new applicant for residential service shall not be required to make a cash deposit as a condition of receiving service if the applicant satisfies the following criteria:

- (a) Applicant (i) has been a customer of any utility within the last two years, (ii) owes no outstanding bills for service rendered by any such utility, (iii) did not have, during the last 12 consecutive months that the service was provided, more than two bills which were delinquent to any utility or, if service has been rendered for a period for less than 12 months, has not had more than one delinquent bill in such period, and (iv) within the last 2 years did not have a service disconnected by a utility for nonpayment of a bill for services rendered by that utility.
- (b) If applicant has not been a customer of a utility during the previous two years and any two of the following three criteria are met:
 - i. Either applicant (a) has been employed by his present employer for two years, or (b) has been employed by his present employer for less than two years but has been employed by only one other employer during the past two years, or (c) has been employed by the present employer for less than two years and has no previous employment due to having recently graduated from a school, university, vocational program, or has recently been discharged from military service.
 - ii. Applicant either (a) owns or is buying his or her home or (b) is renting a home or an apartment and has occupied the premises for more than two years.
 - iii. Applicant has credit cards, charge accounts, or has been extended credit by a bank, commercial concern, or individual, unless a credit check shows that the applicant has been in default on any such account more than twice within the last 12 months.

(Cont'd on Sheet No. 3.4)

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(Cont'd from Sheet No. 3.3)

If the Company denies service or requires a cash deposit as a condition of providing service, then it must immediately send a written notice to the applicant stating the precise facts upon which it bases its decision and provide the applicant with an opportunity to rebut such facts and show other facts demonstrating his creditworthiness.

The Company may require a cash deposit from an existing customer when the customer has been mailed disconnect notices for 2 consecutive months or any 3 months within the preceding 12-month period, or when the service has been disconnected pursuant to the rules for nonpayment.

The amount of such deposit may not exceed an amount equal to one-sixth of the expected annual billings for the customer at the address at which service is rendered. Deposits required under the rules for nonpayment in amounts less than or equal to \$70, shall be paid in full prior to restoration of service. If the deposit required under the rules for nonpayment exceeds \$70, a minimum of \$70 shall be required prior to restoration of service. The remaining amount of the required deposit will be split equally between the next two (2) monthly billing cycles (approximately 60 days). Deposits shall earn interest as follows:

- (1) When the deposit is refunded within 12 months from the date of deposit, no interest is payable.
- (2) Deposits held more than 12 months shall earn interest from the date of deposit to the date of refund at an annual interest rate equal to the average of one-year United States Treasury bill rates during the previous year's third quarter. ~~of 6 percent per annum to the date of refund.~~
- (3) The deposit shall not earn interest after the date it is mailed, personally delivered to the customer, or otherwise lawfully disposed of.

Any deposit and/or accrued interest shall be refunded upon satisfactory payment by a residential customer for a period of either 9 successive months or 10 out of any 12 consecutive months (provided that the customer did not make late payment for any 2 consecutive months) or upon the customer demonstrating his creditworthiness by any other means. Refund of deposits and/or accrued interest on accounts that are disconnected for nonpayment will occur within 60 days if all outstanding balances have been resolved. Deposits and/or accrued interest will be refunded following customer-requested termination of service.

Company may refund such deposits by applying the deposit and/or accrued interest to the bill, and such application shall constitute a lawful disposition of such deposits. Upon specific request from the customer, the utility shall refund the deposit and/or accrued interest within 15 days after payment of the final bill. A deposit may be used by the utility to cover any unpaid balance following disconnection of service pursuant to Rule 5; provided, however, that any surplus be returned to the customer as provided above.

(Cont'd on Sheet No. 3.5)

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(Cont'd from Sheet No. 3.4)

Nonresidential

The Company ~~may require a deposit at any time or from time to time after service is commenced if it has reason to believe based on payment or credit criteria that a nonresidential customer is not creditworthy.~~ The Company shall determine the creditworthiness of new and existing nonresidential customers in an equitable and nondiscriminatory manner.

A new ~~or existing~~ nonresidential customer ~~may~~ shall be ~~considered~~ deemed creditworthy if: ~~it has no delinquent bills for electric utility service within the last twelve (12) months and within the last twenty-four (24) months has not: (a) had service disconnected by a utility for nonpayment or (b) filed a voluntary petition, or has an involuntary petition filed against it, under any bankruptcy or insolvency law. For purposes of this determination the contested portion of the bill shall not be considered delinquent. The Company shall not require a cash deposit from a new nonresidential customer who has been determined by the Company to be creditworthy.~~

1) the customer has paid all of its electric bills on or before the scheduled due date for the last twenty four (24) months, and

2) generally accepted credit matrices (such as Dunn & Bradstreet, Moody's, Standard & Poor's, Value Line, and / or Equifax), as interpreted by the Company, indicate that the customer has a strong likelihood of meeting their obligations. If a customer has no ratings with any such rating agency, the Company may charge a deposit if it is a new customer, and will consider the customer's payment history as evidence of good credit if it is an existing customer.

The Company will return a deposit upon a customer becoming creditworthy as defined above.

~~The Company shall require a cash deposit from an existing nonresidential customer when the customer has been mailed disconnect notices for two (2) consecutive months or any three (3) months within the preceding 12-month period, or when the service has been disconnected pursuant to the rules for nonpayment. The Company shall only require this cash deposit for the customer's accounts that were subject to the disconnect notices and/or disconnection.~~

The Company may require a deposit from the customer at any time or from time to time after the service is commenced if the customer has filed a voluntary petition, or has an involuntary petition filed against it, under any bankruptcy or insolvency law.

~~If the Company requires a cash deposit as a condition of providing or continuing to provide service, then the Company must: (a) provide notice to the new or existing customer stating the precise facts upon which the Company based its decision, (b) provide the new or existing customer with an opportunity to rebut the Company's decision, and (c) monthly monitor the customer's account for deposit requirements validating customer's creditworthiness with prompt repayment of deposit once customer meets all deposit requirements.~~

A Surety bond or Irrevocable Letter of Credit from an approved financial entity may ~~shall~~ be acceptable as security in lieu of a cash deposit. The amount of a deposit may not exceed an amount equal to one-sixth of the expected annual billings for the customer at the address at which service is

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rendered. ~~Deposits required may, a~~At the Company's sole discretion, when a deposit is required it may be billed and paid to the Company in ~~be split into~~ 3 equal monthly payments, ~~and~~ the first installment shall be paid in full prior to the commencement of service or prior to restoration of service (if disconnected for non-payment). ~~The remaining amount of the required deposit will be split equally between the next two (2) monthly billing cycles (approximately 60 days).~~

Deposits shall earn interest as follows:

- (1) Deposits held more than 12 months shall earn interest from the date of deposit to the date of refund at ~~a~~an annual interest rate equal to the average of one-year United States Treasury bill rates during the previous year's third quarter. ~~of 6 percent per annum to the date of refund.~~
- (2) The deposit shall not earn interest after the date it is mailed, personally delivered to the customer, or otherwise lawfully disposed of.

(Cont'd on Sheet No. 3.6)

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~~Any deposit and/or accrued interest will be refunded within 60 days following customer-requested termination of service. Company may refund such deposits by applying the deposit and/or accrued interest to the bill, and such application shall constitute a lawful disposition of such deposits. A deposit may be used by the utility to cover any unpaid balance following disconnection of service pursuant to Rule 5; provided, however, that any surplus be returned to the customer as provided above.~~

~~shall be refunded upon satisfactory payment by a nonresidential customer for a period of either 18 successive months or 20 out of any 24 consecutive months (provided that the customer did not make late payment for any 2 consecutive months) or upon the customer demonstrating his creditworthiness by any other means acceptable to the Company. The Company may review the customer's recent Financial Statements, credit reports, or other credible~~

~~sources prior to making a decision to provide a deposit refund or release security. Refund of deposits and/or accrued interest on accounts that are disconnected for nonpayment will occur within 60 days if all outstanding balances have been resolved. Deposits and/or accrued interest will be refunded within 60 days following customer-requested termination of service. Company may refund such deposits by applying the deposit and/or accrued interest to the bill, and such application shall constitute a lawful disposition of such deposits. Upon specific request from the customer, the utility shall refund the deposit and/or accrued interest within 15 days after payment of the final bill. A deposit may be used by the utility to cover any unpaid balance following disconnection of service pursuant to Rule 5; provided, however, that any surplus be returned to the customer as provided above.~~

5. Denial or Discontinuance of Service.

General

The Company reserves the right after at least 14 days' notice in writing to discontinue to serve any customer (1) who is indebted to the Company for any service theretofore rendered at any location (on other than equal payment plan accounts having a credit balance), (2) for failure to provide and maintain adequate security for the payment of bills as requested by the Company, or (3) for failure to comply with these Terms and Conditions. The Company also reserves the right to refuse electric service to any applicant if the applicant is indebted to the Company for any charge theretofore rendered at any location, provided Company shall advise applicant to such effect.

Any discontinuance of service shall be in accordance with rule IAC 4-1-16 including a visit to the premise to notify the customer of pending disconnection of service unless the customer has threatened to or has caused endangerment to an employee's personal safety. In which case such visit to the premise will be replaced by a phone call notification and remote disconnection / reconnection will be utilized where applicable. Examples of activities that threaten or cause endangerment to employees' personal safety include, but are not limited to:

- Verbal and physical abuse;
- Use of vicious animals;
- Brandishing or referencing use of weapons; and
- Purposefully creating unsafe working environment on premise

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Disconnection of service shall not terminate the contract between the Company and the customer nor shall it abrogate any minimum service charge or other monthly charge as specified in the applicable tariff.

The customer shall notify the Company at least three days in advance of the day disconnection is desired. The customer shall remain responsible for all service used and the billings therefore until service is disconnected pursuant to such notice.

Upon request by a customer to disconnect service, the Company shall disconnect the service within three working days following the required disconnection date. The customer shall not be liable for any service rendered to such address or location after the expiration of three such days.

The Company may disconnect service without request by the customer and with proper notification in writing of at least 14 days when:

(Cont'd on Sheet No. 3.7)

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- (a) The customer does not provide adequate access to the meter during normal business hours or denies access to other Company equipment; or
- (b) The customer does not provide adequate safe clearance in front of and around metering and associated equipment; or
- (c) The customer does not allow safe egress and regress across the customer's property to access metering and other Company equipment; or
- (d) The meter is located in an inaccessible location such as a basement, fenced area, porch, etc., and the customer denies the Company reasonable access; or
- (e) The customer's equipment falls into disrepair due to aging or abuse and needs to be replaced due to eminent safety considerations; or
- (f) The meter installation does not fall under commonly acceptable installation practices or where conditions at the customer's site change, causing the meter installation to no longer meet acceptable installation guidelines.

The Company may disconnect service without request by the customer and without prior notice only:

- (a) If a condition dangerous or hazardous to life, physical safety, or property exists; or
- (b) Upon order by any court, the Commission or other duly authorized Public Authority; or
- (c) If fraudulent or unauthorized use of electricity is detected and the Company has reasonable grounds to believe the affected customer is responsible for such use; or
- (d) If the Company's regulating or measuring equipment has been tampered with and the Company has reasonable grounds to believe that the affected customer is responsible for such tampering.

(Cont'd on Sheet No. 3.8)

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6. Service and/or Disconnect and Reconnect Charges.

In cases where the Company has discontinued service for nonpayment of bills, customer convenience and/or other causes stipulated herein, the right is reserved to charge the customer an amount in accordance with the following schedule of charges: The Company will endeavor to comply with customer requested work subject to a minimum of three business days' prior notification and/or manpower availability.

SCHEDULE OF CHARGES	AMOUNT
1. Reconnect for nonpay during regular business hours.	\$76
2. Reconnect for nonpay during workday overtime hours and all day Saturday.	\$92
3. Reconnect for nonpay on Sundays or holidays.	\$181
4. Reconnect for customer convenience. Charges same as 1 through 3 above and 6 through 9 below as applicable.	
45. Disconnect Trip Charge where Company employees are sent to customer premises to specifically notify the customer that bill payment is due, <u>or disconnection for non-pay is scheduled but not performed due to access, field promise or other related issue at customer site.- This includes trips where notification is left for the customer at the premises, the customer pays the bill, or the customer signs a Company form indicating payment by the end of the same day and no disconnect is made.</u>	\$38
56. Reconnect for nonpay when disconnect is required to be made from a vault, manhole, or service box.	\$441
67. Reconnect for nonpay during regular business hours when disconnect is required to be made at pole.	\$136
78. Reconnect for nonpay during workday overtime hours and all day Saturday when disconnect is required to be made at pole.	\$157
89. Reconnect for nonpay on Sunday or holidays when disconnect is required to be made at pole.	\$210
940. <u>Trip Charge for</u> No-power service call when the customer's facilities are clearly at fault <u>or in cases where a Company employee is sent to the customer premises for scheduled work and the customer is not ready</u> and the customer was advised of the charge.	\$38
104. Meter test or change when charge is permitted in accordance with the provision of Item No. 21 of the Terms and Conditions of Service.	\$65

(Cont'd on Sheet No. 3.9)

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(Cont'd from Sheet No. 3.8)

7. Miscellaneous Customer Charges.

When the Company detects that its regulating, measuring equipment, or other facilities have been tampered with or when fraudulent or unauthorized use of electricity has occurred, a rebuttable presumption arises that the customer or other user has benefited by such fraudulent or unauthorized use of such tampering. Therefore, that customer or other user is responsible for payment of the reasonable cost of the service used during the period such fraudulent or unauthorized use or tampering occurred, or is reasonably assumed to have occurred, and is responsible for the cost of field calls, the cost of equipment to safely secure metering and other Company equipment, and the cost of making repairs necessitated by such use and/or tampering. In any event, the Company may make a charge for such out-of-pocket costs, but in no case will the tampering fee be less than \$100. Under such circumstances, the Company may disconnect service without notice, and the Company is not required to reconnect the service until a deposit and all of the aforementioned enumerated charges are paid in full (subject to any provision of Commission Rule 16 to the contrary).

8. Inspection.

It is to the interest of the customer to properly install and maintain customer-owned wiring and electrical equipment, and the customer shall at all times be responsible for the character and condition thereof. The Company makes no inspection thereof and in no event shall be responsible therefore.

Where a customer's premises are located in a municipality or other governmental subdivision where inspection laws or ordinances are in effect, the Company may withhold furnishing service to new installations or disconnected existing installations until it has received evidence that the inspection laws or ordinances have been complied with. In addition, if such municipality or other governmental subdivision shall determine that such inspection laws or ordinances are no longer being complied with in respect to an existing installation, the Company may suspend the furnishing of service thereto until it has received evidence of compliance with such laws or ordinances.

Where a customer's premises are located in an area not governed by local inspection laws or ordinances, wiring shall be installed in accordance with the requirements of the National Electrical Code. Before furnishing service, Company may require a certificate or notice of approval from a duly-recognized authority stating that customer's wiring has been installed in accordance with the requirements of the National Electrical Code.

No responsibility shall attach to the Company because of any waiver of these requirements.

(Cont'd on Sheet No. 3.10)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

TERMS AND CONDITIONS OF SERVICE

(Cont'd from Sheet No. 3.9)

9. Service Connections.

The Company will, when requested to furnish service, designate the location of its service connection.

At the Company's discretion, loads greater than 2500 kVA may be served by more than one transformer set in parallel and therefore by more than one set of metering. Where energy is delivered in this manner, the monthly billing demand will be calculated as if the customer is served by a single delivery point.

A customer's plant is considered as one or more buildings, which are served by a single electrical distribution system provided and operated by the customer. When the size of the customer's load necessitates the delivery of energy to the customer's plant over more than one circuit, the Company may elect to connect its circuits to different points on the customer's system irrespective of contrary provisions in these Terms and Conditions of Service.

The customer's wiring must, except for those cases listed below, be brought outside the building wall nearest the Company's service wires so as to be readily accessible thereto. When service is from an overhead system, the customer's wiring must extend a distance beyond the building as established by local codes and Company standards. Where customers install service entrance facilities as specified by the Company and/or install and use certain utilization equipment as specified by the Company, the Company may provide or offer to own certain facilities beyond the point where the Company's service wires attach to the building.

All customer's wiring must be grounded in accordance with the requirements of the National Electrical Code or the requirements of any local inspection service authorized by a state or local authority.

When a customer desires that energy be delivered at a point or in a manner other than that designated by the Company, the customer shall pay the additional cost of same, including any and all required engineering studies.

When a customer requests additional engineering studies beyond the normal overhead and/or underground options providing an adequate plan of service, as designated by the Company, for a new or relocated service, the Company shall charge the customer, payable in advance, for actual cost incurred by the Company to conduct such studies. Normal engineering studies include any obvious options such as overhead and underground installations.

(Cont'd on Sheet No. 3.11)

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TERMS AND CONDITIONS OF SERVICE

(Cont'd from Sheet No. 3.10)

Where service is supplied from an underground distribution system which has been installed at the Company's expense, the customer shall make arrangements with the Company for the Company to install a continuous run of cable conductors, including necessary ducts, from the manhole or connection box to the meter location. Where it is necessary that the location of the meter be inside the customer's building, the customer shall reimburse Company for the cost of the portion of cable and duct from the exterior building wall to the meter location; however, all right and title to the cable shall remain with the Company.

10. Relocation of Company's Facilities At Customer's Request.

Whenever, at customer's request, the Company's facilities are relocated solely to suit the convenience of customer, the customer shall reimburse the Company for the entire cost incurred in making such change, including any and all required engineering studies.

11. Company's Liability.

The Company will use reasonable diligence in furnishing a regular and uninterrupted supply of energy, but does not guarantee uninterrupted service. The Company shall not be liable for damages in case such supply should be interrupted or fail by reason of an act of God, the public enemy, accidents, labor disputes, or orders or acts of civil authority. Further, the Company shall not be liable for damages in case such supply should be interrupted due to causes or conditions beyond the Company's reasonable control, including extraordinary repairs, breakdowns or injury to machinery, transmission lines, distribution lines, or other facilities of the Company when the Company has carried on a program of maintenance consistent with the general practices prevailing in the industry. Further, the Company shall not be liable for damages for interrupting service to any customer whenever, in the judgment of the Company, such interruption is necessary in order to prevent or limit any instability or disturbance on the electric system of the Company or any electric system interconnected with the Company, such interruptive action to be taken in accordance with a predetermined plan and only in situations that threaten massive curtailments of service on the Company's system. Notwithstanding any other provisions of the terms of these Tariffs and Terms and Conditions of Service, the Company may shut off service temporarily for reasons of health, safety, maintenance of Company facilities, infrastructure improvements, and new construction of Company facilities. To the extent possible, the Company will make a reasonable attempt to inform all affected customers in advance of such events.

Unless otherwise provided in a contract between Company and customer, the point at which service is delivered by Company to customer, to be known as "delivery point," shall be the point at which the customer's facilities are connected to the Company's facilities. The Company shall not be liable for any loss, injury, or damage resulting from the customer's use of customer-owned equipment or occasioned by the energy furnished by the Company beyond the delivery point.

(Cont'd on Sheet No. 3.12)

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EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

TERMS AND CONDITIONS OF SERVICE

(Cont'd from Sheet No. 3.11)

The customer shall provide and maintain suitable protective devices on customer-owned equipment to prevent any loss, injury, or damage that might result from single-phasing conditions or any other fluctuation or irregularity in the supply of energy. The Company shall not be liable for any loss, injury, or damage resulting from a single-phasing condition or any other fluctuations or irregularity in the supply of energy which could have been prevented by the use of such protective devices.

The Company will provide and maintain the necessary line or service connections, transformers (when same are required by conditions of contract between the parties thereto), meters, and other apparatus which may be required for the proper measurement of and protection to its service. All such apparatus shall be and remain the property of the Company.

12. Customer's Liability.

In the event of loss or injury to the property of the Company through misuse by, or the negligence of, the customer or the employees of the same, the cost of the necessary repairs or replacement thereof shall be paid to the Company by the customer.

The customer shall be responsible and, therefore, shall insure that no one except employees or agents of the Company shall make any internal or external adjustment to or shall otherwise interfere with or break the seals of meters or other equipment of the Company installed on the customer's premises.

The Company shall have the right at all reasonable hours to enter the premises of the customer for the purpose of installing, reading, removing, testing, replacing, or otherwise disposing of its apparatus and property, and the right of entire removal of the Company's property in the event of the termination of the service for any cause. The customer must keep the immediate area and access area in and around the Company's equipment clean and free of debris.

The customer shall provide and maintain suitable protective devices on customer-owned equipment to prevent any loss, injury, or damage that might result from single-phasing conditions or any other fluctuation or irregularity in the supply of energy. The Company shall not be liable for any loss, injury, or damage resulting from a single-phasing condition or any other fluctuations or irregularity in the supply of energy which could have been prevented by the use of such protective devices. The Company may disconnect service without request by the customer and without prior notice if in the Company's sole judgment the customer's continued service will be detrimental to the Company's general service.

(Cont'd on Sheet No. 3.13)

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TERMS AND CONDITIONS OF SERVICE

(Cont'd from Sheet No. 3.12)

13. Contracts.

Contract for Service

The Company shall not be required to make extensions of service, as provided for in Item 14 below, unless the customer or customers to be initially served by such extensions of service enter into an agreement with the Company, prior to the beginning of construction, that sets forth the obligations and commitments of the parties to the contract. The terms of the contract may require the customer to provide a satisfactory guarantee to the Company for the performance of the customer's obligations thereunder.

By receiving service under a specific tariff or rider, the customer or his or its heirs, successors and assigns has agreed to all terms and conditions of that tariff. A customer's refusal or inability to sign a contract or agreement as specified by the tariff, in no way relinquishes the customer's obligations as specified in the tariff.

14. Extension of Service.

The Company shall, upon proper application for service from overhead and/or underground distribution facilities, provide necessary facilities for rendering adequate service, without charge for such facilities, when the estimated total revenue for a period of two and one-half years to be realized by the Company from permanent and continuing customers on such extension is at least equal to the estimated cost of such extension. If the estimated cost of the extension required to furnish adequate service is greater than the total estimated revenue from such extension, such an extension shall be made by the Company under the following conditions:

- (a) Upon proper applications for such extension and adequate provision for payment to the Company by such applicants of that part of the estimated cost of such extension over and above the amount which would have qualified as provided for above, the Company shall proceed with such extension, or
- (b) If, in the opinion of the Company, the estimated cost of such extension and the prospective revenue to be received from it is so meager as to make it doubtful whether the revenue from the extension would ever pay a fair return on the investment involved in such extension; or in a case of real estate development with slight or no immediate demand for service; or in the case of an installation requiring extensive equipment with

(Cont'd on Sheet No. 3.14)

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slight or irregular service; then, in any of the above cases, the Company shall submit the same to the Commission for investigation and determination as to the public convenience and necessity of such extension, and if so required, the conditions under which it shall be made, and

- (c) For each customer, exclusive of the initial applicants considered in the making of an extension, connected to such an extension within the period of six years from the completion of such extension, the Company shall refund to such initial applicants, in proportion to their respective contributions toward the cost of such extension, an amount equal to two and one-half times the estimated annual revenue from such new customer, less the cost to service such new customer, but the total of all refunds to any such applicant shall in no event exceed the aforesaid contribution of such applicant, and
- (d) If the Company has reason to question the financial stability of the customer and/or the life of the operation is uncertain or temporary in nature, such as construction projects, oil and gas well drilling, sawmills and mining operations, the customer shall pay a contribution in aid of construction, consisting of the estimated labor cost to install and remove the facilities required plus the cost of unsalvageable material, before the facilities are installed. In making determinations under this provision, the Company will consider relevant information such as financial statements, annual reports and other information provided by the customer. The Company will copy the Commission and the OUCR staff on any customer correspondence regarding the application of this provision to a customer. Should a dispute arise concerning the application of this provision, either the Company or the customer may submit such dispute to the Commission for investigation and determination as to the conditions under which such extension shall be made.

The applicants shall also agree to pay their portion of such estimated costs for primary facilities.

For service (defined as the conductors and equipment for delivering energy, not to exceed 600 volts, from the electrical supply system to the wiring system of the premises served) the applicant shall have the right to install same subject to such reasonable specifications and inspections as might be prescribed by the Company.

(Cont'd on Sheet No. 3.15)

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(Cont'd from Sheet No. 3.14)

The Company may require the applicant to submit to the Company sufficient designs and/or plans for the service lines before proceeding. If the Company provides the designs and/or plans for the service lines, the Company may require the applicant to reimburse the Company its costs. The Company shall have no responsibility for service lines installed by the applicant.

In those cases where it is not feasible or practicable to construct lines on public rights-of-way and it is necessary to secure rights-of-way on private property or tree-trimming permits, the applicant or applicants shall secure the same without cost to the Company or assist the Company in obtaining such rights-of-way on private property or tree-trimming permits before construction shall commence. The Company shall be under no obligation to construct lines in event the necessary rights-of-way or tree-trimming permits cannot be so obtained.

The Company shall notify customers seeking extension of service that any dispute arising concerning the application of this provision may be submitted to the Commission for investigation and determination.

15. Service that Replaces Inadequate Facilities.

The Company will, upon proper notification of increased load to be served, provide the necessary facilities for rendering adequate service, without charge for such facilities, when the estimated increase in revenue for a period of two and one-half years to be realized by the Company is at least equal to the estimated net cost to improve such facilities. There will be no retirement charge in this situation.

If the estimated net cost of the improved facilities required to furnish adequate service is greater than the estimated increase in revenue to be realized by the Company over two and one-half years, the customer shall make adequate provision for payment to the Company for the difference.

16. Location and Maintenance of Company's Equipment.

The Company shall have the right to construct its poles, lines, and circuits on the property, and to place its transformers and other apparatus on the property or within the buildings of the customer, at a point or points specified by the Company for such purpose, as required to serve such customer. The customer shall provide suitable space for the installation of Company's measuring instruments so that the latter will be protected from injury by the elements or through the negligence or deliberate acts of the customer or any other person who is not an agent or employee of the Company.

(Cont'd on Sheet No. 3.16)

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 STATE OF INDIANA

TERMS AND CONDITIONS OF SERVICE

(Cont'd from Sheet No. 3.15)

17. Use of Energy by Customer.

The tariffs for electric energy given herein are classified by the character of use of such energy and are not available for service except as provided herein. Service will not be furnished under any schedule of the Company on file with the Commission to any customer, applicant, or group of applicants desiring service with the intent or for the purpose of reselling any or all of such service. For purposes of this tariff, the provision of electric vehicle charging service for which there is no direct per kWh charge shall not be considered resale of service. This prohibition precludes customer participation, either directly or indirectly through a third party, in a wholesale demand response program offered by an RTO or other entity unless such program has been reviewed and approved by the Commission.

It shall be understood that upon the termination of a contract, the customer may elect to renew the contract upon the same or another tariff published by the Company and applicable to the customer's requirements, except that in no case shall the Company be required to maintain transmission, switching, or transformation equipment (either for voltage or form of current change) different from or in addition to that generally furnished to other customers receiving electric supply under the terms of the tariff elected by the customer.

A customer may not change from one tariff to another in less than 12 months or during the term of contract except with the consent of the Company.

The service connections, transformers, meters, and appliances supplied by the Company for each customer have a definite capacity and no additions to the equipment, or load connected thereto, will be allowed except by consent of the Company.

The customer shall install only motors, apparatus, or appliances which are suitable for operation with the character of the service supplied by the Company, and which shall not be detrimental to same, and the electric power must not be used in such a manner as to cause unprovided-for voltage fluctuations or disturbances in the Company's transmission or distribution system. The Company shall be the sole judge as to the suitability of apparatus or appliances, and also as to whether the operation of such apparatus or appliances is or will be detrimental to its general service. The Company may disconnect service without request by the customer and without prior notice if in the Company's sole judgment the customer's continued service will be detrimental to the Company's general service.

No attachment of any kind whatsoever may be made to the Company's lines, poles, crossarms, structures, or other facilities without the express written consent of the Company.

(Cont'd on Sheet No. 3.17)

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(Cont'd from Sheet No. 3.16)

All apparatus used by the customer shall be of such type as to secure the highest practicable commercial efficiency, power factor, and the proper balancing of phases. Motors which are frequently started or arranged for automatic control must be of a type to give maximum starting torque with minimum current flow and be of a type and equipped with controlling devices approved by the Company. The customer agrees to notify the Company of any increase or decrease in his connected load.

The customer shall not be permitted to operate his own generating equipment in parallel with the Company's service except on written permission of the Company.

The Company may provide service to and take service from certain qualifying facilities defined as cogeneration or small power production facilities. Such sales and purchases are subject to contract and Commission authorization.

18. Residential Service.

Individual residences shall be served individually under the residential service tariff. Customer may not take service for two or more separate residences through a single point of delivery under any tariff, irrespective of common ownership of the several residences, except that in the case of an existing apartment building or trailer court with a number of individual residential units where the service is currently taken through a single meter, such service will be supplied under the appropriate general service tariff.

Where customer is presently receiving service through such master meter, the fair allocation, through submetering, of each dwelling unit's electrical consumption shall not constitute the reselling of such service.

All electricity delivered to a new building at which units of such premises are separately rented, leased, or owned, shall be sold on the basis of individual meter measurement for each such occupancy unit, except for electricity used in hotels, motels, and other similar transient lodging, or where the service applicant establishes in writing, furnished to the utility before commencement of construction of the new building, that costs of purchasing and installing separate meters in such building exceed the long run benefits of individual metering of units.

(Cont'd on Sheet No. 3.18)

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(Cont'd from Sheet No. 3.17)

Where a single-family house, constructed prior to April 2, 1980, is converted to include separate living quarters or dwelling units for more than one family, or where two or more families occupy a single-family house with separate cooking facilities, the owner may, instead of providing separate wiring for each dwelling unit, take service through a single meter under the residential service tariff. Single-family homes, constructed subsequent to April 2, 1980, are not allowed to be sub-divided and served through a single meter under any applicable tariff. The owner of a single-family house considering sub-dividing such dwellings must provide each dwelling unit with a separate meter in accordance with the Indiana Utility Regulatory Commission's Order in Cause No. 35781.

The residential service tariff shall cease to apply to that portion of a residence which becomes regularly used for business or other gainful purposes; however, where the principal use of energy will be for residential purposes but a small amount of energy will be used for nonresidential purposes, such nonresidential use will be permitted only when the equipment for such use is within the capacity of a single 3,000-watt branch circuit and the nonresidential consumption is less than the residential use on the premises. When the nonresidential equipment exceeds the above stated maximum limit, the entire nonresidential wiring must be separated from the residential wiring so that it may be metered separately, and the nonresidential load will be billed under the appropriate general service tariff or the entire service will be billed under the appropriate general service tariff.

Detached building or buildings actually appurtenant to the residence, such as a garage, stable, or barn, may be served by an extension of the customer's residence wiring through the residence meter.

19. Temporary Service.

Temporary service is electric service that is required during the construction phase of a project ~~and/or electric service that is provided to new customers for a period not to exceed 12 months~~. Such service is available only upon approval of the Company. In order to qualify for temporary service, the customer must demonstrate to the Company's satisfaction that the requested service will, in fact, be temporary in nature.

Temporary service for residential construction will be supplied using Tariff R.S. Temporary service for general service construction will be supplied under the appropriate published general service tariff applicable to the class of business of the customer. Temporary service will be supplied when the Company has available unsold capacity of lines, transformers, and generating equipment. The customer will be charged a minimum temporary service installation charge, payable in advance, based on the Company's actual cost to install and remove, less salvage, the required facilities to provide the temporary service. The Company reserves the right to require a written contract for temporary service, at its option.

(Cont'd on Sheet No. 3.19)

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TERMS AND CONDITIONS OF SERVICE

(Cont'd from Sheet No. 3.18)

20. Voltages.

The standard nominal distribution service voltages within the service area of the Company are:

<u>Secondary</u>		<u>Primary</u>
<u>Single Phase</u>	<u>Three Phase</u>	<u>Three Phase</u>
120/240 Volts	120/208 Volts	4160/2400 Volts
120/208 Volts	120/240 Volts	12470/7200 Volts
240/480 Volts	277/480 Volts	34500/19950 Volts
	480 volts	

The standard subtransmission and transmission service voltages within the service area of the Company are:

<u>Subtransmission</u>	<u>Transmission</u>	<u>EHV Transmission</u>
<u>Single or Three Phase</u>	<u>Three Phase</u>	<u>Three Phase</u>
13.8 kV	138 kV	345 kV
27.6 kV		765 kV
34.5 kV		
69 kV		

Voltages listed above are not available at all locations. The Company must be consulted regarding their availability at any particular location. Subtransmission service at 13.8 kV and 27.6 kV is withdrawn except for present installations of customers receiving service at premises served prior to July 11, 1986.

21. Meter Testing.

The Company will test meters used for billing customers in accordance with rules as currently approved by the Indiana Utility Regulatory Commission. A copy of these rules is on file at the Company's office.

The Company shall test the accuracy of registration of a meter upon written request by a customer. A second test of this meter may be requested after twelve (12) months. The first and second tests of a customer's meter shall be at no cost to the customer.

(Cont'd on Sheet No. 3.20)

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(Cont'd from Sheet No. 3.19)

The customer will pay the cost of any subsequent tests of the customer's meter in accordance with Item No. 6 of the Terms and Conditions of Service if (1) the meter was tested within the prior thirty-six (36) months at the customer's request and was found to be registering within the Commission-approved limits at that time; (2) the test is made at the customer's request or due to a billing dispute and (3) the meter is found to be registering within the approved limits.

22. Employees Discount.

Regular employees who have been in the Company employ for six months or more and are the head of the family or mainly responsible for maintenance of the premises they occupy may, at the discretion of the Company, secure a reduction in their residential electric bills. The rate for standard electric service (017) shall consist of a monthly service charge of \$~~18.007.30~~ plus ~~9.8197.627~~¢/kWh for all metered kWh plus adjustments as required under the Applicable Riders. Employees who install a Company-approved storage water-heating system will be subject to a rate of ~~3.9842.539~~¢/kWh under the conditions set forth in the storage water-heating provision or load management water-heating provision of Tariff R.S. (80-052, 100-053, and 120-054).

Employees who use energy-storage or other load-management devices with time-differentiated load characteristics approved by the Company may receive service under the provisions of Tariff R.S.-OPES/PEV (036). The TOD rate shall be ~~17.40243.183~~¢/kWh for all consumption during the on-peak period and ~~3.9842.539~~¢/kWh for all consumption during the off-peak period. ~~All remaining rates and charges shall be standard tariff amounts. The service charge is \$19.90 per customer per month.~~

Employees who take service under the conditions set forth in Tariff R.S.-TOD (034) will be subject to a rate of ~~17.40243.183~~¢/kWh for all consumption during the on-peak period and ~~3.9842.539~~¢/kWh for all consumption during the off-peak period. The ~~customerservice~~ charge is \$~~19.908.50~~ per customer per month.

Employees who take service under the conditions set forth in Tariff R.S.-TOD2 (041) will be subject to a rate of ~~29.25247.562~~¢/kWh for all consumption during the on-peak period and ~~8.4166.909~~¢/kWh for all consumption during the off-peak period. The ~~customerservice~~ charge is \$~~18.007.30~~ per customer per month.

23. Utility Residential Weatherization Program (URWP).

Upon customer request, Indiana Michigan Power Company (Company) may provide financial assistance in the form of loans to residential customers for the cost of certain energy conservation measures.

(Cont'd on Sheet No. 3.21)

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TERMS AND CONDITIONS OF SERVICE

(Cont'd from Sheet No. 3.20)

Such loans will be limited to existing customer-owned, single-family houses, duplexes, triplexes, or four-family residences that use electricity for space heating or air conditioning. Such loans will be provided only after (a) the Company deems the customer's credit rating satisfactory, (b) the customer enters into a financing agreement with the Company, and (c) the premises have had a Residential Conservation Service Program audit.

The Company will not itself sell or install energy conservation measures, but may assist the customer in this regard by financing the cost of such conservation measures in amounts up to \$1,500 with a maximum repayment period of three years.

Repayment of URWP loans will be in equal monthly installments over a period up to 36 months with the first payment due no later than one month after completion of the work. Where the customer elects to finance the cost of energy conservation measures, interest will be charged at an effective annual percentage rate of 6 percent per year on the monthly unpaid balance.

The Company will not charge interest if the loan is repaid in 90 days.

24. Customer Initiated Power Quality Investigations.

When requested by the customer to investigate any power quality issues not related to "no power" service calls, that affect service to customer owned facilities that are connected to the Company's system, the Company will conduct an initial investigation at no charge to the customer. The Company will make a reasonable attempt to resolve any problems when the Company is found to be at fault. After notifying the customer of a no-fault finding, the Company may at the customer's request, and upon mutual agreement, continue troubleshooting the problem if the customer consents to paying for all additional charges which shall be based on actual labor and material costs incurred.

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I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

**TARIFF R.S.
(Residential Electric Service)**

Availability of Service.

Available for residential electric service through one single-phase meter to individual residential customers including rural residential customers engaged principally in agricultural pursuits. Limited three phase service may be available upon approval by the Company.

Rate. (Tariff Codes 015 - 016)

Service Charge: \$~~18.007.30~~ per customer per month

Energy Charge: ~~10.8198.634~~¢ per kWh

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. ~~36~~4.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

Storage Water-Heating Provision.

This provision is withdrawn except for the present installations of current customers receiving service hereunder at premises served prior to May 1, 1997.

(Cont'd on Sheet No. 4.1)

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

**TARIFF R.S.
(Residential Electric Service)**

(Cont'd from Sheet No. 4)

If the customer installs a Company-approved storage water-heating system which consumes electrical energy only during off-peak hours specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

Tariff Code

- 012 (a) For Minimum Capacity of 80 gallons, the last 300 kWh of use in any month shall be billed at ~~4.3902-874~~¢ per kWh.
- 013 (b) For Minimum Capacity of 100 gallons, the last 400 kWh of use in any month shall be billed at ~~4.3902-874~~¢ per kWh.
- 014 (c) For Minimum Capacity of 120 gallons or greater, the last 500 kWh of use in any month shall be billed at ~~4.3902-874~~¢ per kWh.

These provisions, however, shall in no event apply to the first 200 kWh used in any month, which shall be billed in accordance with the "Rate" as set forth above.

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

The Company reserves the right to inspect at all reasonable times the storage water-heating system and devices which qualify the residence for service under the storage water-heating provision and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that in its sole judgment the availability conditions of this provision are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

Load Management Water-Heating Provision. (Tariff Code 011)

For residential customers who install a Company-approved load management water-heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 kWh of use in any month shall be billed at ~~4.3902-874~~¢ per kWh.

This provision, however, shall in no event apply to the first 200 kWh used in any month, which shall be billed in accordance with the "Rate" as set forth above.

(Cont'd on Sheet No. 4.2)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF R.S.
(Residential Electric Service)**

(Cont'd from Sheet No. 4.1)

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

The Company reserves the right to inspect at all reasonable times the load management water-heating system(s) and devices which qualify the residence for service under the Load Management Water-Heating Provision. If the Company finds that in its sole judgment the availability conditions of this provision are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

Contract.

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
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I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

**TARIFF R.S. – OPES/PEV
(Residential Off-Peak Energy Storage/Plug-in Electric Vehicle)**

Availability of Service.

Available to customers eligible for Tariff R.S. (Residential Service) who use energy-storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space-heating and/or cooling systems and water heaters which consume electrical energy only during off-peak hours specified by the Company and store energy for use during on-peak hours, and/or customers using charging stations for Plug-in Electric Vehicles (PEV) programmed to consume electrical energy primarily during off-peak hours specified by the Company.

Households eligible to be served under this tariff shall be metered through one single-phase, multi-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods. For PEVs, metering shall be installed at the Company's discretion that is capable of separately identifying PEV usage. Customer-specific information will be held as confidential and the data presented in any analysis will protect the identity of the individual customer.

Rate. (Tariff Code 032)

Service Charge: ~~\$19,908.50~~ per customer per month

Energy Charge: ~~19.17314.924~~¢ per kWh for all on-peak kWh
~~4.3902.874~~¢ per kWh for all off-peak kWh

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

Conservation and Load Management Credit.

For the combination of an approved electric thermal storage space-heating and/or cooling system and water heater, all of which are designed to consume electrical energy only during the off-peak billing period as previously described in this tariff, each residence will be credited 1.044¢ per kWh for all kWh used during the off-peak billing period for a total of 60 monthly billing periods following the installation and use of these devices in such residence.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

(Cont'd on Sheet No. 5.1)

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

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INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

TARIFF R.S. – OPES/PEV
(Residential Off-Peak Energy Storage/Plug-in Electric Vehicle)

(Cont'd from Sheet No. 5)

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus three percent of the amount of the bill in excess of \$3.

Contract.

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

Separate Metering Provision.

Customers shall have the option of receiving service under Tariff R.S. for general-use load by separately wiring such load to a standard, residential meter.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

The Company reserves the right to inspect at all reasonable times the energy storage devices, ~~and~~ load management devices and PEV charging stations which qualify the residence for service and conservation and load management credits under this tariff and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that in its sole judgment the availability conditions of this tariff are being violated, it may discontinue billing the customer under this tariff and commence billing under the appropriate tariff.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF R.S. – TOD
(Residential Time-of-Day Service)**

Availability of Service.

Available for residential electric service through one single-phase, multi-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods to individual residential customers, including residential customers engaged principally in agricultural pursuits. Limited three phase service may be available upon approval by the Company. Availability is restricted to the first 2,500 customers applying for service under this tariff.

Rate. (Tariff Code 030)

Service Charge: \$~~19.908-50~~ per customer per month

Energy Charge: ~~19.17344-924~~¢ per kWh for all on-peak kWh
~~4.3902-874~~¢ per kWh for all off-peak kWh

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

(Cont'd on Sheet No. 6.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF R.S. – TOD
(Residential Time-of-Day Service)**

(Cont'd from Sheet No. 6)

Contract.

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

Customer with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF R.S. – TOD2
(Experimental Residential Time-of-Day Service)**

Availability of Service.

Available to individual residential customers on a voluntary, experimental basis for residential electric service through one single-phase, multi-register meter capable of measuring electrical energy consumption during variable pricing periods. Limited three phase service may be available upon approval by the Company. Availability is restricted to customers served by the South Bend area circuits designated for the Company's former Smart Metering pilot program (SMPP) and the first 1,000 customers outside of the former SMPP area applying for service under this tariff.

Rate. (Tariff Code: 021)

Service Charge: \$~~18.007.30~~ per customer per month

Energy Charge: ~~9.2737.821~~¢ per kWh for all low-cost hours
~~32.23049.884~~¢ per kWh for all high-cost hours

Billing Hours.

<u>Months</u>	<u>Low Cost Hours (P1)</u>	<u>High Cost Hours (P2)</u>
Approximate Percent(%) of Annual Hours	95%	5%
October through April	All Hours	None
May through September	Midnight to 2 PM, 6 PM to Midnight	2 PM to 6 PM

NOTES: All times indicated above are local time.
All kWh consumed during weekends are billed at the low cost (P1) level.

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

(Cont'd on Sheet No. 7.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF R.S. – TOD2
(Experimental Residential Time-of-Day Service)**

(Cont'd from Sheet No. 7)

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

Contract.

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

Existing customers may initially choose to take service under this tariff without satisfying any requirement to remain on their current tariff for at least 12 months.

Customer with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**RIDER R.P.R.
(Residential Peak Reduction Rider)**

Availability of Service.

Available on a voluntary basis for customers receiving residential electric service.

For non-owner occupied multi-family dwellings, the Company may require permission from the owner to install load control equipment and, if necessary, auxiliary communicating devices. Customers will not be eligible for this rider if the owner does not allow installation of such equipment.

Program Description.

To participate, customers must allow the Company, or its authorized agents, to install load control equipment and, if necessary, auxiliary communicating devices to control the customer's central electric cooling unit(s). All such devices shall be installed at a time that is consistent with the orderly and efficient deployment of this program.

The Company will utilize the installed control devices to reduce customer's energy use during load management events. The Company plans to control devices for up to 150 hours per year with no single event lasting more than six (6) consecutive hours. The Company plans to initially utilize a 50% cycling strategy of the central electric cooling unit(s) during summer months. However, other cycling strategies may be employed and evaluated to determine the strategy that optimizes load reduction without significantly affecting customer comfort.

Company planned load management events shall not exceed six (6) hours per day. Such non-emergency load management events shall not exceed 15 events per year and shall occur only during the months of May through September between Noon and 8 pm.

The customer may opt out of a Company planned load management event by contacting the Program Administrator by telephone.

For emergency and pre-emergency purposes, load management events shall not exceed 10 events per PJM planning year (June – May) and not last longer than six (6) hours duration. Emergencies and pre-emergencies shall be determined by PJM as defined in PJM Manual 13 – Emergency Operations. Emergency and pre-emergency load management events can only occur between Noon and 8 pm on weekdays during June through September.

Rate Credit.

Customers shall receive an \$8.00 monthly billing credit for each central electric cooling unit controlled during the billing months of May to September.

Such credit shall not reduce the customer's bill below the minimum charge as specified in the tariff under which the customer takes service.

(Cont'd on Sheet No. 8.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**RIDER R.P.R.
(Residential Peak Reduction Rider)**

(Cont'd from Sheet No. 8)

Equipment.

The Company or its authorized agents will furnish and install, in the customer's presence, load control equipment, and, if necessary, an auxiliary communicating device at the customer's residence. All equipment will be owned and maintained by the Company until such time as the Residential Peak Reduction Program is discontinued or the customer requests to be removed from the program after completing the initial mandatory period of one (1) year. At that time, the load control equipment and any auxiliary communicating devices will be removed by the Company or its authorized agents. The customer is not required to pay a deposit for any auxiliary communicating equipment; however, failure to return the auxiliary communicating device in good working order may result in additional charges in the amount of the current prevailing cost of the auxiliary equipment.

Should the customer lose or damage the load control devices or auxiliary communicating equipment, the customer will be responsible for the cost of repairing or replacing the device(s). If the device(s) malfunctions through no fault of the customer, the Company will replace or repair at its expense.

Contract.

Participating customers must agree to participate for an initial period of one (1) year and thereafter may discontinue participation by telephone.

Special Terms and Conditions.

This Rider is subject to the Company's Terms and Conditions of Service and all provisions of the tariff under which the Customer takes service, including all payment provisions.

The Company shall not be required to install load control equipment if the installation can not be justified for reasons such as: technological limitations, safety concerns, or abnormal utilization of equipment, including vacation or other limited occupancy residences.

The Company and its authorized agents shall be permitted access to the customer's premises during normal business hours to install, inspect, test, or maintain the load control device(s). The Company may also be allowed access to the customer's premise to repair or remove faulty load control device(s). In the event the Company requires access to load control device(s), and the customer does not provide such access within 30 days of the request, then the Company may discontinue the Rate Credit until such time as the Company is able to gain the required access. The Company shall not be responsible for the repair, maintenance or replacement of any customer-owned equipment.

The Company may collect data during the course of this load control program. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF G.S.
(General Service)**

Availability of Service.

Available for general service customers. Customers may continue to qualify for service under this tariff until their 12-month average metered demand exceeds 1,000 kW.

Rate.		Demands			Monthly Service Charge (\$)
Tariff Code	Service Voltage	Greater Than 10 kW (\$/kW)	First 4,500 kWh (¢/kWh)	Over 4,500 kWh (¢/kWh)	
215, 218	Secondary	7.0444-695	11.3607-762	7.9735-840	19.009-70
217	Primary	4.5053-292	11.0417-559	7.7505-662	116.50
236	Subtransmission	0.8890-928	10.8947-442	7.6455-574	116.50
239	Transmission	0.8790-947	10.7797-373	7.5665-549	116.50

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

Credit Modifying Rate.

Bills computed under the rate set forth herein will be modified by credits as follows:

Metered Voltage

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss-compensating equipment, the use of formulas to calculate losses, or the application of multipliers to the metered quantities. In such cases, the metered kWh and kW values will be adjusted for billing purposes. If the Company elects to adjust kWh and kW based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

(Cont'd on Sheet No. 9.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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INDIANA UTILITY REGULATORY COMMISSION
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IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF G.S.
(General Service)**

(Cont'd from Sheet No. 9)

Monthly Billing Demand.

Billing demand in kW shall be taken each month as the single-highest 15-minute peak as registered during the month by a 15-minute integrating demand meter or, at the Company's option, as the highest registration of a thermal-type demand meter corrected to the nearest kW. For accounts over 100 kW, monthly billing demand established hereunder shall not be less than 60 percent of the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 kW. If more than 50 percent of the customer's connected load is for electric space heating purposes, the minimum monthly billing demand will be 25 percent of the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 kW for the billing months of June through October. The Metered Voltage adjustment, as set forth above, shall not apply to the customer's minimum monthly billing demand. The Monthly Billing Demand shall be rounded to the nearest kW. The Demand Charge shall be applied to monthly demands in excess of 10 kW.

The Company reserves the right to install a demand meter on any customer receiving service under this tariff although any customer with an average monthly kWh usage of 4,500 kWh or greater a demand meter will be installed by the Company.

Off-Peak Hour Provision.

Demand created during the off-peak hours (as set forth below) shall be disregarded for billing purposes provided that the billing demand shall not be less than 60 percent of the maximum demand created during the billing month nor less than 60 percent of the customer's highest previously established monthly billing demand during the past 11 months, or 100 kW. Availability is limited to the first 50 customers applying for service under this provision.

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

Contract.

Either party shall give at least six months' written notice to the other of the intention to discontinue service under the terms of this tariff. A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

Where new Company facilities are required, the Company reserves the right to require initial contracts for periods of one year or greater for all customers served under this tariff.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

The Company may not be required to supply capacity in excess of that contracted for except by mutual agreement.

(Cont'd on Sheet No. 9.2)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**TARIFF G.S.
(General Service)**

(Cont'd from Sheet No. 9.1)

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy supply ~~but~~ who ~~desire to~~ purchase standby or backup electric service from the Company. Where such conditions exist, the customer shall contract for the maximum amount of demand in kW which the Company might be required to furnish, but not less than 10 kW. The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

Load Management Time-of-Day Provision.

Available to customers who use energy-storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space-heating and/or cooling systems and water heaters which consume electrical energy only during off-peak hours specified by the Company and store energy for use during on-peak hours.

Customers shall have the option of receiving service under Tariff G.S. for their general-use load by separately wiring this equipment to a standard meter.

Rate. (Tariff Code 223)

Service Charge: \$~~19.00~~~~40.90~~ per customer per month

Energy Charge: ~~15.58~~~~140.829~~¢ per kWh for all on-peak kWh
 ~~4.420~~~~2.903~~¢ per kWh for all off-peak kWh

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

The customer shall be responsible for all local facilities required to take service under this provision.

(Cont'd on Sheet No. 9.3)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF G.S.
(General Service)**

(Cont'd from Sheet No. 9.2)

Optional Unmetered Service Provision.

Available to customers with 12-month average demands less than 10 kW, and who use the Company's service for commercial purposes consisting of small, fixed electric load such as traffic signals and signboards. This service will be furnished at the option of the Company. Each separate service delivery point shall be considered a contract location and shall be separately billed under the service contract. In the event one customer has several accounts for like service, the Company may meter one account to determine the appropriate kilowatt-hour usage applicable for each of the accounts.

The customer shall furnish switching equipment satisfactory to the Company. The customer shall notify the Company in advance of every change in connected load or change in operation, and the Company reserves the right to inspect the customer's equipment at any time to verify the actual energy consumption. In the event of the customer's failure to notify the Company of an increase in load, the Company reserves the right to refuse to serve the contract location thereafter under this provision and shall be entitled to bill the customer on the basis of the increased load for the full period such load was connected or for a period of one year, whichever period is shorter, pursuant to 170 IAC 4-1-14(B).

Calculated energy use per month shall be equal to the contract capacity specified at the contract location times the number of days in the billing period times the specified hours of operation. Such calculated energy shall then be billed at the following rate:

| Rate. (Tariff Codes ~~204 and 214, 204 and 207~~)

| Service Charge: ~~\$7.805-05~~ per customer per month

| Energy Charge: ~~11.3607-762¢~~ per kWh

| If the company determines, at its sole option, that unmetered service can be provided to a customer without the use of a line transformer or service drop, the above unmetered service provisions shall apply, except that the monthly service charge shall be ~~\$5.004-20~~ per customer per month.

| This provision is subject to the Terms and Conditions of Tariff ~~S.G.S.~~

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**Tariff G.S. – TOD
(General Service – Time-of-Day)**

Availability of Service.

Available for general service customers. Customers may continue to qualify for service under this tariff until their 12-month average metered demand exceeds 150 kW. Availability is limited to the first ~~4,500~~ **2,000** customers applying for service under this tariff.

Rate.

<u>Tariff Code</u>	<u>Service Voltage</u>	<u>On-Peak Energy Charge (¢/KWH)</u>	<u>Off-Peak Energy Charge (¢/KWH)</u>	<u>Monthly Service Charge (\$)</u>
229	Secondary	15.58 14.829	4.42 2.903	19.00 10.90
227	Primary	12.52 0.270	4.36 4.850	116.10

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. ~~36~~ **4**.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

(Cont'd on Sheet No. 10.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**Tariff G.S. – TOD
(General Service – Time-of-Day)**

(Cont'd from Sheet No. 10)

Metered Voltage.

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss-compensating equipment, the use of formulas to calculate losses, or the application of multipliers to the metered quantities. In such cases, the metered kWh values will be adjusted for billing purposes. If the Company elects to adjust kWh based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

Contract.

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

TARIFF G.S. – TOD2
(Experimental General Service Time-of-Day Service)

Availability of Service.

Available on a voluntary, experimental basis for general service to customers with 12-month average demands less than 10 kW through one ~~single-phase~~, multi-register meter capable of measuring electrical energy consumption during variable pricing periods. Availability is restricted to customers served by the South Bend area circuits designated for the Company's former Smart Metering pilot program (SMPP) and the first 200 customers outside of the former SMPP area applying for service under this tariff.

Rate. (Tariff Code: 221)

Service Charge: \$~~19,009.70~~ per customer per month

Energy Charge: ~~9.5967.222~~¢ per kWh for all low-cost hours
~~32.78814.131~~¢ per kWh for all high-cost hours

Billing Hours.

<u>Months</u>	<u>Low Cost Hours (P1)</u>	<u>High Cost Hours (P2)</u>
Approximate Percent (%) Of Annual Hours	95%	5%
October through April	All Hours	None
May through September	Midnight to 2 PM, 6 PM to Midnight	2 PM to 6 PM

NOTES: All times indicated above are local time.
All kWh consumed during weekends are billed at the low cost (P1) level.

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

(Cont'd on Sheet No. 11.1)

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF G.S. – TOD2
(Experimental General Service Time-of-Day Service)**

(Cont'd from Sheet No. 11)

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

Contract.

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

Existing customers may initially choose to take service under this tariff without satisfying any requirement to remain on their current tariff for at least 12 months.

Customer with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**Tariff L.G.S.
(Large General Service)**

Availability of Service.

Available for general service customers with 12-month average metered demands less than 1,000 kW. Customer's monthly billing demands under this tariff shall not be less than 60 kVA. Customers may continue to qualify for service under this tariff until their 12-month average billing demand exceeds 1,000 kVA.

Rate.

Tariff Code	Service Voltage	Demand Charge (\$/KVA)	First 300 kWh per kVA (¢/KWH)	Over 300 kWh per kVA (¢/KWH)	Monthly Service Charge (\$)
240-242	Secondary	7.0444.695	7.1766.217	5.1204.216	35.30
244-246	Primary	4.5063.292	6.9766.057	4.9794.106	159.20
248	Subtransmission	0.8900.928	6.8815.962	4.9114.043	159.20
250	Transmission	0.8780.917	6.8095.905	4.8584.005	159.20

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

Monthly Billing Demand.

Billing demand in kVA shall be taken each month as the single-highest 15-minute integrated peak in kilowatts as registered during the month by a 15-minute integrating demand meter or indicator or, at the Company's option, as the highest registration of a thermal-type demand meter or indicator, divided by the average monthly power factor established during the month, and corrected to the nearest kVA. Monthly billing demand established hereunder shall not be less than 60 percent of the customer's highest previously established monthly billing demand during the past 11 months, or 100 kVA. If more than 50 percent of the customer's connected load is for electric space-heating purposes, the minimum monthly billing demand will be 25 percent of the customer's highest previously established monthly billing demand during the past 11 months, or 100 kVA for the billing months of June through October. The Metered Voltage adjustment, as set forth below, shall not apply to the customer's minimum monthly billing demand.

(Cont'd on Sheet No. 12.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

**Tariff L.G.S.
(Large General Service)**

(Cont'd from Sheet No. 12)

Off-Peak Hour Provision.

Demand created during the off-peak hours (as set forth below) shall be disregarded for billing purposes provided that the billing demand shall not be less than 60 percent of the maximum demand created during the billing month nor less than 60 percent of the customer's highest previously established monthly billing demand during the past 11 months, or 100 kVA. Availability is limited to the first 50 customers applying for service under this provision.

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

Adjustments to Rate.

Bills computed under the rate set forth herein will be adjusted as follows:

A. Power Factor

The rate set forth in this tariff is subject to power factor based upon the maintenance by the customer of an average monthly power factor of 85 percent, leading or lagging, as measured by integrating meters. When the average monthly power factor is above or below 85 percent, leading or lagging, the kWh as metered will, for billing purposes, be multiplied by the constant, rounded to the nearest 0.0001, derived from the following formula:

$$\text{Constant} = 0.9510 + \left[0.1275 \left[\frac{\text{RKVAH}}{\text{KWH}} \right]^2 \right]$$

(Cont'd on Sheet No. 12.2)

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**Tariff L.G.S.
(Large General Service)**

(Cont'd from Sheet No. 12.1)

B. Metered Voltage

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss-compensating equipment, the use of formulas to calculate losses, or the application of multipliers to the metered quantities. In such cases, the metered kWh and kVA values will be adjusted for billing purposes. If the Company elects to adjust kWh and kVA based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

Terms of Contract.

Either party shall give at least six months' written notice to the other of the intention to discontinue service under the terms of this tariff. A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

Where new Company facilities are required, the Company reserves the right to require initial contracts for periods of one year or greater for all customers served under this tariff.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

The Company may not be required to supply capacity in excess of that contracted for except by mutual agreement.

(Cont'd on Sheet No. 12.3)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**Tariff L.G.S.
(Large General Service)**

(Cont'd from Sheet No. 12.2)

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy supply ~~but~~ who ~~desire to~~ purchase standby or backup service from the Company. Where such conditions exist, the customer shall contract for the maximum amount of demand in kVA which the Company might be required to furnish, but not less than 100 kVA. The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

Load Management Time-of-Day Provision.

Available to customers who use energy-storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space-heating and/or cooling systems and water heaters which consume electrical energy only during off-peak hours specified by the Company and store energy for use during on-peak hours.

Customers shall have the option of receiving service under Tariff L.G.S. for their general-use load by separately wiring this equipment to a standard meter.

Rate. (Tariff Code 251)

Service Charge:	\$35.30 per customer month
Energy Charge:	15.58140.829 ¢ per kWh for all on-peak kWh 4.4202.903 ¢ per kWh for all off-peak kWh

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

The customer shall be responsible for all local facilities required to take service under this provision.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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INDIANA UTILITY REGULATORY COMMISSION
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**Tariff L.G.S. – TOD
(Large General Service – Time-of-Day)**

Availability of Service.

Available for general service customers. Customers may continue to qualify for service under this tariff until their 12-month average metered demand exceeds 1,000 kW. Availability is limited to the first 500 customers applying for service under this tariff.

Rate.

<u>Tariff Code</u>	<u>Service Voltage</u>	<u>Demand Charge (\$/KW)</u>	<u>On-Peak Energy Charge (¢/KWH)</u>	<u>Off-Peak Energy Charge (¢/KWH)</u>	<u>Monthly Service Charge (\$)</u>
253	Secondary	6.1183-727	11.7888-710	4.420 2-903	35.30
255	Primary	3.6042-345	10.2397-928	4.3642-850	116.10

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. ~~364~~.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

(Cont'd on Sheet No. 13.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**Tariff L.G.S. – TOD
(Large General Service – Time-of-Day)**

(Cont'd from Sheet No. 13)

Metered Voltage

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss-compensating equipment, the use of formulas to calculate losses, or the application of multipliers to the metered quantities. In such cases, the metered kWh and kW values will be adjusted for billing purposes. If the Company elects to adjust kWh and kW based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

Monthly Billing Demand.

Billing demand in kW shall be taken each month as the single-highest 15-minute peak as registered during the month by a 15-minute integrating demand meter or, at the Company's option, as the highest registration of a thermal-type demand meter corrected to the nearest kW. For accounts over 100 kW, monthly billing demand established hereunder shall not be less than 60 percent of the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 kW. If more than 50 percent of the customer's connected load is for electric space- heating purposes, the minimum monthly billing demand will be 25 percent of the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 kW for the billing months of June through October. The Metered Voltage adjustment, as set forth above, shall not apply to the customer's minimum monthly billing demand.

Contract.

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF I.P.
(Industrial Power)**

Availability of Service.

Available for general service customers. Customer's monthly billing demands under this tariff shall not be less than 600 kVA. The customer shall contract for a sufficient capacity to meet normal maximum requirements, but in no case shall the capacity contracted for be less than 1,000 kVA.

Rate.

<u>Tariff Code</u>	<u>Service Voltage</u>	<u>Demand Charge (\$/KVA)</u>	<u>First 410 kWh per kVA (¢/KWH)</u>	<u>Over 410 kWh per kVA (¢/KWH)</u>	<u>Monthly Service Charge (\$)</u>
327	Secondary	10.4458-757	6.632-4.897	1.4501-953	115.00
322	Primary	7.8227-264	6.446-4.769	1.4091-901	171.00
323	Subtransmission	4.1594-819	6.361-4.695	1.392-1.872	171.00
324	Transmission	4.1114-764	6.293-4.651	1.376-1.854	171.00

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the sum of the Monthly Service Charge, the product of the Minimum Demand Charge and the monthly billing demand, and all applicable riders.

The Minimum Demand Charge under this tariff shall be as follows:

<u>Tariff Code</u>	<u>Service Voltage</u>	<u>Minimum Demand Charge (\$/KVA)</u>
327	Secondary	14.9229-730
322	Primary	12.1858-216
323	Subtransmission	8.4625-751
324	Transmission	8.3665-685

(Cont'd on Sheet No. 14.1)

**ISSUED BY
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PRESIDENT
FORT WAYNE, INDIANA**

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INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF I.P.
(Industrial Power)**

(Cont'd from Sheet No. 14)

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3, there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

Monthly Billing Demand.

The billing demands in kVA for each plant shall be taken each month as the single-highest 15-minute integrated peak in kVA, as registered at such plant during the month by a demand meter or indicator, subject to the off-peak hour provision, but the monthly demand so established shall in no event be less than 60 percent of the greater of (a) the customer's contract capacity or (b) the customer's highest previously established monthly billing demand during the past 11 months. The Metered Voltage adjustment, as set forth below, shall not apply to the customer's minimum monthly billing demand.

Off-Peak Hour Provision.

Demand created during the off-peak hours (as set forth below) shall be disregarded for billing purposes provided that the billing demand shall not be less than 60 percent of the maximum demand created during the billing month nor less than 60 percent of either (a) the contract capacity or (b) the customer's highest previously established monthly billing demand during the past 11 months.

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

(Cont'd on Sheet No. 14.2)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**TARIFF I.P.
(Industrial Power)**

(Cont'd from Sheet No. 14.1)

Adjustments to Rate.

Bills computed under the rates set forth herein will be adjusted as follows:

A. Power Factor

The rates set forth in this tariff are subject to power factor adjustment based upon the maintenance by the customer of an average monthly power factor of 85 percent, leading or lagging, as measured by integrating meters. When the average monthly power factor is above or below 85 percent, leading or lagging, the kWh as metered will, for billing purposes, be multiplied by the constant, rounded to the nearest 0.0001, derived from the following formula:

$$\text{Constant} = 0.9510 + \left[0.1275 \left[\frac{\text{RKVAH}}{\text{KWH}} \right]^2 \right]$$

B. Metered Voltage

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss-compensating equipment, the use of formulas to calculate losses, or the application of multipliers to the metered quantities. In such cases, the metered kWh and kVA values will be adjusted for billing purposes. If the Company elects to adjust kWh and kVA based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

(Cont'd on Sheet No. 14.3)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF I.P.
(Industrial Power)**

(Cont'd from Sheet No. 14.2)

Terms of Contract.

Contracts under this tariff will be made for an initial period of not less than two years and shall remain in effect thereafter until either party shall give at least one year's written notice to the other of the intention to discontinue service under the terms of this tariff. Where new facilities are required, the Company reserves the right to require initial contracts for periods of greater than two years.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

The Company shall not be required to supply capacity in excess of that contracted for except by mutual agreement.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy supply ~~but~~ who ~~desire to~~ purchase standby or backup service from the Company. Where such conditions exist, the customer shall contract for the maximum amount of demand in kVA which the Company might be required to furnish, but not less than 1,000 kVA.

The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods, and the minimum charge shall be as set forth under paragraph "Minimum Charge" above.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF C.S. – IRP2
(Contract Service Interruptible Power)**

Availability of Service.

Available to customers having interruptible demands of 1,000 kW/kVA or greater, who contract for service under one of the Company's interruptible service options. The Company reserves the right to limit the total contract capacity for all customers served under this tariff to 235,000 kVA.

Conditions of Service.

The Company will offer eligible customers the opportunity to receive service under options which provide for mandatory (capacity) interruptions and discretionary (energy) interruptions pursuant to a contract agreed to by the Company and the Ccustomer.

For mandatory (capacity) interruptions, the minimum interruption requirement shall be the minimum required under the PJM Interconnection, LLC (PJM) Emergency Load Response Program for capacity purposes, or any successor thereto. The minimum compensation for mandatory (capacity) interruptions shall be 80% of the applicable PJM Reliability Pricing Model ("RPM") clearing price.

Upon receipt of a request from the Ccustomer for interruptible service, the Company will provide the Ccustomer with a written offer containing the rates and related terms and conditions of service under which such service will be provided by the Company. If the parties reach an agreement based upon the offer provided to the Ccustomer by the Company, such written contract will be filed with the Commission for approval. The contract shall provide full disclosure of all rates, terms and conditions of service under this tariff, and any and all agreements related thereto, subject to the designation of the terms and conditions of the contract as confidential, as set forth herein.

The Company reserves the right to test and verify the customer's ability to curtail. Any such test or verification may require actual physical interruption or curtailment, to the extent such testing or interruption is required under PJM's Emergency Load response program.

Rate.

Charges for service under this schedule will be set forth in the written agreement between the Company and the Ccustomer and will reflect a discount from the firm service rates otherwise available to the Ccustomer.

(Cont'd on Sheet No. 15.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF C.S. – IRP2
(Contract Service Interruptible Power)**

(Cont'd from Sheet No. 15)

Contract Terms.

The length of the agreement and the terms and conditions of service will be stated in the agreement between the Company and the ~~C~~customer.

Confidentiality.

All terms and conditions of any written contract under this schedule shall be protected from disclosure as confidential, proprietary trade secrets pursuant to Indiana Code 5-14-3 if:

- a. either the ~~C~~customer or the Company requests a Commission determination of confidentiality, and
- b. the Commission finds that the party requesting such protection has shown good cause, by affidavit, for protecting the terms and conditions of the contract.

Terms and Conditions.

Except as otherwise provided in the written agreement, the Company's Terms and Conditions of Service shall apply to service under this tariff.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

**TARIFF M.S.
(Municipal and School Service)**

This tariff is withdrawn except for the present installations of customers receiving service hereunder at premises served prior to April 6, 1981. When new or upgraded facilities are required to maintain service to a Tariff M.S. customer, the customer shall be removed from Tariff M.S. and be required to take service under an appropriate general service tariff for which the customer qualifies.

Availability of Service.

Available to governmental authorities of municipalities, townships, counties, the State of Indiana, and the United States for the supply of electric energy to public buildings or locations which are supported by public tax levies and to primary and secondary schools.

Rate. (Tariff Code 543 - 544)

Service Charge: \$ 21.30 per customer per month

Energy Charge: ~~10.4777-535¢~~ per kWh

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. ~~36~~4.

(Cont'd on Sheet No. 16.1)

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF M.S.
(Municipal and School Service)**

(Cont'd from Sheet No. 16)

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3. Any governmental agency shall be allowed such additional period of time for payment of the net bill as the agency's normal fiscal operations require, not to exceed 30 days.

Terms of Contract.

Contracts under this tariff will be made for not less than one year with self-renewal provisions to extend the term of the contract for successive periods of one year until either party shall give at least 60 days' notice to the other of the intention to discontinue at the end of any yearly period. The Company will have the right to require contracts for periods of longer than one year.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
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I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

**TARIFF W.S.S.
(Water and Sewage Service)**

Availability of Service.

Available for the supply of electric energy to waterworks systems and sewage disposal systems.

Rate.

<u>Tariff Code</u>	<u>Service Voltage</u>	<u>Energy Charge (¢/kWh)</u>	<u>Monthly Service Charge (\$)</u>
545	Secondary	7.5476-002	20.9012-65
546	Primary	6.5905-445	99.4055-45
542	Subtransmission	5.4664-715	99.4055-45

Monthly Demand.

The monthly demand in kW shall be taken each month as the single-highest 15-minute integrated peak in kW, as registered during the month by a 15-minute integrating demand meter or indicator.

Minimum Charge.

The tariff is subject to a minimum monthly charge equal to the sum of \$~~4.854-05~~ per kW of the customer's minimum monthly demand, the monthly service charge, and all applicable riders. The customer's minimum monthly demand shall be the greater of the customer's contract reservation or the customer's highest previously established monthly demand during the past eleven months.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. ~~36~~4.

(Cont'd on Sheet No. 17.1)

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF W.S.S.
(Water and Sewage Service)**

(Cont'd from Sheet No. 17)

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3. Any governmental agency shall be allowed such additional period of time for payment of the net bill as the agency's normal fiscal operations require, not to exceed 30 days.

Metered Voltage.

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss-compensating equipment, the use of formulas to calculate losses, or the application of multipliers to the metered quantities. In such cases, the metered kWh and kW values will be adjusted for billing purposes. If the Company elects to adjust kWh and kW based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

Terms of Contract.

For customers with 12-month average demands greater than 1,000 kW, contracts under this tariff will be made for an initial period of not less than one year and shall remain in effect thereafter until either party shall give at least six months' written notice to the other of the intention to discontinue service under the terms of this tariff. Where new Company facilities are required, the Company reserves the right to require initial contracts for periods greater than one year. For customers with demands less than 1,000 kW, a written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service.

(Cont'd on Sheet No. 17.2)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF W.S.S.
(Water and Sewage Service)**

(Cont'd from Sheet No. 17.1)

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy supply ~~but who desire to~~ purchase standby or backup service from the Company. Where such conditions exist, the customer shall contract for the maximum amount of demand in kW which the Company might be required to furnish. The Company shall not be obligated to supply demands in excess of that contracted for. ~~Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the contract demand, and the minimum charge shall be as stated above.~~

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

Optional Time-of-Day Provision.

Customers have the option to receive service on the following rate:

Rate.

<u>Tariff Code</u>	<u>Service Voltage</u>	<u>On-Peak Energy Charge (¢/kWh)</u>	<u>Off-Peak Energy Charge (¢/kWh)</u>	<u>Monthly Service Charge (\$)</u>
547	Secondary	11.7289-453	4.4212-904	20.9013-85
549	Primary	10.728-8-845	4.2222-788	99.4056-65
551	Subtransmission	9.6528-120	4.0612-679	99.4056-65

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, Monday through Friday. The off-peak billing period is defined as those hours not designated as on-peak hours.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
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IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF E.H.G.
(Electric Heating General)**

This tariff is withdrawn except for the present installations of customers receiving service hereunder at premises served prior to April 6, 1981. When new or upgraded facilities are required to maintain service to a Tariff E.H.G. customer, the customer shall be removed from Tariff E.H.G. and be required to take service under an appropriate general service tariff for which the customer qualifies.

Availability of Service.

Available for the entire requirements of general service customers who have electric-heating equipment installed and in regular active use as the primary means of space heating on the customer's premises.

Rate. (Tariff Code 208)

Service Charge: \$~~17.0544.20~~ per customer per month

Energy Charge: ~~12.1948.530¢~~ per kWh

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. ~~36~~**4**.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

Terms of Contract.

Annual.

(Cont'd on Sheet No. 18.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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INDIANA UTILITY REGULATORY COMMISSION
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF E.H.G.
(Electric Heating General)**

(Cont'd from Sheet No. 18)

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is available only to customers where at least 50 percent of the electrical load is located inside of buildings which are electrically heated.

Energy supplied hereunder will be delivered through not more than one single-phase or polyphase meter.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS (Net Metering Service Rider), Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF O.L.
(Outdoor Lighting)**

Availability of Service.

Available for outdoor lighting to individual customers, including community associations and real estate developers located in areas not covered by municipal streetlighting systems. This tariff is not available for municipal street lighting.

Customers requesting the installation of a new light shall have the obligation to insure that the requested location for the light will not be objectionable to other property owners in the immediate vicinity. In the event of a dispute that results in the removal or relocation of the installation, the customer will be responsible for the costs of removal or relocation.

Customers requesting a light that requires the installation of a new pole on their property may designate the location of the new pole, provided that the pole location is approved by the Company.

The Energy Policy Act of 2005 requires that mercury vapor lamp ballasts shall not be manufactured or imported after January 1, 2008. To the extent that the Company has the necessary materials, the Company will continue to maintain existing mercury vapor lamp installations in accordance with this Tariff.

Rate.

For each lamp with luminaire and an upsweep arm not over 6 feet in length, controlled by a photoelectric relay, where service is supplied from an existing pole and secondary facilities of Company:

Standard Luminaire	Tariff Code Floodlight	Post Top	Nominal Lamp Wattage	Approx. Lamp Lumens	Type of Lamp	Rate Per Lamp Per Month		
						On Wood Pole With Overhead Circuitry Standard Luminaire	Floodlight	Post-top Lamp on Fiberglass Pole With UG Circuitry*
						\$	\$	\$
094		121	100	9,500	HPS	9.40 8.40	---	24.75 22.00
097	107	---	200	22,000	HPS	14.05 12.65	15.60 14.15	---
098	109	---	400	50,000	HPS	22.35 20.50	22.10 20.00	---
---	110	---	250	17,000	MH	---	17.10 15.45	---
---	116	---	400	28,800	MH	---	21.45 19.45	---

* Monthly rate includes Company providing one lamp, one seventeen foot fiberglass pole and one span of underground wire lateral not over 50 Feet in length.

When other new facilities are to be installed by the Company, the customer will, in addition to the above monthly charge, pay in advance the installation cost of such new overhead facilities extending from the nearest or most suitable pole of the Company to the point designated by the customer for the installation of said lamp, except that customer may, for the following facilities only, elect, in lieu of such payment of the installation cost, to pay:

(Cont'd on Sheet No. 19.1)

**ISSUED BY
TOBY L. THOMAS
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FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**TARIFF O.L.
(Outdoor Lighting)**

(Cont'd from Sheet No. 19)

30 Foot Wood Pole	\$1,604.40	per month
35 Foot Wood Pole	\$2,302.05	per month
40 Foot Wood Pole	\$3,202.85	per month
Overhead Wire Span Not Over 150 Feet	\$1,204.05	per month
Underground Wire Lateral Not Over 50 Feet	\$5,955.25	per month

(Price includes pole riser and connections)

When a customer requests service hereunder requiring wire span lengths in excess of 150 feet, special poles for fixture, or special protection for poles (for example, in parking lots), the customer will be required to make a contribution equal to the additional investment required as a consequence of the special facilities. This includes the cost of underground wire circuits in excess of 50 feet, for which the customer will be required to pay \$8.10 per foot of excess footage, plus any and all costs required to repair, replace, or push under sidewalks, pavement, or other obstacles.

Rate: Discontinued Lamps.

The following rates apply to existing luminaires only and are not available for new business:

Tariff
Code

090	2,500 Lumen Incandescent – 189 Watt	\$11.05 9.95	per lamp per month
093	7,000 Lumen Mercury Vapor – 175 Watt	\$11.55 10.40	per lamp per month
095	20,000 Lumen Mercury Vapor – 400 Watt	\$19.50 17.65	per lamp per month
100	50,000 Lumen Mercury Vapor – 1,000 Watt	\$35.25 32.20	per lamp per month
103	3,850 Lumen Mercury Vapor – 100 Watt	\$ 10.75 9.65	per lamp per month
114	20,000 Lumen Mercury Vapor Flood – 400 Watt	\$22.15 20.00	per lamp per month
119	50,000 Lumen Mercury Vapor Flood – 1,000 Watt	\$40.45 36.80	per lamp per month
106	5,800 Lumen High Pressure Sodium – 70 Watt	\$ 8.55 7.60	per lamp per month
108	25,500 Lumen High Pressure Sodium – 250 Watt	\$17.45 15.70	per lamp per month
115	9,500 Lumen High Pressure Sodium – 100 Watt	\$14.85 13.25	per lamp per month

(Cont'd on Sheet No. 19.2)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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INDIANA UTILITY REGULATORY COMMISSION
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IN CAUSE NO.**

I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

**TARIFF O.L.
(Outdoor Lighting)**

(Cont'd from Sheet No. 19.1)

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3, there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

Customer Liability Contracts.

~~Contracts~~ New applications under this tariff will not be for less than one contract year for services on existing facilities and not less than five contract years when new ~~poles~~ facilities must be installed. In the case of customers ~~contracting~~ requesting for four or more lamps, the Company reserves the right to require a include in the contract including such other provisions as it may deem necessary to insure payment of bills throughout the term as stated above ~~of the contract~~.

Hours of Lighting.

All lamps shall burn from one-half hour after sunset until one-half hour before sunrise, every night, or approximately 4,000 per annum.

Ownership of Facilities.

All facilities necessary for service including fixtures, controls, poles, transformers, secondary's, lamps, and other appurtenances shall be owned and maintained by the Company. All service and necessary maintenance will be performed only during the regular scheduled working hours of the Company. Burned-out lamps will normally be replaced within 48 hours after notification by customer.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF T.O.L.
(Timed Outdoor Lighting)**

Availability of Service.

Available on an experimental basis to at least 20 customers receiving service for five or more lamps under Tariff O.L. (Outdoor Lighting). This service is offered as an option to those who do not require the hours of lighting provided by Tariff O.L. The Company reserves the right to curtail availability at any time after 20 installations have been completed. This tariff is not available for municipal street lighting.

The Energy Policy Act of 2005 requires that mercury vapor lamp ballasts shall not be manufactured or imported after January 1, 2008. To the extent that the Company has the necessary materials, the Company will continue to maintain existing mercury vapor lamp installations in accordance with this Tariff.

Monthly Rate (Credit).

For each mercury vapor, metal halide or high pressure sodium lamp placed under the control of a time clock and turned out each night at or near midnight or under the control of a timing adapter operating for approximately seven hours each night, the following schedule of credits shall apply to the monthly charges made under Tariff O.L.

Size of Lamp In Lumens	Type of Lamp	Tariff Code	Time Clock Control \$	Tariff Code	7-Hour Timing Adapter \$
5,800	High Pressure Sodium		0.55		0.45
9,500	High Pressure Sodium		0.7580		0.55
22,000	High Pressure Sodium		1.504.60	<u>112</u>	1.154.20
50,000	High Pressure Sodium	<u>101</u>	2.953.15		2.152.30
7,000	Mercury Vapor		1.304.35		0.954.00
20,000	Mercury Vapor	<u>105</u>	2.803.00		2.052.15
50,000	Mercury Vapor	<u>117</u>	6.657.10	<u>102</u>	4.855.15
17,000	Metal Halide		1.804.90		1.254.30
28,800	Metal Halide	<u>092</u>	2.803.00	<u>111</u>	2.052.15

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3, there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

(Cont'd on Sheet No. 20.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
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IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF T.O.L.
(Timed Outdoor Lighting)**

(Cont'd from Sheet No. 20)

Contracts.

Contracts for this service will take the form of a rider attachment to the agreement for service under Tariff O.L. The minimum term of the T.O.L. service rider shall be one year and shall specify the type and number of lamps to be controlled and the control method. The Company will endeavor to comply with a customer's request to control only certain of the lamps at a given location but is not obligated to do so if, in the Company's determination, this is not practical due to duplicative wiring requirements or other such implements.

Hours of Lighting.

Lamps under control of a time clock will be extinguished each night at approximately midnight EST resulting in a reduction of the annual burning time to approximately 2,000 hours per year. Lamps under control of a timing adapter will burn approximately seven hours per night or approximately 2,555 hours per year.

Discontinued Lamps.

At the Company's option, this tariff rider may be extended to lamps which have been discontinued under Tariff O.L. In such a case, the credit to be applied monthly will be determined by allowing 2.5¢ per kWh of energy saved.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service and the terms and conditions of the Company's Tariff O.L.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF S.L.S.
(Streetlighting Service)**

Availability of Service.

This tariff is withdrawn except for existing streetlights or traffic control signals serving those municipalities, counties, and other governmental subdivisions having contracted for such service under this tariff, Tariff S.L.N. (Streetlighting-New and Rebuilt Systems), or a special contract prior to the first effective date of Tariff E.C.L.S. (Energy Conservation Lighting Service).

The Energy Policy Act of 2005 requires that mercury vapor lamp ballasts shall not be manufactured or imported after January 1, 2008. To the extent that the company has the necessary materials, the Company will continue to maintain existing mercury vapor lamp installations in accordance with this Tariff.

Monthly Rate. (Tariff Code 533)

Size of Lamp in Lumens	Type of Lamp	Price Per Lamp Per Month		
		On Wood Poles With Overhead Circuitry	On Metallic or Concrete Poles With Overhead Circuitry	Underground Circuitry
1,000	Incandescent	--	--	15.15 12.15
2,500	Incandescent	--	--	21.35 17.20
4,000	Incandescent	--	--	30.50 24.55
7,000	Mercury Vapor	10.85 8.85	16.30 13.20	19.70 15.90
20,000	Mercury Vapor	16.40 13.50	23.05 18.80	26.75 21.75
50,000	Mercury Vapor	--	36.60 30.15	--
16,000	High Pressure Sodium	15.05 12.20	22.25 17.95	28.00 22.55
25,500	High Pressure Sodium	17.50 14.25	24.75 20.05	--

Rate for Traffic Control Signals.

For post type traffic director units, which are supplied energy for their operation but owned and maintained by the customer, having normally one lamp of 69 watts or less capacity burning at the same time except during a change in signal when no more than two lamps are burning simultaneously for a period not to exceed 15 percent of the total time to complete an entire cycle of signal changes, ~~\$3.20~~2.85/Month.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

(Cont'd on Sheet No. 21.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF S.L.S.
(Streetlighting Service)**

(Cont'd from Sheet No. 21)

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3, there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3. Any governmental agency shall be allowed such additional period of time for payment of the net bill as the agency's normal fiscal operations required, not to exceed 30 days.

Streetlighting Facilities.

All facilities necessary for streetlighting service hereunder, including but not limited to, all poles, fixtures, streetlighting circuits, transformers, lamps, and other necessary facilities, shall be the property of the Company and may be removed if the Company so desires at the termination of any contract for service hereunder. The Company will maintain all such facilities; however, the Company will not be responsible for replacing or rebuilding obsolete, discontinued, decorative, or other facilities which in the opinion of the Company are too expensive or unusual to replace or rebuild. In such instances the customer may at its own expense replace or rebuild the facilities or may contract for new service under any applicable tariff.

Hours of Lighting.

Streetlighting lamps shall burn from approximately one-half hour after sunset until approximately one-half hour before sunrise, every night, approximately 4,000 hours per annum. Traffic director units may operate 24 hours per day, every day, approximately 8,760 hours per annum.

Lamp Outages.

For all outages which shall be reported daily in writing to the Company by a proper representative of the customer, the customer may deduct from the total monthly amount 1/30 of the amount which would have been paid for any lamp had no outage occurred for each day of outage beyond two working days.

Terms of Contract.

Contracts under this tariff shall be made for a term of one year with self-renewal provisions for successive terms of one year each until either party shall give at least 60 days' notice to the other of the intention to discontinue at the end of the initial term or any yearly period. The Company will have the right to require contracts for periods longer than one year.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

TARIFF E.C.L.S.
(Energy Conservation Lighting Service)

Availability of Service.

Available for streetlighting service to municipalities, counties, and other governmental subdivisions. Also available to nongovernment entities that have written permission from the relevant municipalities, counties, and other governmental subdivision. The rates are applicable to new streetlights installed after April 6, 1981, and to 50,000 lumen high pressure sodium streetlights installed before that date. Only the lamps set forth below are available for such new service. Service rendered hereunder is predicated upon the execution by the customer of an agreement specifying the type, minimum number, and location of lamps to be served.

The Energy Policy Act of 2005 requires that mercury vapor lamp ballasts shall not be manufactured or imported after January 1, 2008. To the extent that the Company has the necessary materials, the Company will continue to maintain existing mercury vapor lamp installations in accordance with this Tariff.

Monthly Rate. (Tariff Code 530)

Nominal Lamp Wattage	Approx. Lamp Lumens	Type of Lamp	Rate Per Lamp Per Month			
			On Wood Pole With Overhead Circuitry	On Metallic or Concrete Pole Installed Prior to April 6, 1981		Post-top Lamp on Fiberglass Pole With Underground Circuitry*
			\$	Overhead Circuitry	Under-Ground Circuitry	\$
70	5,800	HPS	8.807 05	19.90 46.00	20.35 16.35	--
100	9,500	HPS	9.707 85	20.80 46.75	21.80 17.55	17.90 44.40
200	22,000	HPS	14.65 41.90	22.80 48.45	24.75 20.00	--
400	50,000	HPS	19.30 45.85	26.35 21.50	28.30 23.05	--

* Monthly rate includes Company providing one lamp, one seventeen foot fiberglass pole and one span of underground wire lateral not over 50 Feet in length.

The following rates apply to existing luminaires and are not available for new business.

175	7,000	MV	11.059 00
400	20,000	MV	17.75 44.60

The customer will be required to make a contribution-in-aid of construction calculated in accordance with the formula set forth below if the customer requests the installation of any facility other than a standard company luminaire and an upsweep arm not over 10 feet in length installed on a pole described in the above rate.

(Cont'd on Sheet No. 22.1)

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF E.C.L.S.
(Energy Conservation Lighting Service)**

(Cont'd From Sheet No. 22)

The contribution-in-aid-of-construction will equal the difference between estimated cost of the streetlighting system requested by the customer and the estimated cost of a streetlighting system using a lamp controlled by a photoelectric relay, a standard company luminaire, and an upsweep arm not over 10 feet in length installed on a wood pole with overhead circuitry of a span length not to exceed 150 feet. A customer paying a contribution-in-aid of construction will pay the above monthly rate for wood poles with overhead circuitry.

When direct buried underground facilities are requested by the customer, the estimated installed cost of the underground circuit will be \$8.10 per foot plus any and all cost required to repair, replace, or push under sidewalks, pavements, or other obstacles.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3. Any governmental agency shall be allowed such additional period of time for payment of the net bill as the agency's normal fiscal operations require, not to exceed 30 days.

Streetlighting Facilities.

All facilities necessary for streetlighting service hereunder, including but not limited to, all poles, fixtures, streetlighting circuits, transformers, lamps, and other necessary facilities, shall be the property of the Company and may be removed if the Company so desires at the termination of any contract for service hereunder. The Company will maintain all such facilities; however, the Company will not be responsible for replacing or rebuilding obsolete, discontinued, decorative, or other facilities which in the opinion of the Company are too expensive or unusual to replace or rebuild. In such instances the customer may at its own expense replace or rebuild the facilities or may contract for new service under any applicable tariff.

Hours of Lighting.

Lamps shall burn from approximately one-half hour after sunset until approximately one-half hour before sunrise, every night, approximately 4,000 hours per annum.

(Cont'd on Sheet No. 22.2)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

**TARIFF E.C.L.S.
(Energy Conservation Lighting Service)**

(Cont'd from Sheet No. 22.1)

Lamp Outages.

For all outages which are reported daily in writing to the Company by a proper representative of the customer, the customer may deduct from the total amount which would have been paid had no outage occurred 1/30 of such amount per day of outage beyond two working days after such notice.

Relocation and Removal of Lamps

Lamps may be relocated or removed when requested in writing by a proper representative of the customer, subject, however to the following conditions:

Lamps will be relocated upon payment by the customer of the estimated cost of doing the work.

Lamps will be removed upon payment by the customer of the estimated cost of doing the work.

Upon completion of the work, billing for relocation or removal of lamps will be adjusted to reflect actual costs. Charges under this tariff will end when the lamp and/or facilities are removed.

The customer shall pay the ongoing cost of any existing facilities associated with the relocated or removed lamps which must remain in place for the sole purpose of supplying power to other lamps of the customer. The ongoing cost shall be the cost as specified in Tariff O.L. for other new equipment. For any equipment not specified in Tariff O.L. the charge shall be based upon the Company's actual cost.

The Company will relocate or remove lamps as rapidly as labor conditions permit.

Terms of Contract.

Contracts under this tariff will ordinarily be made for an initial term of one year with self-renewal provisions for successive terms of one year each until either party shall give at least 60 days' notice to the other of the intention to discontinue at the end of any term. The Company will have the right to require contracts for periods of longer than one year.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF S.L.C.
(Streetlighting –Customer-Owned System)**

Availability of Service.

Available to municipalities, counties, and other governmental subdivisions for streetlighting service supplied through streetlighting systems which are owned by the municipality, county, or other governmental subdivision.

The Energy Policy Act of 2005 requires that mercury vapor lamp ballasts shall not be manufactured or imported after January 1, 2008. To the extent that the Company has the necessary materials, the Company will continue to maintain existing mercury vapor lamp installations in accordance with this Tariff.

This tariff is also available to community associations which have been incorporated under Indiana law as not-for-profit corporations. Such community association shall own the complete streetlighting system and have legal means available to it in its by-laws to pay for the service from funds which are secured by a continuing lien upon the properties of the members.

Service rendered hereunder is predicated upon the execution by the customer of an agreement specifying the type, number, and location of lamps to be served.

The availability of this service may be withheld from extension to otherwise qualifying customers' systems if in the opinion of the Company the location or design of such lighting system will create safety hazards or extraordinary difficulties in the performances of maintenance. New installations on Company owned poles is prohibited without prior Company approval.

Rate. (Tariff Code 531)

<u>Size of Lamp In Lumens</u>	<u>Type of Lamp</u>	<u>Price Per Lamp Per Month</u> \$
5,800	High Pressure Sodium	2.102.45
9,500	High Pressure Sodium	2.552.60
14,400	High Pressure Sodium	3.703.55
22,000	High Pressure Sodium	5.154.30
25,500	High Pressure Sodium	6.505.65
50,000	High Pressure Sodium	9.758.20

The following rates apply to existing luminaires and are not available for new business.

<u>Size of Lamp In Lumens</u>	<u>Type of Lamp</u>	<u>Price Per Lamp Per Month</u>
7,000	Mercury Vapor	4.55 4.40
11,000	Mercury Vapor	6.35 5.55
20,000	Mercury Vapor	9.95 8.50

(Cont'd on Sheet No. 23.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

**TARIFF S.L.C.
(Streetlighting –Customer-Owned System)**

(Cont'd from Sheet No. 23)

Service To Be Rendered.

The Company will furnish electrical energy for the operation of lamps. Customer and will be responsible for maintain same by renewals of lamps, and cleaning and replacement of glassware and The Company will not be responsible to provide replacement glassware for discontinued, decorative, or certain other luminaires which in the opinion of the Company are too expensive or unusual to warrant such replacement service. The Company may, at its option, provide service to such luminaires, but the customer will be required to provide at no cost to the Company the replacement glassware.

all Other maintenance, repair, or replacement will be the responsibility of the customer-owned system.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3, there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3. Any governmental agency shall be allowed such additional period of time for payment of the net bill as the agency's normal fiscal operations require, not to exceed 30 days.

Hours of Lighting.

Lamps shall burn from approximately one-half hour after sunset until approximately one-half hour before sunrise, every night and all night, approximately 4,000 hours per annum.

Lamp Outages.

~~For all outages which are reported daily in writing to the Company by a proper representative of the customer, the customer may deduct from the total amount which would have been paid had no outage occurred 1/30 of such amount per day of outage beyond two working days after such notice.~~

Term of Contract.

Annual.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF S.L.C.M.
(Streetlighting – Customer-Owned System – Metered)**

Availability of Service.

Available to municipalities, counties, and other governmental subdivisions for lighting on streets and highways (including illuminated signs) and in parks and other such public areas. Likewise, this tariff is available for lighting systems serving outdoor recreational facilities such as baseball fields and football stadiums.

This tariff is also available for such purposes to community associations which have been incorporated under Indiana law as not-for-profit corporations. Such community association shall have legal means available to it in its by-laws to pay for the service from funds which are secured by a continuing lien upon the properties of the members.

Rate. (Tariff Code 733-735)

Service Charge:

733-Single phase 120/240 volts	\$ 8.306-65 per month
734-Single phase 240/480 volts	\$ 17.2543-80 per month
735-Three phase	\$ 25.5520-40 per month

Energy Charge: ~~4.463-76¢~~ per kWh

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. 364.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3. Any governmental agency shall be allowed such additional period of time for payment of the net bill as the agency's normal fiscal operations require, not to exceed 30 days.

Hours of Service.

This service is available only during the hours each day between sunset and sunrise. Daytime use of energy under this rate is strictly forbidden except for the sole purpose of testing and maintaining the lighting system.

(Cont'd on Sheet No. 24.1)

**ISSUED BY
TOBY L THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF S.L.C.M.
(Streetlighting – Customer-Owned System – Metered)**

(Cont'd from Sheet No. 24)

Term of Contract

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Terms and Conditions of Service. Either party shall give the other 60 days' written notice of the intention to discontinue service. A separate invoice will be rendered each billing period for each meter location.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

**ISSUED BY
TOBY L THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF F.W. – S.L.
(Fort Wayne Streetlighting – Customer Owned and Maintained System)**

Availability of Service.

Available to the City of Fort Wayne, Indiana, for energy supplied through the streetlighting system that is owned and maintained by the Municipality.

Rate. (Tariff Code 525)

~~3.663-18~~¢ per kWh.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. ~~36~~4.

Payment.

Bills will be rendered monthly and will be due and payable on the 15th day of each month succeeding that in which the service is rendered.

Ledger.

A written ledger shall be maintained by the Company specifying the type, number, and location of lamps on the customer's streetlighting system. The customer shall be responsible for advising the Company of any changes affecting the type, number, and location of lamps in service that occur during the billing period.

The customer and Company will reconcile the total street lighting ledger annually and correct any known billing discrepancies. The annual reconciliation is to occur during the first billing period of each calendar year. Additionally, the customer and Company will mutually conduct annual field audits covering at least 5% of the total street lighting served under this tariff. Each year the area audited will change until the entire service area is reviewed. Discrepancies that are discovered during this audit will be corrected effective to the known date of error but in no case will this correction exceed one year.

(Cont'd on Sheet No. 25.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF F.W. – S.L.
(Fort Wayne Streetlighting – Customer Owned and Maintained System)**

(Cont'd from Sheet No. 25)

Determination of Energy.

The kWhs used for each month for each lamp shall be determined from the following table. kWhs used by lamps rated at values differing from those included in the following table shall be determined and added to the list as appropriate.

TOTAL MONTHLY ENERGY CONSUMPTION IN KILOWATT HOURS PER SINGLE LAMP
STREETLIGHTS (S), OUTDOOR LIGHTS (O)
ALL NIGHT LAMPS (ADJUSTED FOR PHOTOCCELL OPERATION TO TOTAL 4,000 HOUR OPERATION PER YEAR)

TYPE OF LAMP AND APPROXIMATE LUMENS ¹	TOTAL WATTS	CANDLE POWER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
INCANDESCENT														
1,000 Lumens (S)	92	100	39	32	32	28	25	22	24	27	29	35	36	39
2,500 Lumens (S,O)	189	250	79	67	67	57	51	45	48	55	60	71	75	81
4,000 Lumens (S,O)	295	400	124	104	104	89	79	71	76	86	94	111	116	126
6,000 Lumens (S,O)	405	600	170	143	143	122	109	97	104	118	130	152	160	173
10,000 Lumens (S)	620	1,000	260	218	218	186	166	149	159	181	198	233	246	265
MERCURY VAPOR														
3,400 L 4,400 L, 100W (S)	130		55	46	46	39	35	31	33	38	41	49	51	56
7,560 L 8,500 L, 175W (S,O)	216		91	76	76	65	58	52	55	63	69	81	86	92
10,700 L 13,000 L, 250W (S,O)	301		126	106	106	90	81	72	77	88	97	113	119	129
19,100 L 23,000 L, 400W (S,O)	474		199	167	167	142	127	114	121	138	152	178	188	203
33,600 L 43,000 L, 700W (S)	803		337	283	283	241	215	193	205	234	257	302	318	344
45,500 L 63,000 L, 1,000W (S,O)	1,135		477	400	400	340	304	272	291	331	363	427	449	486
SODIUM VAPOR														
3,600 L 4,000 L, 50W (S)	66		28	23	23	20	18	16	17	19	21	25	26	28
5,000 L 6,000 L, 70W (S,O)	86		36	30	30	26	23	21	22	25	28	32	34	37
8,550 L 9,500 L, 100W (S,O)	121		51	43	43	36	32	29	31	35	39	45	48	52
14,400 L 16,000 L, 150W (S,O)	176		74	62	62	53	47	42	45	51	57	66	70	75
19,800 L 22,000 L, 200W (S,O)	253		106	89	89	76	68	61	65	74	81	95	100	108
24,750 L 27,500 L, 250W (S,O)	309		130	109	109	93	83	74	79	90	99	116	122	132
33,300 L 37,000 L, 310W (S) ²	365		153	128	128	110	98	88	93	107	117	137	145	156
45,000 L 50,000 L, 400W (S,O)	500		210	176	176	150	134	120	128	146	160	188	198	214
99,000 L 110,000 L, 750W (S) ²	827		315	264	264	225	201	180	192	219	240	282	297	321
126,000 L 140,000 L, 1,000W (S) ²	1,135		477	400	400	340	304	272	291	331	363	427	449	486
METAL HALIDE														
10,800 L 14,000 L, 175W (O)	216		91	76	76	65	58	52	55	63	69	81	86	92
17,000 L 20,500 L, 250W (O)	301		127	106	106	90	81	72	77	88	96	113	119	129
28,800 L 36,000 L, 400W (O)	474		199	167	167	142	127	114	121	138	152	178	188	203
88,000 L 110,000 L, 1,000W (O)	1,135		477	400	400	340	304	272	291	331	363	427	449	486
LED														
5,000 Lumens (S,O)	100		42	35	35	30	27	24	26	29	32	38	40	42

NOTE: For half-night (time clock) lamps multiply consumption by 0.5 or for a 7-hour timer multiply by 0.63875.
¹Lumen Output for Mercury Vapor, Sodium Vapor, and Metal Halide listed in this table as mean lumens in first column and initial lumens in the second column. Lumen rating varies with lamp manufacturer.
²City of Fort Wayne, IN only.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF I.S.
(Irrigation Service)**

Availability of Service.

Available to customers engaged in agricultural pursuits and desiring secondary voltage service for the irrigation of crops. The customer shall provide the necessary facilities to separately meter the irrigation load. Other general-use load shall be served under the applicable tariff.

Rate. (Tariff Code 213)

Energy Charge: ~~17.69042.443¢~~ per kWh

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge.

Applicable Riders.

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. ~~36~~4.

Delayed Payment Charge.

All bills under this schedule shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3.

Contract.

Contracts under this tariff may, at the Company's option, be required for an initial period of not less than one year and shall remain in effect thereafter until either party shall give at least six months' written notice to the other of the intention to discontinue service under the terms of this tariff. Where new Company facilities are required, the Company reserves the right to require initial contracts for periods greater than one year.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Service.

Due to the nature of this service, monthly meter readings may not be taken during periods of no consumption or inaccessibility to the meter location due to irrigation operations. In any event, the Company shall obtain a minimum of two meter readings per calendar year.

Customers with cogeneration and/or small power production facilities shall take service under Tariff COGEN/SPP or by special agreement with the Company.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

Availability of Service.

This schedule is available to customers with cogeneration and/or small power production (COGEN/SPP) facilities which qualify under Section 210 of the Public Utilities Regulatory Policies Act of 1978 and have a total design capacity of 100 kW or less. Such facilities shall be designed to operate properly in parallel with the Company's system without adversely affecting the operation of equipment and services of the Company and its customers and without presenting safety hazards to the Company and customer personnel.

The customer has the following options under this schedule, which will affect the determination of energy and capacity and the monthly metering charges:

(1) Option 1

The customer does not sell any energy or capacity to the Company and purchases from the Company its net load requirements, as determined by appropriate meters located at one delivery point.

(2) Option 2

The customer sells to the Company the energy and average on-peak capacity produced by the customer's qualifying COGEN/SPP facilities in excess of the customer's total load and purchases from the Company its net load requirements, as determined by appropriate meters located at one delivery point.

(3) Option 3

The customer sells to the Company the total energy and average on-peak capacity produced by the customer's qualifying COGEN/SPP facilities while simultaneously purchasing from the Company its total load requirements, as determined by appropriate meters located at one delivery point.

Billing under this schedule shall consist of charges for delivery of electrical energy and capacity from the Company to the customer to supply the customer's net or total load according to the rate schedule appropriate for the customer except as modified herein, plus charges to cover additional costs due to COGEN/SPP facilities as specified herein, less credits for excess or total electrical energy and capacity produced by the customer's qualifying COGEN/SPP facilities as specified herein.

(Cont'd on Sheet No. 27.1)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)
(Cont'd from Sheet No. 27)**

Monthly Charges for Delivery From the Company to the Customer.

(1) Supplemental Service

Available to the customer to supplement its COGEN/SPP source of power supply which will enable either or both sources of supply to be utilized for all or any part of the customer's total requirements.

Charges for energy, and demand where applicable, to serve the customer's net or total load shall be determined according to the rate schedule appropriate for the customer. Option 1 and Option 2 customers with COGEN/SPP facilities having a total design capacity of more than 10 kW shall be served under demand-metered rate schedules.

(2) Back-up and Maintenance Service

Option 1 and Option 2 customers with COGEN/SPP facilities having a total design capacity of more than 10 kW shall be required to purchase backup service to replace energy from COGEN/SPP facilities during maintenance and unscheduled outages of its COGEN/SPP facilities. Contracts for such service shall be executed on a special contract form for a minimum term of one year.

Option 3 customers purchasing their total energy requirements from the Company will not be considered as taking backup service. Customers having cogeneration and/or small power production facilities that operate intermittently during all months (i.e. wind or solar) such that the customer's monthly billing demands under the demand-metered rate schedule will be based upon the customer's maximum monthly demand which will occur at a time when the cogeneration and/or small power production facility is not in operation will also not be considered as taking backup service.

The backup capacity in kilowatts shall be initially established by mutual agreement for electrical capacity sufficient to meet the maximum backup requirements which the Company is expected to supply. Whenever the backup capacity so established is exceeded by the creation of a greater actual maximum demand, excluding firm load regularly supplied by the Company, then such greater demand becomes the new backup capacity.

A monthly service charge of \$1.359 per kilowatt of backup capacity shall be paid by customers served under demand-metered rate schedules. Whenever backup and maintenance capacity is used and the customer notifies the Company in writing prior to the meter reading date, the backup contract capacity shall be subtracted from the total metered demand during the period specified by the customer for billing demand purposes. After 1,900 hours of use during the contract year, the total metered demand shall be used as the billing demand each month until a new contract year is established. In lieu of the above monthly charge, customers may instead elect to have the monthly billing demand under the demand-metered rate schedules determined each month as the highest of the monthly billing demand for the current and previous two billing periods.

(Cont'd on Sheet No. 27.2)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

(Cont'd from Sheet No. 27.1)

Additional Charges.

There shall be additional charges to cover the cost of special metering, safety equipment, and other local facilities installed by the Company due to COGEN/SPP facilities, as follows:

(1) Metering Charges

The additional charge for special metering facilities shall be as follows:

(a) Option 1

Where the customer does not sell electricity to the Company, a detent shall be used on the energy meter to prevent reverse rotation. The cost of such meter alteration shall be paid by the customer as part of the Local Facilities Charge.

(b) Options 2 & 3

Where energy meters are required to measure the excess energy and average on-peak capacity purchased by the Company or the total energy and average on-peak capacity produced by the customer's COGEN/SPP facilities, the cost of the additional metering facilities shall be paid by the customer as part of the Local Facilities Charge. In addition, a monthly metering charge shall be as follows to cover the cost of operation and maintenance of such additional facilities:

	<u>Single Phase</u>	<u>Polyphase</u>
Standard Measurement	\$1.50	\$1.95
TOD Measurement	\$1.65	\$2.00

Under Option 3, when metering voltage for COGEN/SPP facilities is the same as the Company's delivery voltage, the customer shall, at his option, either route the COGEN/SPP totalized output leads through the metering point or make available at the metering point for the use of the Company and as specified by the Company metering current leads which will enable the Company to measure adequately the total electrical energy and average on-peak capacity produced by the qualifying COGEN/SPP facilities, as well as to measure the electrical energy consumption and capacity

(Cont'd on Sheet No. 27.3)

**ISSUED BY
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**COMMENCING WITH THE FIRST BILLING CYCLE
IN THE MONTH OF**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

(Cont'd from Sheet No. 27.2)

requirements of the customer's total load. When metering voltage for COGEN/SPP facilities is different from the Company's delivery voltage, metering requirements and charges shall be determined specifically for each case.

(2) Local Facilities Charge

Additional charges to cover the cost of special metering facilities, safety equipment, and other local facilities installed by the Company shall be determined by the Company for each case and collected from the customer. The customer shall make a one-time payment for such charges upon completion of the required additional facilities or, at the customer's option, 12 consecutive equal monthly payments reflecting an annual interest charge equal to the maximum rate permitted by law not to exceed the prime rate in effect at the first billing for such installations.

Monthly Credits or Payments for Energy and Capacity Deliveries.

(1) Energy Credit

The following credits or payments from the Company to the customer shall apply for the electrical energy delivered to the Company:

Standard Meter	
All kWh	2.88¢
TOD Meter	
On-peak kWh	3.49¢
Off-peak kWh	2.45¢

(2) Capacity Credit

If the customer contracts to deliver a specified average capacity during the on-peak monthly billing period (on-peak contract capacity), then the first-year monthly capacity credit or payment from the Company to the customer shall be \$7.54/kW times the lowest of:

- (a) monthly on-peak contract capacity, or
- (b) current month on-peak metered average capacity, i.e., on-peak kWh delivered to the Company divided by 303, or

(Cont'd on Sheet No. 27.4)

**ISSUED BY
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**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

(Cont'd from Sheet No. 27.3)

(c) lowest on-peak average capacity metered during the previous two months.

Determination of the monthly capacity credits or payments for subsequent years of the contract term shall be made using the formula contained in 170 IAC 4-4.1.

The above energy and capacity credit rates are subject to annual revision as required by the Commission.

On-Peak and Off-Peak Hours.

The on-peak period shall be defined as starting 7 a.m. and ending at 9 p.m., local time, Monday through Friday.

The off-peak period shall be defined as starting at 9 p.m. and ending at 7 a.m., local time, Monday through Friday, and all hours of Saturday and Sunday.

Charges for Cancellation or Non-Performance of Contract.

In the event the contract is terminated or the contract capacity is reduced prior to the end of the contract term, the qualifying COGEN/SPP facility shall refund to the Company the capacity payments in excess of those capacity payments which would have been made had all or the reduced capacity been subject to a capacity rate based on the actual term of delivery to the Company.

Except in the event of force majeure as defined in the contract, if within any 12-month period during the term of the contract ending on the anniversary date of the date of the qualifying COGEN/SPP facility first provided capacity to the Company under the contract the qualifying COGEN/SPP facility fails to provide the Company with the capacity specified in the contract, the capacity for which the qualifying COGEN/SPP facility shall be entitled to capacity payments during the subsequent 12-month period ("the probationary period") shall be reduced to the capacity provided during the prior 12-month period. If during the probationary period the qualifying COGEN/SPP facility provides the capacity specified in the contract, the Company, within 30 days following the end of the probationary period, shall reinstate the full capacity amount originally specified in the contract. If during the probationary period the qualifying COGEN/SPP facility again fails to provide the capacity specified in the contract, the Company may permanently reduce the capacity purchased from the qualifying COGEN/SPP facility for the remainder of the term of the contract. The Company may also require that the reduction in the capacity be subject to the refund provisions of the above paragraph.

Terms of Contract.

Contracts under this tariff will be made for a period not less than one year nor more than five years.

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TOBY L. THOMAS
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**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**RIDER AFS
(Alternate Feed Service)**

Availability of Service.

Standard Alternate Feed Service (AFS) is a premium service providing a redundant distribution service provided through a redundant distribution line and distribution station transformer, with automatic or manual switch-over and recovery, which provides increased reliability for distribution service. Rider AFS applies to those customers requesting new or upgraded AFS after March 23, 2009 or existing AFS customers that desire to maintain redundant service when the Company must make expenditures in order to continue providing such service or July 1, 2023, whichever occurs first.

Rider AFS is available to customers who request a primary voltage alternate feed and who normally take service under Tariffs ~~M.~~G.S., L.G.S., L.G.S.-TOD, I.P., M.S. or W.S.S. for their basic service requirements, provided that the Company has adequate capacity in existing distribution facilities, as determined by the Company, or if changes can be made to make capacity available. AFS provided under this rider may not be available at all times, including emergency situations.

System Impact Study Charge.

The Company shall charge the customer for the actual cost incurred by the Company to conduct a system impact study for each site reviewed. The study will consist of, but is not limited to, the following: (1) identification of customer load requirements, (2) identification of the potential facilities needed to provide the AFS, (3) determination of the impact of AFS loading on all electrical facilities under review, (4) evaluation of the impact of the AFS on system protection and coordination issues including the review of the transfer switch, (5) evaluation of the impact of the AFS request on system reliability indices and power quality, (6) development of cost estimates for any required system improvements or enhancements required by the AFS, and (7) documentation of the results of the study. The Company will provide to the customer an estimate of charges for this study.

Equipment and Installation Charge.

The customer shall pay, in advance of construction, a nonrefundable amount for all equipment and installation costs for all dedicated and/or local facilities provided by the Company required to furnish either a new or upgraded AFS. The payment shall be grossed-up for federal and state income taxes, assessment fees and utility receipts taxes. The customer will not acquire any title in said facilities by reason of such payment. The equipment and installation charge shall be determined by the Company and shall include, but not be limited to, the following: (1) all costs associated with the AFS dedicated and/or local facilities provided by the Company and (2) any costs or modifications to the customer's basic service facilities.

The customer is responsible for all costs associated with providing and maintaining phone service for use with metering to notify the Company of a transfer of service to the AFS or return to basic service.

(Cont'd on Sheet No. 28.1)

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**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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STATE OF INDIANA**

**RIDER AFS
(Alternate Feed Service)**

(Cont'd from Sheet No. 28)

Transfer Switch Provisions.

In the event the customer receives basic service at primary voltage, the customer shall install, own, maintain, test, inspect, operate and replace the transfer switch. Customer-owned switches are required to be at primary voltage and must meet the Company's engineering, operational and maintenance specifications. The Company reserves the right to inspect the customer-owned switches periodically and to disconnect the AFS for adverse impacts on reliability or safety.

Existing AFS customers, who receive basic service at primary voltage and are served via a Company-owned transfer switch and control module, may elect for the Company to continue ownership of the transfer switch. When the Company-owned transfer switch and/or control module requires replacement, and the customer desires to continue the AFS, the customer shall pay the Company the total cost to replace such equipment which shall be grossed up for federal and state income taxes, assessment fees and utility receipts taxes. In addition, the customer shall pay a monthly rate of ~~\$16.00~~^{14.80} for the Company to annually test the transfer switch / control module and the customer shall reimburse the Company for the actual costs involved in maintaining the Company-owned transfer switch and control module.

In the event a customer receives basic service at secondary voltage and requests AFS, the Company will provide the AFS at primary voltage. The Company will install, own, maintain, test, inspect and operate the transfer switch and control module. The customer shall pay the Company a nonrefundable amount for all costs associated with the transfer switch installation. The payment shall be grossed-up for federal and state income taxes, assessment fees and utility receipts taxes. In addition, the customer is required to pay the monthly rate for testing and ongoing maintenance costs defined above. When the Company-owned transfer switch and/or control module requires replacement, and the customer desires to continue the AFS, customer shall pay the Company the total cost to replace such equipment which shall be grossed up for federal and state income taxes, assessment fees and utility receipts taxes.

After a transfer of service to the AFS, a customer utilizing a manual or semi-automatic transfer switch shall return to the basic service within one (1) week or as mutually agreed to by the Company and customer. In the event system constraints require a transfer to be expedited, the Company will endeavor to provide as much advance notice as possible to the customer. However, the customer shall accomplish the transfer back to the basic service within ten minutes if notified by the Company of system constraints. In the event the customer fails to return to basic service within 12 hours, or as mutually agreed to by the Company and customer, or within ten minutes of notification of system constraints, the Company reserves the right to immediately disconnect the customer's load from the AFS source. If the customer does not return to the basic service as agreed to, or as requested by the Company, the Company may also provide 30 days' notice to terminate the AFS agreement with the customer.

The customer shall make a request to the Company for approval three days in advance for any planned switching.

(Cont'd on Sheet No. 28.2)

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**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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INDIANA MICHIGAN POWER COMPANY
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**RIDER AFS
(Alternate Feed Service)**

(Cont'd from Sheet No. 28.1)

Monthly AFS Capacity Reservation Demand Charge.

Monthly AFS charges will be in addition to all monthly basic service charges paid by the customer under the applicable tariff.

The Monthly AFS Capacity Reservation Demand Charge for the reservation of distribution station and primary lines is ~~\$3.6042-345~~ per kW/kVA.

AFS Capacity Reservation.

The customer shall reserve a specific amount of AFS capacity equal to, or less than, the customer's normal maximum requirements, but in no event shall the customer's AFS capacity reservation under this rider exceed the capacity reservation for the customer's basic service under the appropriate tariff. The Company shall not be required to supply AFS capacity in excess of that reserved except by mutual agreement.

If the customer plans to increase the AFS demand at anytime in the future, the customer shall promptly notify the Company of such additional demand requirements. The customer's AFS capacity reservation and billing will be adjusted accordingly. The customer will pay the Company the actual costs of any and all additional dedicated and/or local facilities required to provide AFS in advance of construction and pursuant to an AFS construction agreement. If customer exceeds the agreed upon AFS capacity reservation, the Company reserves the right to disconnect the AFS. If the customer's AFS metered demand exceeds the agreed upon AFS capacity reservation, which jeopardizes company facilities or the electrical service to other customers, the Company reserves the right to disconnect the AFS immediately. If the Company agrees to allow the customer to continue AFS, the customer will be required to sign a new AFS agreement reflecting the new AFS capacity reservation. In addition, the customer will promptly notify the Company regarding any reduction in the AFS capacity reservation.

The customer may reserve partial-load AFS capacity, which shall be less than the customer's full requirements for basic service subject to the conditions in this provision. Prior to the customer receiving partial-load AFS capacity, the customer shall be required to demonstrate or provide evidence to the Company that they have installed demand-controlling equipment that is capable of curtailing load when a switch has been made from the basic service to the AFS. The Company reserves the right to test and verify the customer's ability to curtail load to meet the agreed upon partial-load AFS capacity reservation.

(Cont'd on Sheet No. 28.3)

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**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**RIDER AFS
(Alternate Feed Service)**

(Cont'd from Sheet No. 28.2)

Determination of Billing Demand.

Full-Load Requirement:

For customers requesting AFS equal to their load requirement for basic service, the AFS billing demand shall be taken each month as the single-highest 15-minute integrated peak as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation, or (b) the customer's highest previously established monthly billing demand on the AFS during the past 11 months, or (c) the customer's basic service capacity reservation, or (d) the customer's highest previously established monthly billing demand on the basic service during the past 11 months

Partial-Load Requirement:

For customers requesting partial-load AFS capacity reservation that is less than the customer's full requirements for basic service, the AFS billing demand shall be taken each month as the single-highest 15-minute integrated peak on the AFS as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation, or (b) the customer's highest previously established monthly metered demand on the partial-load AFS during the past 11 months.

Delayed Payment Charge.

All bills under this rider shall be rendered and due monthly. If not paid within 17 days after the bill is mailed, there shall be added to bills of \$3 or less, 10 percent of the amount of the bill; and to bills in excess of \$3 there shall be added 10 percent of the first \$3, plus 3 percent of the amount of the bill in excess of \$3. Any governmental agency whose basic service is provided under Tariffs M.S. or W.S.S. shall be allowed such additional period of time for payment of the net bill as the agency's normal fiscal operations require, not to exceed 30 days.

Terms of Contract.

The AFS agreement under this rider will be made for a period of not less than one year and shall remain in effect thereafter until either party shall give at least six months' written notice to the other of the intention to discontinue service under the terms of this rider.

Disconnection of AFS under this rider due to reliability or safety concerns associated with customer-owned transfer switches will not relieve the customer of payments required hereunder for the duration of the agreement term.

(Cont'd on Sheet No. 28.4)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**RIDER AFS
(Alternate Feed Service)**

(Cont'd from Sheet No. 28.3)

Special Terms and Conditions.

This rider is subject to the Company's Terms and Conditions of Service.

Upon receipt of a request from the customer for non-standard AFS (AFS which includes unique service characteristics different from standard AFS), the Company will provide the customer with a written estimate of all costs, including system impact study costs, and any applicable unique terms and conditions of service related to the provision of the non-standard AFS. An AFS agreement will be filed with the Commission under the 30-day filing procedures. The AFS agreement shall provide full disclosure of all rates, terms and conditions of service under this rider, and any and all agreements related thereto.

The Company will have sole responsibility for determining the basic service circuit and the AFS circuit.

The Company assumes no liability should the AFS circuit, transfer switch, or other equipment required to provide AFS fail to operate as designed, is unsatisfactory, or is not available for any reason.

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TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

ORIGINAL SHEET NO. 29

**RIDER D.R.S.1
(Demand Response Service – Emergency)**

Availability of Service.

Available for demand response service (DRS) to customers in good standing, as determined by the Company, taking firm service from the Company under Tariffs G.S., G.S.-TOD, L.G.S., L.G.S.-TOD, I.P., M.S., W.S.S., or E.H.G. who have the ability to curtail load under the provisions under this Rider. Each customer electing service under this Rider shall contract for a definite amount of DRS capacity, not to exceed the customer's normal demand capable of being curtailed.

The Company reserves the right to limit the aggregate amount of DRS capacity contracted for under this Rider and Tariff C.S.-IRP2 to 235 MVA. The Company will take DRS requests in the order received. The customer's DRS capacity under this Rider will be enrolled in the PJM Interconnection, L.L.C. RTO (PJM) Emergency Demand Response Program through the Company. The Company further reserves the right to limit registrations should PJM restrict the Company from registering customers in any PJM product type. The customer's DRS capacity is not eligible for enrollment in any PJM demand response program either directly or through a Curtailment Service Provider (CSP). Customer's participating in this Rider may elect to use the services of a CSP provided that such arrangements do not violate the terms and conditions of this Rider.

A CSP is an entity such as a PJM-qualified CSP that the customer has designated to facilitate all or some of the customer notifications and transactions under this Rider.

The customer must provide written notice to the Company of any such designation. Such written notice shall specify the authority that the customer has granted to the CSP, including any authority to access customer data. The customer is ultimately responsible for compliance with the terms and conditions of this Rider, including any charges under this Rider, in which the customer has voluntarily elected to participate.

The term "customer" as used herein shall mean the customer or an aggregation of customers that have agreed for purposes of participation in the Rider to participate as an aggregation in the same manner as a single customer would under this Rider. The term "participant" as used herein shall mean the customer or customer-designated CSP as defined above.

Conditions of Service.

- (1) The provisions of this Rider qualify under the PJM Emergency Demand Response Program as of the effective date. The Company reserves the right to make changes to this Rider in order to continue to qualify under the PJM Emergency Demand Response Program, or otherwise, as appropriate.
- (2) The Company reserves the right to call for (request) customers to curtail their DRS load when a Pre-Emergency and/or Emergency Mandatory Load Management Reduction Action has been issued by PJM.
- (3) The Company will endeavor to provide as much advance notice as possible of curtailments under this Rider including an estimate of the duration of such curtailments. However, the customer's DRS load shall be curtailed within 15 minutes if so requested.
- (4) All curtailments will apply for the delivery year (DY) which is defined by PJM as June 1 through May 31 of the following year. Contracts will apply for multiple delivery years.

(Cont'd on Sheet No. 29.1)

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**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

ORIGINAL SHEET NO. 29.1

**RIDER D.R.S.1
(Demand Response Service – Emergency)**

(Cont'd from Sheet No. 29)

- (5) In no event shall the customer be subject to PJM initiated load curtailment (PJM event) under the provisions of this Rider for more than the amount designated under the DRS Product Type Option selected by customer during delivery year. The customer must agree to be subject to DRS curtailments pursuant to the DRS Product Type Option selected by customer from the DRS Product Type Option table herein.
- (6) The Company will inform the participant regarding the communication process for notices to curtail. The customer is ultimately responsible for receiving and acting upon a curtailment notification from the Company. The customer is not responsible in the event the Company fails to properly issue a curtailment notification.
- (7) All customer metering demand data required under this Rider shall be determined from 15-minute integrated metering with remote interrogation capability and demand recording equipment owned, installed, operated and maintained by the Company. When required, the Company will install such metering equipment for individual accounts contracting for 50 kW or more at no cost to the customer and for accounts contracting for less than 50 kW, a fee of \$750.00 paid in advance shall be required.
- (8) During each delivery year the Company will conduct a test and verify the customer's ability to curtail as required by PJM. However, if a curtailment event is called by PJM prior to the test, then the event shall be considered the test for the delivery year. The Company reserves the right to re-test all customers if the Company does not achieve the minimum 75% compliance testing standards for all of the Company's DRS customers as required by PJM. Additionally, the Company reserves the right to retest individual customers, and/or aggregated groups, that fail to comply during a test. These tests must be conducted for one hour on a weekday between 12 noon and 8 p.m., Eastern Time, from June 1 through September 30 during the delivery year.
- (9) If the customer fails to comply with the provisions of curtailment under this Rider, including the test provisions as indicated above, the Company and the customer will discuss methods to comply during future events. If the problem cannot be resolved to the Company's satisfaction, the Company reserves the right to adjust the customer's committed kW amount or discontinue service to the customer under this Rider. Such adjustments or terminations will be charged as outlined under the Annual Non-Compliance Charge provision.
- (10) The minimum DRS capacity contracted for under this Rider will be 100 kW. Customers with multiple electric service accounts may aggregate those individual accounts to meet the 100 kW minimum DRS capacity requirement under this Rider; however, the DRS capacity committed for each individual account shall not be less than 25 kW and no more than one site may be 100 kW or greater. Aggregation with multiple individual electric service accounts, not under common ownership, must designate a PJM qualified CSP who shall be responsible to facilitate all of the customer notifications and transactions under this Rider. A CSP that creates an aggregation may provide to the Company both a Registered kW and Committed kW amount of such aggregation. The Registered kW represents

(Cont'd on Sheet No. 29.2)

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**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
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DATED
IN CAUSE NO.**

**RIDER D.R.S.1
(Demand Response Service – Emergency)**

(Cont'd from Sheet No. 29.1)

the amount of Curtailed Demand CSP desires the Company to register with PJM. The Committed kW shall be the amount of Curtailed Demand that is the basis upon which participants are paid under this Rider. Registered kW shall be equal to or greater than Committed kW. Committed kW shall not exceed the Registered kW.

- (11) In addition to curtailments under Item 2 above, the Company reserves the right to call for (request) customers to curtail their DRS load when, in the sole judgment of the Company, an emergency condition exists on the American Electric Power (AEP) System. The Company shall determine that an emergency condition exists if curtailment of load served under this Rider is necessary in order to maintain service to the Company's other firm service customers according to the AEP System Emergency Operating Plan. During such event, the customer must make best efforts to voluntarily curtail DRS load.
- (12) **NO RESPONSIBILITY OR LIABILITY OF ANY KIND SHALL ATTACH TO OR BE INCURRED BY THE COMPANY OR THE AEP SYSTEM FOR, OR ON ACCOUNT OF, ANY LOSS, COST, EXPENSE, OR DAMAGE CAUSED BY OR RESULTING FROM, EITHER DIRECTLY OR INDIRECTLY, ANY CURTAILMENT OF SERVICE UNDER THE PROVISIONS OF THIS RIDER.**

DRS Product Type Options and Curtailment Demand Payment

Product Type	Curtailment Availability	Maximum Number of Curtailments	Hours of Day Required to Respond	Maximum Duration of Curtailments	2017/2018 DY Curtailment Demand Pymt \$/kW-month
Limited DRS	Any weekday during June – Sept. of DY	10	12 PM - 8 PM	6 Hours	\$3.741
Extended Summer DRS	Any day during June – October and following May of DY	Unlimited	10 AM – 10 PM	10 Hours	\$3.741
Annual DRS	Any day during DY	Unlimited	June – Oct. and following May of DY Nov. – April (6 AM-9 PM)	10 Hours	\$3.741

The current Limited, Extended Summer and Annual DRS products will be removed effective June 1, 2018.
(Cont'd on Sheet No. 29.3)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
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**ISSUED UNDER AUTHORITY OF THE
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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

ORIGINAL SHEET NO. 29.3

**RIDER D.R.S.1
(Demand Response Service – Emergency)**

(Cont'd from Sheet No. 29.2)

The Curtailment Demand Payment shall be calculated in \$ per kW-month as the greater of (a) the four-year average RPM Clearing price for the applicable locational delivery area and product type, calculated using the preceding delivery year, the delivery year and the subsequent two (2) delivery years and (b) 35% of the applicable PJM Reliability Pricing Model (RPM) Net Cost of New Entry (Net CONE) for the delivery year.

Beginning June 1, 2018 - DRS Product Type Options

Product Type	Curtailment Availability	Maximum Number of Curtailments	Hours of Day Required to Respond	Maximum Duration of Curtailments
Base Capacity Demand Resource (2018/2019 & 2019/2020 DY only)	Any day during June-Sept. of DY	Unlimited	10 AM-10 PM	10 Hours
Capacity Performance Demand Resource (Effective 2018/2019 DY)	Any day during DY (unless on an approved maint. Outage during Oct.-Apr.)	Unlimited	June – Oct. and following May of DY (10 AM-10 PM) Nov. – Apr. (6 AM-9 PM)	No Limit

Behind the Meter Generation.

Participating customers who operate Behind the Meter Generation (BTMG) for demand response purposes under this Rider shall adhere to PJM rules governing the use of BTMG, and operate and be in compliance with all local, state and federal laws including environmental permits. Adherence and compliance with PJM rules and all local, state and federal laws with regard to BTMG is the sole responsibility of the customer.

(Cont'd on Sheet No. 29.4)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERE
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

ORIGINAL SHEET NO. 29.5

**RIDER D.R.S.1
(Demand Response Service – Emergency)**

(Cont'd from Sheet No. 29.3)

Exception to 15-Minute Notification to Curtail DRS Load.

Customers will be required to fully respond to curtailment requests within 15-minutes of notification from the Company unless an exception request has been approved by PJM. The qualifying exceptions as defined by PJM are listed directly below. The intent of these qualifying exceptions is to accommodate DRS customers with legitimate, physical reasons that prevent curtailing load within a 15-minute notification time period.

PJM Qualifying Exception Definitions:

- 1) Damage (feedstock/equipment/product) - unavoidable significant damage to feedstock, equipment or product.
- 2) Generator Ramp time - Transfer of load to back-up generation requires taking more than 15-minutes.
- 3) Safety Issue - On-site safety concerns prevent location from implementing reduction plan in less than 15-minutes.

Customers desiring to be considered for one of the above qualifying exceptions shall complete an Exception Request Form, provided by the Company upon request. Company will submit any completed form to PJM for consideration and approval. Company will notify customer of PJM's approval/denial decision and if approved what the approved notification time period will be for the next delivery year. PJM may require customers to apply for an exemption prior to each delivery year.

Customer Baseline Load Calculation.

A Customer Baseline Load (CBL) will be calculated for each hour corresponding to each curtailment event hour. Normally, the CBL will be calculated for each hour as the average corresponding hourly demands from the highest four (4) out of the five (5) most recent similar non-event days in the period preceding the relevant curtailment event. The highest load days are defined as the similar days (Weekday, Saturday, Sunday/Holiday as defined by PJM) with the highest energy consumption spanning the curtailment event hours. In cases where the normal calculation does not provide a reasonable representation of normal load conditions, the Company and the participant may develop an alternative CBL calculation that more accurately reflects the customer's normal consumption pattern.

Curtailed Demand.

The customer's Curtailed Demand shall be determined based upon the method of measurement chosen by the customer. The customer may choose one of two methods to measure the curtailed demand: 1) Guaranteed Load Drop (GLD) or 2) Firm Service Level (FSL). The method chosen shall remain in effect for the entire contract period.

(Cont'd on Sheet No. 29.5)

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RIDER D.R.S.1
(Demand Response Service – Emergency)

(Cont'd from Sheet No. 29.4)

(1) Guaranteed Load Drop Method.

- (a) Each customer must designate a Guaranteed Load Drop (GLD), which amount shall be the minimum demand reduction that the customer will provide for each hour during a curtailment event or during a curtailment test. The customer's GLD can not be greater than the customer's Peak Load Contribution (PLC), as defined below. GLD shall be adjusted to include losses.
- (b) If the customer fails to fully comply with a request for curtailment under the provisions of this Rider or does not reduce load by the full GLD, a non-compliance charge shall apply. For this purpose, Actual Load Drop (ALD) is defined as the difference between the customer's CBL and their actual hourly load. If the ALD is less than the GLD, the Event Non-Compliance Demand shall be equal to the average difference between the GLD and the ALD occurring during the hours of the curtailment event. Otherwise, the Event Non-Compliance Demand shall be zero (0).

(2) Firm Service Level (FSL) Method.

- (a) Firm Service Level Peak Load Contribution (PLC) – The customer's PLC will be calculated each year as the average of its load during PJM's five (5) highest peak loads during the twelve month period ended October 31 of the previous year. In the cases where the normal calculation does not provide a reasonable representation of normal load conditions, the Company and the customer may develop an alternative PLC calculation that more accurately reflects the customer's normal consumption pattern. PLC shall include losses.
- (b) Available Curtailable Demand (ACD) - The customer must designate an ACD, defined as the difference between the PLC and the Firm Service Level (FSL). The FSL is the demand to which the customer agrees to reduce load to or below for each hour during a curtailment event. FSL shall be adjusted to include losses.
- (c) If the customer fails to fully comply with a request for curtailment under the provisions of this Rider, then the Non-Compliance Charge shall apply. If a customer is operating at or below their designated FSL during an event, it will be understood that they have no DRS capacity available with which to comply and will not be charged a non-compliance penalty. If the metered demand during the curtailment event is above the FSL, the Event Non-Compliance Demand shall be equal to the average difference between the customer's metered demand and the FSL during all full 15-minute intervals of the curtailment event. Otherwise the Event Non-Compliance Demand shall be zero (0).

For the Capacity Performance Demand Resource product, if the metered demand during the curtailment event is above the FSL, the Event Non-Compliance Energy shall be equal to the cumulative amount by which the customer's metered demand exceeds the FSL during all full 15-minute intervals of the curtailment event.

(Cont'd on Sheet No. 29.6)

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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

ORIGINAL SHEET NO. 29.6

**RIDER D.R.S.1
(Demand Response Service – Emergency)**

(Cont'd from Sheet No. 29.5)

Curtailed Energy.

The Curtailed Energy shall be determined for each curtailment event hour, defined as the difference between the customer's CBL for that hour and the customer's metered load for that hour.

Curtailment Payment.

The Curtailment Energy Payment shall be 90% of the Indiana Michigan Power Company pricing point (AEPIM_RESID_AGG) of the AEP Load Zone hourly Real-Time Locational Marginal Price (LMP), or successor pricing point, as established by PJM (including congestion and marginal losses) for each curtailment event hour.

The Curtailment Demand Payment shall be as shown under section DRS Product Type Options and Curtailment Demand Payment.

Monthly Demand Payment.

The Monthly Demand Payment shall be applicable to each month the customer is served under this Rider, regardless of whether or not there are any curtailment events during the month.

1. Guaranteed Load Drop Method – The Monthly Demand Payment shall be equal to the product of the GLD and the Curtailment Demand Payment.
2. Firm Service Level (FSL) Method – The Monthly Demand Payment shall be equal to the product of the ACD and the Curtailment Demand Payment.

The Company reserves the right to withhold Monthly Demand Payments from any customer who is indebted to the Company for any service rendered at any location contracted under this Rider. If the customer's indebtedness to the Company has not been resolved by May 31 of the current delivery year, all Monthly Demand payments outstanding shall be forfeited.

Monthly Event Payment.

An Event Payment shall be calculated for each event hour equal to the product of the Curtailed Energy for that hour and the Curtailment Energy Payment for that hour. The Monthly Event Payment shall be the sum of the hourly Event Payments for all events occurring in the calendar month, but shall not exceed the portion of the customer's monthly bill that is computed on a per KWH basis under the applicable Standard Rider for the same billing month. The customer shall not receive Event Payment for any curtailment events to the extent that the customer's DRS capacity is already reduced due to a planned or unplanned outage as a result of vacation, renovation, repair, refurbishment, force majeure, strike, economic conditions, or any situation other than the customer's normal operating conditions. Event Payments will not be withheld if the customer's DRS capacity is already reduced as a result of customer actions taken in anticipation of a curtailment.

(Cont'd on Sheet No. 29.7)

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**RIDER D.R.S.1
(Demand Response Service – Emergency)**

(Cont'd from Sheet No. 29.6)

Annual Non-Compliance Charge.

Limited, Extended Summer, Annual DRS Products and Base Capacity Resource Product.

Charges for non-compliance under the Limited, Extended Summer, Annual DRS Products (through the 2017/2018 delivery year), and Base Capacity Resource Product (for the 2018/2019 and 2019/2020 delivery years only) will be based on the customer's Non-Compliance Demand which reflects any failure by the customer to fully comply with requests for curtailment under the applicable DRS Product Type Option of this Rider, including any non-compliance testing requirements as outlined above. The Annual Non-Compliance Charge shall be equal to the average Non-Compliance Demand times the Curtailment Demand Payment times 12.

In the event that the Annual Non-Compliance Charge is greater than zero, such charge shall be assessed as a uniform offset to the Customer Payments for remaining months of the delivery year, or as a one-time charge if the delivery year has ended. Upon request, the Company may, but is not obligated to allow payment of the one-time charge over a period not to exceed twelve (12) months. In no event shall the Annual Non-Compliance Demand Charge exceed the sum of the Customer Payments, excluding the Annual Non-Compliance Charge, for the delivery year.

Capacity Performance Resource Product.

Beginning on June 1, 2018, the non-compliance charge will be based on the AEP, or successor, Locational Deliverability Area yearly Net CONE with a divisor of 30 (emergency action hours per year). The Non-Compliance Rate in \$/MWh will be equal to the product of Net CONE (\$/MW-day) as published by PJM and the number of days in the delivery year (365 or 366) divided by 30. The Monthly Non-Compliance Charge shall be equal to the product of the Non-Compliance Energy and the Non-Compliance Rate. The sum of the Monthly Non-Compliance Charges may exceed the sum of customer's monthly Demand Credits for the delivery year.

Settlement.

The net amount of the Monthly Demand Payment, Monthly Energy Event Payment and Annual Non-Compliance Charge will be provided to the participant by check or electronic payment within 60 days after the end of the delivery month. A customer may request the aggregation of individual customer account payments into a single payment.

(Cont'd on Sheet No. 29.8)

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**RIDER D.R.S.1
(Demand Response Service – Emergency)**

(Cont'd from Sheet No. 29.7)

Term.

Contracts under this Rider shall be made for an initial period of four (4) delivery years and shall remain in effect until either party provides three (3) years' written notice prior to March 1 of its intention to discontinue service under the terms of this Rider for the fourth delivery year beginning after the notice is provided. Written notice deadlines through March 1, 2020 are as follows:

<u>Written Notice Deadline</u>	<u>Effective Date of End of Service under Rider</u>
March 1, 2018	June 1, 2021
March 1, 2019	June 1, 2022
March 1, 2020	June 1, 2023
March 1, 2021	June 1, 2024

If a customer becomes ineligible for service under this Rider during the term of a contract under this Rider, the Company reserves the right to terminate such contract immediately.

Special Terms and Conditions.

Customer specific information, including, but not limited to DRS contract capacity, shall remain confidential.

If a new peak demand is set by the customer in the hour following a curtailment event due to the customer resuming the level of activity prior to the curtailment, the customer may request, in writing, that the customer's billing demand be adjusted to disregard that new peak. The Company will promptly evaluate all such requests and approve reasonable requests. In specific circumstances and subject to reasonable conditions, the Company may approve requests in advance.

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RIDER D.R.S. 2
(Demand Response Service – Economic)

Availability of Service.

Available on a voluntary basis for demand response service (DRS2) to customers taking firm service from the Company under Tariffs G.S., G.S.-TOD, L.G.S., L.G.S.-TOD, I.P., M.S., W.S.S., or E.H.G. who have the ability to reduce consumption under the provisions under this Rider. DRS2 is also available on a voluntary basis to customers taking interruptible service from the Company under Tariffs ~~C.S. IRP and~~ C.S. IRP2 except to the extent the customer's participation in DRS2 would keep the customer from meeting the load reduction requirements of the contract for ~~C.S. IRP or~~ C.S. IRP2 service. DRS2 provides participating customers an opportunity to voluntarily respond to locational marginal prices (LMP) by reducing consumption and receiving a payment for such reduction during those times when LMP prices are high.

The customer's demand response service under this Rider will be enrolled in the PJM Interconnection, L.L.C. RTO (PJM) Economic Demand Response Program through the Company. The customer's demand response service is not eligible for enrollment in any PJM demand response program either directly or through a curtailment service provider. Customer's participating in this Rider may elect to use the services of Curtailment Service Providers provided that such arrangements do not violate the terms and conditions of this Rider.

A Curtailment Service Provider is an entity such as a PJM-qualified CSP that the customer has designated to facilitate all or some of the customer notifications and transactions under this Rider.

The customer must provide written notice to the Company of any such designation. Such written notice shall specify the authority that the customer has granted to the Curtailment Service Provider, including any authority to access customer data. The customer is ultimately responsible for compliance with the terms and conditions of this Rider, including any charges under this Rider, in which the customer has voluntarily elected to participate.

The term "customer" as used herein shall mean the customer or an aggregation of customers that have agreed for purposes of participation in this Rider to participate as an aggregation in the same manner as a single customer would under this Rider. The term "participant" as used herein shall mean the customer or customer-designated Curtailment Service Provider as defined above.

Conditions of Service.

- (1) The provisions of this Rider qualify under the PJM Economic Demand Response Program as of the effective date. The Company reserves the right to make changes to this Rider in order to continue to qualify under the PJM Economic Demand Response Program, or otherwise, as appropriate.
- (2) An interval meter is required. The incremental cost of any special metering, communications or control equipment required for service under this Rider beyond that normally provided shall be borne by the customer.
- (3) The Company will inform the participant regarding the communication process and timing required to participate under this Rider. The Customer is ultimately responsible for receiving and acting upon notifications from the Company.

(Cont'd on Sheet No. 30.1)

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**RIDER D.R.S. 2
(Demand Response Service – Economic)**

(Cont'd from Sheet No. 30)

- (4) The participant shall not receive credit for any curtailment periods to the extent that the customer's DRS2 curtailable load is already reduced due to a planned or unplanned outage as a result of vacation, renovation, repair, refurbishment, force majeure, strike, economic conditions, or any event other than the customer's normal operating conditions.
- (5) **NO RESPONSIBILITY OR LIABILITY OF ANY KIND SHALL ATTACH TO OR BE INCURRED BY THE COMPANY OR THE AEP SYSTEM FOR, OR ON ACCOUNT OF, ANY LOSS, COST, EXPENSE, OR DAMAGE CAUSED BY OR RESULTING FROM, EITHER DIRECTLY OR INDIRECTLY, ANY CURTAILMENT OF SERVICE UNDER THE PROVISIONS OF THIS RIDER.**

Economic Demand Response Options.

Participants shall have two (2) economic demand response options to participate under DRS2. The options include: (1) Day Ahead Market, and (2) PJM Dispatched in Real Time. A description of each DRS2 option is as follows:

1. Day-Ahead Market

- a. The Company submits an energy reduction Offer in the Day Ahead Market based upon information provided in advance by participant. Company submissions to PJM can be made before Noon of the day before participation.
- b. The minimum kW reduction Offer is 100 kW and offers must be in increments of 100 kW.
- c. The Company monitors clearing results, which are made available after 4:00 P.M. of the day before participation. The Company will notify the participant if the Offer was cleared in the Day-Ahead market.
- d. If an Offer clears in the Day Ahead Market, the Company shall provide payment / credit to participant based on the Day-Ahead LMP.
- e. If an Offer clears in the Day Ahead Market, the customer is obligated to curtail consistent with the Offer.
- f. In the event the customer does not reduce sufficient load to meet the cleared Offer commitment, participant shall be billed at 90% of the Real Time LMP times the unreduced load plus Balancing Operating Reserve Charges. Unreduced load shall be the positive difference between the customer's load reduction Offer and the customer's actual load reduced.

2. PJM Dispatched in Real Time

- a. The Company submits operational information regarding the curtailment capability to PJM based upon information provided in advance by participant.
- b. The minimum kW reduction is 100 kW and offers must be in increments of 100 kW.
- c. The Company monitors PJM Real Time operations and notifies the participant if the customer's curtailment capability is dispatched by PJM.
- d. The Company shall provide payment / credit to participant for load reductions that are dispatched by PJM based on actual load reduced, Real-Time LMP and the operational information provided by participant and submitted to PJM.
- e. In the event the customer does not reduce sufficient load to meet the PJM Dispatched commitment, there is no charge to participant under this Rider. Nevertheless, participant shall submit operational information that represents the customer's actual ability to curtail.

(Cont'd on Sheet No. 30.2)

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**RIDER D.R.S. 2
(Demand Response Service – Economic)**

(Cont'd from Sheet No. 30.1)

Curtailed Energy.

For each curtailment period, Curtailed Energy shall be defined as the difference between the customer's Customer Baseline Load (CBL) calculation and the customer's actual energy used during each hour of the curtailment period.

Customer Baseline Load Calculation.

A Customer Baseline Load (CBL) will be calculated for each hour corresponding to each curtailment event hour. Normally, the CBL will be calculated for each hour as the average corresponding hourly demands from the highest four (4) out of the five (5) most recent similar non-event days in the period preceding the relevant curtailment event. The highest load days are defined as the similar days (Weekday, Saturday, Sunday/Holiday as defined by PJM) with the highest energy consumption spanning the curtailment event hours. In cases where the normal calculation does not provide a reasonable representation of normal load conditions, the Company and the participant may develop an alternative CBL calculation that more accurately reflects the customer's normal consumption pattern.

Curtailment Credit.

The Curtailment Credit shall be equal to the product of the Hourly Curtailed Energy and 90% of the applicable LMP (Day-Ahead or Real-Time, based upon Economic Demand Response Option) established by PJM (including congestion and marginal losses). Curtailment Credits will not be provided for energy that is also receiving Curtailment Credits under Rider D.R.S. 1.

Settlement.

The credit, for any curtailments during the billing month, will be paid or credited to the participant within 60 days after the end of the billing month in which the curtailment occurred. Participant shall initiate the settlement process by providing to the Company the sufficient curtailment information to meet the qualifications as set for by PJM. A customer may request the aggregation of individual customer account credits into a single credit.

Customer Charge.

Participants taking service under this Rider shall pay a monthly customer charge of \$10.00 per account to offset the cost of the customer-related expenses for additional load determination and billing expenses. If a change in metering equipment or functionality is required, participants taking service under this Rider shall pay the additional cost of installation. The Company will make available to the participant the real time pulse metering data, if requested by the participant, for an additional fee.

(Cont'd on Sheet No. 30.3)

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RIDER D.R.S. 2
(Demand Response Service – Economic)

(Cont'd from Sheet No. 30.2)

Term.

Contracts under this Rider shall be made for an initial period of one (1) year and shall remain in effect thereafter until either party provides to the other at least 30 days' written notice of its intention to discontinue service under the terms of this Rider.

Special Terms and Conditions.

Individual customer information, including, but not limited to, operational information and Curtailment Options, shall remain confidential.

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**RIDER D.R.S. 3
(Demand Response Service – Ancillary)**

Availability of Service.

Demand Response Service (DRS3) is available to customers taking firm service from the Company under Tariffs G.S., G.S.-TOD, L.G.S., L.G.S.-TOD, I.P., M.S., W.S.S., or E.H.G. who have the ability to control load under the provisions under this Rider. DRS3 is also available on a voluntary basis to customers taking interruptible service under a contract with the Company, except to the extent the customer's participation in DRS3 would keep the customer from meeting the load reduction requirements of the contract. DRS3 provides participating customers an opportunity to offer demand response to meet the needs of the transmission system and receive a payment or credit for such demand response service.

The customer's demand response service under this Rider will be enrolled in the PJM Interconnection, L.L.C. RTO (PJM) Economic Demand Response Program through the Company, for the purpose of providing Ancillary Services. The customer's demand response service is not eligible for enrollment in any PJM demand response program either directly or through a curtailment service provider, except as noted within this rider. Customer's participating in this Rider may elect to use the services of Curtailment Service Providers provided that such arrangements do not violate the terms and conditions of this Rider.

A Curtailment Service Provider is an entity such as a PJM-qualified CSP that the customer has designated to facilitate all or some of the customer notifications and transactions under this Rider.

The customer must provide written notice to the Company of any such designation. Such written notice shall specify the authority that the customer has granted to the Curtailment Service Provider, including any authority to access customer data. The customer is ultimately responsible for compliance with the terms and conditions of this Rider, including any charges under this Rider, in which the customer has voluntarily elected to participate.

The term "customer" or "resource" as used herein shall mean the customer or an aggregation of customers that have agreed for purposes of participation in this Rider to participate as an aggregation in the same manner as a single customer would under this Rider. The term "participant" as used herein shall mean the customer or customer-designated Curtailment Service Provider as defined above.

Conditions of Service.

- (1) The provisions of this Rider qualify under the PJM Economic Demand Response Program as of the effective date, and as such, the customer must be registered in the PJM Economic Demand Response program. The Company reserves the right to make changes to this Rider in order to continue to qualify under the PJM Economic Demand Response Program, PJM manual changes and/or any changes to regulatory standards that apply.
- (2) Ancillary product specific metering and/or telemetering is required. Meter and telemetry equipment shall meet the minimum PJM and Company requirements for each Ancillary Service desired to be supplied by the customer. The incremental cost of any special metering, communications, control equipment and all equipment required to integrate into the Company's systems required for service under this Rider beyond that normally provided shall be borne by the customer.

(Cont'd on Sheet No. 31.1)

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**RIDER D.R.S. 3
(Demand Response Service – Ancillary)**

(Cont'd from Sheet No. 31)

- (3) The Company will inform the participant regarding the communication process and timing required to participate under this Rider. The customer is ultimately responsible for receiving and acting upon notifications from the Company.
- (4) The participant shall not receive credit for any curtailment periods to the extent that the customer's DRS3 curtailable load is already reduced due to a planned or unplanned outage as a result of vacation, renovation, repair, refurbishment, force majeure, strike, economic conditions, or any event other than the customer's normal operating conditions.
- (5) **NO RESPONSIBILITY OR LIABILITY OF ANY KIND SHALL ATTACH TO OR BE INCURRED BY THE COMPANY OR THE AEP SYSTEM FOR, OR ON ACCOUNT OF, ANY LOSS, COST, EXPENSE, OR DAMAGE CAUSED BY OR RESULTING FROM, EITHER DIRECTLY OR INDIRECTLY, ANY SERVICE PROVIDED UNDER THE PROVISIONS OF THIS RIDER.**

Ancillary Demand Response Options.

Participants shall have three (3) Ancillary service options to participate under DRS3. The options include: (1) Day-Ahead Scheduling Reserves, (2) Synchronized Reserves Market and (3) Regulation Market. The detail for each DRS3 option is as follows:

1. DAY-AHEAD SCHEDULING RESERVES (DASR)

Description: Day-Ahead Scheduling Reserves is the procurement of supplemental, 30-minute reserves on the PJM system on a day-ahead basis. It is an offer-based market for 30-minute reserve that can be provided by both generation and demand resources. It will clear existing reserve requirements on a day-ahead, forward basis.

Day-Ahead Scheduling Reserves Requirements / Implementation

- a. One-minute interval metering is required for customers electing to participate under the Day-Ahead Scheduling Reserves option.
- b. Participants electing the Day-Ahead Scheduling Reserves option agree to provide 30-minute reserves on a day-ahead basis. Participants shall have 30-minutes to reduce load to the assigned MW amount.
- c. The Company submits bids to supply PJM Day-Ahead Scheduling Reserves, in the PJM Day-Ahead Market, based upon information provided in advance by participant. Customer shall be required to submit data information at a time suitable for the Company to manage or facilitate day-ahead market activities.
- d. Load response is dispatched by PJM in real-time.
- e. Customer communication method must be approved by PJM.
- f. A Demand Resource with a Day-ahead Scheduling Reserve award is obligated to reduce load within 30 minutes of notification for all hours of the operating day in which it received the DASR award.

(Cont'd on Sheet No. 31.2)

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**RIDER D.R.S. 3
(Demand Response Service – Ancillary)**

(Cont'd from Sheet No. 31.1)

- g. For Demand Resources, measurement is the difference between the demand resource's MW consumption at the time a resource is requested by PJM dispatch to reduce and its MW consumption after 30 minutes of the request. In order to allow for small fluctuations and possible telemetry delays, demand resources consumption at the start of the event is defined as the greatest telemetered consumption between one (1) minute prior to and one (1) minute following the issuance of the dispatch instruction. Similarly, a demand resource's consumption thirty minutes after the dispatcher request is defined as the lowest consumption measured between twenty nine (29) and thirty (31) minutes after the start of the request.

Day-Ahead Scheduling Reserves Payment / Credit:

The Company shall provide payment / credit to participant as the product of the Day-Ahead Cleared Scheduling Reserve (MW) or assigned MW and the Day-Ahead Scheduling Reserve (DASR) Clearing Price as determined by PJM. In the event PJM dispatches a reduction in load, participant will receive payment / credit as a product of the amount of reduction and AEP Zonal LMP ("LMP) for the duration of the dispatch period.

Payment / credit will not be provided for energy that is also receiving payment or curtailment credits under Rider D.R.S. 1 or Rider D.R.S. 2.

Day-Ahead Scheduling Reserves Non-Compliance Penalty:

In the event the customer does not reduce assigned load in compliance with the Day-Ahead Scheduling Reserves program rules, then a penalty shall be issued to the customer, which shall include the following:

1. Forfeiture of revenue over hours assigned for the day, and any contiguously awarded hours prior to such compliance failure.

2. SYNCHRONIZED RESERVES (SR) MARKET

Description: SR Market provides for the supply of electricity if the grid has an unexpected need for more power on short notice. Demand resources may bid to supply synchronized reserve by reducing their energy use within ten (10) minutes. Synchronized Reserve resources include demand response and generator resources.

Synchronized Reserves Market Requirements / Implementation:

- a. One-minute interval metering is required for customers electing to participate under the SR Market option.
- b. The minimum kW reduction is 100 kW.
- c. Customer shall be required to reduce load within ten (10) minutes when notified by the Company for a SR event, if cleared in SR market.
- d. Participation in Synchronized Reserves Market requires 24-hour all-call availability unless participant defines hour(s) of participation.

(Cont'd on Sheet No. 31.3)

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DATED
IN CAUSE NO.**

**RIDER D.R.S. 3
(Demand Response Service – Ancillary)**

(Cont'd from Sheet No. 31.2)

- e. The Company submits operational information regarding the curtailment capability to PJM based upon information provided in advance by participant who shall be required to submit information at a time suitable for the Company to manage or facilitate Synchronized Reserves market activities.
- f. The Company monitors PJM Synchronized Reserves Market operations and notifies the participant if the customer's specified load is cleared by PJM.

Customers shall have two options to participate in the Synchronized Reserves Market. They include:

- i. **“Tier 1” option** is voluntary during a PJM SR event. In the event the customer's load does not clear, customer can still reduce specified load. Customer is eligible for payment if they are capable of receiving real-time instruction from Company, 24-hours a day, and reduce load within 10 minutes.

Tier 1 Payment / Credit:

Payment / credit under Tier 1 is equal to the integrated decrease in MW consumption for demand response resources from each resource over the length of a synchronized reserve event times the Synchronized Energy Premium. If load reduction is not achieved by the time the event is cancelled, no payment/credit will be granted.

Synchronized Energy Premium is defined as the average of the 5-minute LMPs calculated during the synchronized reserve event plus \$50/MWh less the hourly integrated LMP.

Other than any applicable synchronized energy premium, payment / credits will not be provided for energy that is also receiving payment or curtailment credits under Rider D.R.S. 1 or Rider D.R.S. 2.

Tier 1 Non-Compliance Penalty:

No penalty for customers not complying under Tier 1.

- ii. **“Tier 2” option** is the event the offer clears in the hourly market, then a mandatory reduction of load in ten (10) minutes is required by the customer during a PJM SR event. Tier 2 consists of the additional resources that are synchronized to the grid and operating at a point that deviates from economic dispatch to provide additional synchronized reserve not available from Tier 1 resources.

(Cont'd on Sheet No. 31.4)

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(Demand Response Service – Ancillary)**

(Cont'd from Sheet No. 31.3)

Tier 2 Payment / Credit:

Payment / credit is provided to resource owner that has pool-scheduled synchronized reserve.

SR payment / credit for resources assigned pool-scheduled synchronized reserve is the resource's synchronized reserve offer times its assigned synchronized reserve capability less any shortfall due to failure to provide assigned capability during a synchronized reserve event (plus opportunity cost, energy use costs, and startup costs incurred, for generators), as applicable.

Tier 2 Non-Compliance Penalty:

In the event the customer does not reduce specified load to meet the PJM Synchronized Reserves Market under a Tier 2 commitment, then a penalty shall be issued to the customer, which shall include the following:

1. Forfeiture of Tier 2 revenue over contiguous hours assigned (or, no payment for all hours included in the offer).
2. Payment of the Tier 2 (PJM) clearing price times the amount of non-performance for the three consecutive same peak days occurring at least three business days following the event.

Determination and verification of reductions shall be consistent with the requirements of the PJM Synchronized Reserves Market, including provisions related to "batch load" resources.

3. PERFORMANCE BASED REGULATION MARKET

The Company is not providing Performance Based Regulation service at the present time. Customers who desire to participate in the Regulation Market utilizing Demand Response shall make the necessary arrangements with a qualified PJM Regulation Service Provider for enrollment, implementation, terms and conditions and settlement purposes. Such customer participation shall also require a contract to be entered into between the Company and customer. The terms and conditions described below under the Performance Based Regulation Market (applicable should the Company begin providing Performance Based Regulation Service), shall not be applicable to such contract. The Customer Charge, under this Rider, shall not apply to customers providing Performance Based Regulation via a Regulation Service Provider.

Description: Performance Based Regulation Market is a market-based system for the purchase and sales of the Regulation ancillary service. Performance Based Regulation Market service corrects for short-term changes in electricity use that might affect the stability of the power system. This service helps match generation and load, and adjusts generation output to maintain desired frequency. It is an automatic adjustment of load in response to a PJM dynamic regulation control signal. Participating customers are generally compensated based on both the market clearing prices and on how accurately and quickly they respond to PJM Regulation signals.

(Cont'd on Sheet No. 31.5)

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**RIDER D.R.S. 3
(Demand Response Service – Ancillary)**

(Cont'd from Sheet No. 31.4)

Performance Based Regulation Market Requirements / Implementation

- a. Real-time telemetry (telemetering) required for customers electing to participate under the Regulation Market option.
- b. The minimum kW offer shall be 100 kW.
- c. Customer shall be required to submit data information at a time suitable for the Company to manage or facilitate day-ahead and intraday market activities.
- d. Resource owners wishing to sell regulation service must at least supply a cost-based regulation offer. All resources listed as available for regulation with no offer price have their offer prices set to zero.
- e. In the event load is cleared by PJM in the Performance Based Regulation Market, a mandatory response or automatic adjustment of load in response to PJM regulation control signal is required.
- f. Customers electing this Performance Based Regulation Market option shall decrease load or increase load as directed by the Company within five (5) minutes of notification.
- g. PJM clears the regulation market simultaneously with the synchronized reserve market, and posts the results no later than 30 minutes prior to the start of the operating hour.
- h. Each participant is required to pre-certify regulation capability prior to participation under this rider and avail itself to periodic testing of capability.
- i. Each participant shall be required to pay the Company's actual costs to set up and test its systems to enable Regulation participation. The Company shall provide the Participant with an itemized invoice.

Performance Based Regulation Market Payment / Credit:

The Company shall provide payment / credit in accordance with PJM Manual 28.

Regulation Market Non-Compliance Penalty:

In the event the customer fails to adequately follow the PJM Regulation signal, customer may be subject to disqualification and subsequent recertification.

Regulation Market Qualifications / Eligibility:

The following resources criteria must be met to participate in the Regulation Market:

- Resources must be able to receive an AGC signal.
- Resources must demonstrate minimum performance standards, as set forth in the PJM Manual 12: Balancing Operations, Section 4: Providing Ancillary Services.
- New resources must pass an initial performance test (minimum 75% compliance required).
- Resources must exhibit satisfactory performance on dynamic evaluations.

(Cont'd on Sheet No. 31.6)

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**RIDER D.R.S. 3
(Demand Response Service – Ancillary)**

(Cont'd from Sheet No. 31.5)

- Resources MW output must be telemetered to the PJM control center in a manner determined to be acceptable by PJM.
- Demand Resources must be able to provide the smallest quantity of MW of Regulation Capability required by PJM, currently 0.1 MW, in order to participate in the Regulation Market.
- Demand Resources must complete initial and continuing training on Regulation and Synchronized Reserve Market as documented in Manual 40: Certification and Training Requirements, Section 2.6: Training Requirements for Demand Response Resources Supplying Regulation and Synchronized Reserve.

General Terms and Conditions under Rider DRS-3

Curtailment Credit.

Customers enrolled in Riders D.R.S.-1, D.R.S.-2 and D.R.S.-3 shall only receive a single curtailment credit for energy reduced under one of these three riders. For example, curtailment credits for any energy reduced under the DASR option of Rider D.R.S.-3 are provided under Rider D.R.S.-2.

Settlement.

The credit, for any curtailments during the billing month, will be paid or credited to the participant within 60 days after the end of the billing month in which the curtailment occurred. A customer may request the aggregation of individual customer account credits into a single credit.

Customer Charge.

Participants taking service under this Rider shall pay a monthly customer charge of \$150.00 per account to offset the cost of the customer-related expenses for additional load determination and billing expenses. If a change in metering equipment or functionality is required, participants taking service under this Rider shall pay the additional cost of equipment and installation. The Company will make available to the participant the real time pulse metering data, if requested by the participant, for an additional fee.

Term.

Contracts under this Rider shall be made for an initial period of one (1) year and shall remain in effect thereafter until either party provides to the other at least 30 days' written notice of its intention to discontinue service under the terms of this Rider. A new initial period will not be required for a customer that has previously participated.

Special Terms and Conditions.

Individual customer information, including, but not limited to, operational information and Curtailment Options, shall remain confidential.

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ECONOMIC DEVELOPMENT RIDER

Availability of Service.

In order to encourage economic development in the Company's service area, limited-term reductions in billing demands described herein are offered to qualifying new and existing retail customers who make application for service under this Rider prior to January 1, 2019.

Service under this Rider is intended for specific types of commercial and industrial customers whose operations, by their nature, will promote sustained economic development based on plant and facilities investment and job creation. This Rider is available to commercial and industrial customers served under Tariff I.P. who meet the following requirements:

- (1) A new customer must have a billing demand of 1,000 kVA or more. An existing customer must increase billing demand by 1,000 kVA or more over the maximum billing demand during the 12 months prior to the date of the application by the customer for service under this Rider (Base Maximum Billing Demand).
- (2) In no event shall service under this Rider be available to a customer whose principal business at the service location is classified in one of the following SIC Major Groups:

01	02	07	08	09	15	16	17	50	51
52	53	54	55	56	57	58	59	64	

or in one of the following NAICS Major Groups:

11	21	22	23	42	44	45	48	53	71
72									

- (3) A new customer, or the expansion by an existing customer, must result in the creation of at least 10 full-time equivalent jobs (FTE) maintained over the contract term at the service location. Company reserves the right to verify FTE job counts. Failure to maintain the minimum required FTE jobs will result in the termination of the contract or agreement addendum for service under this Rider.
- (4) The customer must demonstrate to the Company's satisfaction that, absent the availability of this Rider, the qualifying new or increased demand would be located outside of the Company's service territory or would not be placed in service due to poor operating economics.

Availability is limited to customers on a first-come, first-served basis for loads aggregating 250 MVA.

Terms and Conditions.

- (1) To receive service under this Rider, the customer shall make written application to the Company with sufficient information contained therein to determine the customer's eligibility for service.
- (2) For new customers, billing demands for which deductions will be applicable under this Rider shall be for service at a new service location and not merely the result of a change of ownership. Relocation of the

(Cont'd on Sheet No. 32.1)

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ECONOMIC DEVELOPMENT RIDER

(Cont'd from Sheet No. 32)

delivery point of the Company's service does not qualify as a new service location.

- (3) For existing customers, billing demands for which deductions will be applicable under this Rider shall be the result of an increase in business activity and not merely the result of resumption of normal operations following a force majeure, strike, equipment failure, renovation or refurbishment, or other such abnormal operating condition. In the event that such an occurrence has taken place during the 12-month period prior to the date of the application by the customer for service under this Rider, the monthly billing demands during the 12-month period shall be adjusted as appropriate to eliminate the effects of such occurrence.
- (4) All demand adjustments offered under this Rider shall terminate no later than December 31, 2022.
- (5) The existing local facilities of the Company must be deemed adequate, in the judgment of the Company, to supply the new or expanded electrical capacity requirements of the customer. If construction of new or expanded local facilities by the Company are required, the customer may be required to make a contribution-in-aid of construction for the installed cost of such facilities pursuant to the provisions of Item No. 14 of the Company's Terms and Conditions of Service.

Determination of Monthly Adjusted Billing Demand.

The qualifying incremental billing demand shall be determined as the amount by which the billing demand, as determined according to Tariff I.P. for the current billing period without this Rider, exceeds the Base Maximum Billing Demand. Such incremental billing demand shall be considered to be zero, however, unless it is at least 1,000 kVA for new customers or existing customers.

The monthly adjusted billing demand under this Rider shall be the billing demand as determined according to Tariff I.P. for the current billing period without this Rider less the product of the qualifying incremental billing demand and the applicable Adjustment Factor.

No Adjustment Factors shall be applied to any portion of minimum billing demands as calculated under Tariff I.P.

Determination of Adjustment Factor.

Standard New Development Customers – customers meeting all availability and terms and conditions above shall contract for service for a period of three (3) years with an Adjustment Factor of thirty percent (30%).

Urban Redevelopment Customers – customers meeting all availability and terms and conditions above, and that (1) are locating a new business in an existing building that has been unoccupied and/or has remained dormant for at least one or more years and has no current or prior relationship with the previous occupant, as determined by the Company, and (2) taking delivery at one point that does not require significant distribution or transmission system investment, other than the connection of service, shall contract for service for a period of three (3) years with an Adjustment Factor of thirty-five percent (35%).

(Cont'd on Sheet No. 32.2)

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INDIANA MICHIGAN POWER COMPANY
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ECONOMIC DEVELOPMENT RIDER

(Cont'd from Sheet No. 32.1)

Brownfield Redevelopment Customers – customers meeting all availability and terms and conditions above, and that (1) are locating a new business in qualifying Brownfield redevelopment areas, as defined under Indiana or Federal law, (2) are served by existing I&M service lines, and (3) are locating in an existing building that has been unoccupied for at least one year and has no current or prior relationship with the previous occupant, as determined by the Company, shall contract for service for a period of three (3) years with an Adjustment Factor of forty percent (40%).

The appropriate adjustment factor shall be applicable over a period of 36 consecutive billing months beginning with the first such month following the end of the start-up period. The start-up period shall commence with the effective date of the contract addendum for service under this Rider and shall terminate by mutual agreement between the Company and the customer.

In no event shall the start-up period exceed 12 months.

Terms of Contract.

A contract or agreement addendum for service under this Rider, in addition to service under Tariff I.P., shall be executed by the customer and the Company for the time period which includes the start-up period and the three-year period immediately following the end of the start-up period. The contract addendum shall specify the Base Maximum Billing Demand, the anticipated total demand, the Adjustment Factor and related provisions to be applicable under this Rider, and the effective date for the contract addendum.

The customer may discontinue service under this Rider before the end of the contract or agreement addendum only by reimbursing the Company for any demand adjustments received under this Rider billed at the applicable rate.

Special Terms and Conditions.

Except as otherwise provided in this Rider, written agreements shall remain subject to all of the provisions of Tariff I.P. This Rider is subject to the Company's Terms and Conditions of Service.

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I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

ORIGINAL SHEET NO. 33

GREEN POWER RIDER (GPR)

Availability of Service.

Available on a voluntary basis to customers who are in good standing and desire to purchase renewable energy credits from the Company's owned solar resources. Participation under this Rider shall be limited by the availability of Solar Renewable Energy Certificates (SRECs). If the annual total of all kWh under this Rider equals or exceeds 90% of the Company's Indiana retail jurisdictional share of projected SRECs to be produced by the Clean Energy Solar Pilot Project, the Company shall suspend the availability of this Rider to new participants.

Conditions of Service.

Customers who wish to additionally support the development of electricity generated by I&M's solar resources may voluntarily subscribe to purchase each month a specific number of fixed SREC blocks in increments of 50 kWh per block. The Company will retire the SRECs associated with the energy purchased by participating customers on an annual basis upon receipt of payment from the customer. The proceeds of this rider will be used towards GPR Marketing Expenses and offsetting the cost of the ~~Fuel Cost Adjustment Rider~~ ~~Solar Power Rider (SPR)~~ for all customers.

Monthly Rate.

In addition to the monthly charges determined according to the Company's rate schedule under which the customer takes service, the customer shall participate in the Green Power Rider by subscribing to a specific number of fixed blocks at a rate of:

\$0.93 for each 50 kWh block subscribed.

The Company will update the fixed block rate on an annual basis, based on the most appropriate vintage of Pennsylvania Solar REC, as published by SNLEnergy in its Power Daily Newsletter RECs Index. If the SREC product index is no longer available or the state of Indiana adopts a Renewable Portfolio Standard that includes solar, the Company will select a replacement SREC product as the basis for establishing the monthly rate.

Terms of Service.

This is a voluntary program. Customers eligible for this Rider may participate by applying to the Company for service under this Rider. Once approved for service under this Rider, service will begin within a minimum of fifteen (15) days of the customer's regular scheduled meter reading date. Customers may terminate service under this Rider by notifying the Company with at least thirty (30) days notice prior to the customer's regular scheduled meter reading date.

(Cont'd on Sheet No. 33.1)

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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

ORIGINAL SHEET NO. 33.1

GREEN POWER RIDER (GPR)
(Cont'd from Sheet No. 33)

Special Terms and Conditions.

Customer specific information, including, but not limited to the specific number of fixed SREC blocks purchased under this Rider, shall remain confidential.

This Rider is subject to the Company's Terms and Conditions of Service and all provisions of the standard rate schedule under which the customer takes service, including all payment provisions.

Service under this Rider provides for the generation of renewable solar energy by the Company, but not for actual physical delivery to customers receiving service under this Rider.

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**RIDER NMS
(Net Metering Service Rider)**

Availability of Service.

This rider is available to customers in good standing who own and operate an eligible net metering renewable energy resource such as solar photovoltaic, wind, or hydro electrical generating facility designed to operate in parallel with the Company's system. Customers served under this rider must also take service from the Company under the otherwise applicable standard service tariff.

The total rated generating capacity of all net metering customers served under this rider shall be limited to one percent (1%) of the Company's most recent Indiana aggregate summer peak load. At least forty percent (40%) of the capacity is reserved solely for participation by residential customers. Service under this rider shall be available to customers on a first come, first served basis.

Conditions of Service.

1. For purposes of this rider, an eligible net metering facility is an electrical generating facility that complies with all of the following requirements:
 - (a) is fueled by a renewable energy resource as defined in IC 8-1-37-4(a)(1) through IC 8-1-37-4(a)(1)(8) such as solar photovoltaic, wind, or hydroelectric energy;
 - (b) has a nameplate capacity less than or equal to 1 MW;
 - (c) is owned and operated by the customer and is located on the customer's premises;
 - (d) is intended primarily to offset all or part of the customer's own electrical load requirements; and
 - (e) is designed and installed to operate in parallel with the Company's system without adversely affecting the operation of equipment and service of the Company and its customers and without presenting safety hazards to Company and customer personnel.
2. A customer seeking to interconnect an eligible net metering facility to the Company's system must submit to the Company's designated personnel a completed Application for Interconnection with the Indiana Michigan Power Company Distribution System and a one-line diagram showing the configuration of the proposed net metering facility. The Company will provide copies of all applicable forms upon request.
3. An Addendum to Contract for Electric Service between the Company and the net metering customer must be executed before the net metering facility may be interconnected with the Company's system.

(Cont'd on Sheet No. 34.1)

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**RIDER NMS
(Net Metering Service Rider)**

(Cont'd from Sheet No. 34)

4. Customer-owned generator equipment and installations must comply with the Company's Technical Requirements described in this tariff.
5. The net metering customer shall provide the Company proof of qualified installation of the net metering facility. Certification by a licensed electrician shall constitute acceptable proof.
6. The net metering customer shall install, operate, and maintain the net metering facility in accordance with the manufacturer's suggested practices for safe, efficient, and reliable operation in parallel with the Company's system.
7. The Company may, at its own discretion, isolate any net metering facility if the Company has reason to believe that continued interconnection with the net metering facility creates or contributes to a system emergency. System emergencies causing discontinuance of interconnection shall be subject to verification at the Commission's discretion.
8. The Company may perform reasonable on-site inspections to verify the proper installation and continuing safe operation of the net metering facility and the interconnection facilities, at reasonable times and upon reasonable advance notice to the net metering customer.
9. A net metering customer operating a net metering facility shall maintain homeowners, commercial, or other insurance providing coverage in the amount of at least one hundred thousand dollars (\$100,000) for the liability of the insured against losses or damages arising from the use of the customer's net metering facility. The customer must submit evidence of such insurance to the Company with the Interconnection Application. The Company's receipt of evidence of liability insurance does not imply an endorsement of the terms and conditions of the coverage.
10. The Company and the net metering customer shall indemnify and hold the other party harmless from and against all claims, liability, damages, and expenses, including attorney's fees, based on any injury to any person, including loss of life, or damage to any property, including loss of use thereof, arising out of, resulting from, or connected with, or that may be alleged to have arisen out of, resulted from, or connected with an act or omission by such other party, its employees, agents, representatives, successors, or assigns in the construction, ownership, or maintenance of such party's facilities used in net metering. This indemnification provision is not applicable in the case of government net metering customers that are restricted from entering into indemnification provisions.

(Cont'd on Sheet No. 34.2)

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**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**RIDER NMS
(Net Metering Service Rider)**

(Cont'd from Sheet No. 34.1)

Metering.

One of the following metering options, if not already present, shall be installed on the net metering customer's premises by the Company to properly record the net kWh of a net metering facility:

- (1) One main watt-hour meter capable of measuring the net flow of energy.
- (2) One main watt-hour meter measuring the flow of energy to the net metering customer and a second watt-hour meter measuring the flow of energy to the Company. The reading of the second meter will be subtracted from the reading of the main meter to obtain a measurement of net kWh for billing purposes.

The Company may install one or more additional meters to monitor the flow of electricity.

Monthly Charges and Billing.

Monthly charges for energy, and demand where applicable, to serve the customer's net or total load shall be determined according to the Company's standard service tariff under which the customer would otherwise be served, absent the customer's eligible net metering facility. Energy charges under the customer's standard tariff shall be applied to the customer's net energy for the billing period to the extent that the net energy exceeds zero. If the customer's net energy is zero or negative during the billing period, the customer shall pay only the non-energy usage portions of the standard tariff bill. If the customer's net energy is negative during a billing period, the net metering customer shall be credited in the next billing period for the kWh difference. When the net metering customer elects to no longer take service under this Net Metering Service Rider, any unused credit shall revert to the Company.

Contract.

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 2, 14, and/or 17 of the Company's Terms and Conditions of Service.

Special Terms and Conditions.

This rider is subject to the Company's Terms and Conditions of Service and all provisions of the standard service tariff under which the customer takes service. This rider is also subject to provisions of the Company's Net Metering Tariff Technical Requirements.

(Cont'd on Sheet No. 34.3)

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STATE OF INDIANA**

**RIDER NMS
(Net Metering Service Rider)**

(Cont'd from Sheet No. 34.2)

Technical Requirements.

These technical requirements relate to the interconnection of a net metering facility to the Company's distribution system. Interconnection enables the net metering facility to operate in parallel with the Company's distribution system. Inverter based systems listed by Underwriters Laboratories (UL) to UL standard 1741 published May 7, 1999, as revised January 28, 2010 (UL 1741) will be accepted as meeting the technical interconnection requirements tested by UL 1741. Non-inverter based systems and interconnection requirements not tested by UL 1741 shall comply with standard, IEEE 1547, "Standard for Interconnecting Distributed Resources with Electric Power Systems." IEEE publications are available from the Institute of Electrical and Electronics Engineers, 443 Hoes Lane, P. O. Box 1331, Piscataway, NJ 08855-1331 (<http://standards.ieee.org/>). Since UL 1741 and IEEE 1547 do not address planning, designing, operating, or maintaining the utility's distribution system nor all of the potential system impacts the proposed net metering facility may create beyond the point of common coupling, certain additional technical requirements are contained herein.

These technical requirements are supplementary to and do not intentionally conflict with or supersede applicable laws, ordinances, rules, or regulations established by Federal (including all applicable safety and performance standards of the National Electrical Code), State, and other governmental bodies. The customer proposing to install a net metering facility is responsible for conforming to all applicable laws, ordinances, rules, or regulations established by Federal, State, and other governmental bodies.

The Company will provide the screening of all interconnection applications and, if necessary, an interconnection study to determine the impact of the net metering facility on the Company's distribution system beyond the point of common coupling.

To assure that the safety, reliability, and power quality of the distribution system is not degraded by the interconnection of the net metering facility:

- (1) The net metering facility shall comply with these technical requirements.
- (2) Any new distribution system facilities, distribution system modifications, and/or modifications to the net metering facility identified by the interconnection study shall be completed prior to interconnection.
- (3) The net metering facility shall be operated and maintained as agreed upon by the parties.

(Cont'd on Sheet No. 34.4)

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**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

**RIDER NMS
(Net Metering Service Rider)**

(Cont'd from Sheet No. 34.3)

Data for all major equipment proposed by the customer to satisfy the technical requirements must be submitted for review by the Company with the completed Interconnection Application. The use of pre-certified equipment will facilitate the Company's review. Pre-certified equipment has been tested and certified by recognized national testing laboratories (i.e., UL 1741) as suitable for interconnection with a distribution system based upon compliance with IEEE Standard 1547. Suitability for interconnection does not imply that pre-certified equipment may be interconnected without a study to determine system impact. The Company will endeavor to timely communicate the results of its review and study to the customer.

The interconnection system hardware and software design requirements in the technical requirements are intended to assure protection of the Company's distribution system. Any additional hardware and software necessary to protect equipment at the net metering facility is solely the responsibility of the customer to determine, design, and apply.

If an interconnection transformer is required, the transformer must comply with the applicable current ANSI Standard from the C57.12 series of standards that specifies the requirements for transformers. ANSI publications are available from the Sales Department, American National Standards Institute, 25 West 43rd Street, 4th Floor, New York, NY 10036 (<http://www.ansi.org/>). An interconnection transformer would typically be required when the voltage at the point of common coupling is greater than 480 volts and the customer's electrical system design dictates. If required, the cost and ownership of the interconnection transformer shall reside with the customer.

The transformer should have voltage taps on the high and/or low voltage windings sufficient to assure satisfactory generator operation over the range of voltage variation expected on the Company's distribution system. The customer needs to assure sufficient voltage regulation at its facility to maintain an acceptable voltage level for its equipment during such periods when its net metering facility is off line.

If a main circuit breaker (or circuit switcher) between the interconnection transformer and the Distribution System is required, the device must comply with the applicable current ANSI Standard from the C37 series of standards that specifies the requirements for circuit breakers, reclosers, and interrupting switches. An interconnection circuit breaker would typically be required when the voltage at the point of common coupling is greater than 480 volts and the customer's electrical system design dictates. If required, the cost and ownership of the interconnection circuit breaker shall reside with the customer.

Any circuit breaker (or circuit switcher) must have adequate interrupting capability for the maximum expected short circuit duty. The Company will provide information identifying the contribution from the electric system to faults at the proposed site.

(Cont'd on Sheet No. 34.5)

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**RIDER NMS
(Net Metering Service Rider)**

(Cont'd from Sheet No. 34.4)

A disconnecting device must be located at the point of common coupling for all interconnections. For three-phase interconnections, the disconnecting device must be gang operated. The disconnecting device must be accessible to Company personnel at all times and be suitable for use by the Company as a protective tagging location. The disconnecting device shall have a visible open gap when in the open position and be capable of being locked in the open position. The cost and ownership of the main disconnect switch shall reside with the customer.

The device must comply with the applicable current ANSI Standard from the C37 series of standards that specifies the requirements for circuit breakers, reclosers, and interrupting switches.

The closest available system voltage as well as equipment and operational constraints influence the chosen point of interconnection. The Company will consult with the customer to determine the acceptability of a particular interconnection point.

For situations where the customer's net metering facility will only be operated in parallel with the Company's distribution system for a short duration (less than 100 milliseconds), as in a make-before-break automatic transfer scheme, the requirements of IEEE 1547 do not apply except as noted in Clause 4.1.4.

The customer is responsible for operating the proposed net metering facility such that the voltage unbalance attributable to the net metering facility shall not exceed 2.5% at the point of common coupling. Voltage unbalance is the maximum phase deviation from average as specified in ANSI C84.1.

The Company reserves the right to witness compliance testing at the time of installation and maintenance testing of the interconnection system for compliance with these technical requirements.

The customer is responsible for establishing a program for and performing periodic scheduled maintenance on the net metering facility's interconnection system (relays, interrupting devices, control schemes, and batteries that involve the protection of the Company's distribution system). A periodic maintenance program is to be established in accordance with the requirements of IEEE 1547. The Company may examine copies of the periodic test reports or inspection logs associated with the periodic maintenance program. Upon the Company's request, the Company shall be informed of the next scheduled maintenance and be able to witness the maintenance performed and any associated testing.

The Company reserves the right, at the Company's expense, to install special test equipment as may be required to perform a disturbance analysis and monitor the operation and control of the net metering facility to evaluate the quality of power produced by the net metering facility.

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**I.U.R.C. NO. 17
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ORIGINAL SHEET NO. 35

RENEWABLE ENERGY OPTION (REO)

Availability of Service

Available on a voluntary basis to customers who are in good standing, taking Standard Service from the Company under a metered rate schedule and desire to purchase renewable energy for all or a portion of their monthly energy usage. Participation under this rider shall be limited by the availability of the Company's wind and solar renewable energy resources. If the annual total of all kWh under the Green Power Rider and this rider equals or exceeds 90% of the Company's Indiana retail jurisdictional share of renewable energy resources, the Company shall suspend the availability of this rider to new participants.

Conditions of Service

Renewable energy may be purchased as a percentage of total monthly usage in increments of 10% from 10% to 100% determined at the time the customer subscribes for service under this rider and can be updated by notifying the Company with at least thirty (30) days' notice prior to the customer's regular scheduled meter reading date.

Customers may apply for service under this rider at any time. In the event of over subscription, the Company will maintain a waiting list of customers requesting service under this rider. Customers on the waiting list will only be provided service under this rider if and when additional renewable energy is made available through the discontinuation of a current subscriber, or an increase in available renewable energy. The Company has no obligation to procure or make available additional renewable energy to serve customers on the waiting list.

The Company may terminate service under this rider to participating customers who become delinquent in any amount owed to the Company with a 30-day notice.

The Company will retire the Renewable Energy Certificates (RECs) associated with the energy purchased by participating customers on an annual basis upon receipt of payment from the customer. The proceeds of this rider will be used towards REO Marketing Expenses and offsetting the cost of the Fuel Cost Adjustment Rider for all customers.

Monthly Charges

In addition to the monthly charges determined according to the Company's rate schedule under which the customer takes service, the customer shall pay 3.53¢ per kWh for the percentage of renewable usage the customer subscribed for under this rider. The customer's monthly bill will separately identify the customer's standard and renewable usage. The customer's renewable usage will be billed as the sum of the standard rate schedule charges and the renewable energy charge.

The Company reserves the right to update the kWh rate no more frequent than annually, based on the methodology approved by the IURC.

(Cont'd on Sheet No. 35.1)

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ORIGINAL SHEET NO. 35.1

RENEWABLE ENERGY OPTION (REO)

(Cont'd from Sheet No. 35)

Terms of Service

This is a voluntary program. Customers eligible for this rider may participate by applying to the Company for service under this rider. Once approved for service under this rider, service will begin within a minimum of fifteen (15) days of the customer's regular scheduled meter reading date. Subscription under this rider shall remain in effect thereafter until either party shall give at least thirty (30) days' notice to the other prior to the customer's regular scheduled meter reading date of the intention to discontinue service under the terms of this rider.

Special Terms and Conditions

Customer specific information, including but not limited to the specific subscription under this rider, shall remain confidential.

This rider is subject to the Company's Terms and Conditions of Service and all provisions of the standard rate schedule under which the customer takes service, including all payment provisions.

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~~ORIGINAL SHEET NO. 36.1~~

CAPACITY SETTLEMENT RIDER (CSR)

(Cont'd from Sheet No. 36)

Tariff Class (1)	BE _{Class} (2)	CP/kWh Ratio (3)	CP _{Class} (4)=(2)x(3)
RS, RS-TOD, RS-TOD2 and RS-OPES		0.0217031%	
GS, GS-TOD, GS-LM-TOD and GS-TOD2		0.0177478%	
LGS and LGS-TOD		0.0158245%	
IP and CS-IRP2		0.0138377%	
MS		0.0170724%	
WSS		0.0130395%	
IS		0.0156199%	
EHG		0.0199788%	
OL		0.0074606%	
SLS, ECLS, SLC, SLCM and FW-SL		0.0068205%	
			CP _{Total}

1. "~~CP_{Total}~~" is the sum of the ~~CP_{Class}~~ for all tariff classes.

~~The adjustment factor as computed above shall be further modified to allow the recovery of utility receipts taxes and other similar revenue based tax charges occasioned by the CSR adjustment factor revenues.~~

~~The CSR adjustment factor shall be further modified to reflect the difference between incremental Capacity Settlement receipts/payments billed and incremental Capacity Settlement receipts/payments actually experienced during the latest twelve calendar months for which actual Capacity Settlement costs were available at the time of the filing of the application for a change in the CSR adjustment factor.~~

~~The adjustment factor as calculated above will be applied to all billing kilowatt-hours or billing demand for those tariff classes listed above.~~

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APPLICABLE SURCHARGES AND RATE ADJUSTMENTS~~RIDERS~~

Commission-approved surcharges and rate adjustments~~rider~~s applicable to standard~~full~~ service customers:

Applicable Surcharges and <u>Rate Adjustments</u> rider	Sheet No.
Fuel Cost Adjustment Rider	<u>375</u>
Capacity Settlement Rider	36
Clean Coal Technology Rider	<u>387</u>
Demand-Side Management / Energy Efficiency Program Cost Rider	<u>398</u>
Environmental Compliance Cost Rider	39
<u>Environmental Cost Rider</u>	<u>40</u>
Off-System Sales Margin Sharing / <u>PJM Cost</u> Rider	<u>410</u>
PJM Cost Rider	41
Life Cycle Management Rider	42
Federal Mandate Rider	43
Depreciation Credit	44
<u>Solar Power Rider</u>	<u>44</u>
<u>Resource Adequacy Rider</u>	<u>45</u>
<u>Phase-In Rate Adjustment</u>	<u>46</u>

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FUEL COST ADJUSTMENT RIDER

The energy charges set forth in all rate schedules and those energy charges that are either included in the capacity or demand charges of such rate schedules or in the minimum billings under such rate schedules shall be increased or decreased, to the nearest 0.001 mill (\$.000001) per kWh, in accordance with the following adjustment factor:

$$\text{Adjustment Factor} = \frac{F}{S} - \frac{\$0.01593000 - 0.0184580}{S} \text{ per kWh}$$

where:

1. "F" is the estimated expense of fuel based on a three-month average cost beginning with the month immediately following the current billing cycle month and consisting of the following costs:
 - (a) the average cost of fossil and nuclear fuel consumed in the Company's own plants, such cost being only those items listed in Account 151 and Account 518 (exclusive of spent nuclear fuel disposal costs which will be determined as specified in (e) below), respectively, of the Federal Energy Regulatory Commission's Uniform System of Accounts for Class A and B Public Utilities and Licensees;
 - (b) the actual identifiable fossil and nuclear fuel costs associated with energy purchased for reasons other than identified in (c) below;
 - (c) the net energy cost, exclusive of capacity or demand charges, of energy purchased on an economic dispatch basis, and energy purchased as a result of a scheduled outage, when the costs thereof are less than the Company's fuel cost of replacement net generation from its own system at that time; less
 - (d) the cost of fossil and nuclear fuel recovered through intersystem sales including fuel costs related to unit power sales, economy energy sales, and other energy sold on an economic dispatch basis;
 - (e) the total Company amounts of spent nuclear fuel disposal costs as determined in I.U.R.C. Cause No. 44075.
 - (f) wind related cost approved by the Commission for recovery within this rider.
 - (g) other revenues or costs approved by the Commission for recovery

(Cont'd on Sheet 37.1)

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FUEL COST ADJUSTMENT RIDER

(Cont'd from Sheet 37)

2. "S" is the estimated kilowatt-hour sales for the same estimated period set forth in "F", consisting of the net sum in kilowatt-hours of:
- (a) net generation
 - (b) purchases
 - (c) interchange-in, less
 - (d) intersystem sales
 - (e) energy losses and Company use

The adjustment factor as computed above shall be further modified to allow the recovery of utility receipts taxes and other similar revenue based tax charges occasioned by the fuel cost adjustment revenues.

The fuel cost charge shall be further modified to reflect the difference between incremental fuel cost billed and incremental fuel cost actually experienced not less than during the latest three calendar months for which actual fuel costs were available at the time of the filing of the application for a change in the fuel cost charge.

The adjustment factor as calculated above will be applied to all billing kilowatt-hours for those tariffs which have as part of their tariff a fuel cost adjustment. This would include any other revenues or costs approved to be included in this rider that are not part of the F/S calculation as described above.

Adjustment factors to be applied to the following billing cycle month:

~~October 2016 through March 2017 ——— (\$0.000941)/kWh~~
~~April 2017 through September 2017 ——— (\$0.003050)/kWh~~

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ORIGINAL SHEET NO. 38

CLEAN COAL TECHNOLOGY RIDER (CCTR)

~~In addition to the rates and charges set forth in the above mentioned rates, a The Clean Coal Technology Rider (CCTR) allows the Company to recover the costs associated with mandated environmental controls utilized at the Rockport Plant, applicable until superseded by a subsequent factor, shall be applied in accordance with the following provisions:~~

~~The CCTR adjustment per kilowatt-hour (kWh) shall be calculated by multiplying the kWh billed by an adjustment factor established according to the following formula:~~

~~$$CCTR = \frac{RR}{S} \text{ (For each rate class)}$$~~

~~S~~

~~where:~~

~~RR is the revenue requirement calculated as follows:~~

- ~~(a) The pre-tax return on CCTR investment; plus~~
- ~~(b) Depreciation expense on in-service CCTR property; plus~~
- ~~(c) Operation & maintenance expenses on CCTR property; plus~~
- ~~(d) Costs for consumables and chemical agents; plus~~
- ~~(e) Associated property taxes; and~~

~~S is the estimate of kWh sales for the same estimated period set forth in RR.~~

~~The All customer bills subject to the provisions of this rider shall be adjusted by the CCTR adjustment factor per billing kWh and kW or kVA as follows: to be effective for all bills for electric service will be:~~

Tariff Class	¢/kWh	\$ per kW or \$ per kVA
RS, RS-TOD, RS-TOD2 and RS-OPES/ <u>PEV</u>	0.0 <u>000503</u>	--
GS, GS-TOD and GS-TOD2	0.0 <u>000378</u>	--
LGS and LGS-TOD	0.0 <u>000358</u>	<u>0.000</u>
<u>LGS-LM-TOD</u>	<u>0.0000</u>	--
IP, CS-IRP and CS-IRP2	0.0 <u>000285</u>	<u>0.000</u>
MS	0.0 <u>000427</u>	--
WSS	0.0 <u>000286</u>	--
IS	0.0 <u>000213</u>	--
EHG	0.0 <u>000590</u>	--
OL	0.0 <u>000165</u>	--
SLS, ECLS, SLC, SLCM AND FW-SL	0.0 <u>000149</u>	--

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DEMAND-SIDE MANAGEMENT / ENERGY EFFICIENCY PROGRAM COST RIDER

Demand-side Management / Energy Efficiency Program Cost Rider (DSM/EE) surcharge allows the Company to recover costs associated with the Company's DSM/EE Program costs approved by the Commission. All customer bills subject to the provisions of this rider, including any bills rendered under special contract, shall be adjusted by the Demand-Side Management/Energy Efficiency Program Cost Rider adjustment factor per Billing Month kWh as follows:

<u>2018</u>	Non-Opt Out Customers Group N	Opt Out Customers			Opt In
		July 1, 2014 Group A	January 1, 2015 Group B	January 1, 2016 Group D	January 1, 2016 Group E
Tariff Class	¢/kWh	¢/kWh	¢/kWh	¢/kWh	¢/kWh
RS, RS-TOD, RS-TOD2 and RS-OPES/PEV	0.30135308	N/A	N/A	N/A	N/A
GS (Excluding Unmetered), GS-TOD, and GS-TOD2, IS and EHG	0.43251.3904	0.00010386	0.00041610	0.0000408	2.94940.8614
LGS, and LGS-TOD, MS, WSS and SL	0.03030739	0.000	0.0000222	0.000	0.000
IP, CS-IRP2	0.00110055	0.00003	0.000040	0.000	0.00050013
MS	-0.6776	0.00	-0.6276	0.00	0.00
WSS	-0.2546	-0.0112	-0.0051	0.00	0.00
IS	-3.4311	0.00	0.00	0.00	0.00
EHG	-1.4677	0.00	0.00	0.00	0.00

<u>2019</u>	Non-Opt Out Customers Group N	Opt Out Customers			Opt In
		July 1, 2014 Group A	January 1, 2015 Group B	January 1, 2016 Group D	January 1, 2016 Group E
Tariff Class	¢/kWh	¢/kWh	¢/kWh	¢/kWh	¢/kWh
RS, RS-TOD, RS-TOD2 and RS-OPES/PEV	0.4211	N/A	N/A	N/A	N/A
GS (Excluding Unmetered), GS-TOD, GS-TOD2, IS and EHG	0.5913	0.0006	0.0030	0.0002	4.0254
LGS, LGS-TOD, MS, WSS and SL	0.0414	0.0002	0.0001	0.000	0.000
IP, CS-IRP2	0.0015	0.0000	0.0000	0.000	0.0006

~~The Demand-Side Management/Energy Efficiency (DSM/EE) Program Cost Rider adjustment factor shall be determined as follows:~~

$$\text{Adjustment Factor} = \frac{\text{DSM}_p \times \text{Cust}_{\text{Class}}}{\text{Sum of } \frac{\text{DSM}_p \times \text{Cust}_{\text{Class}}}{\text{Cust}_p \times \text{BE}_{\text{Class}}} \text{ for all Programs (P)}}$$

Where:

1. "DSM_p" is the estimated annual DSM/EE costs for the current year for each DSM/EE program (P). DSM/EE costs shall include program costs, and subject to Commission approval,

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DEMAND-SIDE MANAGEMENT / ENERGY EFFICIENCY PROGRAM COST RIDER

~~net lost revenues and shared savings.~~

~~2. "Cust_{Class}" is the estimated annual number of customers in the tariff class eligible for DSM/EE program (P) for the current year.~~

~~3. "Cust_P" is the sum of the Cust_{Class} for all tariff classes eligible for DSM/EE program (P).~~

~~4. "BE_{Class}" is the estimated annual retail jurisdictional billing kWh for each metered tariff class for the current year.~~

(Cont'd on Sheet No. 39.1)

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(Cont'd from Sheet No. 39)

~~The adjustment factor as computed above shall be further modified to allow the recovery of gross receipts taxes and other similar revenue based tax charges occasioned by the DSM/EE cost adjustment revenues.~~

~~The DSM/EE cost adjustment factor shall be further modified to reflect the difference between incremental DSM/EE costs billed and incremental DSM/EE costs actually experienced during the latest twelve calendar months for which actual DSM/EE costs were available at the time of the filing of the application for a change in the DSM/EE cost adjustment factor.~~

~~The adjustment factor as calculated above will be applied to all billing kilowatt-hours for those metered tariff classes listed above.~~

~~The adjustment factor as calculated above shall be further adjusted to reflect Qualifying Customer opt-outs and opt-ins as specified below.~~

OPT-OUT OPTION FOR QUALIFYING COMMERCIAL AND INDUSTRIAL CUSTOMERS

A. Definitions

The following definitions are applicable to the opt-out provisions of Demand-Side Management/Energy Efficiency Program Cost Rider only:

Single Site: A Single Site shall be defined as contiguous property unless aggregation of multiple delivery points is specifically permitted under the applicable approved Rate Schedule as of April 1, 2014.

Qualifying Customer: A ~~C~~customer that receives electric service under an approved Rate Schedule at a Single Site constituting more than one megawatt of electric capacity.

Qualifying Load: A Single Site with at least one meter constituting more than one megawatt of electric capacity for any one billing period within the previous 12 months prior to the Qualifying Customer's opt out notification to the Company. Such demand shall be measured with a demand meter.

Energy Efficiency Program: Commission approved energy efficiency program applicable to the approved Rate Schedule of a Qualifying Customer.

Energy Efficiency Program Costs: Costs recovered under this Rider, including program costs, net lost revenues and incentives, and reconciliation of applicable costs as approved by the Commission.

(Cont'd on Sheet No. 39.2)

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(Cont'd from Sheet No. 39.1)

B. Opt Out Option for Qualifying Customers

A Qualifying Customer may elect to opt out of participation in the Company's Energy Efficiency Program for Qualifying Load. If a ~~C~~customer has a Single Site with Qualifying Load, it may opt out all accounts receiving service at that Single Site. Such accounts will be opted out provided the ~~C~~customer identifies the accounts in the ~~C~~customer's notice to the company of its election to opt out. Once a ~~C~~customer is determined to be a Qualifying Customer, the Company will not revoke the Qualifying Customer's qualification at a later date. For customers that are billed on a MVA and not on MW basis, I&M will use 1MVA as an equivalent for 1 MW to determine if the status of a Qualifying Customer.

New ~~C~~customers that do not sign a demand contract will need to have and demonstrate Qualifying Load in order to qualify consistent with the Notification and Effective Date provisions below. New ~~C~~customers signing a demand contract with Qualifying Load may complete the form to opt out of the program immediately. New ~~C~~customers who qualify (Group C) will initially be billed at a DSM/EE adjustment factor of 0.0000¢ per kWh, subject to modification in future proceedings.

C. Notification and Effective Date

A customer seeking to opt out of the Company's Energy Efficiency Program shall provide written notice of its desire to opt out to the Company. If not done at the initial notice of opt out, the customer shall fill out the appropriate form as requested by the Company to complete the registration of the accounts subject to the opt out request, the notice date of the customer's opt out will be the date of its initial notice. A Qualifying Customer that notifies the Company on or before June 1, 2014 of its decision to opt out of participation in the Company's Energy Efficiency Program will be exempted from the Energy Efficiency Program effective the first billing date in July 2014. A Qualifying Customer that notifies the Company of its decision to opt out of participation in the Company's Energy Efficiency Program after June 1, 2014 but on or before November 15, 2014 of its intention to opt out of participation in the Energy Efficiency Program shall have an opt out effective date of January 1, 2015. Thereafter, a Qualifying Customer must provide notice to the Company of its intention to opt out of participation in the Company's Energy Efficiency Program by November 15 to opt out effective January 1 of the following calendar year. A customer does not need to opt out each year. All Qualifying Customers providing notice under this section shall be subject to the recovery of Energy Efficiency Program Costs as described below.

D. Energy Efficiency Program Costs

Qualifying Customers remain liable for Energy Efficiency Program Costs that accrued or were incurred, or relate to energy efficiency investments made before the date on which the opt out is effective, regardless of the date on which such costs are included in the Energy Efficiency Program for recovery. Such costs may include costs related to evaluation, measurement and verification ("EM&V") required to be conducted after a Qualifying Customer opts out on projects completed under an Energy Efficiency Program while the Qualifying Customer was a participant. In addition, such costs may include costs required by contracts executed prior to April 1, 2014 but incurred after the date of the Qualifying Customer's opt out. However, these costs shall be limited to fixed, administrative costs, including costs related to EM&V. A Qualifying Customer shall not be responsible for any program costs such as the payment of energy efficiency rebates or incentives, incurred following the effective date of its opt out, with exception of incentives or rebates that are paid on applications that have not closed out at the effective date of its opt out.

(Cont'd on Sheet No. 39.3)

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DEMAND-SIDE MANAGEMENT / ENERGY EFFICIENCY PROGRAM COST RIDER

(Cont'd from Sheet No. 39.2)

E. Opt Out DSM/EE Factor

A separate Opt Out Energy Efficiency Program Factor will be calculated and made applicable to Qualifying Customers electing to opt out of participation in the Company's Energy Efficiency Program. The Opt Out Factor will be calculated to recover only applicable Energy Efficiency Program Costs. Any over- or under-recovery of costs for the time period during which the Qualifying Customer was participating in Energy Efficiency Programs shall be captured by the reconciliation and recovered or refunded to the Qualifying Customer through the reconciliation factor of the Opt Out Factor. Specifically,

- (1) For the period of January 1, 2015 through December 31, 2015, a Qualifying Customer that opts out of participation effective July 1, 2014 will pay:
 - (a) Program Reconciliation costs including Shared Savings (if applicable) for January 2013 through June 2014;
 - (b) Lost Revenue Projections for July 2014 through December 2015 (which include all lost revenues to be collected during the period) for measures installed while the Qualifying Customer was participating in the Energy Efficiency Program;
 - (c) Lost Revenue Reconciliation from January 2013 through June 2014;

In 2016, and the years after, the factor will be updated for any remaining EM&V costs and to reconcile and forecast any remaining net lost revenues.

- (2) For the period of January 1, 2015 through December 31, 2015, a Qualifying Customer that opts out of participation effective January 1, 2015 will pay:
 - (a) Program Reconciliation costs including Shared Savings (if applicable) for January 2013 through December 2014;
 - (b) Program Costs Forecast including Shared Savings (if applicable) for July –December 2014;
 - (c) Lost Revenue Projections for July 2014 through December 2015 (which include all lost revenues to be collected during the period) for measures installed while the Qualifying Customer was participating in the Energy Efficiency Program;
 - (d) Lost Revenue Reconciliation from January 2013 through June 2014;

In 2016, and the years after, the factor will be updated for any remaining EM&V costs and to reconcile and forecast any remaining Net Lost Revenues.

- (3) A Qualifying Customer that opts out of participation effective January 1 of any subsequent year (beyond 2015) will pay:
 - (a) Outstanding Program Reconciliation costs including Shared Savings (if applicable);
 - (b) Program Costs Forecast including Shared Savings (if applicable) for the prior July – December period;
 - (c) Lost Revenue Projections for the July of the opting out year through December of the following year (which include all lost revenues to be collected during the period) for measures installed while the Qualifying Customer was participating in the Energy Efficiency Program;
 - (d) Lost Revenue Reconciliation from January of the calendar year prior to opting out through June of the effective opt out year.

(Cont'd on Sheet No. 39.4)

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

DEMAND-SIDE MANAGEMENT / ENERGY EFFICIENCY PROGRAM COST RIDER

(Cont'd from Sheet No. 39.3)

In subsequent years beyond the effective opt out year, and the years after, the factor will be updated for any remaining EM&V costs and to reconcile and forecast any remaining Net Lost Revenues.

If the Company makes subsequent changes to the allocation of Energy Efficiency Program Costs, Qualifying Customers that opted out of participation will continue to pay those costs based on the allocation in effect at the time of the notice of opt out. Any reconciliation of Energy Efficiency Program Costs will likewise be allocated in the same manner in effect at the time of the Qualifying Customer's notice of opt out.

F. Opt-In

A Qualifying Customer may opt back in to participation in the Company's Energy Efficiency Program by providing notice by November 15 of the year prior to its requested opt in date. If not done at the initial notice to opt-in, the customer shall fill out the appropriate form as requested by the Company to complete the registration of the accounts subject to the opt-in request. The opt in shall be effective January 1 of the year following the notice. If a Qualifying Customer opts back in to participation in the Company's Energy Efficiency Program, such Qualifying Customer must be requalified to opt out again. If a Qualifying Customer opts back in to participation in the Company's Energy Efficiency Program, that Qualifying Customer must participate in the associated Energy Efficiency Program for at least three years, and may only opt out effective January 1 of the year following the third year of participation. A Qualifying Customer may elect to opt out again before the end of the three year period, but, in such event, remains liable for, and must continue to pay the Demand-Side Management/Energy Efficiency Program Cost Rider as if it were still participating in the Company's Energy Efficiency Program for the remainder of the three year period. If a Qualifying Customer elects to opt back out after the three year period, that Qualifying Customer shall be responsible for Demand-Side Management/Energy Efficiency Program Costs in the same manner as other customers who have opted out consistent with the provisions contained herein.

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

ENVIRONMENTAL COMPLIANCE COST RIDER

All customer bills subject to the provisions of this rider, including any bills rendered under special contract, shall be adjusted by the Environmental Compliance Cost Rider adjustment factor of 0.0001¢ per kWh.

The Environmental Compliance Cost adjustment factor shall be determined as follows:

$$\text{Adjustment Factor} = \frac{\text{ECC}}{\text{BE}_{\text{Total}}}$$

Where:

- 1. "ECC" is Indiana retail customer's share of jurisdictional environmental compliance cost in excess of the levels included in base rates in Cause No. 44075.
- 2. "BE_{Total}" is the estimated annual retail jurisdictional billing kWh for all tariff classes for the current year.

The adjustment factor as computed above shall be further modified to allow the recovery of utility receipts taxes and other similar revenue based tax charges occasioned by the environmental compliance cost adjustment revenues.

The environmental compliance cost adjustment factor shall be further modified to reflect the difference between incremental environmental compliance costs billed and incremental environmental compliance costs actually experienced during the latest twelve calendar months for which actual environmental compliance costs were available at the time of the filing of the application for a change in the environmental compliance cost adjustment factor.

The adjustment factor as calculated above will be applied to all billing kilowatt-hours for all tariff classes subject to the provisions of this rider.

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TOBY L. THOMAS	ON AND AFTER
PRESIDENT	
FORT WAYNE, INDIANA	ISSUED UNDER AUTHORITY OF THE
	INDIANA UTILITY REGULATORY COMMISSION
	DATED
	IN CAUSE NO.

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

ORIGINAL SHEET NO. 40

ENVIRONMENTAL COST RIDER (ECR)

The Environmental Cost Rider (ECR) surcharge allows the Company to recover costs associated with investments in clean coal technology projects including consumable products and state and federal emission allowances approved by the Commission. All customer bills subject to the provisions of this rider shall be adjusted by the ECR per billing kWh and kW or kVA as follows:

Tariff Class	¢/kWh	\$/kW or \$/kVA
RS, RS-TOD, RS-TOD2 and RS-OPES/PEV	<u>0.1397</u>	--
GS, GS-TOD and GS-TOD2	<u>0.1397</u>	--
LGS and LGS-TOD	<u>0.1397</u>	<u>0.000</u>
<u>LGS-LM-TOD</u>	<u>0.1397</u>	--
IP and CS-IRP2	<u>0.1397</u>	<u>0.000</u>
MS	<u>0.1397</u>	--
WSS	<u>0.1397</u>	--
IS	<u>0.1397</u>	--
EHG	<u>0.1397</u>	--
OL	<u>0.1397</u>	--
SLS, ECLS, SLC, SLCM AND FW-SL	<u>0.1397</u>	--

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

**INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

OFF-SYSTEM SALES MARGIN SHARING RIDER

All customer bills subject to the provisions of this rider, including any bills rendered under special contract, shall be adjusted by the Off-System Sales Margin Sharing Rider adjustment factor per kWh as follows:

Tariff Class	¢/kWh
RS, RS-TOD, RS-TOD2 and RS-OPES	0.2383
GS, GS-TOD and GS-TOD2	0.1948
LGS and LGS-TOD	0.1737
IP and CS-IRP2	0.1520
MS	0.1875
WSS	0.1432
IS	0.1717
EHG	0.2194
OL	0.0819
SLS, ECLS, SLC, SLCM and FW-SL	0.0749

The Off-System Sales Margin Sharing Rider adjustment factor shall be determined as follows:

$$\text{Adjustment Factor} = \frac{\text{OSS} \times \text{CP}_{\text{Class}}}{\text{BE}_{\text{Class}} \times \text{CP}_{\text{Total}}}$$

Where:

1. Indiana retail customers' share of jurisdictional off-system sales margins shall be 50% of Company's Indiana jurisdiction Off-System Sales Margin.

Indiana Jurisdictional Off System Sales Margin	Customer Share	Customer Share Results In
Less Than \$0	-\$13,450,000	Charge
Up to \$26,900,000	50% of (OSS Margin - \$26,900,000)	Charge
Over \$26,900,000	50% of (OSS Margin - \$26,900,000)	Credit

2. "OSS" is the estimated annual Indiana retail customers' share of jurisdictional off-system sales margins for the current year.

(Cont'd on Sheet No. 40.1)

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	DATED
	IN CAUSE NO.

INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

OFF-SYSTEM SALES MARGIN SHARING RIDER

(Cont'd from Sheet No. 40)

3. ~~"BE_{Class}" is the estimated annual retail jurisdictional billing kWh for each tariff class for the current year.~~

4. ~~"CP_{Class}" is the coincident peak demand for each tariff class estimated as follows:~~

Tariff Class	BE _{Class}	CP/kWh Ratio	CP _{Class}
(1)	(2)	(3)	(4)=(2)x(3)
RS, RS-TOD, RS-TOD2 and RS-OPES		0.0217031%	
GS, GS-TOD and GS-TOD2		0.0177478%	
LGS and LGS-TOD		0.0158245%	
IP, CS-IRP and CS-IRP2		0.0138377%	
MS		0.0170721%	
WSS		0.0130395%	
IS		0.0156199%	
EHG		0.0199788%	
OL		0.0074606%	
SLS, ECLS, SLC, SLCM, and FW-SL		0.0068205%	
			CP _{Total}

5. ~~"CP_{Total}" is the sum of the CP_{Class} for all tariff classes.~~

~~The adjustment factor as computed above shall be further modified to allow the recovery of utility receipts taxes and other similar revenue based tax charges occasioned by the off-system sales margin sharing adjustment revenues.~~

~~The off-system sales margin sharing adjustment factor shall be further modified to reflect the difference between incremental off-system sales margin sharing revenue credited and the incremental off-system sales margin sharing revenue actually experienced during the latest twelve calendar months for which actual off-system sales margin sharing revenues were available at the time of the filing of the application for a change in the off-system sales margin sharing adjustment factor.~~

~~The adjustment factor as calculated above will be applied to all billing kilowatt-hours for those tariff classes listed above.~~

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TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

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INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

OFF SYSTEM SALES MARGIN SHARING / PJM COST RIDER

This rider combines Off-System Sales Margin Sharing with PJM Costs (OSS / PJM Cost Rider). The OSS / PJM Cost Rider allows the Company to share wholesale margins with retail customers while recovering costs associated with mandated participation in a regional transmission organization. All customer bills subject to the provisions of this rider, ~~including any bills rendered under special contract~~, shall be adjusted by the OSS / PJM Cost Rider adjustment factor per billing kWh and kW or kVA as follows:

Tariff Class	¢/kWh	\$/kW or \$/kVA
RS, RS-TOD, RS-TOD2 and RS-OPES	<u>2.01400.8024</u>	--
GS, GS-TOD and GS-TOD2	<u>2.02260.6687</u>	--
LGS and LGS-TOD	<u>0.00700.6035</u>	<u>5.245</u>
LGS-LM-TOD	<u>1.52580.6035</u>	--
IP and CS-IRP2	<u>0.00700.0684</u>	<u>6.3942.124</u>
MS	<u>2.02900.6458</u>	--
WSS	<u>1.24810.5092</u>	--
IS	<u>2.62150.5974</u>	--
EHG	<u>2.11850.7442</u>	--
OL	<u>0.69750.3207</u>	--
SLS, ECLS, SLC, SLCM and FW-SL	<u>0.66640.2990</u>	--

The PJM Cost Rider adjustment factor shall be determined as follows:

$$\text{Adjustment Factor} = \frac{\text{PJMD} \times \text{CP}_{\text{Class}}}{\text{BE}_{\text{Class}} \times \text{CP}_{\text{Total}}} + \frac{\text{PJME}}{\text{BE}_{\text{Total}}} \quad \text{Or}$$

$$\frac{\text{PJMD} \times \text{CP}_{\text{Class}}}{\text{BD}_{\text{Class}} \times \text{CP}_{\text{Total}}} \quad \text{and} \quad \frac{\text{PJME}}{\text{BE}_{\text{Total}}}$$

- Where:
1. "PJMD" is the estimated annual PJM demand-related costs for the current year.
 2. "PJME" is the estimated annual PJM energy-related costs for the current year.
 3. "BE_{Class}" is the estimated annual retail jurisdictional billing kWh for each tariff class for the current year.
 4. "BD_{Class}" is the estimated annual retail jurisdictional billing kW or kVA for each tariff class for the current year.
 5. "CP_{Class}" is the coincident peak demand for each tariff class estimated as follows:
(Cont'd on Sheet No. 41.1)

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TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

I.U.R.C. NO. 16
 INDIANA MICHIGAN POWER COMPANY
 STATE OF INDIANA

PJM COST RIDER

Tariff Class	BE _{Class}	CP/kWh Ratio	CP _{Class}
(1)	(2)	(3)	(4)=(2)x(3)
RS, RS-TOD, RS-TOD2 and RS-OPES		0.0217031%	
GS, GS-TOD and GS-TOD2		0.0177478%	
LGS and LGS-TOD		0.0158215%	
IP, CS-IRP and CS-IRP2		0.0138377%	
MS		0.0170721%	
WSS		0.0130395%	
IS		0.0156199%	
EHG		0.0199788%	
OL		0.0074606%	
SLS, ECLS, SLC, SLCM and FW-SL		0.0068205%	
	BE _{Total}		CP _{Total}

6. "BE_{Total}" is the sum of the BE_{Class} for all tariff classes.

7. "CP_{Total}" is the sum of the CP_{Class} for all tariff classes.

— The adjustment factor as computed above shall be further modified to allow the recovery of utility receipts taxes and other similar revenue based tax charges occasioned by the PJM cost adjustment revenues.

— The PJM cost adjustment factor shall be further modified to reflect the difference between incremental PJM cost billed and incremental PJM cost actually experienced during the latest twelve calendar months for which actual PJM costs were available at the time of the filing of the application for a change in the PJM cost adjustment factor.

— The adjustment factor as calculated above will be applied to all billing kilowatt-hours for those tariff classes listed above.

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TOBY L. THOMAS	ON AND AFTER
PRESIDENT	
FORT WAYNE, INDIANA	ISSUED UNDER AUTHORITY OF THE
	INDIANA UTILITY REGULATORY COMMISSION
	DATED
	IN CAUSE NO.

Life Cycle Management Rider (LCMR)

~~In addition to the rates and charges set forth in the above mentioned rates, a Life Cycle Management Rider (LCMR), applicable until superseded by a subsequent factor, shall be applied in accordance with the following provisions:~~

~~The Life Cycle Management Rider (LCMR) allows the Company to recover costs associated with the D.C. Cook Nuclear Plant so that it can continue to operate reliably through the plant's current operating license. All customer bills subject to the provisions of this rider shall be adjusted by the LCMR per kWh charges as follows: The LCMR adjustment per kilowatt-hour (kWh) shall be calculated by multiplying the kWh billed by an adjustment factor established according to the following formula:~~

~~$$\text{LCMR} = \frac{\text{RR}}{\text{S}}$$
 (For each rate class)~~

~~where:~~

~~RR is the revenue requirement calculated as follows:~~

- ~~(a) The revenue requirement for LCMR investment; plus~~
 - ~~(b) Incremental depreciation expense on in-service LCMR property; plus~~
 - ~~(c) Incremental property Taxes on LCMR property; and~~
- ~~S is the estimate of kWh sales for the same estimated period set forth in RR.~~

~~The adjustment factor to be effective for all bills for electric service rendered beginning with the first billing cycle of July, 2017, will be:~~

Tariff Class	¢/kWh	\$/kW or \$/kVA
RS, RS-TOD, RS-TOD2 and RS-OPES/PEV	0.04206410	--
GS GS-TOD and GS-TOD2	0.04216717	--
LGS and LGS-TOD	0.002905	0.110
LGS-LM-TOD	0.0318	--
IP and CS-IRP2	0.003345	0.128
MS	0.04235808	--
WSS	0.02593627	--
IS	0.05472665	--
EHG	0.04429092	--
OL	0.01442048	--
SLS, ECLS, SLC, SLCM AND FW-SL	0.01381818	--

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

FEDERAL MANDATE RIDER (FMR)

The Federal Mandate Rider (FMR) allows the Company to recover costs associated with federally mandated projects approved by the Commission. In addition to the rates and charges set forth in the above mentioned rates, All customers bills subject to the provisions of this rider shall be adjusted by the FMR per billing kWh and kW or kVA charges as follows: a Federal Mandate Rider (FMR), applicable until superseded by a subsequent factor, shall be applied in accordance with the following provisions:

The FMR adjustment per kilowatt-hour (kWh) shall be calculated by multiplying the kWh billed by an adjustment factor established according to the following formula:

$$S \text{ FMR} = \frac{RR}{S} \text{ (For each rate class)}$$

S

where:

RR is the revenue requirement calculated as follows:

- (a) The revenue requirement for FMR investment; plus
 - (b) Depreciation expense on in-service FMR property; plus
 - (c) Property tax; plus
 - (d) Incremental operation & maintenance expenses on FMR property; plus
 - (e) Costs for incremental consumables and chemical agents; and
- S is the estimate of kWh sales for the same estimated period set forth in RR.

The adjustment factor to be effective for all bills for electric service rendered beginning with the first billing cycle of October 2016 will be:

Tariff Class	¢/kWh	\$/kW or \$/kVA
RS, RS-TOD, RS-TOD2 and RS-OPES/PEV	0.00000.1600	--
GS, GS-TOD and GS-TOD2	0.00000.1572	--
LGS and LGS-TOD	0.00000.0956	0.000
LGS-LM-TOD	0.0000	--
IP and CS-IRP2	0.00000.1003	0.000
MS	0.00000.1537	--
WSS	0.00000.1064	--
IS	0.00000.1143	--
EHG	0.00000.2334	--
OL	0.00000.0776	--
SLS, ECLS, SLC, SLCM AND FW-SL	0.00000.0742	--

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

I.U.R.C. NO. 16
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

ORIGINAL SHEET NO. 44

DEPRECIATION CREDIT (DC)

All customer bills subject to the provisions of this credit shall be adjusted by the Depreciation Credit adjustment factor per kWh as follows:

Tariff Class	¢/kWh
RS, RS-TOD, RS-TOD2 and RS-OPES	-0.1242
GS, GS-TOD and GS-TOD2	-0.1015
LGS and LGS-TOD	-0.0905
IP and CS-IRP2	-0.0792
MS	-0.0977
WSS	-0.0746
IS	-0.0894
EHG	-0.1143
OL	-0.0427
SLS, ECLS, SLC, SLCM AND FW-SL	-0.0390

ISSUED BY
PAUL CHODAK III
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER JUNE 1, 2015

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED MAY 20, 2015
IN CAUSE NO. 44555

SOLAR POWER RIDER (SPR)

~~The Solar Power Rider (SPR) allows the Company to recover costs associated with investments in Solar Power. In addition to the rates and charges set forth in the above mentioned rates, All customer bills subject to the provisions of this rider shall be adjusted by the a Solar Power Rider (SPR) per billing kWh and kW or kVA charges as follows; applicable until superseded by a subsequent factor, shall be applied in accordance with the following provisions:~~

~~The SPR adjustment per kilowatt hour (kWh) shall be calculated by multiplying the kWh billed by an adjustment factor established according to the following formula:~~

~~$$SPR = \frac{RR}{S} \text{ (For each rate class)}$$~~

~~S~~

where:

~~RR is the revenue requirement calculated as follows:~~

- ~~(a) The revenue requirement for SPR investment; plus~~
- ~~(b) Depreciation expense on in-service SPR property; plus~~
- ~~(c) Operation & maintenance expenses on SPR property; plus~~
- ~~(d) ITC Amortization Credit; plus~~
- ~~(e) Associated Taxes including Property Tax; plus~~
- ~~(f) Gross Revenue Conversion Factor; plus~~
- ~~(g) Green Power Rider Credit; plus~~
- ~~(h) Marketing Expense~~

~~S is the estimate of kWh sales for the same estimated period set forth in RR.~~

~~The adjustment factor to be effective for all bills for electric service rendered will be:~~

Tariff Class	¢/kWh	\$/kW or \$/kVA
RS, RS-TOD, RS-TOD2 and RS-OPES/PEV	0.0000-0275	--
GS, GS-TOD and GS-TOD2	0.0000-0207	--
LGS and LGS-TOD	0.0000-0196	0.000
LGS-LM-TOD	0.0000	--
IP and CS-IRP2	0.0000-0156	0.000
MS	0.0000-0234	--
WSS	0.0000-0157	--
IS	0.0000-0117	--
EHG	0.0000-0323	--
OL	0.0000-0094	--
SLS, ECLS, SLC, SLCM AND FW-SL	0.0000-0082	--

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.

**I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA**

ORIGINAL SHEET NO. 45

RESOURCE ADEQUACY RIDER (RAR)

The Resource Adequacy Rider (RAR) allows the Company to recover costs associated with incremental changes in the Company's purchased power capacity costs. This rider also allows customers to benefit from sales of capacity that may occur in the future. All customer bills subject to the provisions of this rider shall be adjusted by the (RAR) per billing kWh and kW or kVA charges as follows:

Tariff Class	¢/kWh	\$/kW or \$/kVA
RS, RS-TOD, RS-TOD2 and RS-OPES/PEV	0.0000	--
GS, GS-TOD and GS-TOD2	0.0000	--
LGS and LGS-TOD	0.0000	0.000
LGS-LM-TOD	0.0000	--
IP and CS-IRP2	0.0000	0.000
MS	0.0000	--
WSS	0.0000	--
IS	0.0000	--
EHG	0.0000	--
OL	0.0000	--
SLS, ECLS, SLC, SLCM and FW-SL	0.0000	--

**ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER**

**ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.**

I.U.R.C. NO. 17
INDIANA MICHIGAN POWER COMPANY
STATE OF INDIANA

PHASE-IN RATE ADJUSTMENT (PRA)

The Phase-In Rate Adjustment (PRA) allows the Company to phase-in base rate adjustments that appropriately align base rate expenses, as they occur, and as approved by the Commission. All customer bills subject to the provisions of this rider shall be adjusted by the PRA adjustment factor per billing kWh and kW or kVA as follows:

Phase 1 Rates		
Tariff Class	¢/kWh	\$/kW or \$/kVA
RS, RS-TOD, RS-TOD2 and RS-OPES/PEV	-0.2725	--
GS, GS-TOD and GS-TOD2	-0.2321	--
LGS and LGS-TOD	-0.0003	-0.502
LGS-LM-TOD	-0.1486	--
IP and CS-IRP2	-0.0003	-0.316
MS	-0.1954	--
WSS	-0.1063	--
IS	-0.7434	--
EHG	-0.2477	--
OL	-0.8638	--
SLS, ECLS, SLC, SLCM and FW-SL	-0.4259	--

ISSUED BY
TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR ELECTRIC SERVICE RENDERED
ON AND AFTER

ISSUED UNDER AUTHORITY OF THE
INDIANA UTILITY REGULATORY COMMISSION
DATED
IN CAUSE NO.