

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

* * * * *

In the matter of the application of)	
INDIANA MICHIGAN POWER COMPANY)	
for authority to increase its rates for the sale of)	Case No. U-20359
electric energy and for approval of depreciation)	
accrual rates and other related matters.)	
_____)	

At the January 23, 2020 meeting of the Michigan Public Service Commission in Lansing,
Michigan.

PRESENT: Hon. Sally A. Talberg, Chairman
 Hon. Daniel C. Scripps, Commissioner
 Hon. Tremaine L. Phillips, Commissioner

ORDER APPROVING SETTLEMENT AGREEMENT

On June 24, 2019, Indiana Michigan Power Company (I&M) filed an application seeking authority to increase its rates for the sale of electric energy and requesting other regulatory approvals. In its application, I&M projected a \$58.5 million jurisdictional revenue deficiency based on a calendar 2020 test year.

A prehearing conference was held before Administrative Law Judge Dennis W. Mack (ALJ) on July 23, 2019, at which he granted petitions to intervene filed by the Michigan Department of Attorney General; the Association of Businesses Advocating Tariff Equity; Citizens Against Rate Excess; Energy Michigan, Inc.; the Environmental Law & Policy Center, the Ecology Center, the Solar Energy Industries Association, and Vote Solar; International Brotherhood of Electrical

Workers Local 1392 (IBEW); Wabash Valley Power Association; and Sierra Club. I&M and the Commission Staff (Staff) participated in the proceeding.

On August 5, 2019, the ALJ granted Great Lakes Renewable Energy Association's (GLREA's) petition to intervene but limited its participation to issues pertaining solely to renewable energy. At the same hearing, the ALJ denied the Residential Customer Group's (RCG's) petition for intervention, finding that it did not meet the criteria for intervention by right or permissive intervention. On August 6, 2019, IBEW filed a notice of voluntary withdrawal of its petition to intervene. On August 8 and 12, 2019, the City of Auburn, Indiana (Auburn), filed a petition to intervene and an amended petition to intervene, respectively. On August 15, 2019, the ALJ granted Auburn's petition to intervene and acknowledged IBEW's voluntary withdrawal.

On August 19, 2019, GLREA filed an amended petition to intervene, requesting permission to participate in all legal and factual issues relating to I&M's application, and RCG filed an amended petition to intervene. On that same date, GLREA and RCG filed interlocutory appeals requesting that the Commission reverse the ALJ's rulings and grant GLREA and RCG full intervention. I&M filed a consolidated response on September 3, 2019, opposing GLREA's and RCG's applications for leave to appeal the ALJ's August 5, 2019 rulings. On September 9, 2019, GLREA and RCG replied to I&M's response. The Commission issued an order on September 26, 2019, granting GLREA's and RCG's applications for leave to appeal, denying the requested relief, and affirming the ALJ's rulings.

On October 9 and 10, 2019, RCG and GLREA filed supplemental motions and petitions for full intervention, respectively. The ALJ granted RCG's supplemental motion and petition for full intervention on October 11, 2019. On October 17, 2019, I&M filed objections to GLREA's supplemental motion and petition for full intervention. At a hearing on October 31, 2019, the ALJ

accepted GLREA's petition as a late petition to intervene but denied the supplemental motion for full intervention.

Evidentiary hearings were held on November 20, 21, 25, and 26, 2019. Briefing took place thereafter. The record in this case consists of 2,761 pages of transcript and 281 exhibits admitted into evidence.

On January 8, 2020, the parties filed an executed settlement agreement resolving all issues in the case. According to the terms of the settlement agreement, attached as Attachment 1, the parties agree that I&M's retail electric rates should be increased by \$36.4 million annually based on a 2020 test year, with an authorized rate of return on common equity of 9.86%, which results in a calculated rate of return of 6.08%. The authorized overall rate of return is based on an annual average permanent capital common equity ratio of 46.56%. The rate increase will be effective on February 1, 2020. I&M agrees that it will not file a new electric general rate case before January 1, 2022, nor will it seek an effective date for new rates that is prior to January 1, 2023.

The parties agree that I&M's depreciation rates will be those proposed by I&M, except that meter depreciation rates (Federal Energy Regulatory Commission Account 370) will be set at 11.01%. I&M will file depreciation studies and proposed revisions to its depreciation rates in stand-alone depreciation filings at least four months prior to any general rate case application filed on or before January 2026. I&M further agrees not to file a request for a full and complete review of the depreciation rates approved and made effective in this case until after January 2023, using year end plant balances for 2022 or the most recent year available. However, I&M may file a request for a review and revision of only the depreciation rates for generation assets four months prior to its next general rate case application.

The parties further agree that I&M's special charges will be adjusted as set forth in Exhibit 3 to the settlement agreement, but that there will be no changes to any existing customer service charges for any rate class. I&M agrees to withdraw without prejudice its residential local demand charge, residential declining block rate, voluntary residential and general service demand charge pilot, and EZ Bill proposals.

I&M agrees to present a benefit/cost study on the deployment of advanced metering infrastructure (AMI) in its next general rate case if I&M begins deployment of AMI in Michigan prior to, or proposes to deploy AMI as part of, its next general rate case. I&M also agrees not to defer for future recovery the implementation expenses incurred or the return on the AMI investment made between this rate case and the next if I&M begins deployment of AMI in Michigan prior to its next general rate case. The parties agree that the undepreciated balance associated with automatic meter reading retirements is approved to be fully recoverable according to the accounting and ratemaking treatment described by I&M in this general rate case.

The parties agree that I&M's capacity charge shall be based on the 2020/2021 PJM Interconnection LLC net cost of new entry value of \$280.52 per megawatt-day.

The parties also agree that the IM Plugged-In pilot program term will be limited to the earlier of four and a half years from the date of the Commission order in this proceeding or the effective date of the order in I&M's next base rate case filing and will have an aggregate spending cap of \$675,000 over the respective period.

The parties agree that \$1,922,843 will be reflected in base rates for major storm costs. In its next general rate case, I&M will propose that major storm expense be based on a five-year average.

The parties also agree that I&M will promptly notify the Commission, the Staff, and intervenors in this case if it decides to extend the lease of Rockport Unit 2 beyond the current termination date. If I&M extends the lease, it will substantiate the decision and present it for review by interested parties in a proceeding before the Commission to be commenced no later than September 30, 2022.

In addition, the parties agree that I&M will supplement its 2020 power supply cost recovery (PSCR) plan case to provide additional details regarding the cost of I&M's participation in the Amended and Restated Inter-Company Agreement relating to the Ohio Valley Electric Corporation. The parties further agree that approval of the PSCR basing point in this proceeding will not prejudice, or be used against, any position any party may take in I&M's 2020 PSCR plan case.

The parties agree that I&M's Distributed Generation (DG) tariff will compensate DG customers for outflow based on I&M's power supply costs, including transmission (i.e., the capacity and non-capacity power supply charges approved in the applicable tariff). I&M may propose to change the DG tariff in its direct case in its next general rate case and any party may take any position regarding I&M's proposed DG tariff in that case.

The Commission has reviewed the settlement agreement and finds that the public interest is adequately represented by the parties who entered into the settlement agreement. The Commission further finds that the settlement agreement is in the public interest, represents a fair and reasonable resolution of the proceedings, and should be approved.

THEREFORE, IT IS ORDERED that:

A. The settlement agreement, attached as Attachment 1, is approved.

B. Beginning February 1, 2020, Indiana Michigan Power Company shall implement tariffs consistent with the settlement agreement, which are substantially contained in Exhibit 4 to the settlement agreement.

C. Within 30 days of the date of this order, Indiana Michigan Power Company shall file tariff sheets substantially similar to those set forth in Exhibit 4 to the settlement agreement.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26. To comply with the Michigan Rules of Court's requirement to notify the Commission of an appeal, appellants shall send required notices to both the Commission's Executive Secretary and to the Commission's Legal Counsel.

Electronic notification should be sent to the Executive Secretary at mpscdockets@michigan.gov and to the Michigan Department of Attorney General - Public Service Division at pungpl@michigan.gov. In lieu of electronic submissions, paper copies of such notifications may be sent to the Executive Secretary and the Attorney General – Public Service Division at 7109 W. Saginaw Hwy., Lansing, MI 48917.

MICHIGAN PUBLIC SERVICE COMMISSION

Sally A. Talberg, Chairman

Daniel C. Scripps, Commissioner

Tremaine L. Phillips, Commissioner

By its action of January 23, 2020.

Lisa Felice, Executive Secretary

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of)
INDIANA MICHIGAN POWER COMPANY) Case No. U-20359
for Authority to Increase Its Rates for the Sale of)
Electric Energy and for Approval of Depreciation)
Accrual Rates and Other Related Matters.)
_____)

SETTLEMENT AGREEMENT

Pursuant to Section 78 of the Administrative Procedures Act of 1969, as amended (1969 PA 306, § 78; MCL 24.278), and Rule 431 of the Michigan Public Service Commission’s (the “Commission”) Rules of the Practice and Procedure, R 792.10431, Indiana Michigan Power Company (“I&M” or the “Company”), the Michigan Public Service Commission Staff (“Staff”), Attorney General Dana Nessel (“AG”), the Association of Businesses Advocating Tariff Equity (“ABATE”), Citizens Against Rate Excess (“CARE”), Energy Michigan, Inc. (“Energy Michigan”), the Environmental Law & Policy Center, the Ecology Center, the Solar Energy Industries Association, and Vote Solar (“ELPC”), Sierra Club, the City of Auburn, Indiana (“Auburn”), Great Lakes Renewable Energy Association (“GLREA”), and the Residential Consumer Group (“RCG”) (collectively, the “Parties”) hereby stipulate and agree as follows:

1. I&M’s existing retail electric base rates and charges were established in Case No. U-18370 pursuant to the Commission’s April 12, 2018 Order, as amended on April 27, 2018. In addition, the Commission authorized I&M to implement various surcharges including a Power Supply Cost Recovery (“PSCR”) Clause and Factors, Rate Realignment Surcharge / Credit, Energy Optimization Surcharge Rider, Nuclear Decommissioning Surcharge, Renewable Energy Surcharge, Net Lost Revenue Tracker and Low-Income Energy Assistance Fund Surcharge.

I&M's existing depreciation rates for its electric plant-in-service were also established in Case No. U-18370

2. On June 24, 2019, I&M filed its Application in this case proposing, among other things, an increase in its retail electric rates of \$58.5 million. The Application was supported by filed testimony and exhibits from 26 witnesses.

3. On June 25, 2019, a Notice of Hearing was filed by the Commission, scheduling a prehearing conference on July 23, 2019 before Administrative Law Judge Dennis W. Mack ("ALJ"). I&M provided proof of mailing and publication of the Notice of Hearing consistent with the direction of the Commission's Executive Secretary.

4. A prehearing conference was held before the ALJ on July 23, 2019. Intervention was granted to the Attorney General, ABATE, CARE, Energy Michigan, ELPC, Wabash, and Sierra Club. On August 15, 2019, the ALJ granted a petition to intervene filed by Auburn. The ALJ granted limited permissive intervention to GLREA on August 5, 2019. The RCG was granted intervention in an October 11, 2019 ruling by the ALJ. The Michigan Public Service Commission Staff ("Staff") also participated in this case.

5. On October 27, 2019, the Staff and Intervenors filed their testimony and exhibits.

6. I&M filed rebuttal testimony on November 12, 2019. On the same day, Staff, ABATE, and the Attorney General filed rebuttal testimony.

7. An evidentiary hearing was held over four days—November 20, 21, 25, and 26, 2019—during which testimony was bound-in and cross-examination of witnesses took place.

8. The Parties filed Initial Briefs on December 20, 2019.

9. The Parties have engaged in settlement discussions, which have led to the agreements incorporated in this Settlement Agreement. This Settlement Agreement resolves the issues in this case.

10. In view of the foregoing, and pursuant to Section 78 of the APA, MCL 24.278, the below signatories hereby stipulate and agree as follows:

- a. As based on a 2020 test year, I&M's rates should be adjusted to provide an annual revenue increase of \$36.4 million, effective for service rendered beginning February 1, 2020. These rates are shown on Exhibit 4 to this Settlement Agreement, and I&M and Staff have determined these rates are consistent with the cost-based requirements of MCL 460.11(1). The factors used to develop the annual revenue increase are set forth in Exhibit 1 attached to this Settlement Agreement. The authorized rate on common equity is 9.86%, which results in a calculated rate of return of 6.08%. The authorized overall rate of return is based on an annual average permanent capital common equity ratio of 46.56%.
- b. I&M will not file a general rate case application prior to January 1, 2022, nor will it seek an effective date for new rates that is prior to January 1, 2023.
- c. If I&M begins deployment of AMI in Michigan prior to, or proposes to deploy AMI as part of, its next general rate case, I&M will present a cost/benefit study on the deployment of AMI in its direct case in its next general rate case. Any party may take any position regarding I&M's study in that proceeding. If I&M begins deployment of AMI in Michigan prior to its next general rate case, I&M will not defer for future recovery the implementation expenses incurred or the return on the AMI investment made between this rate case and the next. The undepreciated balance associated with AMR meter retirements is approved to be fully recoverable according to the accounting and ratemaking treatment described by I&M in this general rate case and will not be challenged by any party to this settlement in any future case. The monthly charge for opting out of an AMI meter will be set at \$9.75.
- d. Meter depreciation rates (FERC Account 370) will be set at 11.01%; all other rates will be set as proposed by the Company. I&M will file depreciation studies and proposed revisions to its depreciation rates in stand-alone depreciation filings at least four (4) months prior to any general rate case application filed on or before January 2026. Changes approved in standalone depreciation cases will take effect on the effective date of the revised customer rates approved in the next general rate case immediately following the depreciation filing. The depreciation rates are set forth in Exhibit 2 attached to this Settlement Agreement.
- e. I&M will not file a request for a full and complete review of the depreciation rates approved and made effective in this case until after January 2023, using year end

plant balances for 2022 or the most recent year available. Notwithstanding the moratorium on a request for a full and complete review of I&M's depreciation rates set out in the preceding sentence, I&M may file a request for a review and revision of only the depreciation rates for generation assets four (4) months prior to its next general rate case application.

- f. Protected excess deferred taxes will be included in I&M's working capital calculation.
- g. The annual provision for the decommissioning of the Cook Nuclear Plant will be \$1.5 million.
- h. Special charges will be adjusted as proposed by Staff and as set forth in Exhibit 3 attached to this Settlement Agreement.
- i. There will be no changes to any existing customer service charges for any rate class.
- j. I&M will withdraw without prejudice its residential local demand charge, residential declining block rate, voluntary residential and general service demand charge pilot, and EZ Bill proposals.
- k. The capacity charge is based on the 2020/2021 PJM Net CONE value of \$280.52 MW/day. I&M will provide in its next general rate case a calculation of the capacity charge based on PJM Net CONE. No party is prevented from presenting alternative capacity charge proposals in future cases.
- l. I&M's "*IM Plugged-In*" pilot program should be approved as follows:
 - o The program term will be limited to the earlier of four and a half years from the date of the Commission Order in this proceeding or the effective date of the Commission order in I&M's next base rate case filing;
 - o The program will have an aggregate spending cap of \$675,000 over the respective period;
 - o I&M will suspend Contribution in Aid of Construction for charging stations deployed pursuant to the *IM Plugged In* pilot program, subject to the aggregate spending cap;
 - o I&M will have the ability to move funds between program elements and program periods over the course of the program;
 - o The program will have rebate amounts up to those proposed by Staff for each program element, including: \$2,500 for workplace, multi-unit dwelling and fleet incentives; and \$20,000 for interstate corridor direct current fast charging.

- I&M will submit a progress report with MPSC regarding the *IM Plugged In* PEV program on a semi-annual basis;
 - I&M will include an examination of the use of a deferral and tracker mechanism for ongoing PEV rebate programs in its next base rate case filing if it proposes a rebate program.
 - I&M will amend its tariffs to state that the sale of electricity by a non-utility owner or operator of a publicly accessible electric vehicle charging station is not considered a sale for resale.
- m. The Net Lost Revenue Tracker (NLRT) will be approved the same as the Commission's approved NLRT in Case No. U-18370.
- n. Major storm costs reflected in base rates will be \$1,922,843. I&M will propose in its direct case in its next general rate case that major storm expense be based on a five-year average.
- o. I&M has sought leave of the Michigan Supreme Court to appeal the Commission's decision in Case No. U-18370. I&M agrees that regardless of the outcome of such appeal, the choice customer capacity charges in effect from the Commission's April 12, 2018 Order in that case through the effective date of this Settlement Agreement will not be altered, and I&M will take no action to seek to overturn the Commission's decision in Case No. U-18370 concerning the method to determine choice customer capacity charges as a result of the request to or decision from the Supreme Court. Subject to the terms of this Settlement Agreement, all parties reserve the right to prospectively advocate to the Commission for rate making treatment consistent with or different from the decision in Case No. U-18370 concerning choice capacity charges.
- p. I&M will promptly notify the Commission, the Staff and the Intervenors in this proceeding if it decides to extend the lease of Rockport Unit 2 beyond the current termination date. If I&M decides to extend the lease, it will substantiate the decision and present it for review by interested parties in a proceeding before the Commission to be commenced no later than September 30, 2022.
- q. I&M will supplement its 2020 Power Supply Cost Recovery (PSCR) Plan case to provide additional details regarding the cost of I&M's participation in the Amended and Restated Inter-Company Power Agreement. Approval of the PSCR basing point in this proceeding will not prejudice, or be used as a precedent against, any position any party may take in the 2020 PSCR Plan case.
- r. The Distributed Generation (DG) tariff will compensate DG customers for outflow based on I&M's power supply costs, including transmission (i.e. the Capacity and Non-Capacity Power Supply Charges approved in the applicable tariff). I&M may propose to change the DG tariff in its direct case in its next general rate case and any party may take any position regarding I&M's proposed DG tariff in the case.

The outflow credit for retail open access customers will be determined by the customer's Alternative Energy Supplier.

11. Exhibit 4 attached to this Settlement Agreement contains the tariff sheets and cost of service study revised in accordance with this Settlement Agreement.

12. It is the opinion of the signatories hereto that this Settlement Agreement will promote the public interest, will aid in the expeditious conclusion of this case, and will minimize the time and expense which would otherwise have to be devoted to this matter by the Commission and the parties. The below signatories, therefore, respectfully request that the Commission promptly issue an order accepting and approving this Settlement Agreement.

13. All settlement offers and discussions relating to this Settlement Agreement shall be considered privileged as provided in Michigan Rule of Evidence 408.

14. This Settlement Agreement has been made for the sole and express purpose of reaching compromise among the positions of the signatory parties without prejudice to their rights in other proceedings.

15. This Settlement Agreement is not severable. Each provision of the Settlement Agreement is dependent upon all other provisions of the Settlement Agreement. Failure to comply with any provision of the Settlement Agreement constitutes failure to comply with the entire Settlement Agreement. If the Commission rejects or modifies this Settlement Agreement or any provision of the Settlement Agreement, the Settlement Agreement shall be withdrawn and shall not constitute any part of the record in this proceeding or be used for any other purpose. Each party agrees not to appeal or otherwise contest any Commission order accepting and approving this Settlement Agreement without modification.

16. Section 81 of the Administrative Procedures Act of 1969, MCL 24.281, is waived.

17. Consistent with Rule 431 of the Commission's Rules of Practice and Procedure, R 792.10431, the Parties agree that this Settlement Agreement, and the order approving it, shall not be used as precedent in future proceedings except for enforcement of the order. This Settlement Agreement is based on the facts and circumstances of this case and is solely intended as the final disposition of I&M's 2020 General Rate Case in Case No. U-20359.

[SIGNATURE PAGES FOLLOW]

Heather M.S.

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Brian W. Coyer (P40809)
Public Law Resource Center PLLC
University Office Place
333 Albert Avenue, Suite 425
East Lansing, MI 48823
(517) 999-7572

Dated:

SIERRA CLUB
Christopher M. Bzdok (P53094)
Olson Bzdok & Howard
420 E. Front Street
Traverse City, MI 49686
(231) 946-0044

Dated:

GREAT LAKES RENEWABLE ENERGY
ASSOCIATION
Don L. Keskey (P23003)
Brian W. Coyer (P40809)
Public Law Resource Center PLLC
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East Lansing, MI 48823
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Dated: January 7, 2020

Don L. Keskey

RESIDENTIAL CUSTOMER GROUP
Don L. Keskey (P23003)
Brian W. Coyer (P40809)
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University Office Place
333 Albert Avenue, Suite 425
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(517) 999-7572

Dated:

Liane K.
Steffes

Digitally signed by Liane K. Steffes
DN: cn=Liane K. Steffes, o, ou,
email=lsteffes@parrlaw.com,
c=US
Date: 2020.01.08 10:19:15 -05'00'

THE CITY OF AUBURN, INDIANA

Jeremy L. Fetty (P65868)

Aleasha J. Boling

Liane K. Steffes

PARR RICHEY

251 N. Illinois Street, Suite 1800

Indianapolis, IN 46204

(317) 269-2500

NON-OBJECTION

**Liane K.
Steffes**

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Date: 2020.01.08 10:19:42 -05'00'

Dated:

WABASH VALLEY POWER ASS'N, INC
Jeremy L. Fetty (P65868)
Aleasha J. Boling
Liane K. Steffes
PARR RICHEY
251 N. Illinois Street, Suite 1800
Indianapolis, IN 46204
(317) 269-2500

Exhibit 1

Michigan Public Service Commission		Indiana Michigan Power Company	
Indiana Michigan Power Company - Michigan		Case No. U-20359	
Revenue Deficiency			
Projected 12-Month Period Ending 12/31/2020		Settlement, Schedule A-1	
		Page 1 of 1	
	(a)	(b)	(c)
Line			Michigan
No.	Description	Source	Jurisdictional \$000
1			
2	Rate Base	Exh. A-12, Sch. B-1	1,153,324
3			
4	Adjusted Net Operating Income	Exh. A-13, Sch. C-1	42,264
5			
6	Overall Rate of Return	Line 4 / Line 2	3.66%
7			
8	Rate of Return	Exh. A-14, Sch. D-1	6.08%
9			
10	Income Requirement	Line 2 x Line 8	70,122
11			
12	Income Deficiency	Line 10 - Line 4	27,859
13			
14	Revenue Conversion Factor	Exh. A-13, Sch. C-2	1.3427
15			
16	Subtotal	Line 12 x Line 14	37,406
17			
18	OATT Costs	Exh. A-16, Sch. F-1.1	494
19			
20	Revenue Deficiency	Line 16+Line 18	37,900
21			
22	Reduced Nuclear Decommissioning Revenue		(1,500)
23			
24	Net Revenue Increase	Line 20+Line 22	36,400

111253.000049 4832-9111-8000.1

Schedule D-1

Michigan Public Service Commission
Indiana Michigan Power Company
Projected Rate of Return Summary

Case No.: U-20359
Exhibit No.: A-14
Schedule: D-1
Page: 1 of 1
Witness: Franz D. Messner

Line No.	(a) Description	(b) Capital Structure			(e) Cost Rate (%)	(f) Weighted Costs				
		(b) 13-Month Average Balance (\$)	(c) Permanent Capital (%)	(d) Total Capital (%)		(f) Permanent Capital (%)	(g) Total Cost (%)	(h) Conversion Factor ^(b) (%)	(i) Pre-Tax Return (%)	
1										
2	Long-Term Debt	2,917,000,000	53.44	46.09	4.54	2.43	2.09	100.00	2.09	(1)
3										
4	Preferred Stock	0	0.00	0.00	0.00	0.00	0.00	134.27	0.00	(2)
5										
6	Common Shareholders' Equity	<u>2,541,762,533</u>	<u>46.56</u>	40.16	9.86	<u>4.59</u>	<u>3.96</u>	134.27	5.32	(3)
7										
8	Total Permanent Capital	<u>5,458,762,533</u>	<u>100.00</u>	86.25		<u>7.02</u>	6.05			
9										
10	Short-Term Debt	14,075,258		0.22	3.50		0.01	100.00	0.01	(4)
11										
12	ADFIT ⁽⁶⁾	834,519,195		13.19	0.00		0.00	100.00	0.00	
13										
14	ADITC ⁽⁷⁾	<u>21,567,370</u>		<u>0.34</u>	7.02		<u>0.02</u>	134.27	<u>0.03</u>	
15										
16	Total	<u>6,328,924,355</u>		<u>100.00</u>			<u>6.08</u>		<u>7.44</u>	
17										
18										

19 (1) See Exh. A-14, Sch. D-2
20 (2) See Exh. A-14, Sch. D-4
21 (3) See Exh. A-14, Sch. D-5
22 (4) See Exh. A-14, Sch. D-3
23 (5) See Exh. A-13, Sch. C-2
24 (6) Accumulated Deferred Federal Income Taxes
25 (7) Accumulated Deferred Job Development Investment Tax Credits

Exhibit 2

INDIANA MICHIGAN POWER COMPANY
SCHEDULE I - CALCULATION OF DEPRECIATION RATES BY THE REMAINING LIFE METHOD
BASED ON DEPRECIABLE PLANT IN SERVICE AT DECEMBER 31, 2018 (1)
AVERAGE LIFE GROUP (ALG) METHOD ACCRUAL RATES

MI ****Updated Meter Account 370 to 11.01% in accordance to settlement in Case No. U-20359.**

ACCOUNT		ORIGINAL COST	NET SALVAGE RATIO	TOTAL TO BE RECOVERED	CALCULATED DEPRECIATION REQUIREMENT	ALLOCATED ACCUMULATED DEPRECIATION	REMAINING TO BE RECOVERED	AVG REMAIN LIFE	RECOMMENDED ANNUAL ACCRUAL	
NO. (I)	TITLE (II)	(III)	(IV)	(V)	(VI)	(VII)	(VIII)	(IX)	AMOUNT (X)	% (XI)
STEAM PRODUCTION PLANT										
<u>Rockport Unit 1</u>										
311.0	Structures & Improvements	99,922,816	1.06	105,918,185	83,009,602	32,728,034	73,190,151	8.42	8,692,417	8.70%
312.0	Boiler Plant Equipment	441,292,717	1.06	467,770,280	358,145,390	141,205,283	326,564,997	8.24	39,631,674	8.98%
314.0	Turbogenerator Units	108,306,676	1.06	114,805,077	83,413,967	32,887,462	81,917,615	8.14	10,063,589	9.29%
315.0	Accessory Electrical Equipment	60,207,370	1.06	63,819,812	50,913,650	20,073,625	43,746,187	8.35	5,239,064	8.70%
316.0	Miscellaneous Power Plant Equip.	<u>16,936,021</u>	1.06	<u>17,952,182</u>	<u>13,503,709</u>	<u>5,324,081</u>	<u>12,628,101</u>	8.15	<u>1,549,460</u>	9.15%
	Total Rockport Unit 1	<u>726,665,600</u>	1.06	<u>770,265,536</u>	<u>588,986,318</u>	<u>232,218,485</u>	<u>538,047,051</u>	8.26	<u>65,176,205</u>	8.97%
<u>Rockport ACI</u>										
312.0	Boiler Plant Equipment	<u>11,826,007</u>	1.06	<u>12,535,567</u>	<u>7,014,826</u>	<u>4,474,256</u>	<u>8,061,311</u>	8.24	<u>978,314</u>	8.27%
<u>Rockport Unit 1 DSI</u>										
311.0	Structures & Improvements	2,908,429	1.06	3,082,935	1,293,439	1,247,811	1,835,124	8.42	217,948	7.49%
312.0	Boiler Plant Equipment	<u>52,307,530</u>	1.06	<u>55,445,982</u>	<u>19,364,606</u>	<u>18,681,484</u>	<u>36,764,498</u>	8.24	<u>4,461,711</u>	8.53%
	Total Rockport Unit 1 DSI	<u>55,215,959</u>	1.06	<u>58,528,917</u>	<u>20,658,045</u>	<u>19,929,295</u>	<u>38,599,622</u>	8.25	<u>4,679,659</u>	8.48%
<u>Rockport Unit 1 SCR</u>										
312.0	Boiler Plant Equipment	138,973,782	1.06	147,312,209	33,010,172	26,561,149	120,751,060	8.24	14,654,255	10.54%
316.0	Miscellaneous Power Plant Equip.	<u>8,475</u>	1.06	<u>8,984</u>	<u>1,389</u>	<u>1,118</u>	<u>7,866</u>	8.15	<u>965</u>	11.39%
	Total Rockport Unit 1 SCR	<u>138,982,257</u>	1.06	<u>147,321,192</u>	<u>33,011,561</u>	<u>26,562,267</u>	<u>120,758,925</u>	8.24	<u>14,655,220</u>	10.54%
<u>Rockport Unit 2 Owned Assets (2)</u>										
311.0	Structures & Improvements	4,195,993	1.06	4,447,753	3,420,975	2,564,381	1,883,372	8.47	222,358	5.30%
312.0	Boiler Plant Equipment	19,732,390	1.06	20,916,333	15,673,189	11,748,704	9,167,629	8.39	1,092,685	5.54%
314.0	Turbogenerator Units	877,807	1.06	930,475	694,608	520,682	409,793	8.35	49,077	5.59%
315.0	Accessory Electrical Equipment	2,107,377	1.06	2,233,820	1,701,988	1,275,819	958,001	8.44	113,507	5.39%
316.0	Miscellaneous Power Plant Equip.	6,926,956	1.06	<u>7,342,573</u>	5,736,746	4,300,295	<u>3,042,278</u>	8.35	<u>364,345</u>	5.26%
	Total Rockport Unit 2 Owned Assets	<u>33,840,523</u>	1.06	<u>35,870,954</u>	<u>27,227,506</u>	<u>20,409,881</u>	<u>15,461,073</u>	8.39	<u>1,841,972</u>	5.44%
<u>Rockport Unit 2 DSI (2)</u>										
311.0	Structures & Improvements	507,752	1.06	538,217	184,842	186,932	351,285	8.47	41,474	8.17%
312.0	Boiler Plant Equipment	<u>51,662,403</u>	1.06	<u>54,762,147</u>	<u>18,925,857</u>	<u>19,139,898</u>	<u>35,622,249</u>	8.39	<u>4,245,798</u>	8.22%
	Total Rockport Unit 2 DSI	<u>52,170,155</u>	1.06	<u>55,300,364</u>	<u>19,110,699</u>	<u>19,326,830</u>	<u>35,973,534</u>	8.39	<u>4,287,273</u>	8.22%
	Total Rockport Plant	<u>1,018,700,501</u>	1.06	<u>1,079,822,531</u>	<u>696,008,955</u>	<u>322,921,014</u>	<u>756,901,517</u>	8.26	<u>91,618,643</u>	8.99%
	Total Steam Production Plant	<u>1,018,700,501</u>	1.06	<u>1,079,822,531</u>	<u>696,008,955</u>	<u>322,921,014</u>	<u>756,901,517</u>	8.26	<u>91,618,643</u>	8.99%

INDIANA MICHIGAN POWER COMPANY
SCHEDULE I - CALCULATION OF DEPRECIATION RATES BY THE REMAINING LIFE METHOD
BASED ON DEPRECIABLE PLANT IN SERVICE AT DECEMBER 31, 2018 (1)
AVERAGE LIFE GROUP (ALG) METHOD ACCRUAL RATES

MI ****Updated Meter Account 370 to 11.01% in accordance to settlement in Case No. U-20359.**

ACCOUNT		ORIGINAL COST	NET SALVAGE RATIO	TOTAL TO BE RECOVERED	CALCULATED DEPRECIATION REQUIREMENT	ALLOCATED ACCUMULATED DEPRECIATION	REMAINING TO BE RECOVERED	AVG REMAINING LIFE	RECOMMENDED ANNUAL ACCRUAL	
NO. (I)	TITLE (II)	(III)	(IV)	(V)	(VI)	(VII)	(VIII)	(IX)	AMOUNT (X)	% (XI)
NUCLEAR PRODUCTION PLANT										
<u>Cook Unit 1</u>										
321.0	Structures & Improvements	95,979,879	1.01	96,939,678	67,656,149	52,133,872	44,805,806	14.16	3,164,252	3.30%
322.0	Reactor Plant Equipment	821,420,718	1.02	837,849,132	452,993,796	349,063,917	488,785,215	13.74	35,573,888	4.33%
323.0	Turbogenerator Units	330,617,413	1.04	343,842,110	164,979,030	127,128,069	216,714,041	12.79	16,944,022	5.12%
324.0	Accessory Electrical Equipment	133,540,647	1.00	133,540,647	79,423,657	61,201,573	72,339,074	13.96	5,181,882	3.88%
325.0	Miscellaneous Power Plant Equip.	<u>41,819,193</u>	1.00	<u>41,819,193</u>	<u>20,761,782</u>	<u>15,998,429</u>	<u>25,820,764</u>	13.67	<u>1,888,863</u>	4.52%
	Total Cook Unit 1	<u>1,423,377,850</u>	1.02	<u>1,453,990,760</u>	<u>785,814,414</u>	<u>605,525,860</u>	<u>848,464,900</u>	13.52	<u>62,752,907</u>	4.41%
<u>Cook Unit 2</u>										
321.0	Structures & Improvements	362,416,949	1.01	366,041,118	214,105,001	164,983,121	201,057,997	17.01	11,819,988	3.26%
322.0	Reactor Plant Equipment	945,774,698	1.03	974,147,939	496,355,044	382,476,839	591,671,100	16.40	36,077,506	3.81%
323.0	Turbogenerator Units	436,300,018	1.04	453,752,019	170,966,363	131,741,734	322,010,285	15.01	21,453,050	4.92%
324.0	Accessory Electrical Equipment	163,127,892	1.00	163,127,892	81,932,829	63,135,068	99,992,824	16.72	5,980,432	3.67%
325.0	Miscellaneous Power Plant Equip.	<u>232,742,794</u>	1.00	<u>232,742,794</u>	<u>112,598,146</u>	<u>86,764,874</u>	<u>145,977,920</u>	16.29	<u>8,961,198</u>	3.85%
	Total Cook Unit 2	<u>2,140,362,351</u>	1.02	<u>2,189,811,762</u>	<u>1,075,957,383</u>	<u>829,101,636</u>	<u>1,360,710,126</u>	16.14	<u>84,292,175</u>	3.94%
	Total Nuclear Production Plant	<u>3,563,740,201</u>	1.02	<u>3,643,802,522</u>	<u>1,861,771,797</u>	<u>1,434,627,496</u>	<u>2,209,175,026</u>	15.02	<u>147,045,082</u>	4.13%
HYDRAULIC PRODUCTION PLANT										
<u>Berrien Springs</u>										
331.0	Structures & Improvements	604,056	1.05	634,259	337,235	369,157	265,102	16.24	16,324	2.70%
332.0	Reservoirs, Dams & Waterways	5,259,358	1.05	5,522,326	3,602,213	3,943,189	1,579,137	16.35	96,583	1.84%
333.0	Waterwheels, Turbines & Generators	7,386,234	1.05	7,755,546	4,526,912	4,955,418	2,800,128	16.06	174,354	2.36%
334.0	Accessory Electrical Equip.	1,248,463	1.05	1,310,886	819,697	897,287	413,599	15.82	26,144	2.09%
335.0	Misc. Power Plant Equip.	<u>812,900</u>	1.05	<u>853,545</u>	<u>463,219</u>	<u>507,066</u>	<u>346,479</u>	16.19	<u>21,401</u>	2.63%
	Total Berrien Springs	<u>15,311,011</u>	1.05	<u>16,076,562</u>	<u>9,749,276</u>	<u>10,672,117</u>	<u>5,404,445</u>	16.14	<u>334,806</u>	2.19%
<u>Buchanan</u>										
331.0	Structures & Improvements	615,851	1.06	652,802	335,867	367,659	285,143	16.24	17,558	2.85%
332.0	Reservoirs, Dams & Waterways	4,763,884	1.06	5,049,717	3,337,863	3,653,816	1,395,901	16.35	85,376	1.79%
333.0	Waterwheels, Turbines & Generators	1,309,560	1.06	1,388,134	947,956	1,037,687	350,447	16.06	21,821	1.67%
334.0	Accessory Electrical Equip.	1,034,296	1.06	1,096,354	706,929	773,845	322,509	15.82	20,386	1.97%
335.0	Misc. Power Plant Equip.	<u>290,888</u>	1.06	<u>308,341</u>	<u>159,536</u>	<u>174,637</u>	<u>133,704</u>	16.19	<u>8,258</u>	2.84%
	Total Buchanan	<u>8,014,479</u>	1.06	<u>8,495,348</u>	<u>5,488,151</u>	<u>6,007,644</u>	<u>2,487,704</u>	16.22	<u>153,400</u>	1.91%
<u>Elkhart</u>										
331.0	Structures & Improvements	1,049,160	1.07	1,122,601	783,576	857,747	264,854	10.40	25,467	2.43%
332.0	Reservoirs, Dams & Waterways	7,085,346	1.07	7,581,320	4,883,128	5,345,353	2,235,967	10.44	214,173	3.02%
333.0	Waterwheels, Turbines & Generators	562,493	1.07	601,868	468,072	512,378	89,490	10.32	8,671	1.54%
334.0	Accessory Electrical Equip.	461,490	1.07	493,794	386,246	422,807	70,987	10.23	6,939	1.50%
335.0	Misc. Power Plant Equip.	<u>219,956</u>	1.07	<u>235,353</u>	<u>131,633</u>	<u>144,093</u>	<u>91,260</u>	10.37	<u>8,800</u>	4.00%
	Total Elkhart	<u>9,378,445</u>	1.07	<u>10,034,936</u>	<u>6,652,655</u>	<u>7,282,378</u>	<u>2,752,558</u>	10.42	<u>264,051</u>	2.82%

INDIANA MICHIGAN POWER COMPANY
SCHEDULE I - CALCULATION OF DEPRECIATION RATES BY THE REMAINING LIFE METHOD
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NO. (I)	TITLE (II)	(III)	(IV)	(V)	(VI)	(VII)	(VIII)	(IX)	AMOUNT (X)	% (XI)
<u>Twin Branch</u>										
331.0	Structures & Improvements	787,571	1.05	826,950	465,903	510,004	316,946	16.24	19,516	2.48%
332.0	Reservoirs, Dams & Waterways	5,139,969	1.05	5,396,967	3,524,759	3,858,403	1,538,564	16.35	94,102	1.83%
333.0	Waterwheels, Turbines & Generators	6,048,140	1.05	6,350,547	3,910,667	4,280,841	2,069,706	16.06	128,873	2.13%
334.0	Accessory Electrical Equip.	1,673,550	1.05	1,757,228	1,135,520	1,243,005	514,223	15.82	32,505	1.94%
335.0	Misc. Power Plant Equip.	<u>609,399</u>	1.05	<u>639,869</u>	<u>303,298</u>	<u>332,007</u>	<u>307,862</u>	16.19	<u>19,016</u>	3.12%
	Total Twin Branch	<u>14,258,629</u>	1.05	<u>14,971,560</u>	<u>9,340,147</u>	<u>10,224,260</u>	<u>4,747,300</u>	16.15	<u>294,012</u>	2.06%
<u>Constantine</u>										
331.0	Structures & Improvements	528,763	1.21	639,803	234,616	256,824	382,979	32.43	11,809	2.23%
332.0	Reservoirs, Dams & Waterways	1,889,860	1.21	2,286,731	881,992	965,479	1,321,252	32.88	40,184	2.13%
333.0	Waterwheels, Turbines & Generators	1,134,783	1.21	1,373,087	583,699	638,950	734,137	31.70	23,159	2.04%
334.0	Accessory Electrical Equip.	712,543	1.21	862,177	242,099	265,015	597,162	30.69	19,458	2.73%
335.0	Misc. Power Plant Equip.	<u>543,537</u>	1.21	<u>657,680</u>	<u>128,905</u>	<u>141,107</u>	<u>516,573</u>	32.21	<u>16,038</u>	2.95%
	Total Constantine	<u>4,809,486</u>	1.21	<u>5,819,478</u>	<u>2,071,311</u>	<u>2,267,375</u>	<u>3,552,103</u>	32.10	<u>110,648</u>	2.30%
<u>Mottville</u>										
331.0	Structures & Improvements	758,602	1.04	788,946	458,851	502,285	286,661	13.33	21,505	2.83%
332.0	Reservoirs, Dams & Waterways	2,201,234	1.04	2,289,283	1,527,639	1,672,241	617,042	13.40	46,048	2.09%
333.0	Waterwheels, Turbines & Generators	608,717	1.04	633,066	447,704	490,082	142,984	13.21	10,824	1.78%
334.0	Accessory Electrical Equip.	717,005	1.04	745,685	457,552	500,863	244,822	13.05	18,760	2.62%
335.0	Misc. Power Plant Equip.	384,871	1.04	400,266	184,122	201,550	198,716	13.29	14,952	3.89%
336.0	Roads, Railroads & Bridges	<u>858</u>	1.04	<u>892</u>	<u>726</u>	<u>795</u>	<u>97</u>	13.36	<u>7</u>	0.85%
	Total Mottville	<u>4,671,287</u>	1.04	<u>4,858,138</u>	<u>3,076,594</u>	<u>3,367,816</u>	<u>1,490,322</u>	13.29	<u>112,097</u>	2.40%
<u>Crew Service Center</u>										
331.0	Structures & Improvements	417,303	1.05	438,168	277,755	304,047	134,121	32.43	4,136	0.99%
335.0	Misc. Power Plant Equip.	<u>126,865</u>	1.05	<u>133,208</u>	<u>85,720</u>	<u>93,834</u>	<u>39,374</u>	32.21	<u>1,222</u>	0.96%
	Total Crew Service Center	<u>544,168</u>	1.05	<u>571,376</u>	<u>363,475</u>	<u>397,881</u>	<u>173,495</u>	32.38	<u>5,358</u>	0.98%
	Total Hydraulic Production Plant	<u>56,987,505</u>	1.07	<u>60,827,399</u>	<u>36,741,609</u>	<u>40,219,471</u>	<u>20,607,928</u>	16.17	<u>1,274,371</u>	2.24%
OTHER PRODUCTION PLANT										
<u>Deer Creek Solar Facility</u>										
344.0	Generators	6,127,051	1.03	6,310,863	1,419,944	1,283,601	5,027,262	15.50	324,339	5.29%
346.0	Misc. Power Plant Equip.	<u>5,241</u>	1.03	<u>5,398</u>	<u>476</u>	<u>430</u>	<u>4,968</u>	15.50	<u>321</u>	6.12%
	Total Deer Creek Solar Facility	<u>6,132,292</u>		<u>6,316,261</u>	<u>1,420,420</u>	<u>1,284,031</u>	<u>5,032,230</u>	15.50	<u>324,660</u>	5.29%
<u>Olive Solar Facility</u>										
341.0	Structures & Improvements	376,687	1.04	391,754	68,557	61,974	329,780	16.50	19,987	5.31%
344.0	Generators	11,184,837	1.04	11,632,230	2,035,640	1,840,179	9,792,051	16.50	593,458	5.31%
345.0	Accessory Electric Equip.	269,062	1.04	279,824	48,969	44,267	235,557	16.50	14,276	5.31%
346.0	Misc. Power Plant Equip.	<u>215,250</u>	1.04	<u>223,860</u>	<u>39,176</u>	<u>35,414</u>	<u>188,446</u>	16.50	<u>11,421</u>	5.31%
	Total Olive Solar Facility	<u>12,045,836</u>	1.04	<u>12,527,669</u>	<u>2,192,342</u>	<u>1,981,834</u>	<u>10,545,835</u>	16.50	<u>639,142</u>	5.31%
<u>Twin Branch Solar Facility</u>										
344.0	Generators	<u>6,955,324</u>	1.04	<u>7,233,537</u>	<u>1,265,869</u>	<u>1,144,320</u>	<u>6,089,217</u>	16.50	<u>369,043</u>	5.31%
<u>Watervliet Facility</u>										
341.0	Structures & Improvements	358,432	1.03	369,185	64,607	58,403	310,782	16.50	18,835	5.25%
344.0	Generators	11,113,412	1.03	11,446,814	2,003,193	1,810,846	9,635,968	16.50	583,998	5.25%
346.0	Misc. Power Plant Equip.	<u>344,117</u>	1.03	<u>354,441</u>	<u>61,744</u>	<u>55,815</u>	<u>298,626</u>	16.50	<u>18,099</u>	5.26%
	Total Watervliet Facility	<u>11,815,961</u>	1.03	<u>12,170,440</u>	<u>2,129,544</u>	<u>1,925,064</u>	<u>10,245,376</u>	16.50	<u>620,932</u>	5.26%
	Total Other Production Plant	<u>36,949,413</u>	1.04	<u>38,247,907</u>	<u>7,008,175</u>	<u>6,335,249</u>	<u>31,912,658</u>	16.33	<u>1,953,777</u>	5.29%
	Total Production Plant	<u>4,676,377,620</u>	1.03	<u>4,822,700,359</u>	<u>2,601,530,536</u>	<u>1,804,103,230</u>	<u>3,018,597,129</u>	12.48	<u>241,891,873</u>	5.17%

INDIANA MICHIGAN POWER COMPANY
SCHEDULE I - CALCULATION OF DEPRECIATION RATES BY THE REMAINING LIFE METHOD
BASED ON DEPRECIABLE PLANT IN SERVICE AT DECEMBER 31, 2018 (1)
AVERAGE LIFE GROUP (ALG) METHOD ACCRUAL RATES

MI ****Updated Meter Account 370 to 11.01% in accordance to settlement in Case No. U-20359.**

ACCOUNT		ORIGINAL COST	NET SALVAGE RATIO	TOTAL TO BE RECOVERED	CALCULATED DEPRECIATION REQUIREMENT	ALLOCATED ACCUMULATED DEPRECIATION	REMAINING TO BE RECOVERED	AVG REMAIN LIFE	RECOMMENDED ANNUAL ACCRUAL	
NO. (I)	TITLE (II)	(III)	(IV)	(V)	(VI)	(VII)	(VIII)	(IX)	AMOUNT (X)	% (XI)
TRANSMISSION PLANT										
350.1	Land Rights	61,153,162	1.00	61,153,162	21,466,239	19,255,491	41,897,671	42.18	993,307	1.62%
352.0	Structures & Improvements	31,530,189	1.18	37,205,623	9,439,982	8,467,785	28,737,838	52.24	550,112	1.74%
353.0	Station Equipment	771,551,930	1.05	810,129,527	188,966,644	169,505,499	640,624,028	34.50	18,568,812	2.41%
354.0	Towers & Fixtures	232,965,650	1.37	319,162,941	186,724,290	167,494,079	151,668,862	26.56	5,710,424	2.45%
355.0	Poles & Fixtures	190,169,997	1.59	302,370,295	39,957,377	35,842,279	266,528,016	44.26	6,021,871	3.17%
356.0	OH Conductor & Devices	268,370,909	1.40	375,719,273	160,791,851	144,232,349	231,486,924	37.75	6,132,104	2.28%
357.0	Underground Conduit	2,312,343	1.00	2,312,343	1,179,442	1,057,975	1,254,368	24.50	51,199	2.21%
358.0	Underground Conductor	6,388,692	1.18	7,538,657	2,379,695	2,134,617	5,404,040	44.48	121,494	1.90%
359.0	Roads and Trails	<u>91,159</u>	1.00	<u>91,159</u>	<u>23,153</u>	<u>20,769</u>	<u>70,390</u>	48.49	<u>1,452</u>	1.59%
Total Transmission Plant		<u>1,564,534,031</u>	1.22	<u>1,915,682,980</u>	<u>610,928,673</u>	<u>548,010,843</u>	<u>1,367,672,137</u>	35.85	<u>38,150,774</u>	2.44%
DISTRIBUTION PLANT - IN										
360.1	Land Rights	9,420,428	1.00	9,420,428	2,065,659	2,644,604	6,775,824	50.72	144,329	1.53%
361.0	Structures & Improvements	25,405,825	1.12	28,454,524	2,733,296	2,883,517	25,571,007	63.92	397,450	1.56%
362.0	Station Equipment	303,924,997	1.06	322,160,497	35,462,869	33,880,156	288,280,341	43.67	6,802,292	2.24%
363.0	Storage Battery Equipment	5,606,730	1.00	5,606,730	3,495,091	2,969,377	2,637,353	5.65	340,889	6.08%
364.0	Poles, Towers, & Fixtures	217,616,423	1.81	393,885,726	82,939,315	100,105,392	293,780,334	27.24	10,927,512	5.02%
365.0	Overhead Conductor & Devices	339,581,574	1.13	383,727,179	70,155,217	78,468,819	305,258,360	28.87	11,480,270	3.38%
366.0	Underground Conduit	114,429,095	1.00	114,429,095	18,612,057	18,924,202	95,504,893	46.56	2,008,006	1.75%
367.0	Underground Conductor	226,301,498	1.00	226,301,498	36,278,240	39,256,112	187,045,386	42.54	3,877,551	1.71%
368.0	Line Transformers	286,893,679	1.06	304,107,300	110,213,983	115,795,588	188,311,712	13.32	15,530,541	5.41%
369.0	Services	154,130,235	1.22	188,038,887	48,571,691	53,529,507	134,509,380	29.35	4,698,861	3.05%
370.0	Meters	<u>77,180,235</u>	<u>1.22</u>	<u>94,159,887</u>	<u>35,846,815</u>	<u>35,846,815</u>	<u>58,313,072</u>	<u>(3)</u>	<u>8,497,544</u>	<u>11.01%</u>
371.0	Installations on Custs. Prem.	19,146,183	1.23	23,549,805	7,869,175	11,245,948	12,303,857	9.18	1,497,301	7.82%
373.0	Street Lighting & Signal Sys.	<u>16,650,944</u>	1.14	<u>18,982,076</u>	<u>9,391,227</u>	<u>11,279,805</u>	<u>7,702,271</u>	9.14	<u>894,387</u>	5.37%
Total Distribution Plant - IN		<u>1,796,287,846</u>	1.18	<u>2,112,823,632</u>	<u>463,634,635</u>	<u>506,829,842</u>	<u>1,605,993,790</u>	23.94	<u>67,096,933</u>	3.74%
DISTRIBUTION PLANT - MI										
360.1	Land Rights	5,384,064	1.00	5,384,064	1,186,492	1,200,243	4,183,821	50.72	82,489	1.53%
361.0	Structures & Improvements	3,282,455	1.12	3,676,350	472,676	394,005	3,282,345	63.92	51,351	1.56%
362.0	Station Equipment	77,197,587	1.06	81,829,442	8,447,211	6,376,570	75,452,872	43.67	1,727,796	2.24%
363.0	Storage Battery Equipment	0	0.00	0	0	0	0	0.00	0	0.00%
364.0	Poles, Towers, & Fixtures	69,392,240	1.81	125,599,954	32,172,639	30,682,162	94,917,792	27.24	3,484,500	5.02%
365.0	Overhead Conductor & Devices	127,068,042	1.13	143,586,887	22,140,436	19,567,060	124,019,827	28.87	4,295,803	3.38%
366.0	Underground Conduit	11,445,359	1.00	11,445,359	2,606,564	2,094,083	9,351,276	46.56	200,844	1.75%
367.0	Underground Conductor	36,272,133	1.00	36,272,133	11,501,124	9,833,398	26,438,735	42.54	621,503	1.71%
368.0	Line Transformers	48,729,716	1.06	51,653,499	19,895,850	16,516,577	35,136,922	13.32	2,637,907	5.41%
369.0	Services	31,245,932	1.22	38,120,037	11,669,920	10,162,022	27,958,015	29.35	952,573	3.05%
370.0	Meters (3)	<u>17,188,931</u>	<u>1.22</u>	<u>20,970,496</u>	<u>2,402,495</u>	<u>2,402,495</u>	<u>18,568,001</u>	<u>(3)</u>	<u>1,892,501</u>	<u>11.01%</u>
371.0	Installations on Custs. Prem.	8,272,344	1.23	10,174,983	3,751,512	4,236,190	5,938,793	9.18	646,927	7.82%
373.0	Street Lighting & Signal Sys.	<u>4,993,344</u>	1.14	<u>5,692,412</u>	<u>3,415,005</u>	<u>3,240,954</u>	<u>2,451,458</u>	9.14	<u>268,212</u>	5.37%
Total Distribution Plant - MI		<u>440,472,147</u>	1.21	<u>534,405,616</u>	<u>119,661,924</u>	<u>106,705,759</u>	<u>427,699,857</u>	25.36	<u>16,862,406</u>	3.83%
Total Distribution Plant		<u>2,236,759,993</u>	1.18	<u>2,647,229,248</u>	<u>583,296,559</u>	<u>613,535,601</u>	<u>2,033,693,647</u>	24.22	<u>83,959,340</u>	3.75%
GENERAL PLANT										
390.0	Structures & Improvements	52,218,917	1.02	53,263,295	10,676,075	8,885,445	44,377,850	40.78	1,088,226	2.08%
391.0	Office Furniture & Equipment	6,031,461	0.96	5,790,203	2,293,538	1,908,858	3,881,345	13.29	292,050	4.84%
393.0	Stores Equipment	916,170	1.00	916,170	147,645	122,881	793,289	11.74	67,571	7.38%
394.0	Tools Shop & Garage Equipment	15,579,484	1.00	15,579,484	6,858,302	5,708,003	9,871,481	8.96	1,101,728	7.07%
395.0	Laboratory Equipment	240,988	0.99	238,578	91,062	75,789	162,789	12.37	13,160	5.46%
396.0	Power Operated Equipment	543,715	1.00	543,715	312,176	259,817	283,898	10.65	26,657	4.90%
397.0	Communication Equipment	53,739,725	1.00	53,739,725	14,551,977	12,111,266	41,628,459	19.69	2,114,193	3.93%
398.0	Miscellaneous Equipment	<u>10,377,695</u>	0.92	<u>9,547,479</u>	<u>3,392,533</u>	<u>2,823,525</u>	<u>6,723,954</u>	19.34	<u>347,671</u>	3.35%
Total General Plant		<u>139,648,155</u>	1.00	<u>139,618,649</u>	<u>38,323,308</u>	<u>31,895,584</u>	<u>107,723,065</u>	21.33	<u>5,051,256</u>	3.62%
Total Depreciable Plant		<u>8,617,319,799</u>	1.11	<u>9,525,231,236</u>	<u>3,834,079,076</u>	<u>2,997,545,258</u>	<u>6,527,685,978</u>	17.69	<u>369,053,243</u>	4.28%

INDIANA MICHIGAN POWER COMPANY
 SCHEDULE I - CALCULATION OF DEPRECIATION RATES BY THE REMAINING LIFE METHOD
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 AVERAGE LIFE GROUP (ALG) METHOD ACCRUAL RATES

MI ****Updated Meter Account 370 to 11.01% in accordance to settlement in Case No. U-20359.**

NO.	ACCOUNT TITLE	ORIGINAL COST	NET SALVG RATIO	TOTAL TO BE RECOVERED	CALCULATED DEPRECIATION REQUIREMENT	ALLOCATED ACCUMULATED DEPRECIATION	REMAINING TO BE RECOVERED	AVG REMAIN LIFE	RECOMMENDED ANNUAL ACCRUAL	
									AMOUNT	%
(I)	(II)	(III)	(IV)	(V)	(VI)	(VII)	(VIII)	(IX)	(X)	(XI)

Notes:

- (1) Production Plant original cost includes 2019 forecasted plant additions totaling \$336,557,680. A corresponding adjustment was made to Production Plant accumulated depreciation that includes an additional year of depreciation using the expected plant balances at 12/31/2019.
- (2) Rockport Unit 2 depreciation rates are calculated using a 2028 retirement date as approved in Case No. U-18370.
- (3) The depreciation rate for Distribution Account 370, Meters, was calculated to include AMI Meter deployment set to begin in 2019 along with the expected retirement of the current meters. The depreciation rate that was calculated is based on a 15 year service life of the AMI Meters to be installed.
- (4) The Company proposes that a depreciation rate of 12.47% be established when the Rockport Unit 2 SCR is placed in service in 2020. This will allow the investment in the Rockport Unit 2 SCR (plus an estimate for net salvage) to be depreciated over the remaining life of Rockport Unit 1, or through 2028.

Exhibit 3

Calculation of Special Charge Increases with 25% Cap

<u>Schedule of Charges</u>	<u>Current Charge</u>	<u>Company Proposed Charge</u>	<u>Amount Inc(Dec)</u>	<u>% Inc(Dec)</u>	<u>Charge for Settlement w/ 25% Cap</u>	<u>Inc(Dec) Amount</u>	<u>% Inc(Dec)</u>	<u>2018 Frequency</u>	<u>Revenue Inc(Dec)</u>	(1)
1. Reconnect during regular business hours	\$62.50	\$83.00	\$20.50	33%	\$78.13	\$15.63	25%	4,724	\$73,813	
2. Reconnect during workday overtime hours and all day Saturday	\$80.00	\$93.00	\$13.00	16%	\$93.00	\$13.00	16%	457	\$5,941	
3. Reconnect on Sundays or holidays	\$156.25	\$177.00	\$20.75	13%	\$177.00	\$20.75	13%	12	\$249	
4. Trip charge where Company employees are sent to customer premises to specifically notify the customer that bill payment is due.	\$29.00	\$33.00	\$4.00	14%	\$33.00	\$4.00	14%	2,890	\$11,560	
5. Disconnect trips where notification is left for the customer at the premises because of access or other issue, or the customer signs a Company form agreeing to make payment by the end of business the same day and no disconnect is made.	\$34.25	\$41.00	\$6.75	20%	\$41.00	\$6.75	20%	7,976	\$53,838	
6. Reconnect when disconnect is required to be made from a vault, manhole or service box.	\$585.75	\$1,341.00	\$755.25	129%	\$732.19	\$146.44	25%	0	\$0	
7. Reconnect when disconnect is required to be made at pole during regular business hours.	\$78.00	\$119.00	\$41.00	53%	\$97.50	\$19.50	25%	62	\$1,209	
8. Reconnect when disconnect is required to be made at pole during workday overtime hours and all day Saturday.	\$117.00	\$132.00	\$15.00	13%	\$132.00	\$15.00	13%	5	\$75	
9. Reconnect when disconnect is required to be made at pole on Sunday or holidays.	\$203.00	\$245.00	\$42.00	21%	\$245.00	\$42.00	21%	1	\$42	
10. Trip charge for no-power service call when the customer's facilities are clearly at fault or for scheduled work and customer is not ready and the customer was advised of the charge.	\$34.25	\$62.00	\$27.75	81%	\$42.81	\$8.56	25%	487	\$4,170	(2)
11. Meter test or change when charge is permitted in accordance with the provision of MPSC Consumer Standards and Billing Practice Rules.	\$31.25	\$84.00	\$52.75	169%	\$39.06	\$7.81	25%	0	\$0	
12. Customer's check returned for non-sufficient funds.	\$18.75	\$20.00	\$1.25	7%	\$20.00	\$1.25	7%	1,564	\$1,955	
								TOTAL	\$152,851	

Notes:

1) Item No. 1-12 (except 10) represent and increase to FERC Account 451 - Miscellaneous Service Revenues

2) Item No. 10 represents a decrease in FERC Account 588 - Miscellaneous Distribution Expense

Total Adjustment for Direct Allocation - Adjustment OR-4

<u>Company</u>		<u>STAFF</u>		<u>Difference</u>
<u>Revenue</u>	<u>Expense</u>	<u>Revenue</u>	<u>Expense</u>	
\$173,044		\$148,682		(\$24,363)
	(\$13,514)		(\$4,170)	\$9,344
	\$186,558		\$152,851	(\$33,707)

Exhibit 4

INDIANA MICHIGAN POWER COMPANY

<http://www.indianamichiganpower.com/>

SCHEDULE OF TARIFFS
GOVERNING THE
SALE OF ELECTRICITY

Copies of I&M's Rate Book for Electric Services are available on
Indiana Michigan Power's website at this following website address,
<http://www.aep.com> or at the Michigan Public Service Commission website
at https://www.michigan.gov/mpsc/0,9535,7-395-93308_93325_93423---,00.html

APPLYING TO THE FOLLOWING TERRITORY:
Allegan, Berrien, Cass, Kalamazoo, St. Joseph,
and Van Buren Counties, Michigan

THIS RATE BOOK SUPERSEDES AND CANCELS RATE BOOK M.P.S.C NO. 16 - ELECTRIC

ISSUED
BY TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359

INDEX
SECTION A

TARIFF	DESCRIPTION	SHEET NO(S).
	Title Page	A-1.00
	Index	A-2.00 – A-6.00
	Table of Contents - Checklists	A-7.00 – A-13.00
	Area Map of Localities Where Electric Service is Available	A-14.00
	Localities Where Electric Service is Available	A-15.00
	Abbreviations, Technical Terms and Definitions	A-16.00-19.00

SECTION B

MICHIGAN PUBLIC SERVICE ADMINISTRATIVE RULES INDEX

https://www.michigan.gov/mpsc/0,9535,7-395-93309_93437_93467---,00.html

B1	CONSUMER STANDARDS AND BILLING PRACTICES FOR ELECTRIC RESIDENTIAL SERVICE (R 460.101 - R 460.169) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=1779_2018-001LR_AdminCode.pdf	B-1.00
B2	TECHNICAL STANDARDS FOR ELECTRIC SERVICE (R 460.3101 – 460.3804) (FOR ALL CUSTOMERS) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=1923_2019-030LR_AdminCode.pdf	B-4.00
B3	BILLING PRACTICES APPLICABLE TO NON-RESIDENTIAL ELECTRIC AND GAS CUSTOMERS (R 460.101 - R 460.169) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=1779_2018-001LR_AdminCode.pdf	B-6.00
B4	ELECTRIC SUPPLY AND COMMUNICATIONS LINES AND ASSOCIATED EQUIPMENT (R 460.811 – 460.814) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=1683_2017-007LR_AdminCode.pdf	B-8.00
B5	ELECTRIC INTERCONNECTION AND NET METERING STANDARDS (R 460.601 – 460.656) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=1983_2019-087LR_AdminCode.pdf	B-8.00

(Continued on Sheet No. A-3.00)

ISSUED
BY TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359

(Continued from Sheet No. A-2.00)

B6	SERVICE QUALITY AND RELIABILITY STANDARDS FOR ELECTRIC DISTRIBUTION SYSTEMS (R 460.701 – 460.752) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=826_10792_AdminCode.pdf	B-9.00
B7	UNDERGROUND ELECTRIC LINES (R 460.511 – 460.519) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=824_10790_AdminCode.pdf	B-10.00
B8	UNCOLLECTIBLES ALLOWANCE RECOVERY FUND (R 460.2601 - 460.2625) Rescinded November 12, 2013	B-11.00
B9	PRACTICE AND PROCEDURE BEFORE THE COMMISSION (R 460.17101-460.17701) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=1799_2018-018LR_AdminCode.pdf	B-11.00
B10	FILING PROCEDURES FOR ELECTRIC, WATER, STEAM AND GAS UTILITIES (R 460.2011 – 460.2031) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=832_10798_AdminCode.pdf	B-11.00
B11	RESIDENTIAL CONSERVATION PROGRAM STANDARDS (R 460.2401 – 460.2414) http://dmbinternet.state.mi.us/DMB/ORRDocs/AdminCode/835_10801_AdminCode.pdf	B-11.00
B12	PRESERVATION OF RECORDS OF ELECTRIC, GAS AND WATER UTILITIES (R 460.2501 – 460.2582) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=1825_2018-042LR_AdminCode.pdf	B-11.00
B13	UNIFORM SYSTEM OF ACCOUNTS FOR MAJOR AND NON MAJOR ELECTRIC UTILITIES (R 460.9001- 460.9019) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=840_10806_AdminCode.pdf	B-12.00
B14	RATE CASE FILING REQUIREMENTS FOR MAJOR ELECTRIC UTILITIES https://mi-psc.force.com/sfc/servlet.shepherd/version/download/068t0000001UVwnAAU	B-12.00
B15	RULES AND REGULATIONS GOVERNING ANIMAL CONTACT CURRENT MITIGATION (R 460.2701 – 460.2707) https://dtmb.state.mi.us/ARS_Public/AdminCode/DownloadAdminCodeFile?FileName=838_10804_AdminCode.pdf	B-12.00

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

(Continued from Sheet No. A-3.00)

**SECTION C
TERMS AND CONDITIONS OF STANDARD SERVICE**

	DESCRIPTION	SHEET NO(S).
	Indiana Michigan Power Terms and Conditions of Standard Service	C-1.00 - C-23.00

**SECTION D
STANDARD SERVICE AND OPEN ACCESS DISTRIBUTION SERVICE TARIFFS**

TARIFF	DESCRIPTION	SHEET NO(S).
	Title Page	D-1.00
RS	Residential Electric Service	D-2.00 - D-5.00
RS-TOD	Residential Time-of-Day Service	D-6.00 - D-7.00
RS-OPES	Residential Off-Peak Energy Storage	D-8.00 - D-9.00
RS-PEV	Residential Plug-In Electric Vehicle	D-10.00 - D-12.00
RS-TOD2	Residential - Time-of-Day 2 Service	D-13.00 - D-14.00
RS-SC	Optional Residential Senior Citizen	D-15.00 - D-18.00
GS	General Service	D-19.00 - D-23.00
GS-TOD	General Service - Time-of-Day Service	D-24.00 - D-25.00
GS-TOD2	General Service - Time-of-Day 2 Service	D-26.00 - D-27.00
GS-PEV	General Service - Plug-in Electric Vehicle	D-28.00 - D-29.00
LGS	Large General Service	D-30.00 - D-34.00
LP	Large Power	D-35.00 - D-39.00
MS	Municipal and School Service	D-40.00 - D-41.00
WSS	Water and Sewage Service	D-42.00 - D-45.00
EHS	Electric Heating Schools	D-46.00 - D-48.00
IS	Irrigation Service	D-49.00 - D-50.00
OSL	Outdoor Security Lighting	D-51.00 - D-54.00
SLS	Streetlighting Service	D-55.00 - D-57.00
SLC	Streetlighting - Customer-Owned System	D-58.00 - D-60.00
ECLS	Energy Conservation Lighting Service	D-61.00 - D-65.00
SLCM	Streetlighting - Customer-Owned System - Metered	D-66.00 - D-67.00
COGEN/SPP	Cogeneration and/or Small Power Production Service	D-68.00 - D-74.00
CATV	Pole Attachment Rental - Cable Television	D-75.00 - D-76.00
CS-IRP	Contract Service - Interruptible Power	D-77.00 - D-78.00

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(Continued from Sheet No. A-4.00)

SECTION D (continued)
 STANDARD SERVICE AND OPEN ACCESS DISTRIBUTION SERVICE TARIFFS

RIDER	DESCRIPTION	SHEET NO(S).
	STANDARD RIDERS	
AFS	Rider AFS - Alternate Feed Service	D-79.00 - D-82.00
EDR	Economic Development Rider	D-83.00 - D-86.00
VGP	Voluntary Green Pricing (VGP) Program	D-87.00 – D-88.00
NMS-1	Rider NMS-1 - Net Metering Service for Customer's with Generating Facilities of 20 kW or Less	D-89.00 - D-91.00
NMS-2	Rider NMS-2 - Net Metering Service for Customer's with Generating Facilities Greater than 20 kW	D-92.00 - D-95.00
ROS	Rider ROS – Resale of Service	D-96.00 - D-97.00
HEM	Home Energy Management (HEM) Rider	D-98.00 – D-100.00.
WEM	Work Energy Management (WEM) Rider	D-101.00 – D-104.00
DG RIDER	Distributed Generation Rider	D-105.00 – D-110.00
	Page(s) Intentionally Left Blank	D-111.00 – D-113.00
	APPLICABLE POWER SUPPLY AND DELIVERY CHARGE SURCHARGES AND RIDERS	
	Surcharges and Riders Cover Sheet	D-114.00
PSCR	Power Supply Cost Recovery Factor	D-115.00 – D-116.00
RRS	Rate Realignment Surcharge/Credit	D-117.00
EWR	Surcharge EWR – Energy Waste Reduction	D-118.00
NDS	Nuclear Decommissioning Surcharge	D-119.00
RES	Renewable Energy Surcharge	D-120.00
NLRTS	Net Lost Revenue Tracker Surcharge	D-121.00
LIEAF	Low-Income Energy Assistance Fund Surcharge	D-122.00
PRA	Phase-in Rate Adjustment	D-123.00

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(Continued from Sheet No. A-5.00)

**SECTION E
TERMS AND CONDITIONS OF OPEN ACCESS DISTRIBUTION SERVICE**

	DESCRIPTION	SHEET NO(S).
	Terms and Conditions of Open Access Distribution Service	E-1.00 - E-21.00
	Supplier Terms and Conditions of Open Access Distribution Service	E-22.00 - E-31.00

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(Continued from Sheet No. A-7.00)

**STANDARD SERVICE AND OPEN ACCESS DISTRIBUTION SERVICE TARIFFS
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EFFECTIVE DATE: SEE ABOVE

(Continued from Sheet No. A-12.00)

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LOCALITIES WHERE ELECTRIC SERVICE IS AVAILABLE

Beginning November 29, 2010, all Michigan localities served by the Company became a single Rate Area served under a uniform set of Rate Schedules. The former St. Joseph and Three Rivers Rate Areas are identified below:

Former St. Joseph Rate Area

The former St. Joseph Rate Area consists of all areas served by Indiana Michigan Power Company in the State of Michigan on March 1, 1992. The following communities are located in the St. Joseph Rate Area:

Bangor, Baroda, Benton Harbor, Berrien Springs, Bridgman, Buchanan, Coloma, Eau Claire, Galien, Grand Beach, Hartford, Michiana, New Buffalo, Niles, St. Joseph, Shoreham, Stevensville, Three Oaks, and Watervliet.

The following counties/townships are located in and served by the St. Joseph Rate Area:

BERRIEN COUNTY - all Townships except Bainbridge; CASS COUNTY - all of Howard and Milton Townships and portions of Ontwa, Pokagon, Porter, and Silver Creek Townships; VAN BUREN COUNTY - all of Arlington, Bangor, Covert, Geneva, Hartford, and South Haven Townships and portions of Columbia, Hamilton, Keeler, and Lawrence Townships.

Former Three Rivers Rate Area

The former Three Rivers Rate Area consists of all areas served by Michigan Power Company in the State of Michigan on March 1, 1992. The following communities are located in the Three Rivers Rate Area:

Bloomington, Cassopolis, Constantine, Decatur, Dowagiac, Edwardsburg, Gobles, Jones, Keeler, Lawton, Marcellus, Mattawan, Paw Paw, Portage, Schoolcraft, Three Rivers, Union, Vandalia, Vicksburg, and White Pigeon.

The following counties/townships are located in and served by the Three Rivers Rate Area:

ALLEGAN COUNTY - all of Cheshire Township; BERRIEN COUNTY - only Bainbridge Township; CASS COUNTY - all of Calvin, Jefferson, LaGrange, Marcellus, Mason, Newburg, Penn, Volinia, and Wayne Townships and portions of Ontwa, Pokagon, Porter, and Silver Creek Townships; KALAMAZOO COUNTY - all of Brady, Oshtemo, Pavillion, Prairie Ronde, Schoolcraft, and Texas Townships; ST. JOSEPH COUNTY - all of Constantine, Fabius, Florence, Flowerfield, Lockport, Mottville, Park, Sherman, Sturgis, and White Pigeon Townships; VAN BUREN COUNTY - all of Almena, Antwerp, Bloomington, Paw Paw, Pine Grove, Porter, and Waverly Townships and portions of Columbia, Hamilton, Keeler, and Lawrence Townships.

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FORT WAYNE, INDIANA**

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ABBREVIATIONS, TECHNICAL TERMS AND DEFINITIONS

ABBREVIATIONS

I&M – Indiana Michigan Power Company

kW – Kilowatt(s)

kVA – Kilovolt-ampere(s)

kWh – Kilowatt-hour(s)

MPSC - Michigan Public Service Commission

OAD - Open Access Distribution

PJM – PJM Interconnection, LLC

RKVAH – Reactive Kilovolt-ampere(s) Hour

TECHNICAL TERMS AND DEFINITIONS

“**Alternative Electric Supplier or AES**” – any person that is engaged in the business of supplying electric generation service to customers that take distribution service from 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 (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.

“**Commission**” means the Michigan Public Service 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 for which Customer contracts and Company is obligated to supply.

(Continued on Sheet No. A-17.00)

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

“**Customer**” – An account holder (at least 18 years old or an emancipated minor), corporation, municipality or other government agency which has agreed, orally or otherwise, to pay for electric service from the Company.

“**Customer in Good Standing**” – Customer that has not had service shut off involuntarily for any reason other than safety during the previous twelve months.

“**Delinquent Bill**” – A Customer Bill that has remained unpaid for a period of 5 or more days after the due date.

“**Delivery Charges**” – charges for both customer-related and distribution services including costs for Company facilities required to deliver electric energy from the transmission system to a customer’s premises, including expenses for operation and maintenance of distribution facilities.

“**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 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.

“**Issue date**” means the date the Company files a tariff sheet with the Commission.

“**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.

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“**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.

“**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.

“**Open Access Distribution customer**” – customer receiving Open Access Distribution service from the Company.

“**Open Access Distribution service or OAD**” – optional service where a customer receives certain generation and transmission services from an AES.

“**Other On-Site Sources of Electric Energy Supply**” – shall mean customer owned, controlled or operated power production facilities located at the customer’s site and designed to operate in parallel with the Company’s system.

“**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.

“**Power Supply – Capacity Charges**” – are the retail power supply charges for costs incurred by Company in order to meet its customers’ capacity needs.

“**Power Supply – Non-Capacity Charges**” – are the retail power supply charges for generation and transmission costs that are not included as Capacity Power Supply charges.

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

“**Rate Book**” means the complete set of Company filings submitted in accordance with the “Filing Procedures for Electric, Wastewater, Steam and Gas Utilities”.

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“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.

“Residential Customer” – a customer receiving service for a dwelling unit, defined as one or more rooms including kitchen in a facility 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 the 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 generation, transmission and distribution services from the Company under a Commission approved rate schedule.

“Standard service customer” – customer receiving Standard service from the Company.

“Subtransmission Voltage” – 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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**SECTION C
COMPANY TERMS AND CONDITIONS OF STANDARD SERVICE**

1. APPLICATION

These Terms and Conditions of Standard Service apply to service under the Company's tariffs that provide for Power Supply (generation and transmission), and Delivery (distribution) service. Customers requesting only distribution service from the Company, irrespective of the voltage level at which service is taken, as provided for in the Customer Choice and Electricity Reliability Act, shall be served under the Company's tariffs and the Terms and Conditions of Open Access Distribution Service.

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

A copy of all tariffs and Terms and Conditions of Standard Service is on file with the Michigan Public Service 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 once at the end of each full 12-month period or as specified by tariff or contract, upon written application to 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.

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.

By receiving service under a specific tariff, the customer 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.

When the customer desires delivery of energy at more than one point, a separate agreement will be required for each separate point of delivery. Service delivered at each point of delivery will be billed separately under the applicable tariff. Conjunctive billing and/or aggregate demands are prohibited. Under certain circumstances the Company may have provided two services to fulfill the customer's lighting and power requirements at a single location and the metering for the two services have been combined for billing. Existing such arrangements are explicitly grandfathered until an account change occurs. Once an account change occurs, combined billing of grandfathered multiple meters

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would end. Each point of delivery would then require a separate agreement for each separate point of delivery. For new service/accounts, multiple metering is permitted only for Company convenience

2. BILLS FOR STANDARD ELECTRIC SERVICE

A. General

Bills for electric service will be rendered monthly at intervals of approximately 30 days in accordance with the tariff selected applicable to the customer's service. All bills are rendered as "net" bills and are subject to a late payment charge if the account is delinquent. Late payment charges will be assessed on Residential bills in accordance with Rule 460.122 and on Commercial and Industrial bills in accordance with Rule 460.1614. A late payment charge shall not be assessed against any residential customers who are participating in the winter protection plan as described in Rule 460.148 and Rule 460.149 of the Consumer Standards and Billing Practices for Residential Customers. 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.

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. Pursuant to Rule 460.113, 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, as described in Rule 460.116, the customer will be charged or credited for such period on an estimated consumption based upon energy use during a similar period of like use. Meter errors shall be reconciled in accordance with Rule 460.3309. This estimation shall include adjustments for changes in customer's load during the period the meter was not registering properly. As stated in Rule 460.116 (2), any meter in service that remains broken as determined by a specific test of the meter or that does not correctly register customer usage for a period of 6 months or more shall be removed and customers will not be required to pay bills generated from these meter readings beyond the 6-month period from the date the meter malfunction occurred. This rule does not alter the provisions of Rule 460.3613 governing the testing and replacement of electric meters.

A bill shall be mailed, transmitted, or delivered to the customer not less than 21 days before the due date. Failure to receive a bill properly mailed, transmitted, or delivered by Company does not extend the due date. 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.

B. Non-residential

Billing errors for non-residential accounts shall be rectified as described in Rule 460.1617. If a customer has been overcharged, the utility shall refund or credit the amount of the paid overcharge to the customer. Overcharges shall be credited to customers with 7% interest,

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commencing on the 60th day following payment. The Company is not required to adjust, refund, or credit an overcharge beyond the 3-year period immediately preceding discovery of the billing error, unless the customer is able to present a record establishing an earlier date of occurrence or commencement of the error.

In cases of unauthorized use of utility service, the customer may be back billed for the amount of the undercharge. The back bill may include interest at the same 7% interest rate applied to overcharges.

In cases not involving unauthorized use of utility service, the customer may be back billed for the amount of the undercharge during the 12-month period immediately preceding discovery of the error. The Company shall offer the customer at least the same number of months for repayment equal to the time of the error. The back bill shall not include interest.

C. Residential

Billing errors for residential accounts shall be rectified as described in Rule 460.126. If a customer has been overcharged due to a billing error, the Company shall refund or credit the amount of the paid overcharge plus 7% APR interest on the bill immediately following the discovery of the error. Upon customer request, overcharges greater than \$10 shall be refunded within 30 days. The Company is not required to adjust, refund, or credit an overcharge plus 7% APR interest for more than the 3 years immediately preceding discovery of the billing error, unless the customer is able to establish an earlier date for commencement of the error. The interest on the overcharge shall be applied on the 60th day following the paid overcharge.

If the Company undercharges a customer, the following provisions apply:

In cases that involve unauthorized use of utility service the utility may back bill the customer for the amount of the undercharge using the commission-approved process for estimating the bill. The utility may charge fees for unauthorized use of utility service in accordance with commission-approved tariffs.

In cases that do not involve unauthorized use of utility service, the utility may back bill the customer for the amount of the undercharge during the 12-month period immediately preceding discovery of the error, and the utility shall offer the customer reasonable payment arrangements for the amount of the back bill, which shall allow the customer to make installment payments over a period at least as long as the period of the undercharge. The utility shall take into account the customer's financial circumstances when setting payment amounts.

D. Budget Bill Payment Options

In addition to paying the actual monthly bill amount, Residential customers using electric service with a satisfactory payment history shall have the option of paying bills under one of the Company's two budget billing plans – the Equal Payment Plan (EPP) or the Average Monthly Payment Plan (AMPP), both of which are described below.

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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, as specified in R460.118, if a customer has a credit balance of more than \$10.00 at the end of the period, upon the request of the customer, the utility shall either return the credit balance or credit it to the next month's bill. If the balance is less than \$10.00, the utility shall credit the amount to the customer's account.

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

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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.

3. 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.

Before furnishing service, Company shall require a certificate or notice of approval from a duly recognized authority stating that customer's wiring has been installed in accordance with local and state requirements.

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

4. SERVICE CONNECTIONS

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

The Company reserves the right to make final determination of selection, application, location, routing and design of its service facilities and meter location. If the customer requests special routing of the service facilities and or meter location, the customer will be required to pay the extra cost, if any, resulting from the special routing of service facilities and or meter location.

All customers' 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.

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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.

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 supply and 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 property line to the terminus of cable inside the building.

5. LOCATION AND MAINTENANCE OF COMPANY'S EQUIPMENT

The Company shall have the rights 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 convenient for the purpose, as required to serve the customer. The customer shall keep company equipment clear from obstruction and obstacles including landscaping, structures, etc., and provide suitable space for the installation, repair and maintenance of necessary measuring instruments so that the instruments may be protected from injury by the elements or through negligence or deliberate acts of the customer or any other person who is not an agent or employee of the Company.

When Company facilities are damaged due to customer actions or negligence, the Customer shall be responsible for the costs of repairs.

6. 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.

7. 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. 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

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the Company or any electric system interconnected with the Company, such interruptive action to be taken in accordance with predetermined plan and only in situations that threaten massive curtailments of service on the Company's system.

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 metering device is the property of the Company; however, the meter base and all internal parts inside the meter base are customer owned and are the responsibility of the customer to install and maintain. 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.

The customer shall provide and maintain suitable protective devices on the customer's 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 fluctuation or irregularity in the supply of energy that could have been prevented by the use of such protective devices. . The Company shall not be liable for any damages, whether direct or consequential, including, without limitations, loss of profits, loss of revenue, or loss of production capacity occasioned by interruptions, fluctuations or irregularity in the supply of energy.

The Company is not responsible for loss or damage to customer's property caused by the disconnection or reconnection of service to the customer's facilities. The Company is not responsible for loss or damages to customer's property caused by the theft or destruction of Company facilities by a third party.

The Company will provide and maintain the necessary line or service connections, transformers (when the same are required by conditions of contract between the parties thereto), meters, and other apparatus that 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.

8. 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 Company employees or agents of the Company shall make any internal or external adjustments to, or otherwise interfere with, or break the seals of meters or other Company-owned equipment installed on customer's property.

The Company shall have the right to enter, at all reasonable hours, 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 termination of 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.

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9. 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 other than as provided herein. Service will not be furnished under any tariff 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 a direct per kWh charge shall not be considered resale of service. It shall be understood that upon the expiration of a contract the customer may elect to renew the contract upon the same or another tariff published by the Company available in the locality in which the customer resides or operates and applicable to the customer's requirements. 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 electrical supply under the terms of the tariff elected by the customer.

A customer may not change from one tariff to another during the term of contract except with the consent of the Company or within a reasonable period after a Commission-approved change in tariffs.

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, 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 customer is responsible to provide any timing equipment and timing control signals to operate time differentiated load.

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.

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 of a type equipped with controlling devices approved by the Company. The customer agrees to notify the Company of any increase or decrease in the customer's connected load.

The operation of certain electrical equipment can result in disturbances (e.g., voltage fluctuations, harmonics, etc.) on the Company's transmission and distribution systems that can adversely impact the operation of equipment for other customers. Customers are expected to abide by industry standards, such as those contained in ANSI/IEEE 519 or the IEEE/GE voltage flicker criteria, when operating such equipment. The Company may refuse or disconnect service to customers for using

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electricity or equipment that adversely affects distribution service to other customers. Copies of the applicable criteria will be provided upon request.

The Company will not supply service to customers who have other on-site sources of electric energy supply except under the tariffs that specifically provide for same.

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

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.

10. RESIDENTIAL SERVICE

Individual residences shall be served individually with single-phase service under the appropriate residential tariff. Customer may not take service for three or more separate living units 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 house with a number of individual apartments, the landlord shall have the choice of providing separate wiring for each apartment so that the Company may supply each apartment separately under the residential tariff, or of purchasing the entire service through a single meter under the appropriate general service tariff without submetering the service to the apartments. This central metering provision shall not be permitted for new customers.

In a two-family dwelling the owner may, at the owner's option, take service through a single meter under the residential tariff instead of providing separate wiring for both dwelling units. When service is taken through a single meter, the two-family dwelling will be billed as a single-family residence.

The residential tariff shall cease to apply to that portion of a residence which becomes regularly used for business, professional, institutional, or other gainful purposes or which requires three-phase service. Single-phase motors of 10 HP or less may be served under the appropriate residential tariff. Larger single-phase motors may be served where, in the Company's sole judgment, the existing facilities of the Company are adequate.

Under these circumstances, customer shall have the choice of: (1) separating the wiring so that the residential portion of the premises is served through a separate meter under the residential tariff and the other uses as enumerated above are served through a separate meter or meters under the appropriate general service tariff, or (2) taking the entire service 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.

(Continued on Sheet No. C-10.00)

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11. RESORT SERVICE

Where customers desire electric service for summer homes, summer resort hotels, or other summer resort establishments which are located adjacent to existing distribution lines of the Company and can be served without the extension of primary lines, they shall have the privilege of purchasing all-year service under the applicable all-year tariffs or of purchasing service for less than a full year under the applicable residential or general service tariffs, subject to payment in advance of an amount commensurate with the cost of handling the customer's account, for connection to and disconnection from the Company's lines.

12. EXTENSION OF SERVICE

A. Residential Service

i. Charges

For each permanent, year-round dwelling, the Company will provide a single-phase line extension excluding service drop at no additional charge for a distance of 200 feet. Distribution line extension in excess of the above footage will require an advance deposit of \$3.50 per foot for all such excess footage. There will also be a nonrefundable contribution equal to the cost of right-of-way and clearing on such excess footage. Three-phase extensions, as required to service large developments, will be on the same basis as Commercial and Industrial.

ii. Measurement

The length of any main line distribution feeder extension will be measured along the route of the extension from the Company's nearest facilities from which the extension can be made to the customer's property line. The length of any lateral extension on the customer's property shall be measured from the customer's property line to the service pole. Should the Company for its own reasons choose a longer route; the applicant will not be charged for the additional distance; however, if the customer requests special routing of the line, the customer will be required to pay the extra cost resulting from the special routing.

iii. Refunds

During the five-year period immediately following the date of payment, the Company will make refunds of the charges paid for a financed extension under provisions of paragraph (i) above. The amount of any such refund shall be \$165 for each permanent electric service subsequently connected directly to the facilities financed by the customer. Directly connected include any amount of contribution in aid of construction for underground service made under customers are those that do not require the construction of more than 100 feet of lateral primary distribution line. Such refunds will be made only to the original depositor and will not

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include any amount of contribution in aid of construction for underground service made under the provisions of the Company's underground service policy as set forth in this section. The total refund shall not exceed the refundable portion of the contribution.

B. Commercial or Industrial Service

i. Company Financed Extensions

Except for contributions in aid of construction for underground service made under the provisions of Item 13, C of these rules, the Company will finance the construction cost necessary to extend its facilities to serve commercial or industrial customers when such investment does not exceed two times the annual capacity power supply and delivery charge revenue anticipated to be collected from customers initially served by the extension.

ii. Charges

When the estimated cost of construction of such facilities exceeds the Company's maximum initial investment as defined in paragraph (i), the applicant shall be required to make a deposit in the entire amount of such excess construction costs. Owners or developers of mobile home parks shall be required to deposit the entire amount of the estimated cost of construction, subject to the refund provisions of paragraph (iii).

iii. Refunds

That portion of the deposit related to the difference in the cost of underground construction and the equivalent overhead facilities shall be considered nonrefundable. This amount shall be determined under the applicable provisions of the Company's underground service policy as set forth in this section.

The Company will make refunds on remaining amounts of deposits collected under the provisions of paragraph (ii) above in cases where actual experience shows that the capacity power supply and delivery charge revenues supplied by the customer are sufficient to warrant a greater initial investment by the Company. Such refunds shall be computed as follows:

(1) Original Customer

At the end of the first complete 12-month period immediately following the date of initial service, the Company will compute a revised revenue credit based on two times the actual capacity power supply and delivery charge revenue provided by the original customer in the 12-month period. Any amount by which twice the actual annual capacity power supply and delivery charge revenue exceeds the Company's initial revenue estimate will be made available for refund to the customer; no such refund shall exceed the amount deposited under provisions of paragraph (ii) above.

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- (2) Refunds for additional new customers directly connected to the financed extension during the refund period will be governed by Section 12, A, iii.

iv. Loads of Uncertain Duration

When, in the opinion of the Company, the permanence and continuance of the customer's load is questionable, the Company may require the applicant to make an advance deposit for line construction or service to cover the Company's costs of extending its electric lines and furnishing and installing necessary transformation, metering and protective equipment to supply electricity to the customer's premises. The advance deposit with the Company will be made up of two components (1) the estimated cost of constructing the facilities to serve the customer, including labor, material, stores freight and handling expenses, and a charge for overhead, plus (2) the estimated cost of removing said facilities and returning the materials to the Company storeroom, minus the estimated value of salvaged materials to be returned to storeroom at the end of the electrical service.

Any customer making an advance deposit under this section is eligible for a rebate of the monies advanced under (1) of the preceding paragraph, beginning with the first full billing month for full operation of the customer's facility and ending with the 24th consecutive month thereafter. The rebate will be 40% of the monthly electric service paid by the customer. The total amount of all rebates shall not exceed the amount of the monies advanced under (1) of the preceding paragraph. In addition, following the continuous use of electric service for twenty-four (24) months, any monies held by the Company will be promptly refunded to the customer. The Company, at its discretion, may accept a letter of credit or performance bond, payable to the Company, in lieu of an advance deposit.

C. General

The Company will extend its lines to serve domestic customers and farm customers for year-round service under applicable tariffs subject to the following conditions:

- i. Extensions hereunder shall be built by the Company in accordance with its construction standards and shall be single phase unless the Company elects to build polyphase lines.
- ii. 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

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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.

13. UNDERGROUND ELECTRIC LINES

A. General

In case of all direct burial underground extensions of electric distribution facilities as covered by conditions as set forth in this Section 13, the real estate developer or customer shall make a nonrefundable contribution in aid of construction to the Company in an amount equal to the estimated difference in cost between overhead and direct burial underground facilities. "Distribution facilities" means those operated at 20,000 volts or less to ground for wye connected systems and 20,000 volts or less for delta connected systems. Charges in this Section 13 are in addition to any charges that may be required in Section 12 for equivalent overhead facilities.

B. Residential

i. In Subdivisions

(1) Distribution Facilities

The distribution system in a new residential subdivision and an existing residential subdivision in which electric distribution facilities have not already been constructed shall be placed underground, except that a lot facing a previously existing street or county road and having an existing overhead distribution line on its side of the street or county road shall be served with an underground service from these facilities and shall be considered a part of the underground service area.

The owner or developer of such shall be required to make a nonrefundable contribution in aid of construction to the Company, for direct burial underground distribution facilities, in an amount equal to the sum of the lot front-foot measurement multiplied by \$ 4.50, which amount shall be considered to be the difference in cost between overhead and direct burial underground distribution facilities.

The front-foot measurement of each lot to be served by a residential underground distribution system shall be made along the contour of the front lot line. The front lot line is that line which usually borders on or is adjacent to a street.

However, when streets border on more than one side of a lot, the shortest dimension shall be used. In case of a curved lot line that borders on a street or streets and represents at least two sides of the lot, the front-foot measurements shall be considered as one-half the total measurement of the curved lot line. Where a lot is served by an underground service

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from an overhead distribution line, the lot front-foot measurement shall be deleted. The construction provided for in the \$ 4.50 per lot front-foot contribution in aid of construction includes the extension of electric underground distribution facilities to the lot line of each lot in the subdivision.

The use of the lot front-foot measurement in these rules shall not be construed to require that the underground electric distribution facilities be placed on the front of the lot.

(2) Service Facilities

The Company shall install, own, and maintain the service line from the property line to the customer's meter. For normal installation of the service line, the developer or customer shall make a nonrefundable contribution in aid of construction to the Company in an amount equal to \$6.00 per trench foot.

ii. Outside of Subdivisions

(1) Distribution Facilities

The customer located outside of subdivisions shall be required to make a nonrefundable contribution in aid of construction to the Company in an amount equal to the estimated total difference in cost between overhead and underground construction costs.

(2) Service Facilities

For normal installation of the service line, the customer shall make a nonrefundable contribution in aid of construction to the Company in an amount equal to \$6.00 per trench foot.

iii. Mobile Home Parks, Condominiums and Apartment House Complexes

The distribution and service facilities for new and existing mobile home parks, condominiums, and apartment house complexes in which electric facilities have not already been constructed shall be placed underground.

The owner or developer of such mobile home parks, condominiums, and apartment house complexes shall be required to make a nonrefundable contribution in aid of construction to the Company for distribution facilities in an amount equal to \$4.50 per trench foot and service facilities in an amount equal to \$12.25 per trench foot and \$11.25 per kVA for transformers (installed). Owners or developers of mobile home parks shall be required to deposit the entire amount of the estimated cost of construction, subject to the refund provisions of Section 12 B (iii).

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C. Commercial and Industrial

Commercial distribution and service lines in the vicinity of the customer's property and constructed solely to serve a customer or group of adjacent customers shall be placed underground. This will specifically include, but not be limited to, service to shopping centers. Industrial distribution and service lines shall be placed underground at the option of the customer. The developer or customer shall be required to make a nonrefundable contribution in aid of construction to the Company for the following facilities which amount shall be considered to be the difference in cost between overhead and direct burial underground facilities:

- i. Distribution facilities - Single-phase - \$4.50 per trench foot.
Three-phase - \$3.00 per trench foot.
- ii. Transformers - Single-phase - \$8.00 per kVA (installed).
Three-phase - \$12.50 per kVA (installed).
- iii. Service, as this term is generally understood in the electric utility field, (on customer's property) - Single-phase - \$8.00 per trench foot. Three-phase - \$12.50 per trench foot.

D. Plug-in Electric Vehicle (PEV) Extensions

Company sponsored programs to promote PEV charging equipment may reduce or suspend Contribution In Aid to Construction (CIAC) of standard overhead and underground construction costs for service to stand-alone PEV charging equipment installations. This does not include non-standard items such as directional bore, push bore, hand dig or placement of conduit except upon Company preference.

E. Special Conditions

Where practical difficulties exist, such as water conditions, rock near the surface, or where there are requirements for deviation from the Company's construction standards such as directional boring, the per foot charges in B and C will not apply, and the contribution in aid of construction will be equal to the estimated difference in cost between overhead and underground facilities but not less than the charge calculated under B and C.

An additional amount of \$1 per foot shall be added to the trenching charges for the practical difficulties associated with winter construction in the period from December 15 to March 31, inclusive. This charge will not apply to jobs that are ready for construction and for which the construction meeting has been held prior to November 1.

F. Replacement of Existing Overhead Electric Facilities

Existing overhead residential, commercial, and industrial electric distribution and service lines shall be replaced with underground facilities at the option of the affected customer or customers. Before construction is started, the customer shall be required to pay the Company the depreciated cost (net cost) of the existing overhead facilities plus the cost of removal less the salvage value thereof and, also, make a nonrefundable contribution in aid of construction in an amount equal to the estimated difference in cost between new underground and new overhead facilities including, but not limited to, the costs of breaking and repairing streets, walks, parking lots, and driveways, repairing lawns, and replacing grass, shrubs, and flowers.

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14. 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 except in cases of large construction projects and the customer has notified the Company of the need to extend this timeframe. 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. In no case shall revenue credits apply to cover costs associated with temporary service. The Company reserves the right to require a written contract for temporary service, at its option.

15 DENIAL OR DISCONTINUANCE OF SERVICE

Pursuant to Rules 460.136, 460.137, and 460.1625, the Company reserves the right to shutoff service to any customer without notice, in case of an emergency or to prevent fraud upon the Company. Additional shutoff of service rules applicable to nonresidential service are set forth in the MPSC Rules in Part 7 of the Billing Practices Applicable to Non-Residential Electric and Gas Customers, as referenced herein, and are set forth, as applicable, to residential service in Part 8 of the Consumer Standards and Billing Practices for Electric and Gas Residential Service, as referenced herein.

Any shutoff of service shall not terminate the contract between the Company and the customer nor shall it abrogate any minimum charge that may be effective.

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

- (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.

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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.

16. SPECIAL SERVICE CHARGES.

The following schedule reflects the amounts to be charged for the special services stipulated. The Company will endeavor to comply with customer requested work subject to a minimum of three days prior notification and / or manpower availability.

SCHEDULE OF CHARGES	AMOUNT
1. Reconnect during regular business hours.	\$78.13
2. Reconnect during workday overtime hours and all day Saturday.	\$93.00
3. Reconnect on Sundays or holidays.	\$177.00
4. Trip charge where Company employees are sent to customer premises to specifically notify the customer that bill payment is due.	\$33.00
5. Disconnect trips where notification is left for the customer at the premises because of access or other issue , or the customer signs a Company form agreeing to make payment by the end of business the same day and no disconnect is made.	\$41.00
6. Reconnect when disconnect is required to be made from a vault, manhole, or service box.	\$732.19
7. Reconnect when disconnect is required to be made at pole during regular business hours.	\$97.50
8. Reconnect when disconnect is required to be made at pole during workday overtime hours and all day Saturday.	\$132.00
9. Reconnect when disconnect is required to be made at pole on Sunday or holidays.	\$245.00
10. Trip charge for no-power service call when the customer's facilities are clearly at fault or for scheduled work and customer is not ready and the customer was advised of the charge.	\$42.81
11. Meter test or change when charge is permitted in accordance with the provision of MPSC Consumer Standards and Billing Practice Rules.	\$39.06
12. Customer's check returned for nonsufficient funds.	\$20.00

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**17. AUTOMATED METER INFRASTRUCTURE (AMI) METER OPT OUT TARIFF PROVISION
(RESIDENTIAL ONLY)**

Customers served on residential tariffs RS, RS-TOD, RS-OPES/PEV, RS-TOD2, and RS-SC have the option to choose to retain or receive an Automated Meter Reading (AMR) meter.

In order for a customer to be eligible to receive an AMR meter, the customer shall have no documented instances, within the past 24 months, of known unauthorized use, theft, or fraud. Further, the customer will have zero instances of threats of violence toward Company employees or its agents.

Customers selecting an AMR meter shall pay the following charges per premise:

I&M Michigan Residential Customer AMI Opt-Out Charges		
Up Front Charge:	\$80.30	A one-time charge per meter, when the request is received after the AMI meter is installed
Monthly Charge:	\$9.75	Per month at each premise

Customers electing this provision will not be able to access the benefits of having an AMI meter. All charges and provisions of the customer's applicable tariff shall apply.

18. 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 and the cost of making repairs necessitated by such use and/or tampering, plus a charge of \$50 per occurrence. Under such circumstances, the Company will institute the procedures outlined in the Consumer Standards and Billing Practice Rules.

19. CUSTOMER OWNED EQUIPMENT TROUBLESHOOTING.

When requested by the customer to investigate any problems with customer owned equipment that is connected to the Company's system, such as a generator, transformer, or other unique customer-owned facilities, the Company will conduct investigations at no charge to the customer. Company will make all reasonable attempts to resolve any problems when the Company is found to be at fault. If the customer owned equipment is found to be at fault, 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 incurred.

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20 VOLTAGES

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

Secondary		Primary	
Single Phase	Three Phase	Single Phase	Three Phase
120/240 Volts	120/208 Volts	2400 Volts**	4160/2400 Volts**
120/208 Volts	120/240 Volts*	7200 Volts	12470/7200 Volts
480 Volts	277/480 Volts	19950 Volts	34500/19950 Volts
	480 Volts*		
* Not available when supplied from 34500/19950 primary distribution systems.			
** Limited to existing 4160/2400 volt distribution systems or from a dedicated subtransmission or transmission station.			

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

Subtransmission	Transmission
Three Phase	Three Phase
34.5 kV	138 kV
69 kV	345 kV
	765 kV

Voltages listed above are not available at all locations. The Company must be consulted regarding their availability at any particular location.

21. TAX ADJUSTMENT AND FRANCHISE FEES

Bills to customers receiving service within the limits of political subdivisions which levy special license fees, franchise fees or any other such fee against the Company or its operation or the production or sale of electric energy shall be increased by a uniform per meter surcharge calculated on an annual basis to offset such special fee or any new or increased special fee, thereby preventing other customers from being compelled to share such local fees.

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22. DATA PRIVACY POLICY

Definition of Data Privacy Policy Terms

A. Types of Data:

- a. **"Customer Data"** means any combination of Personal Data, Customer Account Information, and Consumption Data.
 - i. **"Personal Data"** means information collected or known by the Company that merit special protection including the standard types of personal identification information used to establish an account. Personal Data is limited to name and address in conjunction with birth date, telephone number, electronic mail address, Social Security Number, financial account numbers, driver's license number, credit reporting information, bankruptcy or probate information, health information, network, or Internet protocol address.
 - ii. **"Consumption Data"** means customer specific electric usage data, or weather adjusted data, including but not limited to kW, kWh, voltage, var, power factor, and other information that is recorded by the electric meter for the Company and stored in its systems. Consumption Data also includes payment and service history, account number, and amount billed.
 - iii. **"Customer Account Information"** means personally identifiable information including Personal Data and Consumption Data. Customer Account Information also includes information received by the Company from the customer for purposes of participating in regulated utility programs, including, but not limited to bill pay assistance, shutoff protection, renewable energy, demand-side management, load management, or energy efficiency.
- b. **"Aggregated Data"** means any Customer Data the Company assembles and compiles into an aggregated data set from multiple individuals, residences, tenants or commercial buildings.
- c. **"Anonymized Data"** means any Customer Data, from which all identifying information has been removed so that the individual data or information of a customer cannot be associated with that customer without extraordinary effort.
- d. **"Weather Adjusted Data"** means electric consumption data for a given period that has been normalized using stated period's heating or cooling degree days.

B. **"Contractor"** means an entity or person performing a function or service under contract with or on behalf of the Company, including customer service, demand response, energy efficiency programs, payment assistance, payroll services, bill collection, or other functions related to providing electric service.

C. **"Customer"** means an account holder (at least 18 years old or an emancipated minor), corporation, municipality or other government agency, which has agreed, orally or otherwise, to pay for electric service from the Company.

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- D. **"Informed Customer Consent"** means, in the case where consent is required: (1) the Customer is provided with a clear statement of the data or information to be collected and allowable uses of that data or information by the party seeking consent; (2) the frequency of data or information release and the duration of time for which the consent is valid; and (3) process by which the Customer may revoke consent. In no case shall silence by the Customer ever be construed to mean express or implied consent to a request by the Company, or its Contractors. Customer consent shall be provided directly from the Customer and documented in writing, subject to forms and processes as defined by the Company.
- E. **"Primary Purpose"** means the collection, use, or disclosure of information collected by the Company or supplied by the Customer in order to: (1) provide, bill, or collect for, regulated electric service; (2) provide for system, grid, or operational needs; (3) provide services as required by state or federal law or as specifically authorized by an order of the Commission; (4) plan, implement, or evaluate programs, products or services related to energy assistance, demand response, energy management, energy efficiency, or renewable energy by the Company or under contract with the Company, under contract with the Commission, or as part of a Commission-authorized program conducted by an entity under the supervision of the Commission, or pursuant to state or federal statutes governing energy assistance; and (5) disclosure of customer name and address to a provider of appliance repair services in compliance with MCL 460.10a(9)(a), or to otherwise comply with the Code of Conduct.
- F. **"Secondary Purpose"** means any purpose that is not a Primary Purpose.
- G. **"Standard Usage Information"** means the usage data that is made generally available by the Company to all similarly situated Customers on a regular basis, delivered by the Company on the Company's website through a data portal, email or by US Mail.
- H. **"Third-party"** means a person or entity that has no contractual relationship with the Company to perform services or act on behalf of the Company.
- I. **"Written Consent"** means a signed form with the customer's signature received by the Company through mail, facsimile, or email. A customer may also digitally sign a form that is transmitted to the Company.

General Company Data Privacy Policy

The Company shall collect and manage Customer Data in providing utility service to its Customers. The Company shall take appropriate measures to protect this data in its possession against loss, theft, and unauthorized access. The Company shall not release Customer Data to Third Parties without Informed Customer Consent, with exception of those customers availing themselves to social service agencies. The Company may provide Customer Data to its Contractors; however, the Contractor must be contractually bound to maintain the confidentiality of the individual customer energy usage/billing data.

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(Continued from Sheet No. C-21.00)

Collection and Use of Customer Data

1. The Company or its Contractor collects Customer Data as necessary to accomplish Primary Purposes.
2. The Company may collect and use Customer Data for Primary Purposes without Informed Customer Consent.
3. Informed Customer Consent is necessary before use or disclosure of Customer Account Information, Consumption Data, and Personal Data for Secondary Purposes.
4. The Company will not sell Customer Data unless the Company receives Informed Customer Consent or Commission consent, except in connection with sales of certain aged account receivables to collection firms for purposes of removing this liability from Company accounts.
5. The Customer may request that Consumption Data specific to the Customer be released to the Customer or a Third Party of the Customer's choice. Such requests may be made by calling the Company's Customer Operations Center at 1-800-311-6424 or by requesting such online at the Company's website www.indianamichiganpower.com. The Customer calling with the request must be listed on the Customer's account and be able to authenticate their identity.
6. The Company shall not release Customer Data to Third Parties without Informed Customer Consent. A written consent form can be obtained by calling the Company's Customer Operations Center, accessing the Company's website or following this [LINK](#). Once completed by the Customer, the written consent form can be submitted to the Company's Customer Service personnel by email at inforelease@aep.com, fax at 1-800-281-3916 or U.S. mail. The written consent form will be activated for use by the Company on the first business day following receipt of the form. Once the Company receives Informed Customer Consent from the Customer, the Company is not responsible for loss, theft, alteration, or misuse of the data by Third Parties or Customers after the information has been transferred to the Customer or the Customer's designated Third Party.

Disclosure without Informed Customer Consent

1. The Company shall disclose Customer Data when required by law or Commission rules. This includes law enforcement requests supported by warrants or court orders, and judicially enforceable subpoenas. The provision of such information will be reasonably limited to the amount authorized by law or reasonably necessary to fulfill a request compelled by law.
2. The Company may disclose Customer Data in the context of a business transaction such as an asset sale or merger to the extent permitted by law.
3. Written Consent is not required for the Company's disclosure of a customer list to a program or service provider of an unregulated value-added program or service in accordance with MCL § 460.10ee.

(Continued on Sheet No. C-23.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

(Continued from Sheet No. C-22.00)

4. Written Consent is not required for the Company's disclosure of Aggregated or Anonymized Data.

Disclosure to Contractors

1. The Company shares Customer Data with the Company's Contractors working on behalf of the Company for Primary Purposes only, without obtaining Informed Customer Consent.
2. Contracts between the Company and its Contractors specify that all Contractors are held to the same confidentiality and privacy standards as the Company, its employees, and its operations. These contracts also prohibit Contractors from using any information supplied by the Company for any purpose not defined in the applicable contract.
3. The Company requires its Contractors who maintain Customer Data to implement and maintain reasonable data security procedures and practices appropriate to the private nature of the information received. These data security procedures and practices shall be designed to protect the Customer Data from unauthorized access, destruction, use, modification, or disclosure. The data security procedures and practices adopted by the Contractor shall meet or exceed the data privacy and security policies and procedures used by the Company to protect Customer Data.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

SECTION D

STANDARD SERVICE AND OPEN ACCESS DISTRIBUTION SERVICE TARIFFS

INDIANA MICHIGAN POWER COMPANY

**SCHEDULE OF TARIFFS
GOVERNING THE SALE OF ELECTRICITY
IN THE COMPANY'S SERVICE AREA**

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS
(Residential Electric Service)**

Availability of Service

Available for residential electric service through one meter to individual residential customers including rural residential customers engaged principally in agricultural pursuits.

Monthly Rate (Tariff Codes 015, 016 and 820)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$)	--	--	7.25	7.25
Energy Charge (¢ per kWh)	3.190	8.185	3.142	14.517

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers.

Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

Minimum Charge

This tariff is subject to a minimum monthly charge equal to the monthly service charge and all applicable riders

Low Income Service Charge Provision – Allows for 100% reduction of service charge for eligible low-income customers.

Available to customers who qualify for Tariff RS that have a household income not to exceed 150 % of the poverty level, as published by the United States Department of Health and Human Services or who receive any of the following:

- (a) Assistance from a state emergency relief program.
- (b) Food stamps.
- (c) Medicaid.

The Company reserves the right to verify eligibility. This provision is not available for alternate or seasonal homes. This provision is subject to the service charge as stated below.

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Low Income Service Charge	--	--	0.00	0.00

(Continued on Sheet No. D-3.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS
(Residential Electric Service)**

(Continued From Sheet No. D-2.00)

Storage Water-Heating Provision

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

If the customer installs a Company-approved storage water-heating system that consumes electrical energy only during off-peak hours as 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 the Storage Water-Heating Energy Charge.
- 013 (b) For Minimum Capacity of 100 gallons, the last 400 kWh of use in any month shall be billed at the Storage Water-Heating Energy Charge.
- 014 (c) For Minimum Capacity of 120 gallons or greater, the last 500 kWh of use in any month shall be billed at the Storage Water-Heating Energy Charge.

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Storage Water-Heating Energy Charge (¢ per kWh)	0.762	2.689	3.140	6.591

The above rates are available to Standard Service customers only.

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 "Monthly Rate" as set forth above.

For purposes of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

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 judgement the availability conditions of this tariff are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Service Charge as stated in the above monthly rate and all applicable riders.

(Continued on Sheet No. D-4.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS
(Residential Electric Service)**

(Continued From Sheet No. D-3.00)

Load Management Water-Heating Provision (Tariff Code 011)

This provision is closed except for the present installations of current customers receiving service at premises served prior to January 1, 2002.

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 the Load Management Water-Heating Energy Charge.

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Load Management Water-Heating Energy Charge (¢ per kWh)	0.762	2.689	3.140	6.591

The above rates are available to Standard Service customers only.

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 "Monthly 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, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

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 judgement 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.

This provision is subject to the Service Charge as stated in the monthly rate and all applicable riders.

Space-Heating Provision

When service is supplied to a residence that has permanently installed electric-heating equipment as the primary source of space heating, all kWh used during the billing months of November through May (exclusive of storage or load management water-heating kWh) shall be billed at the Space-Heating Energy Charge.

~ Space-Heating Energy Charge	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
(¢ per kWh)	2.696	8.185	3.142	14.023

The above rates are available to Standard Service customers only.

This provision is subject to the Service Charge as stated in the above monthly rate and all applicable riders.

(Continued on Sheet No. D-5.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS
(Residential Electric Service)**

(Continued From Sheet No. D-4.00)

Delayed Payment Charge

A delayed payment charge of 2% of the unpaid balance shall be added to any delinquent bill as set forth in Rule 460.122 of the MPSC Rules. The due date shall be 21 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term of Contract

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 1, 9, and/or 12 of the Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

Special Terms And Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

This tariff is available for single-phase service only. Where three-phase power service is required and/or where motors or heating equipment are used for commercial or industrial purposes, the applicable power tariff will apply to such power service.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers with Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS-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, who take Standard Service from the Company.

Monthly Rate (Tariff Code 030)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$)	--	--	9.15	9.15
Energy Charge (¢ per kWh):				
For all on-peak kWh used	5.108	12.798	3.140	21.046
For all off-peak kWh used	0.762	2.689	3.140	6.591

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

Minimum Charge

This tariff is subject to a minimum charge equal to the monthly service charge and all applicable riders.

Delayed Payment Charge

A delayed payment charge of 2% of the unpaid balance shall be added to any delinquent bill as set forth in Rule 460-122 of the MPSC rules. The due date shall be 21 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

(Continued on Sheet No. D-7.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS-TOD
(Residential Time-of-Day Service)**

(Continued From Sheet No. D-6.00)

Term of Contract

A written agreement may, at the Company's option, be required to fulfill the provisions of Item 1, 9, and/or 12 of the Terms and Conditions of Standard Service.

Special Terms And Conditions

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

This tariff is available for single-phase service only. Where three-phase power service is required and/or where motors or heating equipment are used for commercial or industrial purposes, the applicable power tariff will apply to such power service.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

TARIFF RS-OPES
(Residential Off-Peak Energy Storage)

Availability of Service

Available to customers eligible for Tariff RS (Residential Service) who use energy storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space-heating equipment 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, who take Standard Service from 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 on-peak and off-peak billing periods.

Monthly Rate (Tariff Code 032)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$)	--	--	9.15	9.15
Energy Charge (¢ per kWh):				
For all on-peak kWh used	5.108	12.798	3.140	21.046
For all off-peak kWh used	0.762	2.689	3.140	6.591

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

Thermal Storage Equipment Conservation and Load Management Credit

For the combination of an approved electrical thermal storage space-heating system and water heater, both of which are designed to consume electrical energy only during the off-peak billing period as previously described in this tariff, each residence will receive a generation credit of 0.00¢ for all off-peak kWh used, for a total of 60 monthly billing periods following the installation and use of these devices in such residence.

Minimum Charge

This tariff is subject to a minimum monthly charge equal to the monthly service charge and all applicable riders.

Separate Metering Provision

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

Delayed Payment Charge

A delayed payment charge of 2% of the unpaid balance shall be added to any delinquent bill as set forth in Rule 460-122 of the MPSC rules. The due date shall be 21 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

(Continued on Sheet No. D-9.00)

ISSUED
BY TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359

**TARIFF RS-OPES
(Residential Off-Peak Energy Storage)**

(Continued from Sheet No. D-8.00)

Term of Contract

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 1, 9, and/or 12 of the Terms and Conditions of Standard Service.

Special Terms and Conditions

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

The Company reserves the right to inspect at all reasonable times the energy storage and load management devices which qualify the residence for service, for conservation and load management credits, 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 judgement the availability conditions of this tariff are being violated, it may discontinue billing the customer under this tariff and commence billing under the appropriate Residential Service Tariff.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS-PEV
(Residential Plug-In Electric Vehicle)**

Availability of Service

Available to customers eligible for Tariff RS (Residential Service) who use Plug-In Electric Vehicles (PEV) and take Standard Service from the Company.

The customer can select from three billing options, all of which include metering 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.

Monthly Rate

Option 1 – Whole Residence Time-of-Day (Tariff Code 057): All household usage shall be metered through one single phase, multi-register meter capable of measuring electrical energy consumption during on-peak and off-peak billing periods. A second informational meter will be installed that is capable of separately identifying PEV usage. All kWh usage (both PEV and non-PEV) will be billed at the following Monthly Rates which are the same as Tariff RS-TOD Monthly Rates.

Option 2 – Separately Metered PEV Time-of-Day (Tariff Code 058): An additional single phase, multi-register meter capable of measuring electrical energy consumption during on-peak and off-peak billing periods will be installed to separately measure PEV kWh usage from all other kWh usage at the residence. PEV kWh usage will be billed at the following Monthly Rates which are the same as Tariff RS-TOD Monthly Rates and all other kWh usage will be billed at Tariff RS Monthly Rates.

Option 1 and Option 2 Rates	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$)	--	--	9.15	9.15
Energy Charge (¢ per kWh):				
For all on-peak kWh used	5.108	12.798	3.140	21.046
For all off-peak kWh used	0.762-	2.689	3.140	6.591

For the purpose of options 1 and 2, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

Option 3 – Submetered PEV Time-of-Day (Tariff Code 059): A standard meter will measure total residence kWh usage and an additional submeter capable of measuring electrical energy consumption during on-peak and off-peak billing periods will be installed to separately measure PEV kWh usage only. Total residence usage will be billed at Tariff RS Monthly Rates. For all off-peak PEV kWh usage an additional Power Supply Capacity credit will apply as follows:

Option 3 Off-peak PEV Credit	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Credit for all off-peak PEV kWh	-2.871	-0.818	-2.828	-6.517

For the purpose of option 3 under this tariff, the off-peak billing period is defined as 11p.m. to 6 a.m. local time.

(Continued on Sheet No. D-11.00)

ISSUED
BY TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR BILLS RENDERED ON AND
AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359

**TARIFF RS-PEV
(Residential Plug-In Electric Vehicle)**

(Continued from Sheet No. D-10.00)

For the first 250 customers that select either Option 1 or Option 3, above, there will be no charge for the second informational meter under Option 1 or the additional submeter under Option 3. For all customers after the first 250 customers, an additional service charge of \$2.75 per month shall apply.

Pilot Incentive Rebate.

Customers participating in this tariff may be eligible to receive a one-time enrollment rebate of \$500 for wiring and EV charger with proof of qualifying PEV purchase after the start date of this program. Incentives are limited to the IM Plugged In spending cap approved by the Commission.

Minimum Charge

This tariff is subject to a minimum monthly charge equal to the monthly service charge(s). The second meter charge of \$2.75 is waived for option 3 when monthly PEV use is 250 kWh or greater. Riders will be charged on metered usage except that measured on the PEV submeter. Delayed Payment Charge

A delayed payment charge of 2% of the unpaid balance shall be added to any delinquent bill as set forth in Rule 460-122 of the MPSC rules. The due date shall be 21 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term of Contract

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 1, 9, and/or 12 of the Terms and Conditions of Standard Service.

(Continued on Sheet No. D-12.00)

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

**EFFECTIVE FOR BILLS RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS-PEV
(Residential Plug-In Electric Vehicle)**

(Continued from Sheet No. D-11.00)

Special Terms and Conditions

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

The Company reserves the right to inspect at all reasonable times the devices which qualify the residence for service and for any program incentives under this tariff. If the Company finds that in its sole judgement the availability conditions of this tariff are being violated, it may discontinue billing the customer under this tariff and commence billing under the appropriate Residential Service Tariff.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

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

**EFFECTIVE FOR BILLS RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF R.S. – TOD2
(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, who take Standard Service from the Company. Availability is restricted to the first 300 customers applying for service under this tariff.

Monthly Rate (Tariff Codes 021)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$)	--	--	9.15	9.15
Energy Charge (¢ per kWh):				
High Cost Hours (P2)	10.538	8.036	3.144	21.718
Low Cost Hours (P1)	2.571	8.036	3.144	13.751

Billing Hours.

Months	Low Cost Hours (P1)	High Cost Hours (P2)
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.

Delayed Payment Charge

A delayed payment charge of 2% of the unpaid balance shall be added to any delinquent bill as set forth in Rule 460-122 of the MPSC rules. The due date shall be 21 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

(Continued on Sheet No. D-14.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

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

(Continued from Sheet No. D-13.00)

Term of Contract

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 1, 9, and/or 12 of the Terms and Conditions of Standard Service.

Special Terms And Conditions

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

This tariff is available for single-phase service only. Where three-phase power service is required and/or where motors or heating equipment are used for commercial or industrial purposes, the applicable power tariff will apply to such power service.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS-SC
(Optional Residential Senior Citizen)**

Availability of Service

Available to qualified customers desiring service for residential uses which include only those purposes, which are usual in individual private family dwellings or separately metered apartments and in the usual appurtenant buildings served through the residential meter who take Standard Service from the Company. This rate is not available for commercial or industrial service, for resale purposes, or for alternate residence. To qualify for this rate, the customer must be 65 years of age and head of the household.

The optional rate is not available for an alternate or seasonal home and the customer shall contract to remain on this rate for at least 12 months.

Monthly Rate (Tariff Codes 023)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$)	--	--	3.63	3.63
Energy Charge (¢ per kWh):				
For the first 300 kWh used per month	0.762	2.689	3.502	6.953
For the next 600 kWh used per month	2.696	8.185	3.504	14.385
For all kWh over 900 used per month	13.438	24.673	3.510	41.621

Minimum Charge

This tariff is subject to a minimum monthly charge equal to the monthly service charge and all applicable riders.

Storage Water-Heating Provision

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

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

(Continued on Sheet No.D-16.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF RS-SC
(Optional Residential Senior Citizen)**

(Continued From Sheet No. D-15.00)

<u>Tariff Code</u>	
024	For Minimum Capacity of 80 gallons, the last 300 kWh of use in any month shall be billed at the Storage Water-Heating Energy Charge.
025	For Minimum Capacity of 100 gallons, the last 400 kWh of use in any month shall be billed at the Storage Water-Heating Energy Charge.
026	(c) For Minimum Capacity of 120 gallons or greater, the last 500 kWh of use in any month shall be billed at the Storage Water-Heating Energy Charge.

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Storage Water-Heating Energy Charge (¢ per kWh)	0.762	2.689	3.140	6.591

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 "Monthly Rate" as set forth above.

For purposes of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

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 judgement the availability conditions of this tariff are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Service Charge as stated in the above monthly rate and all applicable riders.

Load Management Water-Heating Provision (Tariff Code 027)

This provision is closed except for the present installations of current customers receiving service at premises served prior to January 1, 2002.

(Continued on Sheet No. D-17.00)

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**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
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**TARIFF RS-SC
(Optional Residential Senior Citizen)**

(Continued From Sheet No. D-16.00)

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 the Load Management Water-Heating Energy Charge.

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Load Management Water-Heating Energy Charge (¢ per kWh)	0.762	2.689	3.140	6.591

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 "Monthly 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, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

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 judgement 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.

This provision is subject to the Service Charge as stated in the above monthly rate and all applicable riders.

Delayed Payment Charge

A delayed payment charge of 2% of the unpaid balance shall be added to any delinquent bill as set forth in Rule 460-122 of the MPSC rules. The due date shall be 21 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

(Continued on Sheet No. D-18.00)

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BY TOBY L. THOMAS
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**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
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**TARIFF RS-SC
(Optional Residential Senior Citizen)**

(Continued From Sheet No. D-17.00)

Term of Contract

Contracts under this tariff will be made for a minimum of 12 months.

Special Terms And Conditions

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

This tariff is available for single-phase service only. Where three-phase power service is required and/or where motors or heating equipment are used for commercial or industrial purposes, the applicable power tariff will apply to such power service.

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
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DATED
IN CASE NO. U-20359**

**TARIFF GS
(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 demands exceeds 1,500 kW.

Monthly Rate

Tariff Codes	Voltage	Power Supply		Delivery	Total
		Capacity	Non-Capacity		
215, 218 & 840	Secondary				
	Service Charge (\$)				
	Customers w/o Demand Meter	--	--	6.25	6.25
	Customers with Demand Meter	--	--	17.45	17.45
	Demands Greater Than 10 kW (\$ per kW)	1.27	3.02	8.14	12.43
	First 4,500 kWh (¢ per kWh)	2.832	6.639	1.934	11.40 5
	Over 4,500 kWh	2.33 3	7.046	-0-	9.379
217 & 841	Primary				
	Service Charge (\$)	--	--	165.00	165.00
	Demands Greater than 10 kW (\$ per kW)	1.25	2.94	4.80	8.99
	First 4,500 kWh (¢ per kWh)	2.741	6.425	0.872	10.038
	Over 4,500 kWh (¢ per kWh)	2.260	6.819	-0-	9.079
236 & 842	Subtransmission				
	Service Charge (\$)	--	--	165.00	165.00
	Demands Greater Than 10 kW (\$ per kW)	1.22	2.89	-0-	4.11
	First 4,500 kWh (¢ per kWh)	2.695	6.320	-0-	9.015
	Over 4,500 kWh (¢ per kWh)	2.219	6.708	-0-	8.927

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers. Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

Minimum Charge

Bills computed under the above rate are subject to the operation of minimum charge provisions as follows:

- Minimum Charge - For demand accounts up to 100 kW - the service charge and all applicable riders. For demand accounts over 100 kW - the sum of the service charge, the product of the demand charge and the monthly billing demand, and all applicable riders.

(Continued on Sheet No. D-20.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF GS
(General Service)**

(Continued From Sheet No. D-19.00)

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

Energy supplied hereunder will be delivered through not more than one single-phase or one polyphase meter. Billing demand in kW 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. Where energy is presently delivered through two meters, the billing demand shall be taken as the sum of the two demands separately determined.

The minimum monthly billing demand established hereunder shall not be less than 60% of the greater of (a) the customer's contract capacity in excess of 100 kW or (b) the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 kW.

The minimum monthly billing demand shall not be less than 25% of the greater of (a) the customer's contract capacity in excess of 100 kW or (b) the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 kW during the billing months of May through November for customers with more than 50% of their connected load used for space heating purposes.

The Metered Voltage adjustment, as set forth above, shall not apply to the customer's minimum monthly billing demand.

Billing demands shall be rounded to the nearest whole kW and will be applied to monthly demands in excess of 10 kW. The Company will install a demand meter on any customer receiving service under this tariff with an average kWh usage of 4,500 or greater and at the Company option for customers with average kWh of less than 4,500.

(Continued on Sheet No. D-21.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
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DATED
IN CASE NO. U-20359**

**TARIFF GS
(General Service)**

(Continued From Sheet No. D-20.00)

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614, of the MPSC Rules. The due date shall be 22 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term of Contract

Service under this tariff will be 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. A written agreement may, at the Company's option, be required to fulfill the provisions of Items 1, 9, and/or 12 of the Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

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

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

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, and Terms and Conditions of Open Access Distribution Service, as applicable.

This tariff is also available to Standard Service 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.

(Continued on Sheet No. D-22.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
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DATED
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**TARIFF GS
(General Service)**

(Continued From Sheet No. D-21.00)

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.

Standard Service customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

OAD Customers with cogeneration, small power production facilities, or other on-site sources of electric energy designed to operate in parallel with the Company's system shall take service by special agreement with the Company.

Load Management Time-of-Day Provision

Available to Standard Service customers who use energy storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space-heating furnaces 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 take Standard Service from the Company.

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

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

Monthly Rate (Tariff Code 223)

Voltage	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Secondary				
Service Charge (\$)				
Customers w/o Demand Meter	--	--	7.45	7.45
Customers with Demand Meter	--	--	17.65	17.65
Energy Charge (¢ per kWh):				
For all on-peak kWh used	4.188	10.713	2.753	17.654
For all off-peak kWh used	0.707	2.559	2.753	6.019

The above rates are available to Standard Service customers only.

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

This provision is subject to the terms and conditions of Tariff GS including all applicable riders.

(Continued on Sheet No. D-23.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
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DATED
IN CASE NO. U-20359**

**TARIFF GS
(General Service)**

(Continued From Sheet No. D-22.00)

Optional Unmetered Service Provision

This tariff provision is withdrawn except for the present installations of customers receiving service hereunder at premises served prior to May 1, 2020. When new or upgraded facilities are required to maintain service to an existing customer, the customer shall be removed from the unmetered provision and placed on a standard metered, general service tariff for which the customer qualifies

Available to customers who qualify for Tariff GS, use the Company's service for commercial purposes consisting of small fixed electric loads 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 retroactively on the basis of the increased load as provided in the MPSC Consumer Standards and Billing Practice Rules .

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.

Monthly Rate (Tariff Codes 214, 204 and 831)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$)	--	--	5.00	5.00
Energy Charge (¢ per kWh): For all kWh used per month	2.832	6.639	1.934	11.405

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers. Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

This provision is subject to the terms and conditions of Tariff GS including all applicable riders.

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BY TOBY L. THOMAS
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FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON
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**TARIFF GS-TOD
(General Service - Time-of-Day)**

Availability of Service

Available for general service customers with 12-month average metered demands not greater than 150 kW who take Standard Service from the Company. Availability is limited to secondary service. This tariff is closed to customers with 12-month average metered demands greater than 150 kW except for current Tariff MGS-TOD customers in the former Three Rivers Rate Area receiving service as of November 29, 2010.

Monthly Rate (Tariff Code 229)

Voltage	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Secondary				
Service Charge (\$)				
Customers w/o Demand Meter	--	--	7.45	7.45
Customers with Demand Meter	--	--	17.65	17.65
Energy Charge (¢ per kWh):				
For all on-peak kWh used	4.188	10.713	2.753	17.654
For all off-peak kWh used	0.707	2.559	2.753	6.019

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

Minimum Charge

This tariff is subject to a minimum monthly charge equal to the monthly service charge and all applicable riders.

Metered Voltage

The rates set forth in this tariff are based upon the delivery and measurement of energy at the secondary 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 0.98 when measurements are taken at the high-side of a Company-owned transformer.

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614, of the MPSC rules. The due date shall be 22 days following the date of transmittal.

(Continued on Sheet No. D-25.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
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**TARIFF GS-TOD
(General Service - Time-of-Day)**

(Continued From Sheet No. D-24.00)

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term of Contract

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 1, 9, and/or 12 of the Terms and Conditions of Standard Service.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

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

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
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TARIFF G.S. – TOD2
(General Service Time-of-Day 2 Service)

Availability of Service.

Available for general service to customers with 12-month average metered demands of less than 10 kW through one single-phase, multi-register meter capable of measuring electrical energy consumption during variable pricing periods who take Standard Service from the Company. Availability is restricted to the first 100 customers applying for service under this tariff.

Rate. (Tariff Code: 221)

	Power Supply		<u>Delivery</u>	<u>Total</u>
	<u>Capacity</u>	<u>Non-Capacity</u>		
Service Charge (\$)				
Customers w/o Demand Meter	--	--	7.45	7.45
Customers with Demand Meter			17.65	17.65
Energy Charge (¢ per kWh):		7.544		
High Cost Hours (P2)	7.339	7.544	2.752	17.635
Low Cost Hours (P1)	2.475		2.752	12.771

Billing Hours.

Months	Low Cost Hours (P1)	High Cost Hours (P2)
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 and all applicable riders.

(Continued on Sheet No. D-27.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
 AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
 MICHIGAN PUBLIC SERVICE COMMISSION
 DATED
 IN CASE NO. U-20359**

**TARIFF G.S. – TOD2
(General Service Time-of-Day 2 Service)**

(Continued from Sheet No. D-26.00)

Delayed Payment Charge.

A delayed payment charge of 2% of the unpaid balance shall be added to any delinquent bill as set forth in the MPSC Consumer Standards and Billing Practice Rules. The due date shall be 22 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term of Contract

A written agreement may, at the Company's option, be required to fulfill the provisions of Items 1, 9, and/or 12 of the Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

Special Terms and Conditions

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

Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
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DATED
IN CASE NO. U-20359**

TARIFF G.S. – PEV
(General Service Plug-in Electric Vehicle)

Availability of Service.

Available to Standard Service, secondary voltage customers on Tariff GS, in good standing with the Company, having averaged less than 4,500 kWh use per month in the previous 12 months and use Plug-in Electric Vehicles (PEV). Customers under this tariff may not operate distributed generation resources or participate in the Company’s Net Metering Service Rider.

Customers electing service under this tariff may choose from two available options. Option 1 allows for a stand-alone PEV service in addition to their existing Tariff GS service. Option 2 allows for a PEV Submeter placed to separately meter PEV usage within their existing GS service.

Option 1 – Stand-alone PEV Service: All PEV usage shall be metered through one, multi-register meter capable of measuring electrical energy consumption during on-peak and off-peak billing periods. All PEV kWh usage will be billed at the following Monthly Rates in addition to the customers qualifying Tariff GS account.

Rate: (Tariff 219)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Monthly Service Charge (\$)				
Customers w/o Demand Meter			7.45	7.45
Customers with Demand Meter			17.65	17.65
PEV On-Peak kWh (¢ per kWh)	3.495	7.663	3.414	14.572
PEV Off-Peak kWh (¢ per kWh)	0.283	7.523	0.194	8.000

For the purpose of the PEV tariffs above, the daily on-peak billing period is defined as 6 a.m. to 11 p.m. Off-peak billing period is defined as those hours not designated as on-peak hours

Option 2 – Submetered PEV Time-of-Day: A submeter capable of measuring electrical energy consumption during on-peak and off-peak billing periods will be installed to separately measure PEV kWh usage. Total General Service usage will be billed at the customers Tariff GS Monthly Rates. A credit will be applied to the customer’s bill for all off-peak PEV kWh usage measured at the submeter and billed under Tariff (220). There is no billing adjustment for PEV on-peak usage. A second meter charge of \$2.55 for the PEV Submeter applies when monthly PEV usage is less than 250 kWh.

(Continued on Sheet No. D-29.00)

ISSUED
BY TOBY L. THOMAS
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FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359

TARIFF G.S. – PEV
(General Service Plug-in Electric Vehicle)

Continued from Sheet No. D-28.00)

Rate. (Tariff 220)

All General Service Usage	Tariff GS rate and Service Charge apply			
PEV Off-Peak Credit	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
	-2.549	0.885	-1.741	-3.405
Second Meter Charge (if monthly PEV use is < 250 kWh (\$))			2.55	2.55

For the purpose of the PEV credit above, the daily off-peak billing period is defined as 11 pm to 6 am.

Pilot Incentive Rebates.

Customers participating in this tariff may be eligible to receive a one-time enrollment rebate of up to \$2500 for wiring and EV charger with proof of qualifying PEV purchase after the start date of this program. Incentives are limited to the IM Plugged In aggregate spending cap approved by the Commission.

Minimum Charge.

This tariff is subject to a minimum monthly charge equal to the monthly service charge(s). The second meter charge for the PEV submeter Option 2 is waived each month the PEV usage is 250 kWh or greater.

Applicable Riders.

Monthly charges computed for both services under Option 1 shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00. For Option 2, the applicable riders will be charged on usage metered under the customers Tariff GS account, not for usage measured by the PEV Submeter.

Delayed Payment Charge.

A delayed payment charge of 2% of the total net bill shall be added to any bill, which is not paid on or before the due date shown thereon as set forth in Rule 460.1614, of the MPSC rules. The due date shall be 22 days following the date of transmittal.

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.

ISSUED
BY TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359

**TARIFF LGS
(Large General Service)**

Availability of Service

Available for general service customers with metered demands greater than 100 kW. Customers may continue to qualify for service under this tariff until their 12-month average metered demand exceeds 1,500 kW.

Monthly Rate

Tariff Codes	Voltage	Power Supply		Delivery	Total
		Capacity	Non-Capacity		
240, 242 & 850	Secondary				
	Service Charge (\$)	--	--	44.00	44.00
	Demand Charge (\$ per kW)	3.25	8.24	8.72	20.21
	Energy Charge (¢ per kWh):				
	For all on-peak kWh used	3.266	4.803	--	8.069
	For all off-peak kWh used	--	4.803	--	4.803
244 & 851	Primary				
	Service Charge (\$)	--	--	207.00	207.00
	Demand Charge (\$ per kW)	3.14	8.02	5.37	16.53
	Energy Charge (¢ per kWh):				
	For all on-peak kWh used	3.162	4.648	--	7.810
	For all off-peak kWh used	--	4.648	--	4.648
248 & 852	Subtransmission				
	Service Charge (\$)	--	--	207.00	207.00
	Demand Charge (\$ per kW)	3.10	7.89	--	10.99
	Energy Charge (¢ per kWh):				
	For all on-peak kWh used	3.109	4.572	--	7.681
	For all off-peak kWh used	--	4.572	--	4.572

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers. Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

Minimum Charge

This tariff is subject to a minimum monthly charge equal to the sum of the service charge, the product of the demand charge and the monthly billing demand, and all applicable riders. The power factor clause shall not operate to change the monthly minimum charge.

(Continued on Sheet No. D-31.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF LGS
(Large General Service)**

(Continued From Sheet No. D-30.00)

Monthly Billing Demand

Energy supplied hereunder will be delivered through not more than one single-phase or one polyphase meter. Billing demand in kW 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, subject to the off - peak hour provision.

Where energy is presently delivered through two meters, the billing demand will be taken as the sum of the two demands separately determined.

The minimum monthly billing demand established hereunder shall not be less than 60% 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, or (c) 100 kW.

The minimum monthly billing demand shall not be less than 25% 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, or (c) 100 kW during the billing months of May through November for customers with more than 50% of their connected load used for space-heating purposes.

The Metered Voltage adjustment, as set forth below, shall not apply to the customer's minimum monthly billing demand.

Billing demands shall be rounded to the nearest whole kW.

Off-Peak Hour Provision – Applicable to Standard Service customers only.

Demand created during the off-peak billing period shall be disregarded for billing purposes provided that the billing demand shall not be less than 60% of the maximum demand created during the billing month.

Availability of this provision is subject to the availability of capacity in the Company's existing facilities.

Adjustments to Rate

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

(Continued on Sheet No. D-32.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF LGS
(Large General Service)**

(Continued From Sheet No. D-31.00)

A. Power Factor

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

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

In no event shall the Constant derived from the above formula be greater than 2.0000.

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 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.

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614, of the MPSC Rules. The due date shall be 22 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

(Continued on Sheet No. D-33.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF LGS
(Large General Service)**

(Continued From Sheet No. D-32.00)

Term of Contract

Service under this tariff will be 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. A written agreement may, at the Company's option, be required to fulfill the provisions of Items 1, 9, and/or 12 of the Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

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

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

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

This tariff is also available to customers having other on-site sources of electric energy supply, who 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, but not less than 100 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, and the minimum charge shall be as set forth under paragraph "Minimum Charge" above.

(Continued on Sheet No. D-34.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF LGS
(Large General Service)**

(Continued From Sheet No. D-33.00)

contract for the maximum amount of demand in kW, which the Company might be required to furnish, but not less than 100 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, and the minimum charge shall be as set forth under paragraph "Minimum Charge" above.

Standard Service customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

OAD Customers with cogeneration or small power production facilities designed to operate in parallel with the Company's system shall take service by special agreement with the Company.

Load Management Time-of-Day Provision

Available to Standard Service customers who use energy storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space-heating furnaces 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 take Standard Service from the Company.

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

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

Monthly Rate (Tariff Code 251)

Voltage	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Secondary				
Service Charge (\$)	--	--	44.00	44.00
Energy Charge (¢ per kWh):				
For all on-peak kWh used	3.958	10.626	1.859	16.444
For all off-peak kWh used	0.535	2.207	1.859	4.601

The above rates are available to Standard Service customers only.

For purpose of this provision, the on-peak and off-peak billing periods are the same as previously described in this tariff.

This provision is subject to the terms and conditions of Tariff LGS including all applicable riders.

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

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF LP
(Large Power)**

Availability of Service

Available for general service customers. 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 1,500 kW.

Monthly Rate

Tariff Codes	Voltage	Power Supply		Delivery	Total
		Capacity	Non-Capacity		
305 & 860	Secondary				
	Service Charge (\$)	--	--	44.00	44.00
	Demand Charge (\$ per kW)	5.93	15.44	8.80	30.17
	Energy Charge (¢ per kWh):	2.025	3.152	-	5.177
	For the first 210 on-peak kWh used per kW	--	3.152	-	3.152
	For all over 210 on-peak kWh used per kW	--	3.152	-	3.152
	For all off-peak kWh used	--	3.152	-	3.152
Tariff Codes	Voltage	Power Supply		Delivery	Total
Capacity	Non-Capacity				
306 & 861	Primary				
	Service Charge (\$)	--	--	259.00	259.00
	Demand Charge (\$ per kW)	5.77	15.03	5.45	26.25
	Energy Charge (¢ per kWh):	1.960	3.051	--	5.011
	For the first 210 on-peak kWh used per kW	--	3.051	--	3.051
	For all over 210 on-peak kWh used per kW	--	3.051	--	3.051
	For all off-peak kWh used	--	3.051	--	3.051
308 & 862	Subtransmission				
	Service Charge (\$)	--	--	880.00	880.00
	Demand Charge (\$ per kW)	5.68	14.78	0.28	20.74
	Energy Charge (¢ per kWh):	1.928	3.001	--	4.929
	For the first 210 on-peak kWh used per kW	--	3.001	--	3.001
	For all over 210 on-peak kWh used per kW	--	3.001	--	3.001
	For all off-peak kWh used	--	3.001	--	3.001

(Continued on Sheet No. D-36.00)

ISSUED
BY TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
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**TARIFF LP
(Large Power)**

(Continued From Sheet No. D-35.00)

310 & 863	Transmission				
	Service Charge (\$)	--	--	880.00	880.00
	Demand Charge (\$ per kW)	5.59	14.55	0.14	20.28
	Energy Charge (¢ per kWh):				
	For the first 210 on-peak kWh used per kW	1.899	2.959	--	4.858
	For all over 210 on-peak kWh used per kW	--	2.959	--	2.959
	For all off-peak kWh used	--	2.959	--	2.959

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers. Capacity Power and Delivery Charges only are applicable to Open Access Distribution customers.

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

Minimum Charge

This tariff is subject to a minimum monthly charge equal to the monthly service charge, plus the product of the demand charge and the monthly billing demand, and all applicable riders. The power factor clause shall not operate to change the monthly minimum charge.

Monthly Billing Demand

The billing 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 demand meter or indicator, subject to off-peak hour provision, but the monthly billing demand so established shall, in no event, be less than 60% of the greater of (a) the customer's contract capacity, (b) the customer's highest previously established monthly billing demand during the past 11 months, or (c) 1,500 kW.

The Metered Voltage adjustment, as set forth below, shall not apply to the customer's minimum monthly billing demand.

Billing demands shall be rounded to the nearest whole kW.

Off-Peak Hour Provision – Applicable to Standard Service customers only.

Demand created during the off-peak billing period shall be disregarded for billing purposes provided that the billing demand shall not be less than 60% of the maximum demand created during the billing month.

Availability of this provision is subject to the availability of capacity in the Company's existing facilities.

(Continued on Sheet No. D-37.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF LP
(Large Power)**

(Continued From Sheet No. D-36.00)

Adjustments to Rate

Bills computed under the rate 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%, leading or lagging, as measured by integrating meters. When the average monthly power factor is above or below 85%, leading or lagging, the on-peak and off-peak kWh as metered will, for billing purposes, be multiplied by the constant, rounded to the nearest 0.0001, derived from the following formula:

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

In no event shall the Constant derived from the above formula be greater than 2.0000.

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 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.

Furnace Load Provision – Applicable to Standard Service customers only.

A reduced capacity charge, as stated below, shall apply to service for operation of electric furnaces for metal melting or ore reduction, where the demand for such load is separately metered. This provision shall apply only to electric furnace use with combined billing demand of 500 kW or more. The customer must

(Continued on Sheet No. D-38.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
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DATED
IN CASE NO. U-20359**

**TARIFF LP
(Large Power)**

(Continued From Sheet No. D-37.00)

provide special circuits in order that the Company may install separate metering for the furnace load. All other provisions of Tariff LP shall apply to the furnace load.

Furnace Demand Charge (\$ per kW)	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Secondary	5.34	15.44	8.80	29.58
Primary	5.24	15.03	5.45	25.72
Subtransmission	5.20	14.78	0.28	20.26
Transmission	5.17	14.55	0.14	19.86

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614 of the MPSC Rules. The due date shall be 22 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term 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.

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. Where new facilities are required, the Company reserves the right to require initial contracts for periods of greater than two years.

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than twelve (12) consecutive months.

(Continued on Sheet No. D-39.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF LP
(Large Power)**

(Continued From Sheet No. D-38.00)

Special Terms and Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

A customer's plant is considered as one or more buildings that are served by a single electrical distribution system provided and operated by 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 the Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

This tariff is also available to customers having other on-site sources of electric energy supply, who 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 1,500 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, and the minimum charge shall be as set forth under paragraph "Minimum Charge" above.

Standard Service customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

OAD customers with cogeneration or small power production facilities designed to operate in parallel with the Company's system shall take service by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF MS
(Municipal and School Service)**

This tariff is in the process of elimination and is withdrawn except for the present installations of customers receiving service hereunder at premises serviced prior to October 1, 1976. When new or upgraded facilities are required to maintain service to a Tariff MS customer, the customer shall be removed from Tariff MS 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 Michigan, 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.

Monthly Rate (Tariff Codes 543, 544 & 882)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$)	--	--	25.15	25.15
Energy Charge (¢ per kWh): For all kWh equal to the monthly billing demand (kW) times 250 hours of use	2.686	7.031	--	9.717
For all kWh greater than the monthly billing demand (kW) times 250 hours of use	1.641	7.031	-	8.672
Demand Charge (\$ per kW)	--	--	7.10	7.10

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers.
Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

Minimum Charge

This tariff is subject to a minimum monthly charge equal to the monthly service charge and all applicable riders.

Monthly Billing Demand

Energy supplied hereunder will be delivered through not more than one single-phase and/or one polyphase meter. 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. Where energy is presently delivered through two meters, the monthly billing demand will be taken as the sum of the two demands separately determined. The minimum billing demand shall be 10 kW.

(Continued on Sheet No. D-41.00)

**ISSUED
BY TOBY L. THOMAS
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**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF MS
(Municipal and School Service)**

(Continued from Sheet No. D-40.00)

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill that is not paid on or before the due date shown thereon as set forth in Rule 460.1614 of the MPSC Rules. The due date shall be 22 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term of Contract

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

Standard Service customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers with Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

OAD customers with cogeneration or small power production facilities designed to operate in parallel with the Company's system shall take service by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF WSS
(Water and Sewage Service)**

Availability of Service

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

Monthly Rate

Tariff Codes	Voltage	Power Supply		Delivery	Total
		Capacity	Non-Capacity		
545 & 876	Secondary				
	Service Charge (\$)	--	--	14.00	14.00
	Energy Charge (¢ per kWh)	1.817	5.817	--	7.634
	Demand Charge (\$ per kW)			5.02	5.02
546 & 877	Primary				
	Service Charge (\$)	--	--	64.00	64.00
	Energy Charge (¢ per kWh)	1.757	5.630	--	7.387
	Demand Charge (\$ per kW)			1.77	1.77
542 & 878	Subtransmission				
	Service Charge (\$)	--	--	64.00	64.00
	Energy Charge (¢ per kWh)	1.730	5.538	--	7.268
	Demand Charge (\$ per kW)			0.00	0.00

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers.
Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

Minimum Charge

This tariff is subject to a minimum monthly charge that is the sum of the service charge and all applicable riders. .

(Continued on Sheet No. D-43.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF WSS
(Water and Sewage Service)**

(Continued from Sheet No. D-42.00)

Monthly Billing Demand

Energy supplied hereunder will be delivered through not more than one single-phase and/or one polyphase meter. 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. Where energy is presently delivered through two meters, the monthly billing demand will be taken as the sum of the two demands separately determined.

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.

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614 of the MPSC Rules. The due date shall be 22 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term of Contract

For customers with annual average demands not greater than 1,500 kW, service under this tariff will be 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.

For customers with annual average demands greater than 1,500 kW, contracts under this tariff will 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.

(Continued on Sheet No. D-44.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF WSS
(Water and Sewage Service)**

(Continued from Sheet No. D-43.00)

A new initial 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.

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

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

This tariff is also available to customers having other on-site sources of electric energy supply, who 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 100 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, 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-1 (Net Metering Service for Customers with Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

OAD Customers with cogeneration or small power production facilities designed to operate in parallel with the Company's system shall take service by special agreement with the Company.

Optional Time-of-Day Rate

Standard Service Customers with maximum demands of 100 kW or more have the option to receive service on the following rate:

(Continued on Sheet No. D-45.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF WSS
 (Water and Sewage Service)**

(Continued from Sheet No. D-44.00)

Tariff Codes	Voltage	Power Supply		Delivery	Total
		Capacity	Non-Capacity		
547	Secondary				
	Service Charge (\$)	--	--	15.20	15.20
	Energy Charge (¢ per kWh): For all on-peak kWh used For all off-peak kWh used	2.831 0.727	8.552 2.876	2.009 2.009	13.392 5.612
549	Primary				
	Service Charge (\$)	--	--	65.20	65.20
	Energy Charge (¢ per kWh): For all on-peak kWh used For all off-peak kWh used	2.739 0.702	8.276 2.783	0.944 0.944	11.960 4.429
551	Subtransmission				
	Service Charge (\$)	--	--	65.20	65.20
	Energy Charge (¢ per kWh): For all on-peak kWh used For all off-peak kWh used	2.695 0.692	8.142 2.738	-- --	10.837 3.430

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

This provision is subject to the terms and conditions of Tariff WSS including all applicable riders.

ISSUED
 BY TOBY L. THOMAS
 PRESIDENT
 FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON
 AND AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
 MICHIGAN PUBLIC SERVICE COMMISSION
 DATED
 IN CASE NO. U-20359

**TARIFF EHS
(Electric Heating Schools)**

This tariff is withdrawn except for the present installations of customers receiving service hereunder at premises served prior to June 10, 1975. When new or upgraded facilities are required to maintain service to a Tariff EHS customer, the customer shall be removed from Tariff EHS and be required to take service under an appropriate general service tariff for which the customer qualifies.

Availability of Service

Available to primary and secondary schools and to college and university buildings, and additions thereto, where the principal energy requirements, including all lighting, heating, cooling, water heating, and cooking, are provided by electric energy.

Monthly Rate (Tariff Code 631 and 881)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$)	--	--	25.15	25.15
Energy Charge (¢ per kWh): For all kWh equal to the monthly billing demand (kW) times 250 hours of use	2.082	6.065	-	8.147
For all kWh greater than the monthly billing demand (kW) times 250 hours of use	1.387	6.065	-	7.452
Demand Charge (\$ per kW)	--	--	8.03	8.03

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers.
Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

Minimum Charge

This tariff is subject to a minimum monthly charge equal to the monthly service charge and all applicable riders.

Monthly Billing Demand

Energy supplied hereunder will be delivered through not more than one single-phase and/or one polyphase meter. 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. Where energy is presently delivered through two meters, the monthly billing demand will be taken as the sum of the two demands separately determined. The minimum billing demand shall be 10 kW.

Off-Peak Hour Provision – Applicable to Standard Service customers only.

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% of the maximum demand created during the billing month.

(Continued on Sheet No. D-47.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF EHS
(Electric Heating Schools)**

(Continued From Sheet No. D-46.00)

For the purpose of this tariff, the on-peak billing period is defined as 7 a.m. to 9 p.m., local time, for all weekdays, Monday through Friday. The off-peak billing period is defined as all other hours in the week.

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614 of the MPSC Rules. The due date shall be 22 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term of Contract

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

This tariff shall not apply to individual residences.

Customer may elect to receive service for any individual building of a school complex under the terms of this tariff.

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

This tariff is also available to customers having other on-site sources of electric energy supply, who 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 100 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, and the minimum charge shall be as set forth under paragraph "Minimum Charge" above.

(Continued on Sheet No. D-48.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF EHS
(Electric Heating Schools)**

(Continued From Sheet No. D-47.00)

Standard Service Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

OAD Customers with cogeneration or small power production facilities designed to operate in parallel with the Company's system shall take service by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF IS
(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.

Monthly Rate (Tariff Code 213 and 895)

Voltage	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Secondary				
Energy Charge (¢ per kWh)	3.302	8.449	10.189	21.940

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers.

Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

Minimum Charge

This tariff is subject to a minimum monthly charge equal to all applicable riders.

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614 of the MPSC Rules. The due date shall be 22 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

Term of 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.

Continued on Sheet No. D-50.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF IS
(Irrigation Service)**

(Continued From Sheet No. D-49.00)

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

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.

Standard Service Customers with cogeneration and/or small power production facilities shall take service under Rider NMS-1 (Net Metering Service for Customers With Generating Facilities of 20 kW or Less, Rider NMS-2 (Net Metering Service for Customers with Generating Facilities Greater than 20 kW), Tariff COGEN/SPP or by special agreement with the Company.

OAD Customers with cogeneration or small power production facilities designed to operate in parallel with the Company's system shall take service by special agreement with the Company.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF OSL
 (Outdoor Security Lighting)**

Availability of Service

Available for security lighting to individual customers including community associations, real estate developers, and municipalities. This service is not available for street and highway lighting.

Monthly Rate

For each lamp with luminaire and an upsweep arm not over six feet in length or bracket mounted floodlight, controlled by photoelectric relay, where service is supplied from an existing pole and secondary facilities of Company (a pole which presently serves another function besides supporting a security light), the rates are \$ per lamp per month as follows:

Tariff Code	Lamp Watts	Lumens/Lamp Type	Power Supply		Delivery	Total
			Capacity	Non-Capacity		
Standard Luminaire						
106 & 911	70	5,800 High Pressure Sodium	0.00	0.75	5.85	6.60
094 & 912	100	9,500 High Pressure Sodium	0.00	1.05	5.45	6.50
113 & 913	150	15,500 High Pressure Sodium	0.00	1.50	5.90	7.40
097 & 914	200	22,000 High Pressure Sodium	0.00	2.15	7.40	9.55
098 & 915	400	50,000 High Pressure Sodium	0.00	4.30	10.15	14.45
130 & 930	57	5,700 LED	0.00	0.50	7.20	7.70
Floodlight						
107 & 921	200	22,000 High Pressure Sodium	0.00	2.15	7.80	9.95
109 & 922	400	50,000 High Pressure Sodium	0.00	4.30	10.40	14.70
143 & 943	150	18,800 LED	0.00	1.30	12.35	13.65
146 & 946	297	37,800 LED	0.00	2.55	17.40	19.95
110 & 925	250	17,000 Metal Halide	0.00	2.55	8.25	10.80
116 & 926	400	28,800 Metal Halide	0.00	4.05	10.10	14.15
Post-Top						
122 & 928		9,500 HPS on Fiberglass Pole	0.00	1.05	24.80	25.85
152 & 952	85	8,300 LED on Fiberglass Pole	0.00	0.75	26.60	27.35

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers.
 Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

The above rates are subject to all applicable riders.

Other Equipment

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 the following distribution charges:

(Continued on Sheet No. D-52.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
 AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
 MICHIGAN PUBLIC SERVICE COMMISSION
 DATED
 IN CASE NO. U- 20359**

**TARIFF OSL
 (Outdoor Security Lighting)**

(Continued From Sheet No. D-51.00)

30 Foot Wood Pole	\$ 7.00 per month
35 Foot Wood Pole	\$ 8.10 per month
40 Foot Wood Pole	\$ 9.45 per month
Overhead Wire Span Not Over 125 Feet	\$ 3.25 per month
Underground Wire Lateral Not Over 50 Feet (Price includes pole riser and connections)	\$ 6.25 per month

When a customer requests service hereunder requiring wire span lengths in excess of 125 feet, special poles for fixtures 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 a distribution charge of \$8.10 per foot of excess footage, plus any and all costs required to repair, replace, or push under sidewalks, pavement, or other obstacles.

Security lights supported by poles serving no other function, but which were placed in service under Tariff OL (Outdoor Lighting) may be served under this tariff. In such a case, the following schedule of distribution charges will apply to the wood poles and wire spans:

Overhead Wire Span	\$ 3.25 per span per month
30 or 35 Foot Pole	\$ 7.00 per pole per month

Tariff Code	Discontinued Lamps	Power Supply		Delivery	Total
		Capacity	Non-Capacity		
	Standard Luminaire				
093 & 916	7,000 Mercury Vapor	0.00	1.85	8.95	10.80
096 & 918	11,000 Mercury Vapor	0.00	2.55	6.95	9.50
095 & 919	20,000 Mercury Vapor	0.00	4.05	10.80	14.85
100 & 920	50,000 Mercury Vapor	0.00	9.70	15.55	25.25
	Floodlight				
114 & 923	20,000 Mercury Vapor	0.00	4.05	10.85	14.90
119 & 924	50,000 Mercury Vapor	0.00	9.70	16.00	25.70
	Post Top				
099 & 917	7,000 Mercury Vapor	0.00	1.85	9.00	10.85

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers.
 Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

The above rates are subject to all applicable riders.

(Continued on Sheet No. D-53.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
 AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
 MICHIGAN PUBLIC SERVICE COMMISSION
 DATED
 IN CASE NO. U-20359**

**TARIFF OSL
(Outdoor Security Lighting)**

(Continued From Sheet No. D-52.00)

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.

Hours of Lighting

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

Monthly Kilowatt-hour Usage

The monthly kilowatt-hours for each lamp type applicable to Tariffs OSL, SLC, and ECLS are as follows:

Type of Lamp and Approx. Lumens ¹	Total Watts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Incandescent														
2,500 Lumens	189	79	67	67	57	51	45	48	55	60	71	75	81	
4,000 Lumens	295	124	104	104	89	79	71	76	86	94	111	116	126	
Mercury Vapor														
3,400 L 4,400 L	100W	130	55	46	46	39	35	31	33	38	41	49	51	56
7,560 L 8,500 L	175W	216	91	76	76	65	58	52	55	63	69	81	86	92
10,700 L 13,000 L	250W	301	126	106	106	90	81	72	77	88	97	113	119	129
19,100 L 23,000 L	400W	474	199	167	167	142	127	114	121	138	152	178	188	203
45,500 L 63,000 L	1,000W	1,135	477	400	400	340	304	272	291	331	363	427	449	486
High Pressure Sodium														
5,670 L 6,300 L	70W	86	36	30	30	26	23	21	22	25	28	32	34	37
8,550 L 9,500 L	100W	121	51	43	43	36	32	29	31	35	39	45	48	52
14,400 L 16,000 L	150W	176	74	62	62	53	47	42	45	51	57	66	70	75
19,800 L 22,000 L	200W	253	106	89	89	76	68	61	65	74	81	95	100	108
45,000 L 50,000 L	400W	500	210	176	176	150	134	120	128	146	160	188	198	214
Metal Halide														
17,000 L 20,500 L	250W	301	127	106	106	90	81	72	77	88	96	113	119	129
28,800 L 36,000 L	400W	474	199	167	167	142	127	114	121	138	152	178	188	203
LED														
4,800 L	41 W	41	17	14	14	12	11	10	10	12	13	15	16	17
5,000 L Post-Top	45 W	45	19	16	16	14	12	11	12	13	14	17	18	19
5,700 L	57 W	57	24	20	20	17	15	14	15	17	18	22	22	24
7,000	65 W	65	28	23	23	20	17	15	16	19	21	24	26	28
8,300 L	85 W	85	36	30	30	26	22	20	21	25	28	32	34	36
14,000 L	139 W	139	59	49	49	42	37	33	35	40	44	52	55	60
18,800 L	150 W	150	64	53	53	45	39	36	38	43	49	56	60	64
37,800 L	297 W	297	127	104	104	89	78	71	74	86	97	112	119	127

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, High Pressure Sodium, and Metal Halide listed in this table as means lumens in the first column and initial lumens in the second column. Lumen rating varies with lamp manufacturer

(Continued on Sheet No. D-54.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. 20359**

**TARIFF OSL
(Outdoor Security Lighting)**

(Continued From Sheet No. D-53.00)

Ownership of Facilities

All facilities necessary for service including fixtures, controls, poles, transformers, secondaries, 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.

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614 of the MPSC Rules. The due date shall be 22 days following the date of transmittal.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the following Commission-approved rider(s) listed on Sheet No. D-114.00.

Contracts

Contracts under this tariff will ordinarily be made for an initial term of one year for service where lights are installed on existing poles, or not less than five years for service requiring new poles. In the case of customers contracting for four or more lamps apiece, the Company reserves the right to include in the contract such other provisions as it may deem necessary to insure payment of bills throughout the term of the contract.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF SLS
(Streetlighting Service)**

Availability of Service

This tariff is withdrawn except for existing streetlights serving those municipalities, counties, and other governmental subdivisions in the former St. Joseph Rate Area having contracted for such service under this tariff, Tariff SLS (Streetlighting - New and Rebuilt Systems), or a special contract prior to the first effective date of Tariff ECLS (Energy Conservation Lighting Service) on August 13, 1980.

The Energy Policy Act of 2005 requires the mercury vapor ballasts shall not be manufactured or imported as of 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.

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.

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers. Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

All SLS rates are subject to applicable riders as stated below.

Tariff Code 533 and 900 Lumens/Lamp Type	Monthly Rates (\$) per Lamp			Total
	Power Supply Capacity	Non-Capacity	Delivery	
On Wood Pole With Overhead Circuitry				
7,000 Lumen Mercury Vapor	0.00	1.80	4.65	6.45
20,000 Lumen Mercury Vapor	0.00	3.95	4.70	8.65
On Metallic, Concrete or Fiberglass Poles With Overhead Circuitry				
20,000 Lumen Mercury Vapor	0.00	3.95	6.70	10.65
On Metallic, Concrete or Fiberglass Poles With Underground Circuitry				
7,000 Lumen Mercury Vapor	0.00	1.80	8.65	10.45
20,000 Lumen Mercury Vapor	0.00	3.95	8.70	12.65
50,000 Lumen Mercury Vapor	0.00	9.40	8.80	18.20

(Continued on Sheet No. D-56.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF SLS
(Streetlighting Service)**

(Continued From Sheet No. D-55.00)

Public Efficient Streetlighting Program

The Public Efficient Streetlighting Program (PES) is a program implemented under the Company's Energy Waste Reduction Program (EWR), designed to encourage energy efficient streetlighting through the conversion of existing Company-owned streetlights to LED streetlights. The PES will be performed under the terms and conditions of contained in the PES as approved by the Commission.

PES Monthly Rate (Tariff Code 535 and 907) Lumens / Lamp Conversion Type	Price Per Lamp Per Month			Total
	Power Supply Capacity	Non-Capacity	Delivery	
On Wood Pole With Overhead Circuitry				
7,000 Lumen MV > LED	0.00	1.80	4.65	6.45
20,000 Lumen MV > LED	0.00	3.95	4.70	8.65
On Metallic, Concrete or Fiberglass Poles With Overhead Circuitry				
20,000 Lumen MV > LED	0.00	3.95	6.70	10.65
On Metallic, Concrete or Fiberglass Poles With Underground Circuitry				
7,000 Lumen MV > LED	0.00	1.80	8.65	10.45
20,000 Lumen MV > LED	0.00	3.95	8.70	12.65
50,000 Lumen MV > LED	0.00	9.40	8.80	18.20

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.

Lamp Outages

All outages which are reported by a proper representative of the customer shall be repaired within two working days. If the lamp is not repaired within two working days, the monthly charge for that unit will be reduced by 1/30 for each day of the outage beyond two working days.

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.125 of the MPSC Rules. 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.

(Continued on Sheet No. D-57.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF SLS
(Streetlighting Service)**

(Continued From Sheet No. D-56.00)

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

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 OSL for Other Equipment. For any equipment not specified in Tariff OSL, the charge shall be based upon the Company's actual cost.

The Company will relocate or remove lamps as rapidly as labor conditions permit.

Contracts

Contracts under this tariff will ordinarily be made for an initial term of ten years with self-renewal provisions for successive periods 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 of longer than ten years.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF SLC
(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.

This tariff is also available to community associations which have been incorporated as not-for-profit corporations.

Service rendered hereunder is predicated upon the execution by the customer of an agreement specifying the type, number, and location of lamps to be lighted.

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 performance of maintenance.

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

Monthly Rate (Tariff Code 531 and 901)

Rates are \$ per lamp per month.

Lamp Watts	Lumens/Lamp Type	Power Supply		Delivery	Total
		Capacity	Non-Capacity		
70	5,800 High Pressure Sodium	0.00	0.75	1.05	1.80
100	9,500 High Pressure Sodium	0.00	1.00	1.10	2.10
150	14,400 High Pressure Sodium	0.00	1.50	1.20	2.70
200	22,000 High Pressure Sodium	0.00	2.25	1.35	3.60
400	50,000 High Pressure Sodium	0.00	4.15	1.85	6.00
175	7,000 Mercury Vapor *	0.00	1.85	1.65	3.50
400	20,000 Mercury Vapor *	0.00	3.95	1.95	5.90
1,000	50,000 Mercury Vapor *	0.00	9.70	2.85	12.55
Span in Watts					
Up to 50 W	LED	0.00	0.35	1.05	1.40
51W to 100W	LED	0.00	0.75	1.40	2.15
101W to 150W	LED	0.00	1.20	1.80	3.00
151W to 250W	LED	0.00	1.85	2.40	4.25

*Rates apply to existing luminaries only and are not available for new business. Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers. Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers. The above rates are subject to all applicable riders.

(Continued on Sheet No. D-59.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF SLC
(Streetlighting - Customer-Owned System)**

(Continued From Sheet No. D-58.00)

Pole Contact Provision

When the customer chooses to own all components of the existing streetlight system on joint use distribution facilities, except for the poles and conductor, a distribution charge of \$0.47 per lamp per month will be added to the monthly lamp rate.

This rate applies only where the Company has existing facilities in place. If such existing facilities must be modified or rebuilt to accommodate the safe installation and maintenance of customer-owned streetlight equipment, then the customer shall reimburse the Company for the total cost of such modifications or rebuilt facilities. The Company reserves the right to relocate or remove existing distribution facilities. When such relocation or removal occurs, the customer will have the option to either purchase the poles and conductors to maintain service to the streetlight system or to abandon such facilities. All installations or removal of customer-owned equipment on Company-owned poles will be made by the Company and the customer shall reimburse the Company for the cost of such installations or removals.

The Company will not extend existing distribution facilities or build new distribution facilities for the sole purpose of accommodating a customer-owned streetlight system unless the customer agrees to reimburse the Company for the cost of such new facilities.

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.

Lamp Outages

All outages which are reported by a proper representative of the customer shall be repaired within two working days. If the lamp is not repaired within two working days, the monthly charge for that unit will be reduced by 1/30 for each day of the outage beyond two working days.

Service To Be Rendered

For completely customer-owned systems, the Company will furnish electrical energy for the operation of lamps and will maintain same by renewals of lamps and cleaning and replacement of glassware. Other maintenance, repair, and replacement will be the responsibility of the customer.

For customer-owned systems on Company poles, all maintenance of customer-owned streetlight equipment shall be performed by Company personnel. The Company will furnish energy for operation of lamps and maintain same by renewals of lamps and cleaning and replacement of glassware. 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

(Continued on Sheet No. D-60.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF SLC
(Streetlighting - Customer-Owned System)**

(Continued From Sheet No. D-59.00)

no cost to the Company the replacement glassware. All other maintenance on the customer's streetlight system shall be performed by the Company at the customer's expense.

Customers who perform all maintenance, repair, and replacement of lamps and fixtures (except for photo control) will receive a monthly distribution credit of \$1.81 per lamp.

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614 of the MPSC Rules. The due date shall be 22 days following the date of transmittal. 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.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00

Contracts

Contracts under this tariff will ordinarily be made for an initial term of one year with self-renewal provisions for successive periods 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 of longer than one year.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

TARIFF ECLS
(Energy Conservation Lighting Service)

Availability of Service

Available for streetlighting service to municipalities, counties, and other governmental subdivisions. This rate is applicable for service that is supplied through new or rebuilt streetlighting systems, including extension of streetlighting systems to additional locations where service is requested by the customer. 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 supplied and lighted.

The Energy Policy Act of 2005 requires that mercury vapor 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.

Lamp Watts	Tariff Codes 530 and 902 Lumens/Lamp Type	Monthly Rates in (\$) per Lamp			
		Power Supply Capacity	Non-Capacity	Delivery	Total
	On Wood Pole With Overhead Circuitry				
70	5,800 High Pressure Sodium	0.00	0.75	3.65	4.40
100	9,500 High Pressure Sodium	0.00	1.00	3.65	4.65
150	15,500 High Pressure Sodium	0.00	1.45	3.80	5.25
200	22,000 High Pressure Sodium	0.00	2.10	4.25	6.35
400	50,000 High Pressure Sodium	0.00	4.15	4.70	8.85
100	3,500 Mercury Vapor*	0.00	1.10	4.65	5.75
175	7,000 Mercury Vapor*	0.00	1.80	4.65	6.45
250	11,000 Mercury Vapor*	0.00	2.50	4.65	7.15
400	20,000 Mercury Vapor*	0.00	3.95	4.70	8.65
1,000	50,000 Mercury Vapor*	0.00	9.35	4.80	14.15
41	4,800 Lumen Roadway LED	0.00	0.35	14.20	14.55
88	8,500 Lumen Roadway LED	0.00	0.75	14.85	15.60
139	14,000 Lumen Roadway LED	0.00	1.20	16.15	17.35
219	23,000 Lumen Roadway LED	0.00	1.85	18.50	20.35
	On Metallic, Concrete or Fiberglass Pole With Overhead Circuitry*				
70	5,800 High Pressure Sodium	0.00	0.75	7.60	8.35
100	9,500 High Pressure Sodium	0.00	1.00	7.65	8.65
150	15,500 High Pressure Sodium	0.00	1.45	7.75	9.20
200	22,000 High Pressure Sodium	0.00	2.10	8.15	10.25

(Continued on Sheet No. D-62.00)

ISSUED
BY TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359

**TARIFF ECLS
 (Energy Conservation Lighting Service)**

(Continued from Sheet No. D-61.00)

400	50,000 High Pressure Sodium	0.00	4.15	8.65	12.80
175	7,000 Mercury Vapor	0.00	1.80	6.65	8.45
250	11,000 Mercury Vapor	0.00	2.50	6.55	9.05
400	20,000 Mercury Vapor	0.00	3.95	6.70	10.65
1,000	50,000 Mercury Vapor	0.00	9.70	6.80	16.50
Lamp Watts	Lumens/Lamp Type	Power Supply		Delivery	Total
		Capacity	Non-Capacity		
	On Metallic, Concrete or Fiberglass Pole With Underground Circuitry*				
70	5,800 High Pressure Sodium	0.00	0.75	7.60	8.35
100	9,500 High Pressure Sodium	0.00	1.00	7.65	8.65
200	22,000 High Pressure Sodium	0.00	2.10	8.15	10.25
400	50,000 High Pressure Sodium	0.00	4.15	8.65	12.80
175	7,000 Mercury Vapor	0.00	1.80	8.70	10.50
400	20,000 Mercury Vapor	0.00	4.05	8.70	12.75
1,000	50,000 Mercury Vapor	0.00	9.70	8.80	18.50
	Post-top Lamp on Fiberglass Pole With Underground Circuitry				
100	9,500 High Pressure Sodium	0.00	1.00	4.90	5.90
175	7,000 Mercury Vapor *	0.00	1.85	1.65	3.50
45	5,000 Lumen Post-Top LED	0.00	0.40	15.45	15.85
65	7,000 Lumen Post-Top LED	0.00	0.55	15.85	16.40
85	8,300 Lumen Post-Top LED	0.00	0.75	22.40	23.15

*Rates apply to existing luminaires only and are not available for new business.

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers. Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

The above rates are subject to all applicable riders.

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. 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. When underground facilities are requested by the customer, the estimated installed distribution cost of the underground circuit will be \$8.10 per foot plus any and all costs required to repair, replace, or push under sidewalks, pavements, or other obstacles. A customer paying a contribution in aid of construction will pay the above monthly rate for wood poles with overhead circuitry.

(Continued on Sheet No. D-63.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
 AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
 MICHIGAN PUBLIC SERVICE COMMISSION
 DATED
 IN CASE NO. U-20359**

**TARIFF ECLS
(Energy Conservation Lighting Service)**

(Continued From Sheet No. D-62.00)

Public Efficient Streetlighting Program (PES)

The Public Efficient Streetlighting Program (PES) is a program implemented under the Company's Energy Waste Reduction Program, designed to encourage energy efficient streetlighting through the conversion of existing Company-owned streetlights to LED streetlights. The PES will be performed under the terms and conditions contained in the PES as approved by the Commission.

PES Lamp Watts	Tariff Codes (536) and (908) Lumens / Conversion Type	Monthly Rates in (\$) per Lamp			
		Power Supply		Delivery	Total
		Capacity	Non-Capacity		
On Wood Pole With Overhead Circuitry					
70	5,800 HPS > LED	0.00	0.75	3.65	4.40
100	9,500 HPS > LED	0.00	1.00	3.65	4.65
150	15,500 HPS > LED	0.00	1.45	3.80	5.25
200	22,000 HPS > LED	0.00	2.10	4.25	6.35
400	50,000 HPS > LED	0.00	4.15	4.70	8.85
100	3,500 MV > LED	0.00	1.10	4.65	5.75
175	7,000 MV > LED	0.00	1.80	4.65	6.45
250	11,000 MV > LED	0.00	2.50-	4.65	7.15
400	20,000 MV > LED	0.00	3.95	4.70	8.65
1,000	50,000 MV > LED	0.00	9.35	4.80	14.15
On Metallic, Concrete or Fiberglass Pole With Overhead Circuitry*		Power Supply		Delivery	Total
		Capacity	Non-Capacity		
70	5,800 HPS > LED	0.00	0.75	7.60	8.35
100	9,500 HPS > LED	0.00	1.00	7.65	8.65
150	15,500 HPS > LED	0.00	1.45	7.75	9.20
200	22,000 HPS > LED	0.00	2.10	8.15	10.25
400	50,000 HPS > LED	0.00	4.15	8.65	12.80
175	7,000 MV > LED	0.00	1.80	6.65	8.45
250	11,000 MV > LED	0.00	2.50	6.55	9.05
400	20,000 MV > LED	0.00	3.95	6.70	10.65
1,000	50,000 MV > LED	0.00	9.70	6.80	16.50
On Metallic, Concrete or Fiberglass Pole With Underground Circuitry*					
70	5,800 HPS > LED	0.00	0.75	7.60	8.35
100	9,500 HPS > LED	0.00	1.00	7.65	8.65
200	22,000 HPS > LED	0.00	2.10	8.15	10.25
400	50,000 HPS > LED	0.00	4.15	8.65	12.80

(Continued on Sheet No. D-64.00)

ISSUED
BY TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020

ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359

**TARIFF ECLS
 (Energy Conservation Lighting Service)**

(Continued From Sheet No. D-63.00)

PES	Tariff Codes (536) and (908)	Monthly Rates in \$ per Lamp			
		Power Supply Non-Capacity	Capacity	Delivery	Total
Lamp Watts	On Metallic, Concrete or Fiberglass Pole With Underground Circuitry*				
175	7,000 MV > LED	0.00	1.80	8.70	10.50
400	20,000 MV > LED	0.00	4.05	8.70	12.75
1,000	50,000 MV > LED	0.00	9.70	8.80	18.50
	Post-top Lamp on Fiberglass Pole With Underground Circuitry				
100	9,500 HPS > LED	0.00	1.00	4.90	5.90
175	7,000 MV > LED	0.00	1.85	1.65	3.50

*Rates apply to existing luminaries only and are not available for new business.

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers.
 Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.
 The above rates are subject to all applicable riders

Lamp Outages

All outages that are reported by a proper representative of the customer shall be repaired within two working days. If the lamp is not repaired within two working days, the monthly charge for that unit will be reduced by 1/30 for each day of the outage beyond two working 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. The Company will maintain all such facilities.

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.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00

(Continued on Sheet No. D-65.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
 AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
 MICHIGAN PUBLIC SERVICE COMMISSION
 DATED
 IN CASE NO. U-20359**

**TARIFF ECLS
(Energy Conservation Lighting Service)**

(Continued From Sheet No. D-64.00)

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.125 of the MPSC Rules. The due date shall be 22 days following the date of transmittal. 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.

Relocation and Removal of Lamps

Lamps may be relocated or removed as rapidly as labor conditions permit when requested in writing by a proper representative of the Customer, subject, however to the following conditions:

Lamps will be relocated / removed upon payment by 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 OSL for Other Equipment. For any equipment not specified in Tariff OSL, the charge shall be based upon the Company's actual cost.

Contracts

Contracts under this tariff will ordinarily be made for an initial term of one year with self-renewal provisions for successive periods 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 of longer than one year.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF SLCM
(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. This tariff is also available for lighting systems serving outdoor recreational facilities such as baseball fields and football stadiums.

This tariff is also available to community associations which have been incorporated as not-for-profit corporations.

Monthly Rate (Tariff Codes 733, 734, 903 and 904)

	Power Supply		Delivery	Total
	Capacity	Non-Capacity		
Service Charge (\$):				
Single Phase 120/240 volts	--	--	7.77	7.77
Single Phase 240/480 volts	--	--	16.58	16.58
Energy Charge (¢ per kWh)	0.00	2.565	2.235	4.80

Capacity and Non-Capacity Power Supply and Delivery Charges are applicable to Standard Service customers.
Capacity Power Supply and Delivery Charges only are applicable to Open Access Distribution customers.

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.

Delayed Payment Charge

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614 of the MPSC Rules. The due date shall be 22 days following the date of transmittal. 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.

Applicable Riders

Monthly charges computed under this tariff shall be adjusted in accordance with the applicable Commission-approved rider(s) listed on Sheet No. D-114.00.

(Continued on Sheet No. D-67.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**TARIFF SLCM
(Streetlighting - Customer-Owned System - Metered)**

(Continued From Sheet No. D-66.00)

Contracts

A written contract may, at the Company's option, be required for each customer. Customers requiring service in multiple locations may combine services under one agreement.

Standard Service Contracts 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 contract will specify the service location(s) and the approximate connected load in kilowatts. A separate invoice will be rendered each billing period for each meter location regardless of the number of contracts.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue Standard Service, customers may elect to take service from a qualified Alternate Electric Supplier (AES), pursuant to the Terms and Conditions of Open Access Distribution Service, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period the customer has not enrolled with a qualified AES, then the customer must continue to take service under the Company's Standard Service for a period of not less than 12 consecutive months.

Special Terms and Conditions.

This tariff is subject to the Company's Terms and Conditions of Standard Service, or Items 1, 11, and/or 17 of the Terms and Conditions of Open Access Distribution Service, as applicable.

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FORT WAYNE, INDIANA**

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**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

Availability of Service

This schedule is available to Standard Service customers with cogeneration and/or small power production (COGEN/SPP) facilities that qualify under Section 210 of the Public Utilities Regulatory Policies Act of 1978, have a total design capacity of 100 KW or less, and who take Standard Service from the Company. 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 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 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.

(Continued on Sheet No. D-69.00)

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**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

(Continued From Sheet No. 68.00)

Measurement of Energy and Determination of Capacity

Energy and capacity supplied by the Company to the customer and/or produced by the customer's qualifying COGEN/SPP facilities shall be determined by appropriate meters located at one delivery point. Such meters shall be capable of determining energy, and billing demand where applicable, from the Company to the customer to supply the customer's net or total load as required under the rate schedule appropriate for such deliveries. The excess or total energy and average capacity produced by the customer's qualifying COGEN/SPP facilities shall be determined by means of meters other than those used to determine the net or total energy and capacity requirements of the customer's load. At the option of the customer, such meters may be capable of registering produced excess or total energy and average capacity separately during the on-peak and off-peak periods.

Under Option 3, when metering potential for COGEN/SPP facilities is the same as the Company's delivery potential, 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 that will enable the Company to measure adequately the total electrical energy and average capacity produced by the qualifying COGEN/SPP facilities, as well as to measure the electrical energy consumption and capacity requirements of the customer's total load. When metering potential for COGEN/SPP facilities is different from the Company's delivery potential, metering requirements and charges shall be determined specifically for each case.

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.

(Continued on Sheet No. D-70.00)

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**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

(Continued From Sheet No. D-69.00)

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.

The monthly charge per kW of backup capacity paid by customers served under demand-metered rate schedules shall be as follows:

Power Supply	Delivery Service	Total
\$0.82	\$1.64	\$2.46

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.

Charges for Special Facilities

There shall be additional distribution 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) Monthly Metering Charge

The additional monthly distribution charge for special metering facilities shall be as follows:

(Continued on Sheet No. D-71.00)

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**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

(Continued From Sheet No. D-70.00)

(a) Option 1

Where the customer does not sell electricity to the Company, the Company will install a detent to prevent reverse meter rotation and will include its cost in the local facilities charge, thus not requiring a separate additional monthly metering charge.

(b) Option 2(a)

Where standard energy meters are used to measure the excess energy and average capacity purchased by the Company:

	Single Phase	Polyphase
Primary Service or Secondary Service Over 200 Amps	\$ 12.67	\$ 12.67
Secondary Service of 200 Amps or Less	\$ 1.23	\$ 7.45

(c) Option 2(b)

Where time-of-day (TOD) energy meters are used to measure the excess energy and average capacity purchased by the Company:

	Single Phase	Polyphase
Primary Service or Secondary Service Over 200 Amps	\$ 12.96	\$ 12.96
Secondary Service of 200 Amps or Less	\$ 4.70	\$ 7.74

(Continued on Sheet No. D-72.00)

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**TARIFF COGEN/SPP
 (Cogeneration and/or Small Power Production Service)**

(Continued From Sheet No. D-71.00)

(d) Option 3(a)

Where standard energy meters are used to measure the total energy and average capacity produced by the customer's COGEN/SPP facilities:

	Single Phase	Polyphase
Primary Service or Secondary Service Over 200 Amps Using Metering Current Leads	\$ 12.67	\$ 12.67
Secondary Service of 200 Amps or Less Using Metering Current Leads	\$ 12.67	\$ 12.67
Secondary Service of 200 Amps or Less Using Totalized Output Leads	\$ 1.23	\$ 7.45

(e) Option 3(b)

Where time-of-day (TOD) energy meters are used to measure the total energy and average capacity produced by the customer's COGEN/SPP facilities:

	Single Phase	Polyphase
Primary Service or Secondary Service Over 200 Amps Using Metering Current Leads	\$ 12.96	\$ 12.96
Secondary Service of 200 Amps or Less Using Metering Current Leads	\$ 12.96	\$ 12.96
Secondary Service of 200 Amps or Less Using Totalized Output Leads	\$ 1.23	\$ 7.74

(Continued on Sheet No. D-73.00)

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**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

(Continued From Sheet No. D-72.00)

(2) Local Facilities Charge

Additional charges to cover the cost of 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, twelve 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 installments.

Monthly Credits or Payments for Excess or Total Electrical Energy and Capacity Produced by COGEN/SPP Facilities

(1) Energy Credit

The following generation credits or payments from the Company to the customer shall apply for the excess electrical energy delivered to the Company or the total electrical energy produced by the customer's qualifying COGEN/SPP facilities:

- (a) If standard energy meters are used, 3.24¢/kWh for all energy delivered or produced during the billing period or, at the option of the customer, the monthly average, real-time, PJM wholesale market locational marginal price at a Company pricing node mutually agreed upon by the Company and the customer.
- (b) If TOD meters are used, 3.91¢/kWh for all energy delivered and produced during the on-peak period, and 2.63¢/kWh for all energy delivered or produced during the off-peak period or at the option of the customer, PJM wholesale market real-time locational marginal on-peak and off-peak prices at a Company pricing node mutually agreed upon by the Company and customer.

(2) Capacity Credit

If the customer contracts to deliver or produce a specified excess or total average capacity during the monthly billing period (monthly contract capacity), or a specified excess or total average capacity during the on-peak monthly billing period (on-peak contract capacity), and/or a specified excess or total average capacity during the off-peak monthly billing period (off-peak contract capacity), and if the contract term is equal to or greater than two years, then the following generation capacity credits or payments from the Company to the customer shall apply:

- A. If standard energy meters are used, \$ 0.00/kW/month, times the lowest of:
 - (1) monthly contract capacity, or

(Continued on Sheet No. D-74.00)

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**TARIFF COGEN/SPP
(Cogeneration and/or Small Power Production Service)**

(Continued From Sheet No. D-73.00)

- (2) current month metered average capacity, i.e., kWh delivered to the Company or produced by COGEN/SPP facilities divided by 730, or
 - (3) lowest average capacity metered during previous two months if less than monthly contract capacity.
- B. If TOD energy meters are used, \$ 0.00/kW/month, times the lowest of:
- (1) On-peak contract capacity, or
 - (2) Current month on-peak metered average capacity, i.e., on-peak kWh delivered to the Company or produced by COGEN/SPP facilities divided by 347, or
 - (3) Lowest on-peak average capacity metered during previous two months, if less than on-peak contract capacity.

The above energy and capacity credit rates are subject to revision from time to time as approved by the Commission.

On-Peak and Off-Peak Periods

The on-peak period shall be defined as starting at 7 a.m. and ending at 11 p.m., local time, Monday through Friday.

The off-peak period shall be defined as starting at 11 p.m. and ending at 7 a.m., local time, for all weekdays, Monday through Friday, and all hours of Saturday and Sunday.

Charges for Cancellation or Non-Performance of Contract

If the customer should, for a period in excess of six months, discontinue or substantially reduce for any reason the operation of cogeneration and/or small power production facilities that were the basis for the monthly contract capacity, or the on-peak contract capacity, and/or the off-peak contract capacity, the customer shall make a one-time generation payment to the Company, determined as Six times the applicable monthly capacity credit rate then in effect, times the applicable contract capacity or reduction thereof.

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**TARIFF CATV
(Pole Attachment Rental - Cable Television)**

Availability of Service

Available to any person, firm, corporation, partnership, or cooperatively organized association ("Attaching Party or Attachee"), other than a utility or a municipality, who has obtained under law any necessary public or private authorization and permission to construct and maintain attachments such as wire, cable, facility, or other apparatus on Company poles so long as those attachments do not interfere, obstruct, or delay the service and operation of the Company or create a safety hazard.

Distribution Charges and Rates

In addition to the pole application fee set forth below, Attachee agrees to pay Company an initial contact fee and an annual attachment charge at the rates specified in this tariff for the use of each of Company's poles, any portion of which is occupied by or reserved at Attachee's request for the attachment of Attachee's facilities at any time during the rental period.

Basic Charges and Rates	
1. Pole Application Fee:	\$50.00 plus \$10.00 per pole
The purpose of the application fee is to recover the Company's expense to conduct the make-ready survey required to determine the feasibility of the requested attachment(s). The application fee is due at the time application is made.	
2. Initial Contact Fee:	\$1.25 per pole
To cover the cost to the Company not separately accounted for in processing the application for each initial contact, but no such initial contact fee shall be required if the customer has previously paid an initial contact fee with respect to such pole location.	
3. Annual Attachment Charge:	\$3.74 per pole per year
Attachee agrees to pay Company the annual rate for the use of each of Company's poles, any portion of which is occupied by, or reserved at Attachee's request for the attachment of Attachee at any time during the rental period.	
Other Charges	
1. All charges for inspections, engineering, rearrangements, or removals of Attachee's facilities from Company's poles and other work performed for Attachee shall be based on the full cost and expense to Company in performing such work. The charges shall be determined in accordance with the normal and customary methods used by the Company in determining such costs.	
2. The charges for replacement of poles necessary to facilitate Attachee's attachments and requirements shall be net costs as determined by the normal and customary methods used by the Company.	

(Continued on Sheet No. D-76.00)

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**TARIFF CATV
(Pole Attachment Rental - Cable Television)**

(Continued From Sheet No. D-75.00)

Payment and Billing

Invoices shall be rendered by Company, in advance, on an annual basis on or about July 1 based upon the attachments in place as of the preceding June 1. For any pole occupied or reserved at any time during the rental year, the full attachment charge will be billed on the subsequent annual billing. Payment will be due 45 days from the date the invoice is issued by the Company.

Invoices to Attachees with fewer than 20 pole attachments may be rendered on a multi-year basis so as to effect a minimum billing invoice of \$30.

On all amounts not paid when due, an additional charge of 1.5% per month shall be assessed.

Agreements

Pole attachments shall be allowed only upon signing by Company and the Attachee of a written agreement making reference to this tariff.

Period of Agreement

Agreements executed with reference to this tariff shall continue until cancelled by either party on not less than 60 days' prior written notice to the other. No such termination, however, shall reduce or eliminate the obligation of the Attachee to make payments of any amounts due to Company for any service covered by this tariff, and shall not waive charges for any attachment until it is removed from the pole to which it is attached.

Special Terms and Conditions

The terms and conditions of service shall be as set forth within the Company's standard agreement and this tariff.

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**TARIFF CS-IRP
(CONTRACT SERVICE – INTERRUPTIBLE POWER)**

Availability of Service.

Available to customers having interruptible demands of 1,000 kW or greater, who contract for Standard 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 50,000 kW.

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 Customer.

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 Customer for interruptible service, the Company will provide the Customer 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 Customer by the Company, such written contract will be filed with the Commission. 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.

Rate.

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

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 Customer.

(Continued on Sheet No. D-78.00)

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**TARIFF CS-IRP
(CONTRACT SERVICE – INTERRUPTIBLE POWER)**

(Continued From Sheet No. D-77.00)

Confidentiality.

All terms and conditions of any written contract under this schedule shall be protected from disclosure as confidential, proprietary trade secrets if either the Customer or the Company requests a Commission determination of confidentiality, and the Commission finds that the party requesting such protection has shown good cause 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 Standard Service shall apply to service under this tariff.

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**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 the effective date of this rider. Rider AFS also applies to existing customers that desire to maintain redundant service when the Company must make expenditures in order to continue providing such service.

Rider AFS is available to customers who request a primary voltage alternate feed and who normally take service under Tariffs G.S., L.G.S., L.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.

(Continued on Sheet No. D-80.00)

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**RIDER AFS
(Alternate Feed Service)**

(Continued From Sheet No. D-79.00)

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 or repair, 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 \$15.71 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.

(Continued on Sheet No. D-81.00)

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**RIDER AFS
(Alternate Feed Service)**

(Continued From Sheet No. D-80.00)

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 \$4.90 per kW.

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.

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

(Continued on Sheet No. D-82.00)

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BY TOBY L. THOMAS
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FORT WAYNE, INDIANA**

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**RIDER AFS
(Alternate Feed Service)**

(Continued From Sheet No. D-81.00)

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

A delayed payment charge of 2% of the total net bill shall be added to any bill which is not paid on or before the due date shown thereon as set forth in Rule 460.1614 of the MPSC Rules. The due date shall be 22 days following the date of transmittal.

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.

Special Terms and Conditions.

This rider is subject to the Company's Terms and Conditions of Standard 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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FORT WAYNE, INDIANA**

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
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ECONOMIC DEVELOPMENT RIDER

Availability of Service.

In order to encourage economic development in the Company's service area, limited-term credits for incremental 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, 2021.

Service under this Rider is intended for 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 taking service from the Company under Tariffs G.S., L.G.S. or L.P. who meet the following requirements:

- (1) A new customer must have a billing demand of 300 kW or more. An existing customer must increase billing demand by 300 kW 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). The Base Maximum Billing Demand for new customers is zero (0).
- (2) The customer must apply for and receive economic development assistance from State or local government or other public agency.
- (3) 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 50 MW.

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 credits 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. However, if a change in ownership occurs after the customer enters into a Contract for service under this Rider, the successor customer may be allowed to fulfill the balance of the Contract under this Rider. Relocation of the delivery point of the Company's service does not qualify as a new service location.

(Continued To Sheet D-84.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

ECONOMIC DEVELOPMENT RIDER

(Continued From Sheet No. D-83.00)

- (3) For existing customers, billing demands for which credits 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 in the determination of the Base Maximum Billing Demand.
- (4) All billing credits offered under this Rider shall terminate no later than December 31, 2026.
- (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 12, B and / or 13, C of the Company's Terms and Conditions of Standard Service.

Determination of Monthly Billing Credit.

The qualifying incremental billing demand shall be determined as the amount by which the billing demand, as determined according to the applicable tariff for the current billing period, exceeds the Base Maximum Billing Demand, multiplied by the current billing period load factor percentage.

The monthly billing credit under this Rider shall be the product of the qualifying incremental billing demand as calculated above and the applicable Billing Credit rate. The monthly billing credit shall be zero if the minimum 300 kW increase over the Base Maximum Billing Demand is not attained that month. Eligible customers taking service under OAD tariffs will use the OAD Billing Credit rate.

The monthly billing credit shall not reduce the customer's bill below the monthly minimum charge as specified in the applicable tariff.

Selection of Credit Option.

Customers meeting all availability and terms and conditions above shall contract for service for a period of eight (8) years under one of the three Credit Options shown below. The Credit Option chosen by the customer shall be specified in the contract for service under this Rider.

(Continued To Sheet D-85.00)

**ISSUED
BY TOBY L. THOMAS
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**EFFECTIVE FOR SERVICE RENDERED ON
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ECONOMIC DEVELOPMENT RIDER

(Continued From Sheet No. D-84.00)

<u>Credit Options</u>	<u>Billing Months in Contract Terms</u>	<u>Billing Credit per \$ per kW</u>	<u>OAD Billing Credit \$ per kW</u>
1 - Inclining	1 st through 12 th	\$7.80	1.95
	13 th through 24 th	\$10.20	2.55
	25 th through 36 th	\$12.00	3.00
	37 th through 48 th	\$13.80	3.45
	49 th through 60 th	\$16.20	4.05
2 - Levelized	1 st through 12 th	\$12.00	\$3.00
	13 th through 24 th	\$12.00	\$3.00
	25 th through 36 th	\$12.00	\$3.00
	37 th through 48 th	\$12.00	\$3.00
	49 th through 60 th	\$12.00	\$3.00
3 - Declining	1 st through 12 th	\$16.20	4.05
	13 th through 24 th	\$13.80	3.45
	25 th through 36 th	\$12.00	3.00
	37 th through 48 th	\$10.20	2.55
	49 th through 60 th	\$7.80	1.95

The appropriate Billing Credit rate based upon the customer-selected Credit Option shall be applicable over a period of 60 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 for service under this Rider and shall terminate by mutual agreement between the Company and the customer.

The start-up period shall not exceed 12 months. At the sole discretion of the Company, the start-up period may be extended up to 12 additional months.

Terms of Contract.

A contract for service under this Rider and for service under the appropriate tariff, shall be executed by the customer and the Company for the time period which includes the start-up period and the minimum eight-year period immediately following the end of the start-up period with the monthly Billing Credits being available for a maximum period of five (5) years. The contract shall specify the Base Maximum Billing Demand, the anticipated total demand, the Credit Option and related provisions to be applicable under this Rider, and the effective date for the contract.

(Continued To Sheet D-86.00)

**ISSUED
 BY TOBY L. THOMAS
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**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
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ECONOMIC DEVELOPMENT RIDER

(Continued From Sheet No. D-85.00)

The customer may discontinue service under this Rider before the end of the contract term only by reimbursing the Company for any Billing Credits received under this Rider according to the following schedule:

Years 1 to 5- 100%
Years 6 to 8- 2.5% per each billing period remaining under the terms of the contract

Special Terms and Conditions.

Except as otherwise provided in this Rider, written agreements shall remain subject to all of the provisions of the appropriate tariff. This Rider is subject to the Company's Terms and Conditions of Service.

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

**EFFECTIVE FOR SERVICE RENDERED ON
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VOLUNTARY GREEN PRICING PROGRAM

Availability of Service

The Voluntary Green Pricing Program (VGP or Rider) is available on a voluntary basis to customers in good standing, taking Standard Service from the Company who desire to have a greater portion of their monthly electric usage attributed to renewable energy resources. Renewable energy available under the VGP will be sourced from Company's solar and wind renewable resources approved in its Renewable Energy Plan (REP).

Conditions of Service

Customers enrolling into the VGP shall choose the percentage of their electric usage, in 10% increments, to be attributed to renewable resources, at a level beyond the renewable energy all customers receive from the Company's generation fleet.

Participating customers that elect to receive at least 50% of the customer's average monthly electricity consumption through the VGP are exempt from paying surcharges for incremental costs of compliance under the Company's REP. Participating customers that elect to receive less than 50% of the customer's average monthly electricity consumption through the VGP will be responsible for the full applicable charges under the VGP and for the incremental costs of compliance under the REP.

The VGP surcharge is designed to recover cost to develop, construct, operate and maintain the subscribed level of renewable resources in addition to the related VGP program management and marketing costs.

Monthly Rate

In addition to the monthly charges determined according to the Company's Standard Service rate schedule, under which the customer takes service, customers taking service under the VGP will be subject to the VGP surcharge for the energy the customer agrees to purchase pursuant to this Rider. The surcharge is a per kWh charge which recovers all costs associated with the renewable energy being provided pursuant to this Rider and program management and marketing costs. The VGP surcharge is \$0.0247 per kWh.

The Company will revise the VGP surcharge on a biennial basis beginning in October, 2019, or more frequent as appropriate.

Customers subscribing to 50% or more of their monthly usage under the VGP will have the current Renewable Energy Surcharge removed from their billing statement.

(Continued on Sheet No. D-88.00)

**ISSUED
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VOLUNTARY GREEN PRICING PROGRAM

(Continued from Sheet No. D-87.00)

Terms of Service

This is a voluntary program. Eligible customers may participate by applying to the Company to add the VGP to the Standard Service tariff under which they are currently served. Once approved, service will begin as soon as practical at one of the customer's regular scheduled meter reading dates. Customers must continue receiving service under this Rider for a minimum of 3 consecutive months, after which Customers or the Company may terminate service under the VGP program by providing at least thirty (30) days' notice to the other party.

Special Terms and Conditions

Renewable energy available under the VGP will be sourced from Company's solar and wind renewable resources approved in its REP by the Commission's Order in Case No. U-17794, and future approved REPs.

Renewable Energy Certificates (REC) resulting from the generation of the energy purchased through the VGP shall be retired by the Company on the participants' behalf. These RECs will be ineligible to be used by the Company to comply with Public Act 295 of 2008, the Michigan Clean, Renewable, and Efficient Energy Act, or similar act or law.

All revenue collected by the Company pursuant to the VGP program will be reconciled annually through the Company's REP. Revenues received from the VGP surcharge, excluding the portion collected for program management and marketing costs, will be credited as an offset to the costs included in the Renewable Energy Surcharge (RES) for all customers.

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FORT WAYNE, INDIANA**

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

RIDER NMS-1
(Net Metering Service for Customer's with Generating Facilities of 20 kW or Less)

Availability of Service

Available for Net Metering Service to customers with qualifying renewable energy source generation facilities designed to operate in parallel with the Company's system. Customers served under this rider must also take Standard Service from the Company under the otherwise applicable tariff.

This Rider is available only to customers participating in Rider NMS-1 prior to February 1, 2020. A customer is "participating" if the customer has a completed application for service under Rider NMS-1 pending before the Company prior to February 1, 2020. A customer who has an application filed with the Company before this date may still be allowed to participate in this rider if the application is found deficient provided the customer cures the deficiency within 60 days.

Customers participating in this rider will have the option to transition to the Distributed Generation Rider (DG Rider) or remain on this rider for a period of 10 years from the customer's original participation date which is defined as the date of meter installation for the net metering service.

The total rated generating capacity of all net metering customers served under this rider shall be limited to one half of one percent (0.5%) of the Company's previous year's peak demand in kW. 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, a qualifying net metering facility is an electrical generating facility that complies with all of the following requirements:
 - (a) As defined in MCL 460.1011(i), utilizes a renewable energy resource that naturally replenishes over a human, not a geological, time frame and that is ultimately derived from solar power, water power, or wind power. Renewable energy resource does not include petroleum, nuclear, natural gas, or coal. A renewable energy resource comes from the sun or from thermal inertia of the earth and minimizes the output of toxic material in the conversion of the energy and includes, but is not limited to, all of the following:
 - i. Biomass
 - ii. Solar and solar thermal energy
 - iii. Wind energy
 - iv. Kinetic energy of moving water, including the following:
 1. Waves, tides or currents
 2. Water released through a dam
 - v. Geothermal energy
 - vi. Municipal solid waste
 - vii. Landfill gas produced by municipal solid waste.

(Continued on Sheet No. D-90.00)

**ISSUED
BY TOBY L. THOMAS
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**EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
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RIDER NMS-1

(Net Metering Service for Customer's with Generating Facilities of 20 kW or Less)

(Continued from Sheet No. D-89.00)

- (b) Has a total rated capacity of 20 kW or less.
- (c) Is located on the customer's premises.
- (d) Is intended primarily to offset all or part of the customer's own electrical load requirements.
- (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.

A customer using biomass blended with fossil fuel as their renewable energy source must submit proof to the Company substantiating the percentage of fossil fuel blend either by (1) separately metering the fossil fuel or (2) providing other documentation that will allow the Company to correctly apply a generation credit to the output associated with the customer's renewable fuel only.

- (2) The customer's generation system shall be sized not to exceed the customer's electric needs. At the customer's option, the generation capacity shall be determined by the aggregate nameplate capacity of the generator or by an estimate of the expected annual kWh output of the generator. At the customer's option, the customer's annual electricity needs shall be determined by one of the following methods: (1) the customer's annual energy usage, measured in kWh, during the previous twelve month period; (2) for a customer with metered demand data available, the maximum integrated hourly demand measured in kW during the previous twelve month period; or (3) in cases where no data, incomplete data or incorrect data for the customer's previous twelve month energy usage exists, or the customer is making changes on-site that will affect the customer's usage, the Company and the customer shall mutually agree on a method to determine the customer's annual electric needs.
- (3) 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 Interconnection Application, including any required application fees. The Company's net metering application fee is \$25 and its interconnection application fee is \$75. The requirements for interconnecting customer electric generating equipment with the Company's facilities are contained in the Commission's Electric Interconnection and Net Metering Standards Rules and the Company's technical requirements for interconnection. The Company will provide copies of all applicable forms and documents to customers upon request.
- (4) An interconnection agreement between the Company and the eligible net metering customer must be executed before the net metering facility may be interconnected with the Company's system.

(Continued on Sheet No. D-91.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**RIDER NMS-1
(Net Metering Service for Customer's with Generating Facilities of 20 kW or Less)**

(Continued from Sheet No. D-90.00)

Metering

The Company may determine the customer's net usage using the customer's existing meter if it is capable of reverse registration or may, at the Company's expense, install a single meter with separate registers measuring power flow in each direction. If the Company uses the customer's existing meter, the Company shall test and calibrate the meter to assure accuracy in both directions. If the customer's meter is not capable of reverse registration and if meter upgrades or modifications are required, the Company shall provide a meter or meters capable of measuring the flow of energy in both directions to the customer at the Company's cost. Only the incremental cost above that for meter(s) provided by the Company to similarly situated nongenerating customers shall be paid by the eligible customer. A generator meter will be supplied to the customer, at the customer's request, at the Company's cost.

The Company may, with the customer's permission and at its own expense, install one or more additional meters to monitor the flow of electricity.

Monthly Charges

Monthly charges for energy, and demand where applicable, to serve the customer shall be determined according to the Company's standard service tariff under which the customer would otherwise be served, absent the customer's electric generating facility.

Monthly charges for energy shall be determined under the customer's standard service tariff and shall be based on the net energy delivered by the Company to the customer, calculated by subtracting the energy, if any, delivered by the customer to the Company from the energy delivered by the Company to the customer.

If the customer's net monthly billing under the standard service tariff is negative during the billing period, credit for the negative net billing shall be at the customer's full retail rate and shall appear on the customer's next monthly bill. Any credit not used to offset current charges shall be carried forward for use in subsequent billing periods. Upon termination of service from the Company, any remaining credit amount shall be refunded to the customer.

Special Terms and Conditions

This rider is subject to the Company's Terms and Conditions of Standard Service and all provisions of the tariff under which the customer takes service. This rider is also subject to provisions of the Company's technical requirements for interconnection.

The Company's net metering program shall be open for customer enrollments for a period of at least ten years from the original effective date of this rider. A participating customer may terminate their participation in this program at any time.

An eligible electric generator shall own any renewable energy credits granted for electricity generated under the net metering program. The Company may purchase or trade renewable energy certificates from a net metering customer if agreed to by the customer.

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

**EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
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DATED
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RIDER NMS-2
(Net Metering Service for Customer's With Generating Facilities Greater than 20 kW)

Availability of Service

Available for Net Metering Service to customers with qualifying renewable energy source generation facilities designed to operate in parallel with the Company's system. Customers served under this rider must also take Standard Service from the Company under the otherwise applicable tariff.

This Rider is available only to customers participating in Rider NMS-2 prior to February 1, 2020. A customer is "participating" if the customer has a completed application for service under Rider NMS-2 pending before the Company prior to February 1, 2020. A customer who has an application filed with the Company before this date may still be allowed to participate in this rider if the application is found deficient provided the customer cures the deficiency within 60 days.

Customers participating in this rider will have the option to transition to the Distributed Generation Rider (DG Rider) or remain on this rider for a period of 10 years from the customer's original participation date, which is defined as the date of meter installation for the net metering service

The total rated generating capacity of all net metering customers served under this rider shall be limited to not more than one quarter of one percent (0.25%) of the Company's previous year's peak demand in kW for customers with a system capable of generating more than 20 kW but not more than 150 kW and not more than one quarter of one percent (0.25%) for customers with a system capable of generating more than 150 kW. 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, a qualifying net metering facility is an electrical generating facility that complies with all of the following requirements:
 - (a) As defined in MCL 460.1011(i), utilizes a renewable energy resource that naturally replenishes over a human, not a geological, time frame and that is ultimately derived from solar power, water power, or wind power. Renewable energy resource does not include petroleum, nuclear, natural gas, or coal. A renewable energy resource comes from the sun or from thermal inertia of the earth and minimizes the output of toxic material in the conversion of the energy and includes, but is not limited to, all of the following:
 - i. Biomass
 - ii. Solar and solar thermal energy
 - iii. Wind energy
 - iv. Kinetic energy of moving water, including the following:
 1. Waves, tides or currents
 2. Water released through a dam
 - v. Geothermal energy
 - vi. Municipal solid waste
 - vii. Landfill gas produced by municipal solid waste.

(Continued on Sheet No. D-93.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

RIDER NMS-2

(Net Metering Service for Customer's With Generating Facilities Greater than 20 kW)

(Continued from Sheet No. D-92.00)

- (b) Has a total rated capacity of greater than 20 kW but not more than 150 kW of aggregate generation at a single site for a renewable energy system and not more than 550 kW of aggregate generation at a single site for a methane digester.
- (c) Is located on the customer's premises.
- (d) Is intended primarily to offset all or part of the customer's own electrical load requirements.
- (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.

A customer using biomass blended with fossil fuel as their renewable energy source must submit proof to the Company substantiating the percentage of fossil fuel blend either by (1) separately metering the fossil fuel or (2) providing other documentation that will allow the Company to correctly apply a generation credit to the output associated with the customer's renewable fuel only.

- (2) The customer's generation system shall be sized not to exceed the customer's electric needs. At the customer's option, the generation capacity shall be determined by the aggregate nameplate capacity of the generator or by an estimate of the expected annual kWh output of the generator. At the customer's option, the customer's annual electricity needs shall be determined by one of the following methods: (1) the customer's annual energy usage, measured in kWh, during the previous twelve month period; (2) for a customer with metered demand data available, the maximum integrated hourly demand measured in kW during the previous twelve month period; or (3) in cases where no data, incomplete data or incorrect data for the customer's previous twelve month energy usage exists, or the customer is making changes on-site that will affect the customer's usage, the Company and the customer shall mutually agree on a method to determine the customer's annual electric needs.
- (3) 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 Interconnection Application, including any required application fees. The Company's net metering application fee is \$25 and its interconnection application fee is \$75. The requirements for interconnecting customer electric generating equipment with the Company's facilities are contained in the Commission's Electric Interconnection and Net Metering Standards Rules and the Company's technical requirements for interconnection. The Company will provide copies of all applicable forms and documents to customers upon request.

(Continued on Sheet No. D-94.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**RIDER NMS-2
(Net Metering Service for Customer's With Generating Facilities Greater than 20 kW)**

(Continued from Sheet No. D-93.00)

- (4) An interconnection agreement between the Company and the eligible net metering customer must be executed before the net metering facility may be interconnected with the Company's system.

Metering

The Company may determine the customer's net usage using the customer's existing meter if it is capable of reverse registration or may, at the Company's expense, install a single meter with separate registers measuring power flow in each direction. If the Company uses the customer's existing meter, the Company shall test and calibrate the meter to assure accuracy in both directions. If the customer's meter is not capable of reverse registration and if meter upgrades or modifications are required, the Company shall provide a meter or meters capable of measuring the flow of energy in both directions to the customer at the Company's cost. For customers with a generation system capable of generating more than 20 kW and up to 150 kW, only the incremental cost above that for meter(s) provided by the Company to similarly situated nongenerating customers shall be paid by the eligible customer. Customers with a generation system capable of generating more than 150 kW shall be responsible for the Company's full cost of providing any necessary additional metering.

For customers served under this rider, the Company shall install and utilize a generation meter to measure the output of the customer's generator. For customers with generation systems capable of generating 150 kW or less, the cost of the meter shall be considered a cost of operating the Company's net metering program and shall be supplied by the Company at no additional cost to the customer. Customers with generation systems capable of generating more than 150 kW shall be responsible for the Company's full cost of providing such additional metering.

The Company may, with the customer's permission and at its own expense, install one or more additional meters to monitor the flow of electricity.

Monthly Charges

Monthly charges for energy, and demand where applicable, to serve the customer shall be determined according to the Company's standard service tariff under which the customer would otherwise be served, absent the customer's electric generating facility. Monthly transmission and distribution charges for energy shall be determined under the customer's standard service tariff and shall be computed based on the energy delivered by the Company to the customer without reduction for the energy, if any, delivered by the customer to the Company.

Monthly generation charges for energy shall be determined under the customer's standard service tariff and shall be based on the net energy delivered by the Company to the customer, calculated by subtracting the energy, if any, delivered by the customer to the Company from the energy delivered by the Company to the customer.

(Continued on Sheet No. D-95.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

RIDER NMS-2
(Net Metering Service for Customer's With Generating Facilities Greater than 20 kW)

(Continued from Sheet No. D-94.00)

If the customer's net monthly generation charge billing under the standard service tariff is negative during the billing period, the negative net generation billing shall not be used to reduce the customer's current monthly bill for transmission and distribution service. Instead, the negative net generation billing amount shall appear on the customer's next bill and shall be allowed to accumulate as a \$ credit to offset generation billing in the next billing period. Unused generation credits, if any, will be carried over from month to month and applied to generation billing in subsequent billing months. Generation credits shall not be used to reduce charges for transmission and distribution service. Upon termination of service from the Company, any remaining credit amount shall be refunded to the customer.

Standby Charges

Customers with a generation system capable of generating more than 150 kW shall pay standby costs. Standby charges for net metering customers on an energy rate schedule shall equal the retail distribution charge applied to the imputed customer usage during the billing period. The imputed customer usage is calculated as the sum of the metered on-site generation and the net of the bidirectional flow of power across the customer interconnection during the billing period. The Commission shall establish standby charges for net metering customers on demand-based rate schedules that provide an equivalent contribution to Company system costs. Standby charges shall not be applied to customers with systems capable of generating 150 kW or less.

Special Terms and Conditions

This rider is subject to the Company's Terms and Conditions of Standard Service and all provisions of the tariff under which the customer takes service. This rider is also subject to provisions of the Company's technical requirements for interconnection.

The Company's net metering program shall be open for customer enrollments for a period of at least ten years from the original effective date of this rider. A participating customer may terminate their participation in this program at any time.

An eligible electric generator shall own any renewable energy credits granted for electricity generated under the net metering program. The Company may purchase or trade renewable energy certificates from a net metering customer if agreed to by the customer.

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FORT WAYNE, INDIANA

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**RIDER ROS
(RESALE OF SERVICE)**

Availability of Service

Available to general service customers who take Standard Service from the Company under Tariffs GS, LGS, or LP and who are currently engaged in Resale of Service (ROS).

Electricity supplied to a customer is for exclusive use on the premises to which it is delivered by the Company. Customers desiring to resell electric service must secure authority from the Company which will be evidenced by a rider attached to the contract for service. Resale of service is available only for customers currently reselling as of April 1, 2006 and is closed to new service or expanded service for resale.

If the reselling customer elects to take service under the Company's Open Access Distribution Service Tariffs, the ultimate user (residential, commercial or industrial customer) shall be served and charged for such service under the Open Access Distribution Service Tariff in the Company's rate schedule available for similar services under like conditions.

The reselling customer shall provide notice to ultimate users of the decision to obtain electric service pursuant to the Open Access Distribution Service Tariff and that as a result, the ultimate user's generation and transmission charges are no longer regulated by the Michigan Public Service Commission.

Multiple Occupancy Buildings

The owner or operator of an office building, apartment building, or shopping center with at least thirty ultimate users (or less at the option of the Company) whose combined requirements regularly exceed 20,000 kilowatt hours per month, may purchase electric energy from the Company for resale to the ultimate users on the condition that service to each ultimate user shall be separately metered, and that the ultimate users shall be charged for such service the current rate of the Company for similar service under like conditions.

No customer may charge any ultimate user more for resold electric service purchased from the Company than the ultimate user would be charged by the Company if served directly. If this requirement is violated, service under this rider may be terminated by the Company. The renting of premises with the cost of electric service included in the rental is held not to be a resale of service. The Company does not furnish nor maintain meters for the resale of energy by customers.

Mobile Home Parks

Mobile home park operators may purchase electric energy from the Company for resale to ultimate users, provided that service to each ultimate user buying energy shall be separately metered and billed no more for resold electric service purchased from the Company than the ultimate user would be charged by the Company if served directly.

(Continued on Sheet No. D-97.00)

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**RIDER ROS
(RESALE OF SERVICE)**

(Continued From Sheet No. D-96.00)

A mobile home park operator shall provide the distribution system in the park and meters acceptable to the Company suitably protected from the weather.

If a mobile home park operator resells energy without complying with the above provisions, service under this rider may be terminated by the Company.

Term of Contract

The customer may take service under any applicable filed tariff listed above but the customer will be required to sign a rider modifying the contract form prescribed for the applicable filed tariff.

A service contract shall provide that each ultimate user's billing shall be audited once every nine (9) to fifteen (15) months. At the option of the reselling customer, the audit will be conducted either by the Company or by an independent auditing firm, approved by the Company. The reselling customer will be assessed a reasonable fee for an audit conducted by the Company. Where the audit is conducted by an independent auditing firm, a certified copy of the results of such audit shall be immediately submitted to the Company in a form approved by the Company.

The service contract shall also provide that the reselling customer will be responsible for the testing of meters used for resale at the time of initially taking service under this Rider and at least once every three (3) years thereafter, and the accuracy of such meters shall be maintained within the limits as prescribed in Michigan Public Service Commission Order No. U-6400. Meters shall only be tested by the Company for a reasonable fee or by outside testing services or laboratories approved by the Company with a certified copy of all testing results immediately submitted to the Company.

A record of each meter, including testing results, shall be kept by the reselling customer during use of the meter and for an additional period of one year thereafter. When requested, the reselling customer shall submit certified copies of testing service or laboratory results to the Company or the Michigan Public Service Commission.

The reselling customer shall supply each ultimate user with an electrical system adequate to meet the needs of the ultimate user with respect to the nature of service, voltage level, and other conditions of service.

If a reselling customer fails to meet the obligations under this rider, the Company shall immediately notify the Michigan Public Service Commission Staff. If, after review with the reselling customer, the problem is not resolved, the Company will discontinue electric service until such time as the problem is resolved. The Company shall not incur any liability as the result of this discontinuance of electric service.

Notwithstanding Rules 460.3901 (1) through (4), a deposit may be required from Rider ROS customers in an amount not to exceed six times the peak season monthly bill for service under this Rider.

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

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
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**RIDER HEM
(Home Energy Management Rider)**

Availability of Service.

Available on a voluntary basis for customers receiving residential electric service who desire to participate in a state-of-the art energy management program.

For non-owner occupied multi-family dwellings, the Company may require property owner authorization for customers to install the required smart, WiFi enabled load control equipment and, if necessary, auxiliary communicating devices such as remote sensors or additional control devices. Customers will not be eligible for this rider if the property owner does not allow installation of such equipment.

Program Description.

To participate, customers, or their authorized agents, must install program compliant smart, WiFi enabled load control equipment, connect that equipment to their home WiFi broadband internet connection, and maintain that connection for the duration of the program. Also, if necessary, the customer must install any program required auxiliary communicating devices to further facilitate the program's management and control of certain customer owned loads. All such devices shall be installed at a time that is consistent with the orderly and efficient deployment of this program. Customer load control equipment must comply with the Company's approved list of devices. Initially, the Company will determine and provide a program smart, WiFi thermostat compliant list, but as technology, device capability, and the program's energy management platform evolves, the Company may allow and provide for additional approved devices, where the program is eventually anticipated to accommodate a Bring Your Own Device (BYOD) energy management capability.

The Company will utilize an energy management software platform that will operate and control customer load control devices to reduce and optimize customer's energy use. The Company's energy management platform will operate to optimize energy use through load shaping to achieve optimum and efficient customer use of electricity.

Program energy management activities can occur during peak and non-peak periods determined at the sole discretion of the Company. The Company will utilize a continuous load shaping strategy where energy management activities undertaken through this program will occur within customer-selected home temperature threshold set points to minimize customer comfort impact. However, other energy management strategies may be employed and evaluated to determine the strategy that optimizes energy reduction without affecting customer comfort within the pre-determined customer preference set points. Energy management activities will focus on control of the central electric cooling/heat pump unit(s) during any month of the year.

Peak period energy management events shall curtail customer load based on system need, at the sole discretion of the Company, during the months of May through September and shall not exceed 15 events per year with no single event lasting more than six (6) consecutive hours and no more than one event per day.

(Cont'd on Sheet No. D-99.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**RIDER HEM
(Home Energy Management Rider)**

(Cont'd from Sheet No. D-98.00)

Non-peak energy management activities will seek to optimize customer central electric cooling/heat pump unit(s) usage according to customer selected home temperature threshold set points in order to minimize customer comfort impact but maximize efficient operation of the equipment to achieve reduced energy consumption for the relevant operation period of the year for this equipment.

The Company may communicate events to customers through the energy management platform, via a smart phone application push notification, or via email or other electronic notification means. The customer may opt out of an energy management event by adjusting the temperature set point of the thermostat. The Company's energy management software algorithm will facilitate and accept the temperature adjustment as an event opt out unless customer internet and WiFi connectivity issues inhibit such activity.

Energy Management Credit.

Customers shall receive a monthly billing credit for the number of peak period energy management events called and participated in per month for each central electric cooling/heat pump unit controlled during the billing months of May through September. Monthly billing credits will be calculated and applied to customer bills at \$1.95 per event called and participated in, based upon final determination of event participation and Company billing period cycles. For the purpose of determining the total annual Energy Management Credit, peak period energy management events shall not exceed 15 events per year and shall occur only during the months of May through September.

Customers that opt out of energy management events shall not be eligible for a billing credit for those events. Customers shall not be eligible for energy management credits if the Company's energy management platform cannot manage customer loads during peak period events due to issues such as customer internet and/or WiFi outages or lack of connectivity.

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

No monthly billing credit will be provided or paid to customers for non-peak period energy management activities that seek to optimize and reduce the customers' energy consumption through this program.

Contract.

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

(Cont'd on Sheet No. D-100.00)

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**ISSUED UNDER AUTHORITY OF THE
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**RIDER HEM
(Residential Home Energy Management Rider)**

(Cont'd from Sheet No. D-99.00)

Equipment.

The customer, or its authorized agent, will furnish and install, smart, WiFi enabled and broadband internet connected load control equipment, and, if necessary, an auxiliary communicating device. All equipment will be owned and maintained by the customer, from installation, throughout program participation, and until such time as the Home Energy Management Program is discontinued or the customer requests to be removed from the program after completing the initial period of one (1) year. At that time, the Company will cease both its energy management and control of the program equipment, along with any auxiliary communicating devices, and the Energy Management Credit provided for by the program.

Should the customer lose, damage, or not maintain the required WiFi and internet connectivity of the load control devices or auxiliary communicating equipment, the Company will contact the customer in an attempt to reinstate program required equipment functionality. If such attempts by the Company do not facilitate reinstatement of the program required functionality, the Company will remove the customer from the program and will cease the Energy Management Credit. Customer will receive credits for any events called and participated in by the customer prior to removal from the program.

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 offer the program to customers who cannot maintain WiFi and internet connectivity for required functionality of the load control equipment, or if the continued operation of the program cannot be justified for reasons such as: customer preference, electric power market conditions, technological functionality and limitations, safety concerns, or abnormal customer premise conditions, including vacation or other limited occupancy residences.

The Company and its authorized agents shall confirm installation through WiFi and internet connectivity of the load control device(s). In the event full WiFi and internet connectivity is not available, the Company may require access to inspect the load control device(s) and/or provide the customer thirty (30) days to successfully restore or provide full WiFi and internet connectivity. Should full WiFi and internet connectivity not be available after 30 days, the customer will be promptly removed from the program and the Energy Management Credit discontinued 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.

Customer-specific information within data collected during the course of this energy management and control program will be held as confidential and data presented in any analysis will protect the identity of the individual customer.

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FORT WAYNE, INDIANA**

**EFFECTIVE FOR SERVICE RENDERED ON
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**ISSUED UNDER AUTHORITY OF THE
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DATED
IN CAUSE NO. U-20359**

**RIDER WEM
(Work Energy Management Rider)**

Availability of Service

Available on a voluntary basis to customers taking firm service from the Company under Tariffs GS, GS-TOD, GS-TOD2, LGS, LP, MS, WSS, or EHS who have the ability to reduce consumption under the provisions of this rider. The Company's Work Energy Management (WEM) program provides participating customers an opportunity to voluntarily respond to locational marginal prices (LMP) by reducing consumption and receiving payment for such reduction during those times when LMP prices are high.

For non-owner occupied commercial and industrial buildings, the Company may require customers to obtain permission from the building owner to install the required load control equipment and, if necessary, auxiliary communicating devices such as remote sensors or additional control devices. Customers will not be eligible for this rider if the owner does not allow installation of such equipment or does not agree to program terms and requirements through a contractual agreement.

Customers participating in this rider are not eligible for enrollment in any other Company or PJM Interconnection, L.L.C. RTO (PJM) demand response program.

Conditions of Service

- (1) The Company reserves the right to make changes to this rider in order to continue effective program operation.
- (2) An interval meter is required. The Company will provide this meter as part of the program to qualifying participants.
- (3) The Company will inform the participant regarding the communication process and timing required to participate in this program and rider. The customer is ultimately responsible for receiving and acting upon notifications as part of this program and rider.
- (4) Participants shall not receive credit for any curtailment periods to the extent that the customer's program managed 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 Company's program that causes the customer's energy consumption to fall outside of that considered normal operating conditions.

Program Description

To participate, customers, or their authorized agents, must allow the Company and its authorized agents to install program compliant load control equipment, connect that equipment to Company owned communication equipment, and maintain both the load control equipment and associated communication equipment connections for the duration of the program. Also, if necessary, the customer must allow the Company to install any program required auxiliary communicating devices to further facilitate the program's management and control of certain customer loads and/or customer sited electric power supply equipment as deemed necessary and appropriate for program operation. The program will initially, but not exclusively, focus on the customer's end-use lighting and

(Cont'd on Sheet No. D-102.00)

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**ISSUED UNDER AUTHORITY OF THE
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**RIDER WEM
(Work Energy Management Rider)**

(Cont'd from Sheet No. D-101.00)

HVAC unit(s) loads for program remote control and management. Load control equipment available to participate in the program will be jointly determined and agreed upon by the Company, the Company's authorized agents and the customer. All such devices shall be installed at a time that is consistent with the orderly and efficient deployment of this program. The load control equipment must comply with the Company's approved list of devices. The customer must allow the Company to interface both through software algorithms and hardware devices to existing customer end-use load and communication equipment. The Company and its authorized agents will perform an initial site survey in order to fully determine and assess the viability of customer end use load and electric energy usage and consumption patterns to validate customer participation and program effectiveness. The Company and its authorized agents will maintain all program equipment installed on customer premises for the duration of the customer's participation of the program. The Company and its authorized agent will provide customer access and use of program energy management and control software for the duration of the customer's participation in the program.

The Company will utilize an energy management software platform that will operate and control customer load control devices to reduce customer's demand and energy use. The Company's energy management platform will operate to optimize energy use through load shaping to achieve optimum and efficient customer use of electricity. Energy reductions will be coordinated during electric power system peak load periods determined at the sole discretion of the Company. Non-emergency energy management events can occur for up to 800 hours per year with no single event lasting more than six (6) consecutive hours. The Company plans to initially target energy management events for up to 487 hours per year but reserves the right to undertake energy management events up to 800 hours per year according to, and appropriate for, individual Customer load profiles and business operating conditions and requirements. The Company and its authorized agent may utilize a load shaping strategy; however, other strategies may be employed and evaluated to determine the strategy that optimizes energy reduction without significantly affecting predetermined customer business preferences, operating conditions, and requirements.

Energy management events will be called according to and in alignment with predetermined customer preferences and business requirements. Non-emergency energy management events shall not exceed 800 hours per year and depend upon individual customer load profile and energy use footprint.

The customer may opt out of a non-emergency energy management event through the program energy management system software platform or by contacting the Company and/or its authorized agent personnel. The Company's energy management software algorithm will facilitate and accept the event opt out. The Company will communicate events to customers through the energy management platform and via other means required by the customer. The method of event notification may change as determined by the Company and in conjunction with customers, to email or other electronic notification means.

(Cont'd on Sheet No. D-103.00)

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**RIDER WEM
(Work Energy Management Rider)**

(Cont'd from Sheet No. D-102.00)

Energy Management Credit

Customers will only receive either a monthly or annual payment, as mutually agreed upon by each customer and the Company, based on the Hourly Curtailed Energy and 90% of the applicable LMP (Day-Ahead) established by PJM (including congestion and marginal losses) . Energy Management Credits will vary based on market hourly energy prices and program effectiveness as determined by the Company and its authorized agent. No payment will be made to customers who opt out of energy management activity for the period of time that the customer opted out for. The Company may assess a penalty to customers who opt out of Company determined system emergency conditions at a penalty rate consistent with and based upon the Company's cost to provide such opt out energy during emergency conditions.

Equipment

The Company, and its authorized agent, will furnish and install load control equipment, and, as necessary, auxiliary communicating devices at the customer's premise. All equipment will be owned and maintained by the Company and its authorized agent until such time as the Work Energy Management Program is discontinued or the customer requests to be removed from the program after completing the initial period of three (3) years. At that time, the Company will cease both its energy management and control of the load control equipment and any auxiliary communicating devices, remove Company owned program equipment, and cease annual customer incentives paid by the program.

Should the customer lose, damage, or not allow the Company and its authorize agent to operate and maintain the required load control devices and auxiliary communicating equipment, the Company and its authorized agent will contact the customer in an attempt to re-instate program required equipment functionality. If such attempts by the Company do not facilitate reinstating the program required functionality, the Company will remove the customer from the program, remove Company owned equipment, and will cease the program customer incentive payments.

Contract

Participating customers must agree to participate for an initial period of not less than three (3) years and shall remain a participant thereafter until either party gives at least six months' written notice to the other of the intention to discontinue participation under the terms of this rider.

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.

(Cont'd on Sheet No. D-104.00)

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FORT WAYNE, INDIANA**

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**RIDER WEM
(Work Energy Management Rider)**

(Cont'd from Sheet No. D-103.00)

Customer Baseline Load Calculation

The Company will utilize the energy management platform data and Company billing system data to determine a Customer Baseline Load (CBL) for each hour corresponding to each curtailment event hour in order to determine the amount of energy reduced for Energy Management Credit purposes. The CBL shall accurately reflect the customer's normal consumption profile, to the extent possible. The Company will provide to each WEM program customer how the CBL is determined.

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 offer the program to customers when the Company and its authorized agent cannot maintain the required functionality of the load control equipment, or if the continued operation of the program cannot be justified for reasons such as: customer preference, electric power market conditions, technological functionality and limitations, safety concerns, or abnormal customer premise conditions, 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 confirm installation and connectivity of the 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, the Company may discontinue the Energy Management 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 will collect data during the course of this energy management and control program. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.

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**DG Rider
(Distributed Generation Rider)**

Distributed Generation Rider

The combination of the customer's retail rate schedule and this rider (Rider) constitutes the cost-based distributed generation (DG) tariff pursuant to Public Act 341 of 2016 Section (6)(a)(14). The customer is billed according to their retail rate schedule for all Inflow and receives a credit in dollars, rather than kWh, based on the Outflow Credit provision shown on the Rider.

The credit for outflow during the billing month is applied to the total monthly bill less the monthly customer charge. The customer will always pay the monthly customer charge. Any unused outflow bill credit is added to any unused bill credit from previous months and carried forward to the next month. The utility will not issue a check for unused bill credit unless the customer leaves the DG program.

DISTRIBUTED GENERATION PROGRAM

A. The Distributed Generation Program is offered as authorized by 2008 PA 295, as amended, 1939 PA 3, as amended by 2016 PA 341, Section (6) (a) (14), and the Commission in Case No. U-20359.

B. Distributed Generation Definitions

- (1) A Category 1 distributed generation customer has one or more Eligible Electric Generators with an aggregate nameplate capacity of 20 kW or less that use equipment certified by a nationally recognized testing laboratory to IEEE 1547.1 testing standards and is in compliance with UL 1741 scope I.IA located on the customer's premises and metered at a single point of contact.
- (2) A Category 2 distributed generation customer has one or more Eligible Electric Generators with an aggregate nameplate capacity greater than 20 kW but not more than 150 kW located on the customer's premises and metered at a single point of contact.
- (3) A Category 3 distributed generation customer has one or more methane digesters with an aggregate nameplate capacity greater than 150 kW but not more than 550 kW located on the customer's premises and metered at a single point of contact.
- (4) Eligible Electric Generator- a renewable energy system or a methane digester with a generation capacity limited to no more than 100% of the customer's electricity consumption for the previous 12 months and does not exceed the following:
 - a. For a renewable energy system, 150 kW of aggregate generation at a single site
 - b. For a methane digester, 550 kW of aggregate generation at a single site
- (5) Inflow - the metered inflow delivered by the Company to the customer during the billing month or time-based pricing period.

(Continued on Sheet D-106.00)

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**DG Rider
(Distributed Generation Rider)**

(Continued from Sheet D-106.00)

- (6) Outflow - the metered quantity of the customer's generation not used on site and exported to the utility during the billing month or time-based pricing period.
- (7) Renewable Energy Resource - a resource that naturally replenishes over a human, not a geological, timeframe and that is ultimately derived from solar power, waterpower or wind power. Renewable energy resource does not include petroleum, nuclear, natural gas, or coal. A renewable energy resource comes from the sun or from thermal inertia of the earth and minimizes the output of toxic material in the conversion of the energy and includes, but is not limited to, all of the following:
 - (i) Biomass
 - (ii) Solar and solar thermal energy
 - (iii) Wind energy
 - (iv) Kinetic energy of moving water, including the following:
 - a. waves, tides or currents
 - b. water released through a dam
 - (v) Geothermal energy
 - (vi) Thermal energy produced from a geothermal heat pump
 - (vii) Any of the following cleaner energy resources:
 - a. Municipal solid waste, including the biogenic and anthropogenic fractions
 - b. Landfill gas produced by municipal solid waste
 - c. Fuel that has been manufactured in whole or significant part from waste, including, but not limited to, municipal solid waste. Fuel that meets the requirements of this subparagraph includes, but is not limited to, material that is listed under 40 CFR 241.3(b) or 241.4(a) or for which a non-waste determination is made by the United States Environmental Protection Agency pursuant to 40 CFR 241.3(c). Pet coke, hazardous waste, coal waste, or scrap tires are not fuel that meets the requirements of this subparagraph.

C. Distributed Generation Program Availability

The Distributed Generation Program is available for eligible Distributed Generation customers beginning February 1, 2020.

A customer participating in a net metering program approved by the Commission before February 1, 2020 shall have the option to take service under this DG rider. Service under the existing net metering rider shall terminate after a period of 10 years from the customer's original participation date, which is defined as the date of meter installation for the net metering service. At the time service under the terms and conditions of the net metering program terminates in accordance with MCL 463.0183(1), the customer may transition to this Rider.

(Continued on Sheet D-108.00)

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**EFFECTIVE FOR SERVICE RENDERED ON AND
AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

**DG Rider
(Distributed Generation Rider)**

(Continued from Sheet D-106.00)

The Distributed Generation Program is voluntary and available on a first come, first served basis for new customer participants or existing customer participants increasing their aggregate generation. The combined legacy net metering and DG program size is equal to 1.0% of the Company's average in-state peak load for Full-Service customers during the previous 5 calendar years. Within the Program capacity, 0.5% is reserved for Category 1 Distributed Generation customers, 0.25% is reserved for Category 2 Distributed Generation customers and 0.25% is reserved for Category 3 Distributed Generation customers. The Company shall notify the Commission upon the Program reaching capacity in any Category. If an existing customer who participates in either Rider NMS-1 or Rider NMS-2 increases their aggregate generation on or after February 1, 2020, then all generation on site will be subject to the terms and conditions of this rider.

D. Customer Eligibility

In order to be eligible to participate in the Distributed Generation Program, customers must generate a portion or all of their own retail electricity requirements with an Eligible Electric Generator which utilizes a Renewable Energy Resource, as defined in Rule CI I.B, Distributed Generation Definitions.

A customer's eligibility to participate in the Distributed Generation Program is conditioned on the full satisfaction of any payment term or condition imposed on the customer by pre-existing contracts or tariffs with the Company, including those imposed by participation in the Distributed Generation Program, or those required by the interconnection of the customer's Eligible Electric Generator to the Company's distribution system.

E. Customer Billing on Inflow - Category 1, 2 and 3 Customers

- (1) Full Service Customers
The customer will be billed according to their retail rate schedule, plus surcharges, and Power Supply Cost Recovery (PSCR) Factor on metered Inflow for the billing period or time-based pricing period.
- (2) Retail Open Access Customers
The customer will be billed as stated on the customer's Retail Open Access Rate Schedule on metered Inflow for the billing period or time-based pricing period.

F. Customer Billing - Outflow Credit

The customer will be credited on outflow for the billing period or time-based pricing period. The credit shall be applied to the current billing month and shall be used to offset charges on that bill. The credit shall not offset the customer service charge. Any excess credit not used will be carried forward to subsequent billing periods. Unused outflow credit from previous months will be applied to the current billing month, if applicable. Outflow credit is non-transferable.

(Continued on Sheet D-108.00)

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

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**DG Rider
(Distributed Generation Rider)**

(Continued from Sheet D-107.00)

- (1) Full Service Customers
The customer will be credited for each kW or kWh of outflow according to their specific rate schedule's combined Capacity and Non-Capacity Power Supply rates plus the PSCR factor.
- (2) Retail Open Access Customers
The Outflow Credit will be determined by the Retail Service Supplier

G. Application for Service

In order to participate in the Distributed Generation Program, a customer shall submit completed Interconnection and Distributed Generation Program Applications, including the application fee of \$50 to the Company. The Distributed Generation Program application fee is waived if the customer is transitioning from the Net Metering Program. If a customer does not act or correspond on an application for over 6 months, when some action is required by the customer, the application may be voided by the Company.

H. Generator Requirements

The Eligible Electric Generator(s) must be located on the customer's premises, serving only the customer's premises and must be intended primarily to offset a portion or all of the customer's requirement for electricity.

The customer's requirement for electricity shall be determined by one of the following methods:

- (1) The customer's annual energy usage, measured in kWh, during the previous 12-month period
- (2) In instances where complete and correct data is not available or where the customer is making changes on-site that will affect total usage, the Company and the customer shall mutually agree on a method to determine the customer's annual electric requirement

The aggregate capacity of Eligible Electric Generators shall be determined by the aggregate projected annual kWh output of the generator(s). The customer is required to provide the Company with a nameplate capacity rating in kW of the generating unit and a projected monthly and annual Kilowatt-hour output of the generating unit when completing the Company's Distributed Generation Program Application.

The customer need not be the owner or operator of the eligible generation equipment, but is ultimately responsible for ensuring compliance with all technical, engineering and operational requirements suitable for the Company's distribution system.

I. Generator Interconnection Requirements

The requirements for interconnecting a generator with the Company's facilities are contained in Rule B8., Electric Interconnection and Distributed Generation Standards, the Michigan Electric Utility Generator Interconnection Requirements and the Company's Generator Interconnection Supplement to Michigan Electric Utility Generator Interconnection Requirements. All such interconnection requirements must be met prior to the effective date of a customer's participation in the Distributed Generation Program. The customer must sign an Interconnection and Operating Agreement with the Company and fulfill all requirements as specified in the Agreement. The customer shall pay actual interconnection costs associated with participating in the Distributed Generation Program, subject to limits established by the Michigan Public Service Commission.

(Continued on Sheet D-109.00)

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**DG Rider
(Distributed Generation Rider)**

(Continued from Sheet D-108.00)

J. Metering Requirements

Metering requirements shall be specified by the Company, as detailed below. All metering must be capable of recording inflow and outflow and all parameters metered on the customer's otherwise applicable retail rate schedule, for both Full Service and Retail Open Access customers.

K. Distribution Line Extension and/or Extraordinary Facilities

The Company reserves the right to make special contractual arrangements with Distributed Generation Program customers whose utility service requires investment in electric facilities, as authorized by the Company's Rule Cl .4, Extraordinary Facility Requirements and Charges, Rule Cl .6, General Provisions of Service, and Rule C6., Distribution Systems, Line Extensions and Service Connections, as set out in the Company's Electric Rate Book. The Company further reserves the right to condition a customer's participation in the Distributed Generation Program on a satisfactory completion of any such contractual requirements.

L. Customer Termination from the Distributed Generation Program

A participating customer may terminate participation in the Company's Distributed Generation Program at any time for any reason on sixty days' notice. In the event that a customer who terminates participation in the Distributed Generation Program wishes to re-enroll, that customer must reapply as a new program participant, subject to program size limitations, application queue and application fees.

The Company may terminate a customer from the Distributed Generation Program if the customer fails to maintain the eligibility requirements, fails to comply with the terms of the operating agreement, or if the customer's facilities are determined not to be in compliance with technical, engineering, or operational requirements suitable for the Company's distribution system. The Company will provide sixty days' notice to the customer prior to termination from the Distributed Generation Program, except in situations the Company deems dangerous or hazardous. Such notice will include the reason(s) for termination.

Upon customer termination from the Distributed Generation Program, any existing credit on the customer's account will either be applied to the customer's final bill or refunded to the customer. The Company will refund to the customer any remaining credit in excess of the final bill amount. Distributed Generation Program credit is non-transferrable.

M. Company Termination of the Distributed Generation Program

Company termination of the Distributed Generation Program may occur upon receipt of Commission approval. Upon Company termination of the Distributed Generation Program, any existing credit on the customer's account will either be applied to the customer's final bill or refunded to the customer. The Company will refund to the customer any remaining credit in excess of the final bill amount. Distributed Generation Program credit is non-transferrable.

(Continued on Sheet D-110.00)

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**DG Rider
(Distributed Generation Rider)**

(Continued from Sheet D-109.00)

N. Distributed Generation Program Status and Evaluation Reports

The Company will submit an annual status report to the Commission Staff by March 31 of each year including Distributed Generation Program data for the previous 12 months, ending December 31. The Company's status report shall maintain customer confidentiality.

O. Renewable Energy Credits

Renewable Energy Credits (RECs) are owned by the customer.

The Company may purchase Renewable Energy Credits from participating Distributed Generation Program customers who are willing to sell RECs generated if the customer has a generator meter in place to accurately measure and verify generator output. REC certification costs are the responsibility of the customer.

The Company will enter into a separate agreement with the customer for the purchase of any RECs.

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APPLICABLE POWER SUPPLY AND DELIVERY CHARGE SURCHARGES AND RIDERS

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APPLICABLE POWER SUPPLY AND DELIVERY CHARGE SURCHARGES AND RIDERS

Commission-approved surcharges and riders applicable to Standard Service customers only:

Power Supply Charges Applicable to Standard Service Customers	Sheet No.
Power Supply Cost Recovery Factor	D-115.00
Rate Realignment Surcharge/Credit	D-117.00
Renewable Energy Surcharge	D-120.00

Commission-approved surcharges and riders applicable to Standard Service and Open Access Distribution Service customers:

Delivery Charges Applicable to Standard Service and Open Access Distribution Service customers	Sheet No.
Energy Waste Reduction Surcharge	D-118.00
Nuclear Decommissioning Surcharge	D-119.00
Net Lost Revenue Tracker Surcharge	D-121.00
Low-Income Energy Assistance Fund Surcharge	D-122.00
Phase-in Rate Adjustment Credit Rider	D-123.00

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FORT WAYNE, INDIANA**

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POWER SUPPLY COST RECOVERY FACTOR

This clause permits the monthly adjustment of rates for power supply to allow recovery of the booked costs, including transportation costs, reclamation costs, and disposal and reprocessing costs, of fuel burned for electric generation, the booked costs of purchased and net interchange power transactions and the cost of transmission service incurred under reasonable and prudent policies and practices. All rates for standard Michigan retail electric service, unless otherwise provided in the applicable rate schedule, shall include a Power Supply Cost Recovery factor.

For purposes of this clause, the following definitions apply:

"Power supply cost recovery factor" means that element of the rates to be charged for electric service to reflect power supply costs incurred and made pursuant to a power supply cost recovery clause incorporated in the rates or rate schedule.

"Power supply cost recovery plan" means a filing made at least annually describing the expected sources of electric power supply and changes over a future 12-month period specified by the Commission and requesting for each of those 12 months a specific power supply cost recovery factor.

"Power supply costs" means those elements of allowable costs of fuel, purchased and net interchanged power costs, and transmission costs as determined by the Commission to be included in the calculation of the power supply cost recovery factor.

"Cost of power" means those elements of costs of fuel and purchased and net interchanged power costs as determined by the Commission to be recovered in base rates pursuant to a general rate proceeding but which are not allowable in the calculation of the monthly power supply cost recovery factor.

The Power Supply Cost Recovery factor shall, in accordance with the hearing procedures adopted by the Michigan Public Service Commission, consist of 0.01041 mills per kWh for each full .01 mill per kWh of power supply costs, rounded to the nearest .01 mills per kWh, less an amount of 38.56 mills per kWh representing power supply costs included in base rates.

The power supply cost recovery factor to be applied to the Company's Michigan retail customers' monthly kilowatt-hour usage represents the power supply costs as established by Commission order pursuant to a power supply and cost review hearing conducted by the Commission. The power supply and cost review will be conducted not less than once a year for the purpose of evaluating the power supply cost recovery plan filed by the Company and to authorize an appropriate power supply cost recovery factor. Contemporaneously with its power supply cost recovery plan, the Company will file a five-year forecast of the power supply requirements of its customers, its anticipated sources of supply, and projections of power supply costs.

Not more than 45 days following the last day of each billing month in which a power supply cost recovery factor has been applied to customers' bills, the Company shall file with the Commission a detailed statement for that month of the revenues recorded pursuant to the power supply cost recovery factor, the allowance for cost of power included in the base rates established in the latest Commission order for the Company, and the cost of power supply.

(Continued to Sheet No. D-116.00)

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

**EFFECTIVE FOR BILLS RENDERED
FOR THE 2020 PSCR PLAN YEAR**

**ISSUED UNDER AUTHORITY OF
1982 PA 304, SECTION 6(j) AND THE
MICHIGAN PUBLIC SERVICE COMMISSION
IN CASE NOS. U-20359 AND U-20529**

POWER SUPPLY COST RECOVERY FACTOR

(Continued from Sheet No. D-115.00)

Not less than once a year and not later than 90 days after the end of the 12-month period covered by the Company's most recently authorized power supply cost recovery plan, a power supply cost reconciliation proceeding will be commenced to reconcile the revenues recorded pursuant to the power supply cost recovery factor and the allowance for cost of power included in the base rates as established by the Commission under the Company's most recent power supply cost recovery plan, among other things. The Company shall be required to refund to customers, or to credit to customers' bills any net amount, plus interest, determined to have been recovered which is in excess of the amounts properly expensed by the Company for power supply. The Company shall recover from customers any net amount, plus interest, by which the amount determined to have been recovered over the period covered was less than the amount determined to have been properly expensed by the Company for power supply.

Maximum allowable Power Supply Cost Recovery Factors approved by the Commission:

(1)	(2)	(3)	(4)
Billing Month	Total PSCR Costs (Mills/kWh)	PSCR Costs In Base Rates (Mills/kWh)	PSCR Factor Charge/(Credit) (Mills/kWh)
			(Col. 2 - Col. 3)
May - Dec 2018	41.74	37.71	4.03
Jan - Dec 2019	33.14	37.71	(4.57)

Should the Company apply a lesser factor than the above, or if the factor is later revised pursuant to Commission Orders or 1982 PA 304, the Company will notify the Commission if necessary and file a revision to the above list.

Actual Power Supply Cost Recovery factors billed pursuant to 1982 PA 304, Section 6j(9):

(1)	(2)	(3)	(4)
Billing Month	Total PSCR Costs (Mills/kWh)	PSCR Costs In Base Rates (Mills/kWh)	PSCR Factor Charge/(Credit) (Mills/kWh)
			(Col. 2 - Col. 3)
May – Oct 2018	41.74	37.71	4.03
Nov – Dec 2018	33.14	37.71	(4.57)
Jan – Dec 2019	33.14	37.71	(4.57)
Jan 2020	35.61	37.71	(2.10)
Feb – Dec 2020	35.61	38.56	(2.95)

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

**EFFECTIVE FOR BILLS RENDERED
FOR THE 2020 PSCR PLAN YEAR**

**ISSUED UNDER AUTHORITY OF
1982 PA 304, SECTION 6(j) AND THE
MICHIGAN PUBLIC SERVICE COMMISSION
IN CASE NOS. U-20359 AND U-20529**

RATE REALIGNMENT SURCHARGE/CREDIT

All customer bills subject to the provisions of this surcharge, including any bills rendered under special contract, shall be adjusted by the Rate Realignment Surcharge/Credit charge per kWh as follows:

Tariff	Year 1
	(¢/kWh)
RS, RS-TOD, RS-OPES, RS-PEV, RS-SC, and RS-TOD2	0.0234
GS, GS-TOD, GS-PEV and GS-TOD 2	0.0210
LGS	0.0147
LP and CS-IRP	0.0126
MS	0.0211
WSS	0.0141
EHS	0.0208
IS	(6.5820)
OSL	0.0455
SLS, SLC, ECLS and SLCM	0.0270

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PRESIDENT
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**EFFECTIVE FOR SERVICE RENDERED ON
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**SURCHARGE RIDER EWR
(ENERGY WASTE REDUCTION SURCHARGE RIDER)**

Energy Waste Reduction surcharges allow for the recovery of costs of implementing and conducting an approved energy waste reduction plan.

Energy Waste Reduction surcharges shall be revised annually in accordance with Sections 89(3) and 89(7) of 2008 PA 295, as amended by 2016 PA 342.

All customer bills subject to the provisions of this rider, including any bills rendered under special contract, shall be adjusted by the Energy Waste Reduction Surcharge Rider per kWh or Customer as follows:

Tariff	¢/kWh	\$/Customer/Mo.
RS, RS-TOD, RS-TOD2, RS-OPES, RS-PEV and RS-SC	0.273	
GS, GS TOD, GS-TOD2, GS-PEV		9.03
GS (UNMETERED)	0.341	
LGS		827.93
LP		827.93
MS		9.03
WSS		9.03
CS-IRP		827.93
RTP		827.93
EHS		9.03
IS		9.03
OSL (UNMETERED)	0.341	
SLS, SLC AND ECLS (UNMETERED)	0.341	
SLCM		9.03

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NUCLEAR DECOMMISSIONING SURCHARGE

All customer bills subject to the provisions of this surcharge, including any bills rendered under special contract, shall be adjusted by the Nuclear Decommissioning Surcharge per kWh as follows:

Tariff	¢/kWh
RS, RS-TOD, RS-OPES, RS-PEV, RS-SC, and RS-TOD2	0.0467
GS, GS-TOD, GS-PEV and GS-TOD 2	0.0527
LGS	0.0482
LP and CS-IRP	0.0418
MS	0.0588
WSS	0.0443
EHS	0.0303
IS	0.0733

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RENEWABLE ENERGY SURCHARGE

All customer bills subject to the provisions of this surcharge, including any bills rendered under special contract, shall be adjusted by the Renewable Energy Surcharge adjustment as follows:

Tariff		\$ / Month
RS, RS-TOD, RS-OPES, RS-SC, RS-TOD2, and RS-PEV		3.00
GS-Sec, GS-TOD, GS-TOD2, GS-PEV, WSS-Sec, LGS-Sec, MS, EHS, IS, SLS, SLC, ECLS, and SLCM	Monthly Consumption: 0-400 kWh per month 401-850 kWh per month 851-1,650 kWh per month Above 1,650 kWh per month	4.00 8.00 12.00 16.58
GS-Pri, GS-Sub, LGS-Pri, LGS-Sub, LP, WSS-Pri, WSS-Sub, and CS-IRP	Monthly Consumption: 0-11,500 kWh per month 11,501-41,500 kWh per month Above 41,500 kWh per month	16.58 140.00 187.50

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NET LOST REVENUE TRACKER SURCHARGE

All customer bills subject to the provisions of this surcharge, including any bills rendered under special contract, shall be adjusted by the Net Lost Revenue Tracker Surcharge per kWh or Customer as follows:

Tariff	Power Supply		Delivery		Total	
		\$/Customer/Mo.		\$/Customer/Mo.		\$/Customer/Mo.
RS, RS-TOD, RS-TOD 2, RS-OPES, RS-PEV and RS-SC		0.00		0.00		0.00
GS (UNMETERED)		0.00		0.00		0.00
GS, GS-TOD, GS-PEV and GS-TOD 2		0.00		0.00		0.00
LGS		0.00		0.00		0.00
LP		0.00		0.00		0.00
CS-IRP		0.00		0.00		0.00
MS		0.00		0.00		0.00
WSS		0.00		0.00		0.00
EHS		0.00		0.00		0.00
IS		0.00		0.00		0.00
OSL (UNMETERED)		0.00		0.00		0.00
SLS, SLC AND ECLS (UNMETERED)		0.00		0.00		0.00
SLCM		0.00		0.00		0.00

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FORT WAYNE, INDIANA**

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LOW-INCOME ENERGY ASSISTANCE FUND SURCHARGE

The Low-Income Energy Assistance Fund Surcharge shall be added monthly to each retail billing meter account, but no more than one residential meter per residential site.

All customer bills subject to the provisions of this surcharge, including any bills rendered under special contract, shall be adjusted by the Low-Income Energy Assistance Fund Surcharge of \$0.92 per meter per month.

**ISSUED
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PRESIDENT
FORT WAYNE, INDIANA**

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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:

RATES EXPIRE ON JUNE 1, 2020

Tariff Class	¢/kWh
RS, RS-TOD, RS-TOD2, RS-PEV, RS-SC and RS-OPES	-0.4656
GS-SEC, GS-TOD, GS-PEV, GS-TOD2, GS-NM, WSS-SEC LGS-SEC, LGS-TOD, MS, EHS, IS, ECLS, SLC, SLS, OSL SLC and SLCM	-0.3993
GS-PRI, GS-SUB, LGS-PRI, LGS-SUB, LP-PRI, LP-SUB, LP-TRAN, WSS-PRI and WSS-SUB	-0.3361

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

**EFFECTIVE FOR ELECTRIC SERVICE
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**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN RATE CASE U-20359**

SECTION E

COMPANY TERMS AND CONDITIONS OF OPEN ACCESS DISTRIBUTION SERVICE

1. APPLICATION

These Terms and Conditions of Open Access Distribution Service apply to service under the Company's tariffs that provide for Open Access Distribution Service from the Company. Customers requesting Power Supply (generation and transmission), and Delivery (distribution) service from the Company shall be served under the appropriate Company tariffs and the Terms and Conditions of Standard Service.

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

A copy of all Company tariffs and Terms and Conditions of Open Access Distribution Service are on file with the Michigan Public Service 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 once at the end of each full 12-month period or as specified by tariff or contract, upon written application to 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.

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

By receiving service under a specific tariff, the customer 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.

When the customer desires delivery of energy at more than one point, a separate agreement will be required for each separate point of delivery. Service delivered at each point of delivery will be billed separately under the applicable tariff. Conjunctive billing and/or aggregate demands are prohibited.

(Continued on Sheet No. E-2.00)

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(Continued From Sheet No. E-1.00)

For new service/accounts, multiple metering is permitted only for Company convenience.

2. CUSTOMER CHOICE OF AN ALTERNATIVE ELECTRIC SUPPLIER

Customers may elect energy services from a qualified Alternative Electric Supplier (AES). Qualifications and other eligibility criteria for such entities are specified in the Supplier Terms and Conditions of Service. AESs are also subject to any rules and licensing criteria established by the Commission for such entities as also incorporated in the Supplier Terms and Conditions of Service.

Any customer who desires service from an AES must first contract with the AES who will arrange for the provision of such services. The AES shall then notify the Company at least 15 calendar days prior to the customer's regularly scheduled meter reading date after which the customer will receive service from the AES. All changes in AES shall occur at the end of the customer's regularly scheduled meter reading date. Any request to change a customer's AES received after 15 calendar days prior to the customer's regularly scheduled meter reading date shall become effective the subsequent billing month.

No more than two AESs may provide competitive retail electric service to a customer during any given month.

Unless otherwise directed, a customer is not permitted to have partial competitive retail electric service. The AES(s) shall be responsible for providing the total energy consumed by the customer during any given month.

The Commission maintains a list of AESs that have been licensed by the Commission. The Company will post on the Company's website a list of those AESs currently registered to enroll customers in the Company's service territory. The Company's list of AESs will also designate, if available, which customer classes each AES will be serving.

3. CHANGING ALTERNATIVE ELECTRIC SUPPLIERS

Standard Service, including Company-provided generation service, will be provided under the Company's tariffs and Terms and Conditions of Standard Service.

(Continued on Sheet No. E-3.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
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Customers may change AESs no more than once during any month subject to the provisions below.

Requests to change a customer's AES must be received by the Company from the new AES. If the Company receives such a request to change a customer's AES, the customer shall be notified by the Company concerning the requested change within two business days. If the customer challenges the requested change, the change will not be initiated. The customer has ten days from the date on the notice to contact the Company to rescind the enrollment request or notify the Company that the change of AES was not requested by the customer. Within two business days after receiving a customer request to rescind enrollment with an AES, the Company shall initiate such rescission and mail the customer confirmation that such action has been taken.

The customer shall pay a charge of \$5.00 to the Company for each transaction in which a customer authorizes a change in one or more AESs. However, this switching charge shall not apply in the following specific circumstances: (a) the customer's initial change to service under the Company's tariffs and Terms and Conditions of Open Access Distribution Service and service from an AES, (b) the customer's AES is changed involuntarily, (c) the customer returns to service from the customer's former AES following an involuntary change in AES, or (d) the customer's former AES's services have been permanently terminated and the customer must choose another AES.

Customers returning to the Company's Standard Service must remain on the Company's Standard Service for a period of not less than 12 consecutive months. If the customer's return to the Company's Standard Service is the result of AES default or AES withdrawal, the customer shall have 30 calendar days to choose an alternative AES before the above requirement shall apply.

A customer may contact the Company and request to return to the Company's Standard Service. The return to the Company's Standard Service shall be conducted under the same terms and conditions applicable to an enrollment with an AES. The customer will have a ten-calendar day rescission period after requesting a return to the Company's Standard Service. Provided the customer has observed all applicable tariff and contract notification requirements and the Company has effectuated the request to return to the Company's Standard Service at least 15 calendar days prior to the customer's regularly scheduled meter reading date, the customer will be returned to the Company's Standard Service at the end of the customer's regularly scheduled meter reading date.

In the event that an AES's services are permanently terminated, and the AES has not provided

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for service to the affected customers, the AES shall send timely notification to the Company and the affected customers regarding the termination of such services. Such notification shall describe the process for selecting a new AES and note that service will be provided by the Company under the Company's Standard Service if a new AES is not selected within 30 calendar days.

4. BILLS FOR OPEN ACCESS DISTRIBUTION SERVICE

Bills for Open Access Distribution Service will be rendered monthly at intervals of approximately 30 days in accordance with the tariff selected applicable to the customer's service. All bills are rendered as "net" bills that are subject to a late payment charge if the account is delinquent. Late payment charges will be assessed on Residential bills in accordance with Rule 460.122 and on Commercial and Industrial bills in accordance with Rule 460.1614. A late payment charge shall not be assessed against any residential customers who are participating in the winter protection plan as described in Rule 460.148 and Rule 460.149 of the Consumer Standards and Billing Practices for Residential Customers. 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.

Unless the Open Access Distribution customer's AES has made arrangements with the Company to provide a Company issued consolidated bill, the Company will provide a separate billing for distribution services under the provisions of this tariff.

At the Company's discretion, any customer receiving Company consolidated billing with an AES billing arrearage of more than 60 days may be switched back to the Company's Standard Tariffs and will not be permitted to select a new AES until the arrearage is paid.

Should a partial payment be made in lieu of the total payment of the amount owed to the Company, the payment provisions of the applicable tariff shall apply. If a partial payment is made, such partial payment shall be applied to the various portions of the customer's bill in the following order:

- 1) Prior distribution, Standard Service power supply charges.
- 2) Current distribution, Standard Service power supply charges.
- 3) Prior AES charges.
- 4) Current AES charges.
- 5) Other prior and current non-regulated charges.

5. 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

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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.

Before furnishing service, the Company shall require a certificate or notice of approval from a duly recognized authority stating that customer's wiring has been installed in accordance with local and state requirements.

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

6. SERVICE CONNECTIONS

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

The Company reserves the right to make final determination of selection, application, location, routing and design of its service facilities and meter location. If the customer requests special routing of the service facilities and or meter location, the customer will be required to pay the extra cost, if any, resulting from the special routing of service facilities and or meter location.

All customers' 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 Open Access Distribution Service be provided 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.

Where Open Access Distribution Service is supplied from an underground distribution system that has been installed at the Company's expense, the customer shall make arrangements with the Company for the Company to supply and 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 the Company for

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the cost of the portion of cable and duct from the property line to the terminus of cable inside the building.

7. 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 convenient for the purpose, as required to provide Open Access Distribution Service to the customer. The customer shall keep company equipment clear from obstruction and obstacles including landscaping, structures, etc., and provide suitable space for the installation, repair and maintenance of necessary measuring instruments so that the instruments may be protected from injury by the elements or through negligence or deliberate acts of the customer or any other person who is not an agent or employee of the Company.

When Company facilities are damaged due to customer actions or negligence, the Customer shall be responsible for the costs of repairs.

8. 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.

9. COMPANY'S LIABILITY

The Company will use reasonable diligence in delivering a regular and uninterrupted supply of energy to the customer, but does not guarantee uninterrupted service. The Company shall not be liable for damages in case such service 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 service 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. 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 predetermined plan and only in situations that threaten massive curtailments of service on the Company's system.

The Company shall not be liable for damages in case such service to the customer should be interrupted by failure of the customer's AES to provide appropriate energy to the Company for delivery to the customer.

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 metering device is the property of the Company; however, the meter base and all internal parts inside the meter base are customer owned and are the responsibility of the customer to install and maintain. The Company shall not be liable for

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any loss, injury, or damage resulting from the customer's use of customer-owned equipment or occasioned by the delivery of energy beyond the delivery point. The Company shall not be liable for any loss, injury, or damage caused by equipment that is not owned, installed, and maintained by the Company.

The customer shall provide and maintain suitable protective devices on the customer's equipment to prevent any loss, injury, or damage that might result from single-phasing conditions or any other fluctuation or irregularity in the delivery of energy. The Company shall not be liable for any loss, injury, or damage resulting from a single-phasing condition or any other fluctuation or irregularity in the delivery of energy that could have been prevented by the use of such protective devices. The Company shall not be liable for any damages, whether direct or consequential, including, without limitations, loss of profits, loss of revenue, or loss of production capacity occasioned by interruptions, fluctuations or irregularity in the supply of energy.

The Company is not responsible for loss or damage caused by the disconnection or reconnection of service to the customer's facilities. The Company is not responsible for loss or damages to customer's property caused by the theft or destruction of Company facilities by a third party.

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

10. 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 Company employees or agents of the Company shall make any internal or external adjustments to, or otherwise interfere with, or break the seals of Company-owned meters or other Company-owned equipment installed on customer's property.

The customer shall be responsible and, therefore, shall insure that no one except Company employees or their agents shall make any internal or external adjustments to, or otherwise interfere with, or break the seals of meters or other related apparatus, regardless of ownership.

The Company shall have the right to enter, at all reasonable hours, 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 termination of 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.

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11. USE OF SERVICE BY CUSTOMER

The tariffs for Open Access Distribution Service given herein are classified by the character of use of such service and are not available for service other than as provided herein. Service will not be furnished under any tariff 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. It shall be understood that upon the expiration of a contract, the customer may elect to renew the contract upon the same or another tariff published by the Company available in the locality in which the customer resides or operates and applicable to the customer's requirements. 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 service under the terms of the tariff elected by the customer.

A customer may not change from one tariff to another during the term of contract except with the consent of the Company or within a reasonable period after a Commission-approved change in tariffs.

A customer desiring to change from Open Access Distribution Service to Standard Service must comply with the provisions of Changing Competitive Service Providers, the Term of Contract provision of the tariff under which the customer is receiving service, and the terms of any other agreement between the customer and 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 that are suitable for operation with the character of the service supplied by the Company, 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 customer is responsible to provide any timing equipment and timing control signals to operate time differentiated load.

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.

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 that are frequently started or arranged for automatic control must be of a type to give maximum starting torque with minimum current flow and 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 the customer's connected load.

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The operation of certain electrical equipment can result in disturbances (e.g., voltage fluctuations, harmonics, etc.) on the Company's transmission and distribution systems that can adversely impact the operation of equipment for other customers. Customers are expected to abide by industry standards, such as those contained in ANSI/IEEE 519 or the IEEE/GE voltage flicker criteria, when operating such equipment. The Company may refuse or disconnect service to customers for using electricity or equipment that adversely affects distribution service to other customers. Copies of the applicable criteria are available upon request.

Customers with cogeneration, small power production facilities, or other on-site sources of electric energy supply designed to operate in parallel with the Company's system shall take service by special agreement with the Company.

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

12. RESIDENTIAL SERVICE

Individual residences shall be served individually with single-phase service under the appropriate residential tariff. Customers may not take Open Access Distribution Service for three or more separate living units 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 house with a number of individual apartments, the landlord shall have the choice of providing separate wiring for each apartment so that the Company may provide delivery to each apartment separately under the residential tariff or purchasing the entire Open Access Distribution Service through a single meter under the appropriate general service tariff. This central metering provision shall not be permitted for new customers.

In a two-family dwelling the owner may, at the owner's option, take Open Access Distribution Service through a single meter under the residential tariff instead of providing separate wiring for both dwelling units. When Open Access Distribution Service is taken through a single meter, the two-family dwelling will be billed as a single-family residence.

The residential tariff shall cease to apply to that portion of a residence that becomes regularly used for business, professional, institutional, or other gainful purposes or which requires three-phase service. Single-phase motors of 10 HP or less may be served under the appropriate residential tariff. Larger single-phase motors may be served where, in the Company's sole judgment, the existing facilities of the Company are adequate.

Under these circumstances, customer shall have the choice of: (1) separating the wiring so that the residential portion of the premises is served through a separate meter under the residential tariff and the other uses as enumerated above are served through a separate meter or meters under the appropriate general service tariff or (2) taking the entire service 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.

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13. RESORT SERVICE

Where customers desire Open Access Distribution Service for summer homes, summer resort hotels, or other summer resort establishments that are located adjacent to existing distribution lines of the Company and can be served without the extension of primary lines, they shall have the privilege of purchasing all-year distribution service under the applicable all-year tariffs or of purchasing Open Access Distribution Service for less than a full year under the applicable residential or general service tariffs, subject to payment in advance of an amount commensurate with the cost of handling the customer's account, for connection to and disconnection from the Company's lines.

14. TRANSMISSION SERVICE

Transmission service shall be made available under the terms and conditions contained within the applicable Open Access Transmission Tariff as filed with and accepted by the Federal Energy Regulatory Commission. PJM Interconnection, LLC shall be the Transmission Provider. The AES or the customer shall contract for transmission service under the applicable Open Access Transmission Tariff. The contracting entity or its designee is responsible for scheduling under the applicable Open Access Transmission Tariff. Unless other arrangements have been made, the scheduling entity will be billed by the Transmission Provider for transmission services. The contracting entity must also purchase or provide ancillary services as specified under the applicable Open Access Transmission Tariff.

Billing and payment shall be performed as specified in the applicable Open Access Transmission Tariff. Any remaining unpaid amounts and associated fees for transmission service are the responsibility of the customer.

Provisions for scheduling and imbalance are contained within the applicable Open Access Transmission Tariff.

15. LOSSES

The AES or the Transmission Provider shall provide, through appropriate arrangements, both transmission and distribution losses as required to serve customers at various delivery voltages. If an AES arranges to provide transmission losses under the provisions of the applicable Open Access Transmission Tariff, then the AES must also arrange for the appropriate distribution losses. Customers served at transmission and subtransmission voltages require no additional losses other than the losses specified in the applicable Open Access Transmission Tariff. Customers served at primary distribution voltage require 2.0% additional losses of amounts received by the Transmission Provider for delivery to the customer. Customers served at secondary distribution voltage require 5.0% additional losses of amounts received by the Transmission Provider for delivery to the customer.

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16. METERING AND LOAD PROFILING

All customers taking service under the Company's Terms and Conditions of Open Access Distribution Service with maximum monthly billing demands of 200 kW or greater for the most recent 12 months shall be interval metered. The customer, or the customer's AES, may request an interval meter for customers with maximum monthly billing demands less than 200 kW.

The cost of any interval metering facilities installed by the Company to comply with this requirement or as a result of such request shall be paid by the customer. The customer shall make a one-time payment for the metering facilities at the time of installation of the required facilities. In addition, the customer shall pay a monthly net charge of \$0.18 to cover the incremental cost of operation and maintenance and meter data management associated with such interval metering.

In addition, the customer shall pay for service performed on a Company-installed standard interval meter as follows:

Service Performed During Normal Business Hours	Charge (\$)
Connect phone line to meter at a time other than the initial interval meter installation	54.00
Perform manual meter reading	40.00
Check phone line and perform manual meter reading due to communication loss	45.00

The customer, or the customer's AES, may select a meter from the Company's approved equipment list. The customer, or the customer's AES, may communicate with the meter for the purpose of obtaining usage data, subject to the Company's communication protocol. The customer is responsible for providing the telephone line for purposes of reading the meter.

A customer that is required to have interval metering must approve a work order for interval meter installation before an AES may serve such customer. During the period between when the customer has requested an interval meter and the time that the Company is able to install such a meter, a Company load profile will be used for settlement purposes and consumption meter readings will be used for billing.

All load profiling shall be performed by the Company. Sample data and customer specific interval metering, when available, will be used in the development of the total load profile for which an AES is responsible for providing generation and possibly arranging transmission services. Such data shall be provided to other entities as required for monthly billing.

Meters shall be provided and maintained by the Company. Unless otherwise specified, such meters shall be and remain the property of the Company.

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17. EXTENSION OF SERVICE

A. Residential Service

i. Charges

For each permanent, year-round dwelling, the Company will provide a single-phase line extension, excluding service drop, at no additional charge for a distance of 200 feet. Distribution line extensions in excess of the above footages will require an advance deposit of \$ 3.50 per foot for all such excess footage. There will also be a nonrefundable contribution equal to the cost of right-of-way and clearing on such excess footage. Three-phase extensions, as required to service large developments, will be on the same basis as Commercial and Industrial.

ii. Measurement

The length of any main line distribution feeder extension will be measured along the route of the extension from the Company's nearest facilities from which the extension can be made to the customer's property line. The length of any lateral extension on the customer's property shall be measured from the customer's property line to the service pole. Should the Company, for its own reasons, choose a longer route, the applicant will not be charged for the additional distance; however, if the customer requests special routing of the line, the customer will be required to pay the extra cost resulting from the special routing.

iii. Refunds

During the five-year period immediately following the date of payment, the Company will make refunds of the charges paid for a financed extension under provisions of paragraph (i) above. The amount of any such refund shall be \$165 for each permanent electric service subsequently connected directly to the facilities financed by the customer. Directly connected customers are those that do not require the construction of more than 100 feet of lateral primary distribution line. Such refunds will be made only to the original depositor and will not include any amount of contribution in aid of construction for underground service made under the provisions of the Company's underground service policy as set forth in this section. The total refund shall not exceed the refundable portion of the contribution.

B. Commercial or Industrial Service

Investment, charges, and refunds related to extension of service for Open Access Distribution customers will be determined by the same method as used for Standard Service customers. The capacity power supply charge revenue anticipated for Open Access Distribution customers will be calculated using the same capacity power supply charges used for Standard Service Customers.

i. Company Financed Extensions

Except for contributions in aid of construction for underground service made under the provisions of Item 18, C of these rules, the Company will finance the construction cost

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necessary to extend its facilities to serve commercial or industrial customers when such investment does not exceed two times the annual capacity power supply and delivery charge revenue anticipated to be collected from customers initially served by the extension.

ii. Charges

When the estimated cost of construction of such facilities exceeds the Company's maximum initial investment as defined in paragraph (i), the applicant shall be required to make a deposit in the entire amount of such excess construction costs. Owners or developers of mobile home parks shall be required to deposit the entire amount of the estimated cost of construction, subject to the refund provisions of paragraph (iii).

iii. Refunds

That portion of the deposit related to the difference in the cost of underground construction and the equivalent overhead facilities shall be considered nonrefundable. This amount shall be determined under the applicable provisions of the Company's underground service policy as set forth in this section.

The Company will make refunds on remaining amounts of deposits collected under the provisions of paragraph (ii) above in cases where actual experience shows that the capacity power supply and delivery charge revenues supplied by the customer are sufficient to warrant a greater initial investment by the Company. Such refunds shall be computed as follows:

(1) Original Customer

At the end of the first complete 12-month period immediately following the date of initial service, the Company will compute a revised revenue credit based on two times the actual capacity power supply and delivery charge revenue provided by the original customer in the 12-month period. Any amount by which twice the actual annual capacity power supply and delivery charge revenue exceeds the Company's initial revenue estimate will be made available for refund to the customer; no such refund shall exceed the amount deposited under provisions of paragraph (ii) above.

(2) Refunds for additional new customers directly connected to the financed extension during the refund period will be governed by Section 17, A, iii.

iv. Loads of Uncertain Duration

When, in the opinion of the Company, the permanence and continuance of the customer's load is questionable, the Company may require the applicant to make an advance deposit for line construction or service to cover the Company's costs of extending its electric lines and furnishing and installing necessary transformation, metering and protective equipment to supply electricity to the customer's premises. The advance deposit with the Company will be made up of two components (1) the estimated cost of constructing the facilities to serve the customer, including labor, material, stores freight and handling expenses, and a charge for overhead, plus (2) the estimated cost of removing said facilities and returning the materials to

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the Company storeroom, minus the estimated value of salvaged materials to be returned to storeroom at the end of the electrical service.

Any customer making an advance deposit under this section is eligible for a rebate of the monies advanced under (1) of the preceding paragraph, beginning with the first full billing month for full operation of the customer's facility and ending with the 24th consecutive month thereafter. The rebate will be 40% of the monthly electric service paid by the customer. The total amount of all rebates shall not exceed the amount of the monies advanced under (1) of the preceding paragraph. In addition, following the continuous use of electric service for twenty-four (24) months, any monies held by the Company will be promptly refunded to the customer. The Company, at its discretion, may accept a letter of credit or performance bond, payable to the Company, in lieu of an advance deposit.

C. General

The Company will extend its lines to serve domestic customers and farm customers for year-round service under applicable tariffs subject to the following conditions:

- (1) Extensions hereunder shall be built by the Company in accordance with its construction standards and shall be single phase unless the Company elects to build polyphase lines.
- (2) 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.

18. UNDERGROUND ELECTRIC LINES

A. General

In case of all direct burial underground extensions of electric distribution facilities as covered by conditions as set forth in this section, the real estate developer or customer shall make a nonrefundable contribution in aid of construction to the Company in an amount equal to the estimated difference in cost between overhead and direct burial underground facilities. "Distribution facilities" means those operated at 20,000 volts or less to ground for wye connected systems and 20,000 volts or less for delta connected systems. Charges in this section are in addition to any charges that may be required in Section 17 for equivalent overhead facilities.

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**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

(Continued From Sheet No. E-14.00)

B. Residential

i. In Subdivisions

(1) Distribution Facilities

The distribution system in a new residential subdivision and an existing residential subdivision in which electric distribution facilities have not already been constructed shall be placed underground, except that a lot facing a previously existing street or county road and having an existing overhead distribution line on its side of the street or county road shall be served with an underground service from these facilities and shall be considered a part of the underground service area.

The owner or developer of such subdivisions shall be required to make a nonrefundable contribution in aid of construction to the Company, for direct burial underground distribution facilities, in an amount equal to the sum of the lot front-foot measurement multiplied by \$ 4.50, which amount shall be considered to be the difference in cost between overhead and direct burial underground distribution facilities.

The front-foot measurement of each lot to be served by a residential underground distribution system shall be made along the contour of the front lot line. The front lot line is that line which usually borders on or is adjacent to a street. However, when streets border on more than one side of a lot, the shortest dimension shall be used. In case of a curved lot line that borders on a street or streets and represents at least two sides of the lot, the front-foot measurements shall be considered as one-half the total measurement of the curved lot line. Where a lot is served by an underground service from an overhead distribution line, the lot front-foot measurement shall be deleted. The construction provided for in the \$ 4.50 per lot front-foot contribution in aid of construction includes the extension of underground electric distribution facilities to the lot line of each lot in the subdivision.

The use of the lot front-foot measurement in these rules shall not be construed to require that the underground electric distribution facilities be placed on the front of the lot.

(2) Service Facilities

The Company shall install, own, and maintain the service line from the property line to the customer's meter. For normal installation of the service line, the developer or customer shall make a nonrefundable contribution in aid of construction to the Company in an amount equal to \$ 6.00 per trench foot.

ii. Outside of Subdivisions

(1) Distribution Facilities

The customer located outside of subdivisions shall be required to make a nonrefundable contribution in aid of construction to the Company in an amount equal to the estimated total difference in cost between overhead and underground construction costs.

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(2) Service Facilities

For normal installation of the service line, the customer shall make a nonrefundable contribution in aid of construction to the Company in an amount equal to \$ 6.00 per trench foot.

iii. Mobile Home Parks, Condominiums and Apartment House Complexes

The distribution and service facilities for new and existing mobile home parks, condominiums, and apartment house complexes in which electric facilities have not already been constructed shall be placed underground.

The owner or developer of such mobile home parks, condominiums, and apartment house complexes shall be required to make a nonrefundable contribution in aid of construction to the Company for distribution facilities in an amount equal to \$ 4.50 per trench foot and service facilities in an amount equal to \$ 12.25 per trench foot and \$ 11.25 per kVA for transformers (installed). Owners or developers of mobile home parks shall be required to deposit the entire amount of the estimated cost of construction, subject to the refund provisions of Section 17 B (iii).

C. Commercial and Industrial

Commercial distribution and service lines in the vicinity of the customer's property and constructed solely to serve a customer or group of adjacent customers shall be placed underground. This will specifically include, but not be limited to, service to shopping centers.

Industrial distribution and service lines shall be placed underground at the option of the customer. The developer or customer shall be required to make a nonrefundable contribution in aid of construction to the Company for the following facilities which amount shall be considered to be the difference in cost between overhead and direct burial underground facilities:

- i. Distribution facilities - Single-phase – \$ 4.50 per trench foot.
 Three-phase – \$3.00 per trench foot.
- ii. Transformers - Single-phase – \$ 8.00 per kVA (installed).
 Three-phase – \$12.50 per kVA (installed).
- iii. Service, as this term is generally understood in the electric utility field, (on customer's property) - Single-phase – \$ 8.00 per trench foot.
 Three-phase – \$12.50 per trench foot.

D. Plug-in Electric Vehicle (PEV) Charging Equipment

Company sponsored programs to promote PEV charging equipment may provide up to 5 times the total estimated annual revenue (Power Supply and Delivery charges) of the installed service, to apply against the standard overhead and underground construction

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costs for stand-alone PEV charging equipment installations. This does not include non-standard items such as directional bore, push bore, hand dig or placement of conduit except upon Company preference

E. Special Conditions

Where practical difficulties exist, such as water conditions, rock near the surface, or where there are requirements for deviation from the Company's construction standards such as directional boring, the per foot charges in B and C will not apply and the contribution in aid of construction will be equal to the estimated difference in cost between overhead and underground facilities but not less than the charge calculated under B and C.

An additional amount of \$1 per foot shall be added to the trenching charges for the practical difficulties associated with winter construction in the period from December 15 to March 31, inclusive. This charge will not apply to jobs that are ready for construction and for which the construction meeting has been held prior to November 1.

F. Replacement of Existing Overhead Electric Facilities

Existing overhead residential, commercial, and industrial electric distribution and service lines shall be replaced with underground facilities at the option of the affected customer or customers. Before construction is started, the customer shall be required to pay the Company the depreciated cost (net cost) of the existing overhead facilities plus the cost of removal less the salvage value thereof and, also, make a nonrefundable contribution in aid of construction in an amount equal to the estimated difference in cost between new underground and new overhead facilities including, but not limited to, the costs of breaking and repairing streets, walks, parking lots, and driveways, repairing lawns, and replacing grass, shrubs, and flowers.

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 except in cases of large construction projects and the customer has notified the Company of the need to extend this timeframe. 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 and transformers. The customer will be charged a minimum temporary service installation charge in addition to the service charge set forth in the tariff under which temporary service is supplied. The service charge, as set forth in the applicable tariff shall be, in no case, less than one full monthly amount. 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. In no case shall revenue credits apply to cover costs associated with temporary service. The Company reserves the right to require a written contract for temporary service, at its option.

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20. DENIAL OR DISCONTINUANCE OF SERVICE

Pursuant to Rules 460.136, 460.137, and 460.1625, the Company reserves the right to shutoff service to any customer without notice, in case of an emergency or to prevent fraud upon the Company. Additional shutoff of service rules applicable to nonresidential service are set forth in the MPSC Rules in Part 7 of the Billing Practices Applicable to Non-Residential Electric and Gas Customers, as referenced herein, and are set forth, as applicable, to residential service in Part 8 of the Consumer Standards and Billing Practices for Electric and Gas Residential Service, as referenced herein.

Any shutoff of service shall not terminate the contract between the Company and the customer nor shall it abrogate any minimum charge that may be effective.

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

- (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.

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21. VOLTAGES

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

Secondary		Primary	
Single Phase	Three Phase	Single Phase	Three Phase
120/240 Volts	120/208 Volts	2400 Volts**	4160/2400 Volts**
120/208 Volts	120/240 Volts*	7200 Volts	12470/7200 Volts
480 Volts	277/480 Volts	19950 Volts	34500/19950 Volts
	480 Volts*		

* Not available when supplied from 34500/19950 primary distribution systems.

** Limited to existing 4160/2400 volt distribution systems or from a dedicated subtransmission or transmission station.

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

Subtransmission	Transmission
Three Phase	Three Phase
34.5 kV	138 kV
69 kV	345 kV
	765 kV

22. SPECIAL SERVICE CHARGES

The following schedule reflects the amounts to be charged for the special services stipulated. The Company will endeavor to comply with customer requested work subject to a minimum of three days prior notification and / or manpower availability.

SCHEDULE OF CHARGES	AMOUNT
1. Reconnect during regular business hours.	\$78.13
2. Reconnect during workday overtime hours and all day Saturday.	\$93.00
3. Reconnect on Sundays or holidays.	\$177.00
4. Trip charge where Company employees are sent to customer premises to specifically notify the customer that bill payment is due.	\$33.00

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5. Disconnect trips where notification is left for the customer at the premises because of access or other issue or the customer signs a Company form agreeing to make payment by the end of business the same day and no disconnect is made.	\$41.00
6. Reconnect when disconnect is required to be made from a vault, manhole, or service box.	\$732.19
7. Reconnect when disconnect is required to be made at pole during regular business hours.	\$97.50
8. Reconnect when disconnect is required to be made at pole during workday overtime hours and all day Saturday.	\$132.00
9. Reconnect when disconnect is required to be made at pole on Sunday or holidays	\$245.00
10. Trip charge for no-power service call when the customer's facilities are clearly at fault or for scheduled work and the customer is not ready when Company is on site and customer was advised of the charge .	\$42.81
11. Meter test or change when charge is permitted in accordance with the the Consumer Standards and Billing Practice Rules.	\$39.06
12. Customer's check returned for nonsufficient funds.	\$20.00

23. 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 and the cost of making repairs necessitated by such use and/or tampering, plus a charge of \$50 per occurrence. Under such circumstances the Company will institute the procedures outlined in the Consumer Standards and Billing Practice Rules.

24. CUSTOMER OWNED EQUIPMENT TROUBLESHOOTING

When requested by the customer to investigate any problems with customer owned equipment that is connected to the Company's system, such as a generator, transformer, or other unique customer-owned facilities, the Company will conduct investigations at no charge to the customer. Company will make all reasonable attempts to resolve any problems when the Company is found to be at fault. If the customer owned equipment is found to be at fault, 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 incurred.

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25. TAX ADJUSTMENT AND FRANCHISE FEES

Bills to customers receiving service within the limits of political subdivisions which levy special license fees, franchise fees or any other such fee against the Company or its operation or the production or sale of electric energy shall be increased by a uniform per meter surcharge calculated on an annual basis to offset such special fee or any new or increased special fee, thereby preventing other customers from being compelled to share such local fees.

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**SECTION E
SUPPLIER TERMS AND CONDITIONS OF OPEN ACCESS DISTRIBUTION SERVICE**

1. APPLICATION

These Supplier Terms and Conditions of Service apply to any person that is engaged in the business of supplying electric generation service to customers that take distribution service from the Company (Alternative Electric Supplier).

A copy of the Supplier Terms and Conditions of Service under which service is to be rendered will be furnished upon request.

2. CUSTOMER CHOICE OF ALTERNATIVE ELECTRIC SUPPLIER

Customers taking service under the Company's Terms and Conditions of Open Access Distribution Service may elect energy services from a qualified Alternative Electric Supplier (AES). Such services are allowed under the provisions of Open Access Distribution Service to the extent permitted by law.

Qualifications and other eligibility criteria for such entities are specified herein. AESs are also subject to any rules and licensing criteria established by the Commission for such entities as incorporated herein.

Any customer who desires alternative electric service must first contract with an AES who will arrange for the provision of such service. The AES shall then notify the Company at least 15 calendar days prior to the customer's regularly scheduled meter reading date after which the customer will receive service from the AES. All changes in AES shall occur at the end of the customer's regularly scheduled meter reading date. Any request to change a customer's AES received after 15 calendar days prior to the customer's regularly scheduled meter reading date shall become effective the subsequent billing month.

The Commission maintains a list of AESs that have been licensed by the Commission. The Company will post on the Company's website a list of those AESs currently registered to enroll customers in the Company's service territory. The Company's list of AESs will also designate, if available, which customer classes each AES will be serving.

3. CHANGING ALTERNATIVE ELECTRIC SUPPLIERS

Standard Service, including Company-provided Power Supply service, will be provided under the Company's tariffs and Terms and Conditions of Standard Service.

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Customers may change AES no more than once during any month subject to the provisions below.

Requests to change a customer's AES must be received by the Company from the new AES. If the Company receives such a request to change a customer's AES, the customer shall be notified by the Company concerning the requested change within two business days. If the customer challenges the requested change, the change will not be initiated. The customer has ten days from the date on the notice to contact the Company to rescind the enrollment request or notify the Company that the change of AES was not requested by the customer. Within two business days after receiving a customer request to rescind enrollment with an AES, the Company shall initiate such rescission and mail the customer confirmation that such action has been taken.

The customer shall pay a charge of \$5.00 to the Company for each transaction in which a customer authorizes a change in AES. However, this switching charge shall not apply in the following specific circumstances: (a) the customer's initial change to service under the Company's Terms and Conditions of Open Access Distribution Service from an AES, (b) the customer's AES is changed involuntarily, (c) the customer returns to service from the customer's former AES following an involuntary change in AES, or (d) the customer's former AES's services have been permanently terminated and the customer must choose another AES.

Customers returning to the Company's Standard Service must remain on the Company's Standard Service for a period of not less than 12 consecutive months. If the customer's return to the Company's Standard Service is the result of AES default or AES withdrawal, the customer shall have 30 calendar days to choose an alternative AES before the above requirement shall apply.

A customer may contact the Company and request to return to the Company's Standard Service. The return to the Company's Standard Service shall be conducted under the same terms and conditions applicable to an enrollment with an AES. The customer will have a ten-calendar day rescission period after requesting a return to the Company's Standard Service. Provided the customer has observed all applicable tariff and contract notification requirements and the Company has effectuated the request to return to the Company's Standard Service at least 15 calendar days prior to the customer's regularly scheduled meter reading date, the customer will be returned to the Company's Standard Service at the end of the customer's regularly scheduled meter reading date.

In the event that an AES's services are permanently terminated, and the AES has not provided for service to the affected customers, the AES shall send timely notification to the Company and the affected customers regarding the termination of such services. Such notification shall describe the process for selecting a new AES and note that service will be provided by the Company under the Company's Standard Service if a new AES is not selected within 30 calendar days.

4. CUSTOMER ENROLLMENT PROCESS

AESs licensed by the Commission may request, in a standardized electronic transaction, historical customer data after receiving the appropriate customer authorization. The data will be

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transferred in a standardized electronic transaction. The AES will be responsible for the incremental costs incurred to prepare and send such data.

Enrollment of a customer is done through a Direct Access Service Request (DASR), which may be submitted only by an AES.

DASRs will be effective on the first day of the next billing month provided that the DASR is received by the Company during the current enrollment period that ends 15 calendar days prior to the beginning of that billing month.

The Company will process all valid DASRs and send the confirmation notice to the customer within two business days. Simultaneous with the sending of the confirmation notice to the customer, the Company will electronically advise the AES of acceptance. Notice of rejection of the DASR to the AES shall be sent within four calendar days and include the reasons for the rejection. The customer has ten calendar days from the confirmation notice to cancel the contract without penalty. If the customer cancels the contract, the Company shall send a drop notice to the AES and the previous AES will continue to serve the customer under the terms and conditions in effect prior to submission of the new DASR.

DASRs will be processed on a "first in" priority basis based on the received date, and using contract date as the tiebreaker. Any subsequent DASRs received within the same enrollment period will be rejected and returned to the AES who submitted the DASR.

To receive service from an AES, a customer must have an active service account with the Company. After the service account is active, an AES may submit a DASR as described herein.

5. CUSTOMER PROTECTIONS

The maximum early termination fee for residential contracts of one year or less shall not exceed \$50. The maximum early termination fee for residential contracts of longer than one year shall not exceed \$100.

It is the AES's responsibility to have a current valid contract with the customer at all times. Any contract that is not signed by the customer or legally authorized person shall be considered null and void. Only the customer account holder or legally authorized person shall be permitted to sign a contract. An AES and its agent shall make reasonable inquiries to confirm that the individual signing the contract is a legally authorized person. Legally Authorized Person means a person that has legal documentation or legal authority to enroll a residential or non-residential customer into a binding contract. A legally authorized person includes but is not limited to, an individual with power of attorney or a corporate agent authorized to enter into contracts on a corporation's behalf.

For each customer, an AES must be able to demonstrate that a customer has made a knowing selection of the AES by at least one of the following verification records:

- (1) An original signature from the customer account holder or legally authorized person.
- (2) Independent third party verification with an audio recording of the entire verification call.

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(3) An email address if signed up through the Internet.

The Commission or its Staff may request a reasonable number of records from an AES to verify compliance with this customer verification provision and, in addition, may request records for any customer due to a dispute.

An AES must allow the Staff of the Commission an opportunity to review and comment on its residential contract(s) and residential marketing material at least five business days before the AES intends to use these contract(s) and marketing material in the marketplace.

An AES must distribute a confirmation letter to residential customers by U.S. mail. The confirmation letter must be postmarked within seven (7) days of the customer or legally authorized person signing a contract with the AES. The confirmation letter must include the date the letter was sent, the date the contract was signed, the term of the contract with end date, the fixed or variable rate charged, the unconditional cancellation period, any early termination fee, the AES's phone number, the Commission's toll-free number and Company's emergency contact information.

The Company shall provide residential customers with pending enrollments with an AES, a 14-day notice period (beginning with the day the Company receives the enrollment from the AES) in which the residential customers may cancel the enrollment before the switch is executed. If the residential customer challenges the enrollment and the switch transaction is cancelled, the affected AES(s) are notified. The enrolling AES cannot reverse the residential customers cancellation.

6. GENERAL PROVISIONS FOR ALTERNATIVE ELECTRIC SUPPLIERS

An AES must comply with any rules and requirements established by the Commission pertaining, but not limited to, general business practices, information disclosure and reporting, customer contract rescission, financial capability, collection and remission of applicable taxes, dispute resolution, customer confidentiality, customer authorization for switching suppliers, involuntary customer contract termination, and supply obligations. An AES must also agree to comply with any applicable provisions of the Company's tariffs, Supplier Terms and Conditions of Service, Terms and Conditions of Open Access Distribution Service, and the applicable Open Access Transmission Tariff.

No more than two AESs may provide competitive retail electric service to a customer during any given month.

Unless otherwise directed, a customer is not permitted to have partial competitive retail electric service. The AES(s) shall be responsible for providing the total energy consumed by the customer during any given month.

7. SUPPLIER LICENSING WITH THE COMMISSION

Suppliers desiring to become AESs must first be licensed by the Commission and shall be subject to the licensing criteria adopted by the Commission according to 2000 PA 141.

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8. AES REGISTRATION WITH THE COMPANY

AESs desiring to provide competitive retail electric service to customers located within the Company's Service Territory must also register with the Company. The AES shall submit a completed registration application, on the form provided by the Company. A copy of the registration application will be furnished upon request. The following information must also be provided in order to register with the Company:

1. Proof of licensure by the Commission, including any information provided to the Commission as part of the licensing process. The registration process may be initiated upon receipt by the Company of an application for licensure by the Commission. However, the Company will not complete the registration process until proof of licensure by the Commission has been provided.
2. A completed copy of the Company's AES Registration Application, along with a non-refundable \$100 registration fee payable to the Company.
3. After the first year, a \$100 annual registration fee payable to the Company.
4. An appropriate financial instrument to be held by the Company against AES defaults and a description of the AES's plan to procure sufficient electric energy and transmission services to meet the requirements of its firm service customers.
5. The name of the AES, business and mailing addresses, and the names, telephone numbers, and e-mail addresses of appropriate contact persons, including the 24-hour emergency contact telephone number and emergency contact person(s).
6. Details of the AES's dispute resolution process for customer complaints.
7. A signed statement by the officer(s) of the AES committing it to adhere to the Company's tariffs, Terms and Conditions of Open Access Distribution Service, Supplier Terms and Conditions of Service, and any additional requirements stated in any agreement between the AES and the Company regarding services provided by either party.
8. Completed copies of the Company's EDI Trading Partner Set-up Form and Trading Partner Certification Checklist.
9. An Executed EDI Trading Partner Agreement and completion of EDI testing for applicable transaction sets necessary to commence service.

The Company will notify the AES of incomplete registration information within ten calendar days of receipt. The notice to the AES shall include a description of the missing or incomplete information.

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The Company shall approve or disapprove the AES's registration within 30 calendar days of receipt of complete registration information from the AES. The 30-day time period may be extended for up to 30 days for good cause shown or until such other time as is mutually agreed to by the AES and the Company.

All applicable agreements, including but not limited to, agreements between the AES and the Company regarding services provided by either party must be executed in order to complete the registration process.

Alternative dispute resolution shall be available to AESs and the Company to address disputes and differences between the parties.

9. AES CREDIT REQUIREMENTS

The Company will apply, on a non-discriminatory and consistent basis, reasonable financial standards to assess and examine an AES's creditworthiness. These standards will take into consideration the scope of operations of each AES and the level of risk to the Company. This determination will be aided by appropriate data concerning the AES, including load data or reasonable estimates thereof, where applicable.

In considering an AES's creditworthiness, the Company will review whether the AES has, and maintains, stable, or better, investment grade senior unsecured (unenhanced) long-term debt ratings from any two of the following three rating agencies:

Agency	Senior Unsecured Long-Term Debt Ratings
Standard & Poors	BBB- or higher
Moody's Investors' Services	Baa3 or higher
Fitch IBCA	BBB- or higher

The AES also will provide the Company, for its creditworthiness determination, with its or its parent's independently-audited financial statements, or Form 10K (if applicable), for the last three fiscal years, and its or its parent's most recent quarterly unaudited financial statements or Form 10Q (if applicable).

For an AES without the requisite investment grade bond rating, or whose credit requirements exceed a level appropriate for its financial resources and bond rating, the AES must have an amount of positive tangible net worth acceptable to the Company and meet risk parameters derived from the Company's analysis of its financial statements. The Company, in its sole judgment, will determine the appropriate amount of unsecured credit to be extended to an AES as a result of this analysis. The AES may provide alternative security or credit enhancement, such as a guarantee of payment in a form acceptable to the Company, a letter of credit in a form and from a financial institution acceptable to the Company, or prepayment. The Company will use reasonable credit review procedures which may include, but are not limited to, review of

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MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

(Continued from Sheet No. E-27.00)

the AES's financial statements, verification that the AES is not operating under state or federal bankruptcy laws, and has no pending lawsuits or regulatory proceedings or judgments outstanding which would have a material adverse effect on the AES and its ability to perform its obligations. Affiliates of the Company are subject to these same requirements and must provide proof of creditworthiness consistent with the code of conduct approved by the Commission.

10. TRANSMISSION SERVICE

Transmission service shall be made available under the terms and conditions contained within the applicable Open Access Transmission Tariff as filed with and accepted by the Federal Energy Regulatory Commission. The AES or the customer shall contract with the Transmission Provider for transmission service under the applicable Open Access Transmission Tariff. The Transmission Provider is the applicable regional transmission entity. PJM Interconnection LLC is currently the applicable regional transmission entity. Customers contracting with the Transmission Provider for transmission service and all AESs must complete all required actions relative to membership with the Transmission Provider and be authorized by the Transmission Provider to transact business with regard to transmission service. The contracting entity or its designee is responsible for scheduling under the applicable Open Access Transmission Tariff. Unless other arrangements have been made, the scheduling entity will be billed by the Transmission Provider for transmission services. The contracting entity must also purchase or provide ancillary services as specified under the applicable Open Access Transmission Tariff.

Billing and payment shall be performed as specified in the applicable Open Access Transmission Tariff. Any remaining unpaid amounts and associated fees for transmission service are the responsibility of the customer.

Provisions for scheduling and imbalance are contained within the applicable Open Access Transmission Tariff.

11. LOSSES

The AES or the Transmission Provider shall provide, through appropriate arrangements, both transmission and distribution losses as required to serve customers at various delivery voltages. If an AES arranges to provide transmission losses under the provisions of the applicable Open Access Transmission Tariff, then the AES must also arrange for the appropriate distribution losses. Customers served at transmission and subtransmission voltages require no additional losses other than the losses specified in the applicable Open Access Transmission Tariff. Customers served at primary distribution voltage require 2.0% additional losses of amounts received by the Transmission Provider for delivery to the customer. Customers served at secondary distribution voltage require 5.0% additional losses of amounts received by the Transmission Provider for delivery to the customer.

12. CONSOLIDATED BILLING BY THE COMPANY

Upon request, the Company will offer Company-issued consolidated bills to customers receiving service from an AES upon execution of an appropriate agreement between the AES and the Company. Company-issued consolidated billing will include equal monthly billing as an option. The AES will be

(Continued on Sheet No. E-29.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

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MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

(Continued from Sheet No. E-28.00)

responsible for the Company's incremental cost of issuing consolidated bills. The AES must electronically provide all information in a bill-ready format.

At the Company's discretion, any customer receiving Company consolidated billing with an AES billing arrearage of more than 60 days may be switched back to the Company's Standard Service and will not be permitted to select a new AES until the arrearage is paid.

If the customer's AES defaults, the Company reserves the right to retain payments collected from the customer and to apply such payments to the Company's charges.

13. METERING AND LOAD PROFILING

All customers taking service under the Company's Terms and Conditions of Open Access Distribution Service with maximum monthly billing demands of 200 kW or greater for the most recent 12 months shall be interval metered. The customer, or the customer's AES, may request an interval meter for customers with maximum monthly billing demands less than 200 kW.

The cost of any interval metering facilities installed by the Company to comply with this requirement or as a result of such request shall be paid by the customer. The customer shall make a one-time payment for the metering facilities at the time of installation of the required facilities.

In addition, the customer shall pay a monthly net charge of \$0.18 to cover the incremental cost of operation and maintenance and meter data management associated with such interval metering.

In addition, the customer shall pay for service performed on a Company-installed standard interval meter as follows:

Service Performed During Normal Business Hours	Charge (\$)
Connect phone line to meter at a time other than the initial interval meter installation	54.00
Perform manual meter reading	40.00
Check phone line and perform manual meter reading due to communication loss	45.00

(Continued on Sheet No. E-30.00)

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MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

(Continued From Sheet No. E-29.00)

The customer, or the customer's AES, may select a meter from the Company's approved equipment list. The customer, or the customer's AES, may communicate with the meter for the purpose of obtaining usage data, subject to the Company's communication protocol. The customer is responsible for providing the telephone line for purposes of reading the meter.

A customer that is required to have interval metering must approve a work order for interval meter installation before an AES may serve such customer. During the period between when the customer has requested an interval meter and the time that the Company is able to install such a meter, a Company load profile will be used for settlement purposes and consumption meter readings will be used for billing.

All load profiling shall be performed by the Company. Sample data and customer specific interval metering, when available, will be used in the development of the total load profile for which an AES is responsible for providing generation and possibly arranging transmission services.

Meters shall be provided and maintained by the Company. Such meters shall be and remain the property of the Company.

14. PAYMENTS

Partial payment from a customer shall be applied to the various portions of the customer's total bill in the following order: (a) prior Delivery, Standard Service Power Supply charges; (b) current Delivery, Standard Service Power Supply charges; (c) prior AES charges; (d) current AES charges; and (e) other prior and current non-regulated charges.

15. CONFIDENTIALITY OF INFORMATION

All confidential or proprietary information made available by one party to the other in connection with the registration of an AES with the Company and/or the subsequent provision and receipt of service under these Supplier Terms and Conditions of Service, including but not limited to load data, and information regarding the business processes of a party and the computer and communication systems owned or leased by a party, shall be used only for purposes of registration with the Company, receiving or providing service under these Supplier Terms and Conditions of Service, and/or providing competitive retail electric service to customers in the Company's service territory. Other than disclosures to representatives of the Company or the AES for the purposes of enabling that party to fulfill its obligations under these Supplier Terms and Conditions of Service or for the AES to provide competitive retail electric service to customers in the Company's service territory, a party may not disclose confidential or proprietary information without the prior authorization and/or consent of the other party.

The AES shall keep all customer-specific information supplied by the Company confidential unless the AES has the customer's written authorization to do otherwise.

(Continued on Sheet No. E-31.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

(Continued From Sheet No. E-30.00)

16. COMPANY'S LIABILITY

In addition to the Company's liability as set forth in the Company's Terms and Conditions of Open Access Distribution Service, the following shall apply. The Company will use reasonable diligence in delivering a regular and uninterrupted supply of energy to the customer, but does not guarantee uninterrupted service. 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 predetermined plan and only in situations that threaten massive curtailments of service on the Company's system. The Company shall not be liable for damages in case such service 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 service should be interrupted due to causes or conditions beyond the Company's reasonable control. The Company shall not be liable for damages in case such service to the customer should be interrupted by failure of the customer's AES to provide appropriate energy to the Company for delivery to the customer. The Company shall not be liable for any damages, financial or otherwise, to AESs resulting from an interruption of service.

17. ALTERNATIVE ELECTRIC SUPPLIER'S LIABILITY

In the event of loss or injury to the Company's property through misuse by, or negligence of, the AES or the AES's agents and employees, the AES shall be obligated and shall pay to the Company the full cost of repairing or replacing such property.

Unless authorized by the Company to do so, an AES and its agents and employees shall not tamper with, interfere with, or break the seals of meters or other equipment of the Company installed on the customer's premises, and, under any circumstances, the AES assumes all liability for the consequences thereof. The AES agrees that no one, except agents and employees of the Company, shall be allowed to make any internal or external adjustments to any meter or other piece of apparatus that belongs to the Company.

**ISSUED
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PRESIDENT
FORT WAYNE, INDIANA**

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER FEBRUARY 1, 2020**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED
IN CASE NO. U-20359**

Schedule A1

Michigan Public Service Commission
 Indiana Michigan Power Company - Michigan
 Revenue Deficiency
 Projected 12-Month Period Ending 12/31/2020

Indiana Michigan Power Company
 Case No. U-20359
 MRE 408
 Settlement, Schedule A-1
 Page 1 of 1

Line No.	(a) <u>Description</u>	(b) <u>Source</u>	(c) Michigan Jurisdictional \$000
1			
2	Rate Base	Exh. A-12, Sch. B-1	1,131,199
3			
4	Adjusted Net Operating Income	Exh. A-13, Sch. C-1	<u>41,708</u>
5			
6	Overall Rate of Return	Line 4 / Line 2	3.69%
7			
8	Rate of Return	Exh. A-14, Sch. D-1	6.08%
9			
10	Income Requirement	Line 2 x Line 8	<u>68,777</u>
11			
12	Income Deficiency	Line 10 - Line 4	27,069
13			
14	Revenue Conversion Factor	Exh. A-13, Sch. C-2	<u>1.3427</u>
15			
16	Subtotal	Line 12 x Line 14	36,345
17			
18	OATT Costs	Exh. A-16, Sch. F-1.1	1,555
19			
20	Revenue Deficiency	Line 16+Line 18	37,900
21			
22	Reduced Nuclear Decommissioning Revenue		(1,500)
23			
24	Net Revenue Increase	Line 18+Line 20	36,400

Indiana Michigan Power Company
Michigan Projected Jurisdictional Separation Study
Twelve Months Ended December 31, 2020

Indiana Michigan Power Company
Case No. U-20359
MRE 408
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SOURCE	Line No.	Description	TOTAL COMPANY	NON-	TOTAL COMPANY	Exhibit IM-63 (TAC-1)	TOTAL COMPANY	MI RETAIL	ALLOCATOR
			PROJECTED	APPLICABLE	PROJECTED BEFORE ADJUSTMENTS	FIXED, KNOWN & MEASURABLE ADJUSTMENTS	PROJECTED AFTER ADJUSTMENTS		
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	1	Operating Revenues - Sale of Electricity	1,877,797,124	-	1,877,797,124	(48,738,533)	1,829,058,592	299,367,496	
	2	Interruptible Sales	144,731,156	-	144,731,156	0	144,731,156	20,917,289	
	3	Non-Firm Sales Revenues	215,425,427	-	215,425,427	22,630,898	238,056,325	34,267,486	
	4	Other Electric Operating Revenues	50,477,177	-	50,477,177	(1,862,961)	48,614,216	6,883,564	
	5	Total Operating Revenues	2,288,430,884	-	2,288,430,884	(27,970,595)	2,260,460,289	361,435,836	
	6	Operation and Maintenance Expenses							
	7	Power Production	1,026,958,992	-	1,026,958,992	19,154,749	1,046,113,741	158,018,082	
	8	Transmission	213,901,864	-	213,901,864	(5,068,411)	208,833,453	35,440,318	
	9	Distribution	76,349,384	-	76,349,384	(358,111)	75,991,273	24,197,373	
	10	Customer Accounts	17,077,953	-	17,077,953	0	17,077,953	3,713,360	
	11	Customer Service & Information	33,973,910	-	33,973,910	(23,905,432)	10,068,478	2,871,544	
	12	Sales Expense	373,048	-	373,048	27,276	400,324	86,458	
	13	Administrative and General	103,990,392	-	103,990,392	2,413,047	106,403,438	17,835,411	
	14	Other O&M	15,669,708	-	15,669,708	(5,140,816)	10,528,891	1,916,087	
	15	Total Operation and Maintenance Expense	1,488,295,251	-	1,488,295,251	(12,877,699)	1,475,417,553	244,078,632	
	16	Depreciation and Amortization Expense	401,483,474	-	401,483,474	47,566,454	449,049,929	76,419,902	
	17	Regulatory Debits/Credits	3,248,010	-	3,248,010	(4,094,192)	(846,182)	(10,446,705)	
	18	Taxes Other than Income	107,107,431	-	107,107,431	96,000	107,203,431	15,120,583	
	19	AFUDC	(23,575,240)	-	(23,575,240)	3,803,041	(19,772,199)	(3,384,069)	
	20	Total Other Expenses	488,263,675	-	488,263,675	47,371,303	535,634,979	77,709,711	
	21	Net Operating Income Before Income Tax	311,871,958	-	311,871,958	(62,464,200)	249,407,758	39,647,493	
	22	Total State Income Tax	1,203,570	714,080	1,917,650	(829,291)	1,088,359	128,415	
	23	Federal Income Tax							
	24	Current Federal Income Tax	22,914,874	2,703,096	25,617,970	370,821	25,988,791	4,214,835	
	25	Deferred Federal Income Tax	(25,178,305)	-	(25,178,305)	(7,586,372)	(32,764,677)	(5,494,301)	
	26	Deferred Investment Tax Credit	(5,214,220)	-	(5,214,220)	(334,392)	(5,548,612)	(909,724)	
	27	Total Federal Income Taxes	(7,477,651)	2,703,096	(4,774,555)	(7,549,943)	(12,324,498)	(2,189,190)	
	28	Net Operating Income	318,146,039	(3,417,176)	314,728,863	(54,084,966)	260,643,897	41,708,268	
	29	Electric Plant in Service - Original Cost	10,334,923,259	-	10,334,923,259	(420,760,127)	9,914,163,132	1,688,901,651	
	30	Accumulated Provision for Depreciation & Amortization	(3,438,775,892)	-	(3,438,775,892)	169,083,925	(3,269,691,966)	(548,369,660)	
	31	Working Capital Requirement	333,184,283	-	333,184,283	(66,079,259)	267,105,025	(7,902,636)	
	32	Other Rate Base Offsets	(9,073,830)	-	(9,073,830)	0	(9,073,830)	(1,430,534)	
	33	Rate Base	7,220,257,820	-	7,220,257,820	(317,755,460)	6,902,502,360	1,131,198,821	

Indiana Michigan Power Company
Michigan Projected Jurisdictional Separation Study
Twelve Months Ended December 31, 2020

Indiana Michigan Power Company
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SOURCE	Line No.	Description	TOTAL COMPANY PROJECTED	NON-APPLICABLE	TOTAL COMPANY PROJECTED BEFORE ADJUSTMENTS	Exhibit IM-63 (TAC-1) FIXED, KNOWN & MEASURABLE ADJUSTMENTS	TOTAL COMPANY PROJECTED AFTER ADJUSTMENTS	MI RETAIL	ALLOCATOR
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			13 Month Avg.						
	1	Electric Plant in Service (Includes Accts. 101, 102, 103 & 106)							
	2	Electric Plant in Service							
	3	Intangible Plant							
WP-TAC-1 P. 1	4	Intangible Plant	258,161,795		258,161,795	0	258,161,795	42,703,007	Payroll
	5	Intangible Plant - Direct Assign IN			0	3,389,942	3,389,942		Non Juris
	6	Intangible Plant - Direct Assign MI			0	956,137	956,137	956,137	Direct
	7	Total Intangible Plant	258,161,795	-	258,161,795	4,346,079	262,507,874	43,659,144	
	8	Production Plant							
WP-TAC-1 P. 1	9	Steam Production	1,211,134,011		1,211,134,011	11,252,331	1,222,386,342	193,923,648	Production Demand
WP-TAC-1 P. 1	10	A317 ARO Steam Production Plant	14,642,066		14,642,066	(14,642,066)	0	0	Production Demand
	11	Total Steam Production	1,225,776,077	-	1,225,776,077	(3,389,735)	1,222,386,342	193,923,648	
	12	Nuclear Production							
WP-TAC-1 P. 1	13	Nuclear Production Plant	3,565,678,858		3,565,678,858	31,248,945	3,596,927,803	570,629,216	Production Demand
WP-TAC-1 P. 1	14	A326 ARO Nuclear Production Plnt	439,029,648		439,029,648	(439,029,648)	0	0	Production Demand
	15	Total Nuclear Production	4,004,708,507	-	4,004,708,507	(407,780,703)	3,596,927,803	570,629,216	
	16	Hydraulic Production							
WP-TAC-1 P. 1	17	Hydraulic Production Plant	55,175,762		55,175,762	0	55,175,762	8,753,276	Production Demand
WP-TAC-1 P. 1	18	A337 ARO Hydraulic Production	318,520		318,520	(318,520)	0	0	Production Demand
	19	Total Hydraulic Production	55,494,281	-	55,494,281	(318,520)	55,175,762	8,753,276	
	20	Other Production							
WP-TAC-1 P. 1	21	Other Production Plant	39,385,237		39,385,237	0	39,385,237	6,248,212	Production Demand
	22	Total Other Production	39,385,237	-	39,385,237	0	39,385,237	6,248,212	
	23	Total Production Plant	5,325,364,102	-	5,325,364,102	(411,488,958)	4,913,875,144	779,554,351	
	24	Transmission Plant							
WP-TAC-1 P. 1	25	Transmission Plant	1,679,018,615		1,679,018,615	0	1,679,018,615	266,365,390	Transmission Demand
	26	Total Transmission Plant	1,679,018,615	-	1,679,018,615	0	1,679,018,615	266,365,390	
WP-TAC-1 P. 1	27	Transmission Plant - GSU	57,700,453		57,700,453		57,700,453	9,153,802	Production Demand
WP-TAC-1 P. 1	28	Transmission Plant	1,621,318,162		1,621,318,162		1,621,318,162	257,211,588	Transmission Demand
	29	Total	1,679,018,615		1,679,018,615		1,679,018,615	266,365,390	

**Indiana Michigan Power Company
Michigan Projected Jurisdictional Separation Study
Twelve Months Ended December 31, 2020**

Indiana Michigan Power Company
Case No. U-20359
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SOURCE	Line No.	Description (1)	TOTAL COMPANY	NON-	TOTAL COMPANY	Exhibit IM-63 (TAC-1)	TOTAL COMPANY	MI RETAIL	ALLOCATOR
			PROJECTED	APPLICABLE	PROJECTED	FIXED, KNOWN & MEASURABLE	PROJECTED		
			(2)	(3)	(4)	(5)	(6)	(7)	(8)
	1	Distribution Plant - Indiana							
WP-TAC-1 P. 2	2	A360 Land and Land Rights	19,847,991		19,847,991	0	19,847,991		Non Jurisdictional
WP-TAC-1 P. 2	3	A361 Structures and Improvements	28,867,601		28,867,601	0	28,867,601		Non Jurisdictional
WP-TAC-1 P. 2	4	A362 Station Equipment	345,337,559		345,337,559	0	345,337,559		Non Jurisdictional
WP-TAC-1 P. 2	5	A363 Storage Battery Equipment - IN only	5,606,730		5,606,730	0	5,606,730		Non Jurisdictional
WP-TAC-1 P. 2	6	A364 Poles, Towers & Fixtures	247,268,653		247,268,653	0	247,268,653		Non Jurisdictional
WP-TAC-1 P. 2	7	A365 O.H. Conductors & Devices	385,852,671		385,852,671	0	385,852,671		Non Jurisdictional
WP-TAC-1 P. 2	8	A366 Underground Conduits	130,021,106		130,021,106	0	130,021,106		Non Jurisdictional
WP-TAC-1 P. 2	9	A367 U.G. Conductors & Devices	257,137,149		257,137,149	0	257,137,149		Non Jurisdictional
WP-TAC-1 P. 2	10	A368 Line Transformers	325,985,568		325,985,568	0	325,985,568		Non Jurisdictional
WP-TAC-1 P. 2	11	A369 Services	175,131,890		175,131,890	0	175,131,890		Non Jurisdictional
WP-TAC-1 P. 2	12	A370 Meters	79,325,253		79,325,253	0	79,325,253		Non Jurisdictional
WP-TAC-1 P. 2	13	A370 Meters South Bend Smart Meter Pilot Program (SBSMPP)- IN only	3,714,977		3,714,977	0	3,714,977		Non Jurisdictional
WP-TAC-1 P. 2	14	A371 Install. on Customer Prem.	21,755,026		21,755,026	0	21,755,026		Non Jurisdictional
WP-TAC-1 P. 2	15	A372 Leased Prop. on Cust. Premises	0		0	0	0		Non Jurisdictional
WP-TAC-1 P. 2	16	A373 Street Lights	18,919,787		18,919,787	0	18,919,787		Non Jurisdictional
	17	Total Indiana Distribution Plant	2,044,771,962	-	2,044,771,962	0	2,044,771,962	0	
	18	Distribution Plant - Michigan							
WP-TAC-1 P. 2	19	A360 Land and Land Rights	7,321,440		7,321,440	0	7,321,440	7,321,440	Direct
WP-TAC-1 P. 2	20	A361 Structures and Improvements	3,750,717		3,750,717	0	3,750,717	3,750,717	Direct
WP-TAC-1 P. 2	21	A362 Station Equipment	88,210,287		88,210,287	0	88,210,287	88,210,287	Direct
WP-TAC-1 P. 2	22	A363 Storage Battery Equipment - IN only	-		0	0	0	0	Direct
WP-TAC-1 P. 2	23	A364 Poles, Towers & Fixtures	79,291,461		79,291,461	0	79,291,461	79,291,461	Direct
WP-TAC-1 P. 2	24	A365 O.H. Conductors & Devices	145,195,063		145,195,063	0	145,195,063	145,195,063	Direct
WP-TAC-1 P. 2	25	A366 Underground Conduits	13,078,108		13,078,108	0	13,078,108	13,078,108	Direct
WP-TAC-1 P. 2	26	A367 U.G. Conductors & Devices	41,446,571		41,446,571	0	41,446,571	41,446,571	Direct
WP-TAC-1 P. 2	27	A368 Line Transformers	55,681,303		55,681,303	0	55,681,303	55,681,303	Direct
WP-TAC-1 P. 2	28	A369 Services	35,703,352		35,703,352	0	35,703,352	35,703,352	Direct
WP-TAC-1 P. 2	29	A370 Meters	30,115,828		30,115,828	0	30,115,828	30,084,698	Direct
WP-TAC-1 P. 2	30	A370 Meters South Bend Smart Meter Pilot Program (SBSMPP)- IN only	-		0	0	0	0	Direct
WP-TAC-1 P. 2	31	A371 Install. on Customer Prem.	9,452,443		9,452,443	0	9,452,443	9,452,443	Direct
WP-TAC-1 P. 2	32	A372 Leased Prop. on Cust. Premises	0		0	0	0	0	Direct
WP-TAC-1 P. 2	33	A373 Street Lights	5,705,674		5,705,674	0	5,705,674	5,705,674	Direct
	34	Total Michigan Distribution Plant	514,952,247	-	514,952,247	0	514,952,247	514,921,117	
	35	Total Distribution Plant	2,559,724,209	-	2,559,724,209	0	2,559,724,209	514,921,117	

Indiana Michigan Power Company
Michigan Projected Jurisdictional Separation Study
Twelve Months Ended December 31, 2020

Indiana Michigan Power Company
Case No. U-20359
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SOURCE	Line No.	Description	TOTAL COMPANY		TOTAL COMPANY		MI RETAIL	ALLOCATOR	
			PROJECTED	NON-APPLICABLE	PROJECTED BEFORE ADJUSTMENTS	EXHIBIT IM-63 (TAC-1) FIXED, KNOWN & MEASURABLE ADJUSTMENTS			PROJECTED AFTER ADJUSTMENTS
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	1	General Plant							
WP-TAC-1 P. 1	2	General Plant	164,281,891		164,281,891	0	164,281,891	27,174,163	Payroll
WP-TAC-1 P. 1	3	A397 Communication Equipment (SBSMPP) - IN only	335,375		335,375	0	335,375		Non Jurisdictional
WP-TAC-1 P. 1	4	A39919 ARO General Plant	239,128		239,128	(239,128)	0	0	Payroll
	5	Total General Plant	<u>164,856,394</u>	-	<u>164,856,394</u>	<u>(239,128)</u>	<u>164,617,266</u>	<u>27,174,163</u>	
	6	Total Electric Plant in Service	<u>9,987,125,115</u>	-	<u>9,987,125,115</u>	<u>(407,382,007)</u>	<u>9,579,743,108</u>	<u>1,631,674,166</u>	
	7	Plant Held for Future Use (Acct. 105)	<u>13 Month Avg.</u>						
WP-TAC-1 P. 3	8	Production Plant	1,034,109		1,034,109	0	1,034,109	164,055	Production Demand
WP-TAC-1 P. 3	9	Transmission Plant	208,360		208,360	0	208,360	33,055	Transmission Demand
WP-TAC-1 P. 3	10	Distribution Plant	202,459		202,459	0	202,459	40,727	Distribution Plant
	11	Total Plant Held for Future Use	<u>1,444,928</u>	-	<u>1,444,928</u>	<u>0</u>	<u>1,444,928</u>	<u>237,837</u>	
	12	Construction Work in Progress (Acct. 107)	<u>13 Month Avg.</u>						
WP-TAC-1 P. 4	13	Intangible Plant	10,822,945		10,822,945	0	10,822,945	1,790,243	Payroll
WP-TAC-1 P. 4	14	Production Plant	49,247,654		49,247,654	(13,378,120)	35,869,534	5,690,468	Production Demand
WP-TAC-1 P. 4	15	Other Production Plant	5,851,925		5,851,925	0	5,851,925	928,370	Production Demand
WP-TAC-1 P. 4	16	Nuclear Plant	79,484,924		79,484,924	0	79,484,924	12,609,767	Production Demand
WP-TAC-1 P. 4	17	Transmission Plant	103,515,650		103,515,650	0	103,515,650	16,422,085	Transmission Demand
WP-TAC-1 P. 4	18	Distribution Plant	97,030,046		97,030,046	0	97,030,046	19,518,829	Distribution Plant
WP-TAC-1 P. 4	19	General Plant	6,721,189		6,721,189	0	6,721,189	1,111,764	Payroll
	20	Total Construction Work in Progress	<u>352,674,333</u>	-	<u>352,674,333</u>	<u>(13,378,120)</u>	<u>339,296,213</u>	<u>58,071,526</u>	
	21	Electric Plant Acquisition Adjustment (Acct. 114)			0		0		
			<u>13 Month Avg.</u>						
WP-TAC-1 P. 11	22	Retention (Acct. 2320003)	(6,321,117)		(6,321,117)	0	(6,321,117)	(1,081,877)	CWIP
	23	Total Electric Utility Plant	<u>10,334,923,259</u>	-	<u>10,334,923,259</u>	<u>(420,760,127)</u>	<u>9,914,163,132</u>	<u>1,688,901,651</u>	

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		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
	1	Accumulated Provision for Depreciation	13 Month Avg.							
	2	Production								
WP-TAC-1 P. 5	3	Steam & Hydraulic	(467,863,507)		(467,863,507)	49,715,030	(418,148,477)	(66,336,538)	Production Demand	
WP-TAC-1 P. 5	4	Nuclear	(1,389,966,563)		(1,389,966,563)	(5,532,042)	(1,395,498,605)	(221,386,783)	Production Demand	
WP-TAC-1 P. 5	5	Other Production Plant	(6,616,227)		(6,616,227)	(696,164)	(7,312,391)	(1,160,063)	Production Demand	
WP-TAC-1 P. 5	6	ARO Steam & Hydraulic	(1,025,254)		(1,025,254)	1,025,254	0	0	Production Demand	
WP-TAC-1 P. 5	7	ARO Nuclear	(110,109,816)		(110,109,816)	110,109,816	0	0	Production Demand	
	8	Total Production Plant	<u>(1,975,581,367.26)</u>	-	<u>(1,975,581,367)</u>	<u>154,621,894</u>	<u>(1,820,959,474)</u>	<u>(288,883,384)</u>		
WP-TAC-1 P. 5	9	Transmission Plant	(514,374,263)		(514,374,263)	(14,586,823)	(528,961,086)	(83,916,238)	Transmission Demand	
	11	Transmission Plant - GSU	(17,676,771)		(17,676,771)	(501,285)	(18,178,056)	(2,883,830)	Production Demand	
	12	Transmission Plant	(496,697,492)		(496,697,492)	(14,085,538)	(510,783,030)	(81,032,408)	Transmission Demand	
	13	Total	<u>(514,374,263)</u>		<u>(514,374,263)</u>	<u>(14,586,823)</u>	<u>(528,961,086)</u>	<u>(83,916,238)</u>		
WP-TAC-1 P. 5	14	Distribution	(713,902,470)		(713,902,470)	28,584,757	(685,317,713)	(138,364,263)	Dist. Plt. Excl. IN Accts	
WP-TAC-1 P. 5	15	Distribution Direct Acct 363 (Battery) - IN only	(2,969,377)		(2,969,377)	0	(2,969,377)		Non Jurisdictional	
WP-TAC-1 P. 5	16	Distribution Direct Acct 370 (SBSMPP) - IN only	(3,551,781)		(3,551,781)	0	(3,551,781)		Non Jurisdictional	
	17	Total Distribution Plant	<u>(720,423,628)</u>	-	<u>(720,423,628)</u>	<u>28,584,757</u>	<u>(691,838,871)</u>	<u>(138,364,263)</u>		
WP-TAC-1 P. 5	18	General	(33,905,798)		(33,905,798)	1,074,199	(32,831,599)	(5,430,734)	Payroll	
WP-TAC-1 P. 5	19	General Direct Acct 397 (SBSMPP) - IN only	(290,885)		(290,885)	0	(290,885)		Non Jurisdictional	
WP-TAC-1 P. 5	20	ARO General	175,493		175,493	(175,493)	0	0	General Plant	
	21	Total General Plant	<u>(34,021,190)</u>	-	<u>(34,021,190)</u>	<u>898,706</u>	<u>(33,122,484)</u>	<u>(5,430,734)</u>		
	22	Total Accumulated Provision for Depreciation	<u>(3,244,400,448.24)</u>	-	<u>(3,244,400,448)</u>	<u>169,518,533</u>	<u>(3,074,881,915)</u>	<u>(516,594,619)</u>		
	23	Accumulated Provision for Amortization								
WP-TAC-1 P. 5	24	Intangible	(116,995,041)		(116,995,041)	0	(116,995,041)	(19,352,360)	Payroll	
	25	Intangible Plant - Direct Assign IN			0	(338,994)	(338,994)		Non Juris	
	26	Intangible Plant - Direct Assign MI			0	(95,614)	(95,614)	(95,614)	Direct	
	27	Total Intangible	<u>(116,995,041)</u>	-	<u>(116,995,041)</u>	<u>(434,608)</u>	<u>(117,429,649)</u>	<u>(19,447,974)</u>		
WP-TAC-1 P. 5	28	Steam & Hydraulic	(69,820,325)		(69,820,325)	0	(69,820,325)	(11,076,541)	Production Demand	
	29	Nuclear	0		0	0	0	0	Production Demand	
	30	Total Production Plant	<u>(69,820,325)</u>	-	<u>(69,820,325)</u>	<u>0</u>	<u>(69,820,325)</u>	<u>(11,076,541)</u>		
	31	Transmission Plant	0		0	0	0	0	Transmission Demand	
	32	Total Transmission Plant	<u>0</u>	-	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>		
	33	Distribution	0		0	0	0	0	Distribution Plant	
	34	Total Distribution Plant	<u>0</u>	-	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>		
WP-TAC-1 P. 5	35	General	(7,560,077)		(7,560,077)	0	(7,560,077)	(1,250,526)	Payroll	
	36	Total General Plant	<u>(7,560,077)</u>	-	<u>(7,560,077)</u>	<u>0</u>	<u>(7,560,077)</u>	<u>(1,250,526)</u>		
	37	Total Accumulated Provision for Amortization	<u>(194,375,443)</u>	-	<u>(194,375,443)</u>	<u>(434,608)</u>	<u>(194,810,051)</u>	<u>(31,775,041)</u>		
	38	Total Acc Prov Depreciation and Amortization	<u>(3,438,775,891.65)</u>	-	<u>(3,438,775,892)</u>	<u>169,083,925</u>	<u>(3,269,691,966)</u>	<u>(548,369,660)</u>		
	39	Net Electric Plant in Service	<u>6,896,147,367</u>	-	<u>6,896,147,367</u>	<u>(251,676,202)</u>	<u>6,644,471,165</u>	<u>1,140,531,991</u>		

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		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	1	Working Capital Requirements	13 month avg						
	2	Assets							
	3	Other Property & Investments							
WP-TAC-1 P. 7	4	Allowance Inventory-Non current	25,667,168		25,667,168	0	25,667,168	4,025,931	Energy
	5	Current Assets							
WP-TAC-1 P. 6	6	Cash & Cash Equivalents	0		0	0	0	0	Net Plant
WP-TAC-1 P. 6	7	Special Deposits-Gross Plant	15,990,260		15,990,260	0	15,990,260	2,723,980	Gross Plant
WP-TAC-1 P. 6	8	Special Deposits-Payroll	129,883		129,883	0	129,883	21,484	Payroll
WP-TAC-1 P. 6	9	Accounts Receivable-Direct Assign	116,978,969		116,978,969	0	116,978,969	24,043,267	Direct
WP-TAC-1 P. 6	10	Accounts Receivable-Factoring	(102,668,244)		(102,668,244)	0	(102,668,244)	(22,989,739)	Direct
WP-TAC-1 P. 6	11	Accounts Receivable-Retail Sales	2,392		2,392	0	2,392	431	Retail Sales
WP-TAC-1 P. 6	12	Accounts Receivable-System Sales	28,128,573		28,128,573	0	28,128,573	4,049,023	System Sales
WP-TAC-1 P. 6	13	Accounts Receivable-Gross Plant	3,319,540		3,319,540	0	3,319,540	565,492	Gross Plant
WP-TAC-1 P. 6	14	Accounts Receivable-Energy	0		0	0	0	0	Energy
WP-TAC-1 P. 6	15	Accounts Receivable-Retail Demand Excl Shop	29,076,559		29,076,559	0	29,076,559	4,964,369	Retail Demand Excl Shop
WP-TAC-1 P. 6	16	Other Accounts Receivable-Gross Plant	1,429,465		1,429,465	0	1,429,465	243,513	Gross Plant
WP-TAC-1 P. 6	17	Other Accounts Receivable-Direct Assign	78,881		78,881	0	78,881	78,881	Direct
WP-TAC-1 P. 7	18	Uncollectibles	(96,625)		(96,625)	0	(96,625)	(13,909)	System Sales
WP-TAC-1 P. 7	19	Accounts Receivable-Related Party	68,786,452		68,786,452	0	68,786,452	11,717,938	Gross Plant
WP-TAC-1 P. 7	20	Fuel Inventory	33,030,570		33,030,570	0	33,030,570	5,180,891	Energy
WP-TAC-1 P. 7	21	Allowance Inventory-Current	(603,259)		(603,259)	0	(603,259)	(94,622)	Energy
WP-TAC-1 P. 7	22	Materials & Supplies Production Demand	141,905,152		141,905,152	0	141,905,152	22,512,330	Production Demand
WP-TAC-1 P. 7	23	Materials & Supplies Production Energy	1,088,540		1,088,540	0	1,088,540	170,739	Energy
WP-TAC-1 P. 7	24	Materials & Supplies Transmission	8,700,733		8,700,733	0	8,700,733	1,380,315	Transmission Demand
WP-TAC-1 P. 7	25	Materials & Supplies Distribution	12,155,142		12,155,142	0	12,155,142	2,445,162	Distribution Plant
WP-TAC-1 P. 8	26	Prepayments-Distribution Plant Related	141,853		141,853	0	141,853	28,536	Distribution Plant
WP-TAC-1 P. 8	27	Prepayments-Payroll Related	141,937,401		141,937,401	0	141,937,401	23,478,121	Payroll
WP-TAC-1 P. 8	28	Prepayments-Net Plant Related	2,511,870		2,511,870	0	2,511,870	431,166	Net Plant
WP-TAC-1 P. 8	29	Prepayments-Gross Plant Related	2,962,307		2,962,307	0	2,962,307	504,636	Gross Plant
WP-TAC-1 P. 8	30	Prepayments- Insurance Production Demand Related	764,043		764,043	0	764,043	121,210	Production Demand
WP-TAC-1 P. 8	31	Prepayments- Insurance Transmission Demand Related	93,817		93,817	0	93,817	14,883	Transmission Demand
WP-TAC-1 P. 8	32	Prepayments-Insurance Distribution Plant Related	673,667		673,667	0	673,667	135,517	Distribution Plant
WP-TAC-1 P. 8	33	Accrued Utility Assets - Direct Assign	3,566,004		3,566,004	0	3,566,004	82,626	Direct
WP-TAC-1 P. 8	34	Other Current Assets - Payroll	(10,771)		(10,771)	0	(10,771)	(1,782)	Payroll
WP-TAC-1 P. 8	35	Other Current Assets - Demand Related	0		0	0	0	0	Production Demand
WP-TAC-1 P. 8	36	Other Current Assets - Energy Related	31,097,873		31,097,873	0	31,097,873	4,877,745	Energy
	36	Regulatory Assets & Deferred Debits							
WP-TAC-1 P. 10	37	Regulatory Assets-Cook Refueling Outage Levelization	47,086,475		47,086,475	0	47,086,475	7,385,580	Energy
WP-TAC-1 P. 10	38	Regulatory Assets-Direct Assign	88,986,628		88,986,628	0	88,986,628	25,624,494	Direct
	39	Regulatory Assets-Direct Assign MI Deferrals				533,044	533,044	533,044	Direct
WP-TAC-1 P. 10	40	Regulatory Assets-Production Demand	31,365,023		31,365,023	10,349,991	41,715,013	6,617,816	Production Demand
WP-TAC-1 P. 10	41	Regulatory Assets-Trans Demand	1,523,911		1,523,911	0	1,523,911	241,759	Transmission Demand
WP-TAC-1 P. 10	42	Regulatory Assets-Payroll	8,646,302		8,646,302	0	8,646,302	1,430,200	Payroll
WP-TAC-1 P. 10	43	Regulatory Assets-Non Jurisdictional	606,666		606,666	0	606,666		Non Jurisdictional
WP-TAC-1 P. 10	44	Other Deferred Debits-Distribution Plant	324,270		324,270	0	324,270	65,231	Distribution Plant
WP-TAC-1 P. 10	45	Other Deferred Debits-Energy	746		746	0	746	117	Energy
WP-TAC-1 P. 10	46	Other Deferred Debits-Factoring	3,057,554		3,057,554	0	3,057,554	591,342	Factoring
WP-TAC-1 P. 10	47	Other Deferred Debits-Gross Plant	223,305		223,305	0	223,305	38,040	Gross Plant
WP-TAC-1 P. 10	48	Other Deferred Debits-Net Plant	36,116,092		36,116,092	0	36,116,092	6,199,373	Net Plant
WP-TAC-1 P. 10	49	Other Deferred Debits-Production Plant	13,743,555		13,743,555	(10,706,887)	3,036,668	481,748	Production Demand
	50	Total Assets	798,518,742.32	-	798,518,742	176,148	798,694,890	139,906,877	

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			PROJECTED	NON-APPLICABLE	PROJECTED BEFORE ADJUSTMENTS	FIXED, KNOWN & MEASURABLE ADJUSTMENTS	PROJECTED AFTER ADJUSTMENTS			
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
	1	Liabilities	13 month avg							
WP-TAC-1 P. 11	2	Accumulated Provisions	(7,004,901)		(7,004,901)	0	(7,004,901)	(1,158,693)	Payroll	
	3	Accumulated Provisions Direct Assign								
	4	Current & Accrued Liabilities								
WP-TAC-1 P. 11	5	Accounts Payable	(156,772,415)		(156,772,415)	0	(156,772,415)	(26,706,560)	Gross Plant	
WP-TAC-1 P. 11	6	Accounts Payable Non Jurisdictional	(530,608)		(530,608)	0	(530,608)		Non Jurisdictional	
WP-TAC-1 P. 11	7	Accounts Payable Energy	(6,499,649)		(6,499,649)	0	(6,499,649)	(1,019,479)	Energy	
WP-TAC-1 P. 11	8	Accounts Payable-Related Party	(72,350,356)		(72,350,356)	0	(72,350,356)	(12,325,058)	Gross Plant	
WP-TAC-1 P. 12	9	Taxes Accrued-Payroll	(3,192,774)		(3,192,774)	0	(3,192,774)	(528,122)	Payroll	
WP-TAC-1 P. 12	10	Taxes Accrued-Gross Plant Related	(743,166)		(743,166)	0	(743,166)	(126,600)	Gross Plant	
WP-TAC-1 P. 12	11	Taxes Accrued-State Gross Receipts	(241,125)		(241,125)	0	(241,125)	(39,466)	Firm Sales Revenues	
WP-TAC-1 P. 12	12	Taxes Accrued-Income Taxes	(40,445,347)		(40,445,347)	0	(40,445,347)	(6,942,496)	Net Plant	
WP-TAC-1 P. 12	13	Interest Accrued	(36,331,812)		(36,331,812)	0	(36,331,812)	(6,189,212)	Gross Plant	
WP-TAC-1 P. 12	14	Other Current & Accrued Liabilities	(85,031,605)		(85,031,605)	0	(85,031,605)	(14,066,796)	O&M Expenses	
WP-TAC-1 P. 12	15	Other Current & Accrued Liabilities-Payroll	(31,395)		(31,395)	0	(31,395)	(5,193)	Payroll	
WP-TAC-1 P. 12	16	Other Current & Accrued Liabilities-Direct	(175,310)		(175,310)	0	(175,310)		Non Jurisdictional	
	17	Regulatory Liabilities & Deferred Credits								
WP-TAC-1 P. 14	18	Other Deferred Credits-Gross Plant	(408,207)		(408,207)	0	(408,207)	(69,539)	Gross Plant	
WP-TAC-1 P. 14	19	Other Deferred Credits-Payroll	(315,873)		(315,873)	0	(315,873)	(52,249)	Payroll	
WP-TAC-1 P. 14	20	Other Deferred Credits-Pole Attachments - Distribution Plant	(614,092)		(614,092)	0	(614,092)	(123,532)	Distribution Plant	
WP-TAC-1 P. 14	21	Other Deferred Credits-CIAC Advance - Distribution Plant	(241,849)		(241,849)	0	(241,849)	(48,651)	Distribution Plant	
WP-TAC-1 P. 14	22	Other Deferred Credits-Energy	(46,735)		(46,735)	0	(46,735)	(7,330)	Energy	
WP-TAC-1 P. 14	23	Other Deferred Credits-Direct	(5,806,046)		(5,806,046)	0	(5,806,046)	(1,033,707)	Direct	
WP-TAC-1 P. 14	24	Regulatory Liability-Direct Assign	(19,474,635)		(19,474,635)	0	(19,474,635)	(6,147,054)	Direct	
WP-TAC-1 P. 14	25	Regulatory Liability-Retail Dem Excl Shop	(29,076,559)		(29,076,559)	0	(29,076,559)	(4,964,369)	Retail Demand Excl Shop	
	26	Accumulated Deferred DFIT (Acct 281-283) Direct MI			0	(22,065,212)	(22,065,212)	(22,065,212)	Direct	
NEW 12-17-2019	26a	Protected Excess Deferred DFIT (Acct 281-283) Direct MI				(44,190,195)	(44,190,195)	(44,190,195)	Direct	
	27	Total Liabilities	(465,334,459)	-	(465,334,459)	(66,255,407)	(531,589,865)	(147,809,513)		
	28	Total Working Capital Requirements	333,184,283	-	333,184,283	(66,079,259)	267,105,025	(7,902,636)		
	29	Other Rate Base Offsets	13 Month Avg.							
WP-TAC-1 P. 14	30	Gains Foreign Currency Derivatives (Acct 2540120)	(56,545)		(56,545)	-	(56,545)	0	Non Jurisdictional	
WP-TAC-1 P. 14	31	Deferred Gain Rockport Unit 2 Sale (Acct 2530005)	(9,017,285)		(9,017,285)	-	(9,017,285)	(1,430,534)	Production Demand	
	32	Total Other Rate Base Offsets	(9,073,830)	-	(9,073,830)	0	(9,073,830)	(1,430,534)		
	33	Total Rate Base	7,220,257,820	-	7,220,257,820	(317,755,460)	6,902,502,360	1,131,198,821		

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			PROJECTED	APPLICABLE	PROJECTED BEFORE ADJUSTMENTS	FIXED, KNOWN & MEASURABLE ADJUSTMENTS	PROJECTED AFTER ADJUSTMENTS		
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
WP-TAC-1 P. 15, 16	1	Firm Sales Revenue	1,877,797,124		1,877,797,124	0	1,877,797,124	312,802,397	Direct
	2	Firm Sales Revenue Direct MI				(13,434,901)	(13,434,901)	(13,434,901)	Direct
	3	Firm Sales Revenue - Non-Jurisdictional				(35,303,632)	(35,303,632)		Non Juris
	4	Total Firm Sales	1,877,797,124	-	1,877,797,124	(48,738,533)	1,829,058,592	299,367,496	
	5	Interruptible							
WP-TAC-1 P. 15	6	Demand Related	9,467,887		9,467,887	0	9,467,887	1,502,019	Production Demand
WP-TAC-1 P. 15	7	Energy Related	135,263,269		135,263,269	0	135,263,269	19,415,270	Energy Excl Shop
	8	Total Interruptible Sales	144,731,156	-	144,731,156	0	144,731,156	20,917,289	
	9	Sales for Resale							
WP-TAC-1 P. 16	10	Demand Related	1,719,636		1,719,636	4,742,400	6,462,036	1,025,160	Production Demand
WP-TAC-1 P. 16	11	Energy Related	213,705,791		213,705,791	17,888,498	231,594,289	33,242,326	Energy Excl Shop
	12	Energy Related 4470171 Over-Under OSS Margin Sharing - IN			0	0	0	0	Non Jurisdictional
	13	Energy Related 4470172 Over-recovered PJM Expense Direct			0	0	0	0	Non Jurisdictional
	14	Demand Related 4470183 Over-recovered Capacity Revenues			0	0	0	0	Non Jurisdictional
	15	Total Sales for Resale	215,425,427	-	215,425,427	22,630,898	238,056,325	34,267,486	
	16	Other Operating Revenues							
WP-TAC-1 P. 17	17	450-Forfeited Discounts	5,306,484		5,306,484	0	5,306,484	760,825	Direct
WP-TAC-1 P. 17	18	451-Miscellaneous Service Revenues	4,924,461		4,924,461	0	4,924,461	950,607	Direct
	19	451-Miscellaneous Service Revenues Direct Assign MI				148,682	148,682	148,682	Direct
	20	Rent from Electric Property							
WP-TAC-1 P. 17	21	4541-Rent-Assoc Cos- Production	3,193		3,193	0	3,193	507	Production Demand
WP-TAC-1 P. 17	22	4541-Rent-Assoc Cos- Transmission	1,810,339		1,810,339	(1,066,713)	743,626	117,971	Transmission Demand
WP-TAC-1 P. 17	23	4541-Rent-Assoc Cos- Distribution	3,372,724		3,372,724	0	3,372,724	678,466	Distribution Plant
WP-TAC-1 P. 17	24	4542-Rent-Non-Assoc Cos- Production	476,249		476,249	0	476,249	75,554	Production Demand
WP-TAC-1 P. 17	25	4542-Rent-Non-Assoc Cos- Transmission	81,656		81,656	0	81,656	12,954	Transmission Demand
WP-TAC-1 P. 17	26	4542-Rent-Non-Assoc Cos- Distribution	(7,131)		(7,131)	0	(7,131)	(1,435)	Distribution Plant
WP-TAC-1 P. 17	27	4544-Rent From Elect Prop-ABD-Nonaf Transmission	363,619		363,619	0	363,619	57,686	Transmission Demand
WP-TAC-1 P. 17	28	4544-Rent From Elect Prop-ABD-Nonaf Distribution	272,381		272,381	0	272,381	54,793	Distribution Plant
WP-TAC-1 P. 17	29	4545-Rent From Elect Prop-Pole Atch Distribution	3,915,000		3,915,000	0	3,915,000	787,552	Distribution Plant
	30	Total Rent from Electric Property	10,288,031	-	10,288,031	(1,066,713)	9,221,318	1,784,049	
	31	Other Electric Revenue							
WP-TAC-1 P. 18	32	456-Other Electric Rev. Production	194,641		194,641	0	194,641	30,878	Production Demand
WP-TAC-1 P. 18	33	456-Other Electric Rev. Production LSE-Retail Demand	(132,351,657)		(132,351,657)	1,871	(132,349,786)	(22,596,661)	Retail Demand Excl Shop
WP-TAC-1 P. 18	34	456-Other Electric Rev. Production LSE-Retail Energy	(1,186,919)		(1,186,919)	0	(1,186,919)	(203,288)	Retail Energy Excl Shop
WP-TAC-1 P. 18	35	456-Other Electric Rev.-Production Non Juris	4,263,059		4,263,059	0	4,263,059		Non Jurisdictional
WP-TAC-1 P. 18	36	456-Other Electric Rev. Transmission	162,930,971		162,930,971	0	162,930,971	25,847,940	Transmission Demand
WP-TAC-1 P. 18	37	456-Other Electric Rev.-Transmission Non Juris	(5,865,132)		(5,865,132)	0	(5,865,132)		Non Jurisdictional
WP-TAC-1 P. 18	38	456-Other Electric Rev. Distribution	1,461,056		1,461,056	(946,800)	514,256	103,449	Distribution Plant
WP-TAC-1 P. 18	39	456-Other Electric Rev. Local Facility Charge	283,770		283,770	0	283,770	57,084	Distribution Plant
WP-TAC-1 P. 18	40	456-Other Electric Rev. Local Facility Charge FERC	228,411		228,411	0	228,411		Non Jurisdictional
	41	Total Other Electric Revenues	29,958,201	-	29,958,201	(944,929)	29,013,272	3,239,402	
	42	Total Other Operating Revenues	50,477,177	-	50,477,177	(1,862,961)	48,614,216	6,883,564	
	43	Total Operating Revenues	2,288,430,884	-	2,288,430,884	(27,970,595)	2,260,460,289	361,435,836	

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		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	1	Power Production Expenses							
	2	Steam Generation Expense							
WP-NAH-1	3	5000000, 5000001-Supervision & Engineering	5,105,741		5,105,741	0	5,105,741	809,993	Production Demand
	4	5000005-Deferred OM-20% Non FMR	0		0	47,592	47,592		Non Jurisdictional
WP-NAH-1	5	501-Fuel	142,255,692		142,255,692	0	142,255,692	20,418,941	Energy Excl Shop
	6	501-Fuel Direct MI				(163,427)	(163,427)	(163,427)	Direct
WP-NAH-1	7	502-Steam	189,432		189,432	0	189,432	30,052	Production Demand
WP-NAH-1	8	5020007, 5020008, 5020013 & 5020028-Steam Consumables	12,023,368		12,023,368	8,050,065	20,073,433	2,881,278	Energy Excl Shop
	9	5020030-Defcd Consum DSI 20Pct NonFMR Direct Assign			0	551,508	551,508		Non Jurisdictional
	10	505-Electric			0	0	0	0	Production Demand
WP-NAH-1	11	506-Misc. Power	8,095,666		8,095,666	0	8,095,666	1,284,325	Production Demand
WP-NAH-1	12	507-Rents	70,157,938		70,157,938	0	70,157,938	11,130,101	Production Demand
	13	508-Operation Supplies & Expenses Non-major			0	0	0	0	Production Demand
WP-NAH-1	14	509-Allowances	1,160,526		1,160,526	0	1,160,526	166,578	Energy Excl Shop
	15	Total Steam Operation	238,988,364	-	238,988,364	8,485,739	247,474,102	36,557,842	
WP-NAH-1	16	510-Supervision & Engineering	1,089,360		1,089,360	0	1,089,360	156,363	Energy Excl Shop
	17	511-Structures			0	0	0	0	Production Demand
WP-NAH-1	18	512-Boiler Plant	10,728,579		10,728,579	125,000	10,853,579	1,557,889	Energy Excl Shop
WP-NAH-1	19	513-Electric Plant	871,088		871,088	0	871,088	125,033	Energy Excl Shop
	20	514-Misc Steam Plant	0		0	0	0	0	Production Demand
WP-NAH-1	21	Total Steam Maintenance	12,689,027	-	12,689,027	125,000	12,814,027	1,839,286	
	22	Total Steam Generation Expense	251,677,391	-	251,677,391	8,610,739	260,288,129	38,397,127	
	23	Nuclear Generation Expense							
WP-NAH-1	24	517-Supervision & Engineering	11,359,097		11,359,097	0	11,359,097	1,802,047	Production Demand
WP-NAH-1	25	5180000-5180002 -Fuel	90,819,310		90,819,310	0	90,819,310	13,035,922	Energy Excl Shop
WP-NAH-1	26	519-Coolants and Water	8,967,741		8,967,741	0	8,967,741	1,422,674	Production Demand
WP-NAH-1	27	520-Steam Expense	8,438,414		8,438,414	0	8,438,414	1,338,699	Production Demand
	28	521-Steam from Other Sources			0	0	0	0	Production Demand
	29	522-Steam Transferred Credit			0	0	0	0	Production Demand
WP-NAH-1	30	523-Electric Expense	4,615,501		4,615,501	0	4,615,501	732,219	Production Demand
WP-NAH-1	31	524-Misc Nuclear Power Exp	76,659,777		76,659,777	0	76,659,777	12,161,575	Production Demand
WP-TAC-1 P. 19	32	5240008-Nuclear Decomm Exp	7,447,880		7,447,880	0	7,447,880	3,000,000	Direct
	33	5240008-Nuclear Decomm Exp			0	(7,447,880)	(7,447,880)	(3,000,000)	Direct
WP-NAH-1	34	5240009-Nuclear Decomm Expense-ARO	(7,447,880)		(7,447,880)	7,447,880	0	0	Production Demand
	35	5240013-Nuclear Decomm Expense-Direct MI			0	348,623	348,623	348,623	Direct
	36	5240013-Nuclear Decomm Expense-Direct IN	0		0	2,068,913	2,068,913		Non Jurisdictional
	37	Total Nuclear Operations	200,859,840	-	200,859,840	2,417,536	203,277,376	30,841,760	
WP-NAH-1	38	528-Maint Supervision & Engineering	5,075,715		5,075,715	0	5,075,715	805,229	Production Demand
WP-NAH-1	39	529-Maint of Structures	2,183,083		2,183,083	0	2,183,083	346,332	Production Demand
WP-NAH-1	40	530-Maint of Reactor Plant	91,038,612		91,038,612	0	91,038,612	14,442,684	Production Demand
WP-NAH-1	41	530-Maint of Reactor Plant IN Baffle Bolt Amort	299,936		299,936	0	299,936		Non Jurisdictional
WP-NAH-1	42	531-Maint of Electric Plant	7,411,445		7,411,445	0	7,411,445	1,175,778	Production Demand
WP-NAH-1	43	532-Maint of Misc Nuclear Plant	36,476,314		36,476,314	713,792	37,190,107	5,899,969	Production Demand
	44	Total Nuclear Maintenance	142,485,106	-	142,485,106	713,792	143,198,899	22,669,992	
	45	Total Nuclear Generation Expenses	343,344,946	-	343,344,946	3,131,328	346,476,274	53,511,752	

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		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	1	Production Hydraulic							
	2	535-Supervision & Engineering	0		0	0	0	0	Production Demand
	3	536- Water for Power	0		0	0	0	0	Production Demand
	4	537-Hydraulic Expense	0		0	0	0	0	Production Demand
	5	538-Electric	0		0	0	0	0	Production Demand
WP-NAH-1	6	539-Misc Hydraulic	1,931,366		1,931,366	0	1,931,366	306,399	Production Demand
	7	540- Rents	0		0	0	0	0	Production Demand
	8	Total Hydraulic Operations	1,931,366	-	1,931,366	0	1,931,366	306,399	
	9	541-Supervision & Engineering	0		0	0	0	0	Production Demand
	10	542-Structures	0		0	0	0	0	Production Demand
	11	543-Reservoirs, Etc.	0		0	0	0	0	Production Demand
WP-NAH-1	12	544-Electric Plant	1,621,262		1,621,262	0	1,621,262	232,711	Energy Excl Shop
	13	545-Misc Hydraulic Plant	0		0	0	0	0	Production Demand
	14	Total Hydraulic Maintenance	1,621,262	-	1,621,262	0	1,621,262	232,711	
	15	Total Hydraulic Generation Expense	3,552,628	-	3,552,628	0	3,552,628	539,110	
	16	546-Supervision & Engineering	0		0	0	0	0	Production Demand
	17	547- Fuel	0		0	0	0	0	Energy Excl Shop
	18	547- Fuel - Solar Generation	0		0	0	0	0	Energy
	19	548-Generation Expense	0		0	0	0	0	Production Demand
WP-NAH-1	20	549-Misc Other Power Generation Expense	246,000		246,000	0	246,000	39,026	Production Demand
	21	550-Rents	0		0	0	0	0	Production Demand
	22	Total Other Power Operation	246,000	-	246,000	0	246,000	39,026	
	23	551-Supervision & Engineering	0		0	0	0	0	Production Demand
	24	552-Structures	0		0	0	0	0	Production Demand
	25	553-Generation & Electric Plant	0		0	0	0	0	Production Demand
	26	554-Misc Other Generation	0		0	0	0	0	Production Demand
	27	Total Other Power Maintenance	0	-	0	0	0	0	
	28	Total Other Production Expense	246,000	-	246,000	0	246,000	39,026	
	29	Other Power Supply Expense							
WP-TAC-1 P. 20	30	555-Purchased Power Expense Demand	178,061,603		178,061,603	7,870,639	185,932,242	29,496,942	Production Demand
WP-TAC-1 P. 20	31	555-PJM Reactive & Black Start - Purchased Power Expense Demand	10,550,000		10,550,000		10,550,000	1,673,689	Production Demand
WP-TAC-1 P. 20	32	555-Purchased Power Expense Energy	236,528,432		236,528,432	(457,957)	236,070,475	33,884,824	Energy Excl Shop
	33	5550106-Under recovered PJM Expense Direct IN	0		0	0	0	0	Non Jurisdictional
	34	5550145-Defrd RES Wildcat Wind Cost Direct MI	0		0	0	0	0	Direct
WP-NAH-1	35	556-Sys Control & Load Dispatching	1,389,107		1,389,107	0	1,389,107	220,373	Production Demand
WP-NAH-1	36	557- Other Expenses	1,608,885		1,608,885	0	1,608,885	255,239	Production Demand
	37	5570009- Other Pwr Exp- RECs- RETAIL (Renewable Energy Rider)	0		0	0	0	0	Direct
	38	5570013-Defer RES Solar Rgstry Fees-MI	0		0	0	0	0	Direct
	39	Total Other Power Supply Expense	428,138,027	-	428,138,027	7,412,682	435,550,709	65,531,067	
	40	Total Production O&M Expense	1,026,958,992	-	1,026,958,992	19,154,749	1,046,113,741	158,018,082	

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			TOTAL COMPANY PROJECTED	NON-APPLICABLE	FIXED, KNOWN & MEASURABLE ADJUSTMENTS	PROJECTED BEFORE ADJUSTMENTS	PROJECTED AFTER ADJUSTMENTS		
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	1	Transmission Expense							
WP-NAH-1	2	560-Supervision & Engineering	4,491,166		4,491,166	0	4,491,166	712,494	Transmission Demand
WP-TAC-1 P. 21	3	561-Load Dispatching - Company	1,701,359		1,701,359	0	1,701,359	269,910	Transmission Demand
WP-TAC-1 P. 21	4	561-Load Dispatching - PJM LSE	5,109,028		5,109,028	0	5,109,028	753,121	Production Demand Excl Shop
WP-TAC-1 P. 21	5	561-Load Dispatching - PJM OSS	1,343,263		1,343,263	0	1,343,263	213,100	Production Demand
	6	562-Station Equipment	0		0	0	0	0	Transmission Demand
	7	563-Overhead Lines	0		0	0	0	0	Transmission Demand
	8	564-Underground Lines	0		0	0	0	0	Transmission Demand
	9	565002-Transmsn Elec by Others-NAC	0		0	0	0	0	Transmission Demand
WP-NAH-1	10	5650012-PJM Trans Enhancement Charge	11,285,281		11,285,281	(141,251)	11,144,030	1,902,669	Retail Demand Excl Shop
WP-NAH-1	11	5650015-PJM TO Serv Exp - Aff	1,687,151		1,687,151	(37,612)	1,649,539	282,522	Retail Energy Excl Shop
WP-NAH-1	12	5650016-PJM NITS Expense - Affiliated	151,911,232		151,911,232	(3,603,881)	148,307,351	25,321,167	Retail Demand Excl Shop
WP-NAH-1	13	5650019-Affiliated PJM Trans Enhancement Expense	14,903,718		14,903,718	(211,295)	14,692,423	2,508,502	Retail Demand Excl Shop
WP-NAH-1	14	5650020-Provision PJM NITS Affl Expense - Non Juris	(1,149,924)		(1,149,924)	0	(1,149,924)	0	Non Jurisdictional
WP-NAH-1	15	5650021-PJM NITS Expense - Non-Affilia	602,041		602,041	(7,659)	594,382	101,481	Retail Demand Excl Shop
WP-NAH-1	16	566-Misc Transmission	2,035,364		2,035,364	0	2,035,364	322,897	Transmission Demand
WP-NAH-1	17	567-Rents	1,066,713		1,066,713	(1,066,713)	(0)	(0)	Transmission Demand
WP-NAH-1	18	575-PJM Regional Market Expenses LSE	4,270,765		4,270,765	0	4,270,765	729,166	Retail Demand Excl Shop
WP-NAH-1	19	575-PJM Regional Market Expenses OSS	1,086,261		1,086,261	0	1,086,261	172,328	Production Demand
	20	Total Transmission Operation Expense	200,343,416	-	200,343,416	(5,068,411)	195,275,005	33,289,358	
	21	568-Supervision & Engineering	0		0	0	0	0	Transmission Demand
WP-NAH-1	22	569-Structures	226,423		226,423	0	226,423	35,921	Transmission Demand
WP-NAH-1	23	570-Station Equipment	4,813,434		4,813,434	0	4,813,434	763,620	Transmission Demand
WP-NAH-1	24	571-Overhead Lines	8,518,590		8,518,590	0	8,518,590	1,351,419	Transmission Demand
	25	572-Underground Lines	0		0	0	0	0	Transmission Demand
	26	573-Misc Transmission Expenses	0		0	0	0	0	Transmission Demand
	27	Total Transmission Maintenance Expense	13,558,448	-	13,558,448	0	13,558,448	2,150,960	
	28	Total Transmission O&M Expense	213,901,864	-	213,901,864	(5,068,411)	208,833,453	35,440,318	
	29	Transmission O&M - GSU	785,358		785,358	0	785,358	118,776	Production Demand
	30	Transmission O&M	22,067,691		22,067,691	(1,066,713)	21,000,978	3,337,484	Transmission Demand
	31	Transmission O&M - OSS (Other Production)	2,429,523		2,429,523	0	2,429,523	385,428	Production Demand
	32	Transmission O&M - LSE Demand	188,082,064		188,082,064	(3,964,086)	184,117,978	31,316,107	Production/Retail Demand
	33	Transmission O&M - LSE Energy	1,687,151		1,687,151	(37,612)	1,649,539	282,522	Retail Energy
	34	Transmission Non-Jurisdictional	(1,149,924)		(1,149,924)	0	(1,149,924)	0	Non Jurisdictional
	35	Total	213,901,864	-	213,901,864	(5,068,411)	208,833,453	35,440,318	

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			PROJECTED	NON-APPLICABLE			PROJECTED AFTER ADJUSTMENTS	PROJECTED AFTER ADJUSTMENTS		
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
	1	Distribution Expense								
WP-NAH-1	2	580-Supervision & Engineering	4,183,365		4,183,365	0	4,183,365	841,537	Distribution Plant	
WP-NAH-1	3	581-Load Dispatching	998,118		998,118	0	998,118	200,784	Distribution Plant	
	4	582-Station Equipment	0		0	0	0	0	Distribution Plant	
WP-NAH-1	5	583-Overhead Lines	1,826,658		1,826,658	0	1,826,658	367,455	Distribution Plant	
WP-NAH-1	6	584-Underground Lines	2,206,422		2,206,422	0	2,206,422	443,850	Distribution Plant	
	7	585-Street & Area Lighting	0		0	0	0	0	Distribution Plant	
WP-NAH-1	8	586-Meters	3,181,079		3,181,079	0	3,181,079	639,914	Distribution Plant	
WP-NAH-1	9	587-Customer Installations	202,966		202,966	0	202,966	40,829	Distribution Plant	
WP-NAH-1	10	588-Misc Distribution	15,334,226		15,334,226	(24,320)	15,309,906	3,079,783	Distribution Plant	
	11	588-Misc Distribution Direct Assign MI	0		0	41,162	41,162	41,162	Direct	
	12	588-Misc Distribution Direct Assign IN	0		0	160,722	160,722		Non Jurisdictional	
WP-NAH-1	13	588-Misc Distribution IN Ft Wayne Amortization	914,592		914,592	0	914,592		Non Jurisdictional	
WP-NAH-1	14	589-Rents	1,620,000		1,620,000	0	1,620,000	325,884	Distribution Plant	
	15	Total Distribution Operation	30,467,425	-	30,467,425	177,564	30,644,989	5,981,198		
	16	590-Supervision & Engineering	0		0	0	0	0	Distribution Plant	
	17	591-Structures	0		0	0	0	0	Distribution Plant	
WP-NAH-1	18	592-Station Equipment	1,172		1,172	0	1,172	236	Distribution Plant	
WP-TAC-1 P. 22	19	593-Overhead Lines	7,768,543		7,768,543	0	7,768,543	1,562,741	Distribution Plant	
WP-TAC-1 P. 22	20	593-Overhead Lines-Direct Assign IN	20,288,553		20,288,553	(535,675)	19,752,878		Non Jurisdictional	
WP-TAC-1 P. 22	21	593-Overhead Lines-Direct Assign MI	16,358,444		16,358,444	0	16,358,444	16,358,444	Direct	
WP-NAH-1	22	594-Underground Lines	1,175,947		1,175,947	0	1,175,947	236,557	Distribution Plant	
WP-NAH-1	23	595-Line Transformers	0		0	0	0	0	Distribution Plant	
WP-NAH-1	24	596-Street & Area Lighting	(6,673)		(6,673)	0	(6,673)	(1,342)	Distribution Plant	
WP-NAH-1	25	597-Meters	85,785		85,785	0	85,785	17,257	Distribution Plant	
WP-NAH-1	26	598-Misc Distribution Plant	210,188		210,188	0	210,188	42,282	Distribution Plant	
	27	Total Distribution Maintenance	45,881,959	-	45,881,959	(535,675)	45,346,284	18,216,174		
	28	Total Distribution Expense	76,349,384	-	76,349,384	(358,111)	75,991,273	24,197,373		
	29	Customer Accounts Expense								
WP-NAH-1	30	901-Supervision & Engineering	1,109,224		1,109,224	0	1,109,224	241,185	No. of Customers	
WP-NAH-1	31	902-Meter Reading	1,230,621		1,230,621	0	1,230,621	267,581	No. of Customers	
WP-NAH-1	32	903-Customer Records & Collection Expense	10,811,092		10,811,092	0	10,811,092	2,350,720	No. of Customers	
WP-NAH-1	33	904-Uncollectible Accounts	0		0	0	0	0	No. of Customers	
WP-NAH-1	34	905-Misc Customer Accounts	3,927,016		3,927,016	0	3,927,016	853,874	No. of Customers	
	35	Total Customer Accounts	17,077,953	-	17,077,953	0	17,077,953	3,713,360		
	36	Customer Service & Information Expense								
WP-NAH-1	37	907-Supervision	1,313,736		1,313,736	0	1,313,736	285,653	No. of Customers	
WP-TAC-1 P. 24	38	908-Customer Assistance	168,038		168,038	0	168,038	36,537	No. of Customers	
WP-TAC-1 P. 24	39	908-Customer Assistance Direct Assign IN	20,626,995		20,626,995	(17,249,343)	3,377,652		Non Jurisdictional	
WP-TAC-1 P. 24	40	908-Customer Assistance Direct Assign MI	8,701,289		8,701,289	(6,656,089)	2,045,200	2,045,200	Direct	
WP-TAC-1 P. 24	41	9080018 Dem Resp -Emergency DRS 1	3,125,941		3,125,941	0	3,125,941	495,910	Production Demand	
WP-NAH-1	42	909-Information & Instruction	37,911		37,911	0	37,911	8,243	No. of Customers	
WP-NAH-1	43	910-Misc Customer Service	0		0	0	0	0	No. of Customers	
	44	Total Customer Service & Information	33,973,910	-	33,973,910	(23,905,432)	10,068,478	2,871,544		

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SOURCE	Line No.	Description	TOTAL COMPANY		TOTAL COMPANY PROJECTED BEFORE ADJUSTMENTS	Exhibit IM-63 (TAC-1) FIXED, KNOWN & MEASURABLE ADJUSTMENTS	TOTAL COMPANY PROJECTED AFTER ADJUSTMENTS		ALLOCATOR
			TOTAL COMPANY PROJECTED	NON-APPLICABLE			MI RETAIL		
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	1	Sales Expense							
	2	911-Supervision	0		0	0	0	0	Production Demand
WP-NAH-1	3	912-Demo & Selling	373,048		373,048	0	373,048	59,182	Production Demand
	4	9120005-Demo & Selling Direct Assign MI	0		0	27,276	27,276	27,276	Direct
	5	913-Advertising	0		0	0	0	0	Production Demand
	6	916-Misc Sales Expense	0		0	0	0	0	Production Demand
	7	Total Sales Expense	373,048	-	373,048	27,276	400,324	86,458	
	8	Administrative & General Expense							
WP-NAH-1	9	920-Salaries	47,291,054		47,291,054	0	47,291,054	7,822,498	Payroll
WP-NAH-1	10	921-Office Supplies	3,779,694		3,779,694	0	3,779,694	625,206	Payroll
WP-NAH-1	11	922-Administrative Expense Transferred	(3,956,070)		(3,956,070)	0	(3,956,070)	(654,381)	Payroll
WP-NAH-1	12	923-Outside Services	1,374,816		1,374,816	0	1,374,816	227,411	Payroll
WP-TAC-1 P. 25	13	924-Property Insurance Production	2,310,001		2,310,001	0	2,310,001	366,467	Production Demand
WP-TAC-1 P. 25	14	924-Property Insurance Transmission	675,432		675,432	0	675,432	107,153	Transmission Demand
WP-TAC-1 P. 25	15	924-Property Insurance Distribution	500,862		500,862	0	500,862	100,755	Distribution Plant
WP-NAH-1	16	925-Injuries & Damages	8,878,943		8,878,943	0	8,878,943	1,468,682	Payroll
WP-NAH-1	17	926-Employee Pension & Benefits	17,747,741		17,747,741	0	17,747,741	2,935,686	Payroll
WP-NAH-1	18	9260021-Employee Pension & Benefits - OPEB & VEBA Trust Amort	1,543,628		1,543,628	0	1,543,628	255,334	Payroll
	19	927-Franchise Requirements	0		0	0	0	0	Payroll
WP-NAH-1	20	928 Regulatory Commission Exp. - Production	12,071,484		12,071,484	0	12,071,484	1,915,063	Production Demand
	21	928 Regulatory Commission Exp. - Rate Case Exp Direct Assign - MI			0	491,695	491,695	491,695	Direct
	22	928 Regulatory Commission Exp. - Rate Case Exp Direct Assign - IN			0	490,233	490,233		Non Jurisdictional
	23	929-Duplicate Charges	0		0	0	0	0	Payroll
WP-NAH-1	24	930.1-General Advertising Expense	77,320		77,320	0	77,320	12,790	Payroll
WP-NAH-1	25	930.2-Misc General Expense	3,803,516		3,803,516	(82,101)	3,721,414	615,566	Payroll
	26	930.2-Misc General Expense PJM Capacity Perf Ins	0		0	1,513,220	1,513,220	240,063	Production Demand
WP-NAH-1	27	931-Rent	3,142,839		3,142,839	0	3,142,839	519,863	Payroll
	28	Total Admin & General Operation	99,241,260	-	99,241,260	2,413,047	101,654,306	17,049,849	
	29	935-Admin & General Maintenance	4,749,132		4,749,132		4,749,132	785,563	Payroll
	30	Total Admin & General Expense	103,990,392	-	103,990,392	2,413,047	106,403,438	17,835,411	
	31	Other O&M Expense							
	32	Gain Disp. Of Util Plant (Accts. 411.6 & 411.7) - Production	0		0	0	0	0	Production Demand
	33	Gain Disp. Of Util Plant (Accts. 411.6 & 411.7) - Distribution	0		0	0	0	0	Dist. Plt. Excl. IN Accts
WP-NAH-1	34	Gain Disp. Of Emission Cont. Allow. (Accts. 411.8 & 411.9)	(51,360)		(51,360)	0	(51,360)	(7,372)	Energy Excl Shop
WP-TAC-1 P. 23	35	Factoring Expense (Accts. 426.5009 & 426.5010)	9,701,274		9,701,274	0	9,701,274	1,876,260	Direct
WP-NAH-1	36	Line of Credit Fees	288,002		288,002	0	288,002	47,198	Rate Base
WP-TAC-1 P. 26	37	Accretion Production (Acct. 411.10) - Direct Assign IN	575,114		575,114	0	575,114		Non Jurisdictional
WP-TAC-1 P. 26	38	Accretion Distribution (Acct. 411.10)	15,861		15,861	0	15,861	0	Non Jurisdictional
WP-TAC-1 P. 26	39	Accretion Nuclear (Acct. 411.10)	5,140,816		5,140,816	(5,140,816)	0	0	Production Demand
	40	Total Other O&M Expense	15,669,708	-	15,669,708	(5,140,816)	10,528,891	1,916,087	
	41	Total Operation & Maint Exp	1,488,295,251	-	1,488,295,251	(12,877,699)	1,475,417,553	244,078,632	

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SOURCE	Line No.	Description	TOTAL COMPANY PROJECTED		TOTAL COMPANY PROJECTED BEFORE	Exhibit IM-63 (TAC-1) FIXED, KNOWN & MEASURABLE ADJUSTMENTS	TOTAL COMPANY PROJECTED AFTER	MI RETAIL	ALLOCATOR
			(2)	NON-APPLICABLE (3)	(4)	(5)	(6)		
	1	Depreciation Expense							
WP-TAC-1 P. 27	2	Production	98,860,838		98,860,838	6,788,213	105,649,051	16,760,535	Production Demand
WP-TAC-1 P. 27	3	Nuclear	113,668,418		113,668,418	34,478,888	148,147,306	23,502,607	Production Demand
WP-TAC-1 P. 27	4	Production ARO - Direct Assign IN	306,298		306,298	0	306,298		Non Jurisdictional
WP-TAC-1 P. 27	5	Nuclear ARO	1,512,839		1,512,839	(1,512,839)	0	0	Production Demand
	6	Total Production	214,348,393	-	214,348,393	39,754,262	254,102,654	40,263,142	
WP-TAC-1 P. 27	7	Transmission	32,985,877		32,985,877	7,502,049	40,487,927	6,423,146	Transmission Demand
	8	Total Transmission	32,985,877	-	32,985,877	7,502,049	40,487,927	6,423,146	0
	9	Transmission Plant - GSU	1,133,579		1,133,579	257,812	1,391,391	220,735	Production Demand
	10	Transmission Plant	31,852,299		31,852,299	7,244,237	39,096,535	6,202,411	Transmission Demand
	11	Total	32,985,877		32,985,877	7,502,049	40,487,927	6,423,146	
	12	Distribution			0	(282,211)	(282,211)	(56,978)	Dist. Plt. Excl. IN Accts
WP-TAC-1 P. 28	13	Distribution - Indiana Distribution	76,653,393		76,653,393	0	76,653,393		Non Jurisdictional
WP-TAC-1 P. 28	14	Distribution - Michigan Distribution	19,273,788		19,273,788	0	19,273,788	19,273,788	Direct
	15	Total Distribution	95,927,181	-	95,927,181	(282,211)	95,644,970	19,216,810	
WP-TAC-1 P. 27	16	General	5,609,113		5,609,113	(276,861)	5,332,253	882,018	Payroll
WP-TAC-1 P. 27	17	General Direct Acct 397 (SBSMPP) - IN only	33,657		33,657	0	33,657		Non Jurisdictional
	18	General ARO	0		0	0	0	0	General Plant
	19	Total General	5,642,770	-	5,642,770	(276,861)	5,365,910	882,018	
	20	Total Depreciation Expense	348,904,221	-	348,904,221	46,697,239	395,601,460	66,785,116	
WP-TAC-1 P. 27	21	Amortization Expense							
	22	Intangible Plant	42,635,647		42,635,647	0	42,635,647	7,052,439	Payroll
	23	Intangible Plant - Direct Assign IN	0		0	677,988	677,988		Non Jurisdictional
	24	Intangible Plant - Direct Assign MI	0		0	191,227	191,227	191,227	Direct
	25	Total Intangible	42,635,647	-	42,635,647	869,215	43,504,862	7,243,666	
WP-TAC-1 P. 27	26	Production	8,450,128		8,450,128	0	8,450,128	1,340,558	Production Demand
WP-TAC-1 P. 27	27	Production - Rockport DSI Direct IN	442,916		442,916	0	442,916		Non Jurisdictional
	28	Nuclear	0		0	0	0	0	Production Demand
WP-TAC-1 P. 27	29	Nuclear - Cook Turbine Replacement Direct MI	857,819		857,819	0	857,819	857,819	Direct
WP-TAC-1 P. 27	30	Nuclear - Cook LCM Direct MI	167,049		167,049	0	167,049	167,049	Direct
	31	Total Production	9,917,912	-	9,917,912	0	9,917,912	2,365,426	
	32	Transmission Plant	0		0	0	0	0	Transmission Demand
	33	Total Transmission	0	-	0	0	0	0	
WP-TAC-1 P. 27	34	Distribution Plant	0		0	0	0		
	35	Distribution Plant - EECO Direct MI	25,694		25,694	0	25,694	25,694	Direct
	36	Total Distribution	25,694	-	25,694	0	25,694	25,694	
	37	General Plant	0		0	0	0	0	Payroll
	38	Total General	0	-	0	0	0	0	
	39	Total Amortization Expense	52,579,253	-	52,579,253	869,215	53,448,468	9,634,786	
	40	Amortization of Plant Acquisition Adjustment	0	0	0	0	0		
	41	Total Depreciation & Amortization Expense	401,483,474	-	401,483,474	47,566,454	449,049,929	76,419,902	

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SOURCE	Line No.	Description (1)	TOTAL COMPANY	NON-	TOTAL COMPANY	Exhibit IM-63 (TAC-1)	TOTAL COMPANY	MI RETAIL	ALLOCATOR
			PROJECTED	APPLICABLE	PROJECTED BEFORE ADJUSTMENTS	FIXED, KNOWN & MEASURABLE ADJUSTMENTS	PROJECTED AFTER ADJUSTMENTS		
			(2)	(3)	(4)	(5)	(6)	(7)	(8)
WP-TAC-1 P. 29	1	Reg Debits/Credits - MI Direct Assign	625,439		625,439	(625,439)	(0)	(9,600,524)	Direct
	2	Reg Debits/Credits - MI Direct Assign Production				(539,658)	(539,658)	(539,658)	
	3	Reg Debits/Credits - MI Direct Assign Distribution				(306,524)	(306,524)	(306,524)	
WP-TAC-1 P. 29	4	Reg Debits/Credits - IN Direct Assign	2,130,141		2,130,141	(2,130,141)	0		Non Jurisdictional
WP-TAC-1 P. 29	5	Reg Debits/Credits - FERC Direct Assign	492,431		492,431	(492,431)	0		Non Jurisdictional
	6	Total Reg Debits/Credits	3,248,010	-	3,248,010	(4,094,192)	(846,182)	(10,446,705)	
	7	Other Taxes							
	8	Current Payroll Taxes							
WP-NAH-1	9	FICA	13,276,224		13,276,224	0	13,276,224	2,196,044	Payroll
WP-NAH-1	10	Fed Unemployment	65,200		65,200	0	65,200	10,785	Payroll
WP-NAH-1	11	State Unemployment	323,055		323,055	0	323,055	53,437	Payroll
	12	Total Payroll Related Tax	13,664,479	-	13,664,479	0	13,664,479	2,260,266	
WP-NAH-1	13	Real and Personal Property Tax	67,175,000		67,175,000	0	67,175,000	11,530,675	Net Plant
	14	Real and Personal Property Tax Direct Assign MI				96,000	96,000	96,000	Direct
	15	Total Real and Personal Property Tax	67,175,000	-	67,175,000	96,000	67,271,000	11,626,675	
	16	Other							
WP-TAC-1 P. 30	17	IN P.S.C.	1,890,000		1,890,000	0	1,890,000		Non Jurisdictional
WP-TAC-1 P. 30	18	MI P.S.C.	1,060,500		1,060,500	0	1,060,500	1,060,500	Direct
WP-NAH-1	19	Sales & Use	107,500		107,500	0	107,500	18,313	Gross Plant
	20	Bus Franchise			0	0	0	0	Gross Plant
	21	Regis Fee			0	0	0	0	Gross Plant
WP-NAH-1	22	State Gross Receipts Tax Direct Assign	22,307,952		22,307,952	0	22,307,952		Non Jurisdictional
	23	Federal Excise	0		0	0	0	0	Production Demand
WP-NAH-1	24	Taxes on Capital Leases	902,000		902,000	0	902,000	154,829	Net Plant
	25	Total Taxes Other Than Income	107,107,431	-	107,107,431	96,000	107,203,431	15,120,583	
WP-NAH-1	26	AOFUDC (Acct. 419.1)	(15,405,066)		(15,405,066)	2,500,105	(12,904,961)	(2,208,721)	CWIP
WP-NAH-1	27	ABFUDC (Acct. 432)	(8,170,174)		(8,170,174)	1,302,936	(6,867,238)	(1,175,348)	CWIP
	28	Total AFUDC	(23,575,240)	-	(23,575,240)	3,803,041	(19,772,199)	(3,384,069)	
WP-NAH-1	29	State Income Tax	1,203,570	714,080	1,917,650	(829,291)	1,088,359	128,415	Direct
WP-NAH-1	30	Current Federal Income Taxes	22,914,874	2,703,096	25,617,970	370,821	25,988,791	4,214,835	Direct
WP-NAH-1	31	Deferred Federal Income Tax	(25,178,305)		(25,178,305)	(7,586,372)	(32,764,677)	(5,494,301)	Direct
WP-NAH-1	32	Deferred Investment Tax Credit	(5,214,220)		(5,214,220)	(334,392)	(5,548,612)	(909,724)	Direct
	33	Total Federal Income Taxes	(7,477,651)	2,703,096	(4,774,555)	(7,549,943)	(12,324,498)	(2,189,190)	

**Indiana Michigan Power Company
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SOURCE	Line No.	Description	TOTAL COMPANY PROJECTED	NON-APPLICABLE	TOTAL COMPANY PROJECTED BEFORE ADJUSTMENTS	Exhibit IM-63 (TAC-1) FIXED, KNOWN & MEASURABLE ADJUSTMENTS	TOTAL COMPANY PROJECTED AFTER ADJUSTMENTS	MI RETAIL	ALLOCATOR
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	1	Payroll							
	2	Production							
WP-TAC-1 P. 31-33	3	Demand Related	140,389,668		140,389,668		152,663,022	24,218,996	Production Demand
WP-TAC-1 P. 31-33	4	Energy Related	9,357,714		9,357,714		9,357,714	1,467,771	Energy
	5	Total	<u>149,747,382</u>	-	<u>149,747,382</u>		<u>162,020,736</u>	25,686,767	
WP-TAC-1 P. 31-33	6	Transmission	7,532,092		7,532,092		7,532,092	1,194,917	Transmission Demand
WP-TAC-1 P. 31-33	7	Distribution	14,944,984		14,944,984		14,944,984	3,006,374	Distribution Plant
WP-TAC-1 P. 31-33	8	Customer Accounts	6,846,933		6,846,933		6,846,933	1,488,769	No. of Customers
WP-TAC-1 P. 31-33	9	Cust. Svcs/Info	5,263,917		5,263,917		5,263,917	1,144,565	No. of Customers
	10	Subtotal	<u>184,335,308</u>	-	<u>184,335,308</u>		<u>196,608,662</u>	32,521,392	Subtotal
WP-TAC-1 P. 31-33	11	A&G	35,587,924		35,587,924		35,587,924	5,886,663	
	12	Total Operation and Maintenance Payroll	<u>219,923,232</u>	-	<u>219,923,232</u>		<u>232,196,586</u>	38,408,054	
	13	Payroll Labor Allocation Factor						0.1654118	

**Indiana Michigan Power Company - Michigan
Michigan Projected Jurisdictional Allocation Factors
Twelve Months Ended December 31, 2020**

DESCRIPTION	Michigan	Other	Total
Demand	0.1586435	0.8413565	1.0000000
Demand Excl Shop	0.1474099	0.8525901	1.0000000
Energy	0.1568514	0.8431486	1.0000000
Energy Excl Shop	0.1435369	0.8564631	1.0000000
Retail Demand	0.1833632	0.8166368	1.0000000
Retail Demand Excl Shop	0.1707344	0.8292656	1.0000000
Retail Energy	0.1866002	0.8133998	1.0000000
Retail Energy Excl Shop	0.1712734	0.8287266	1.0000000
Number of Customers	0.2174359	0.7825641	1.0000000
Production Demand	0.1586435	0.8413565	1.0000000
Production Demand Excl Shop	0.1474099	0.8525901	1.0000000
Transmission Demand	0.1586435	0.8413565	1.0000000
Distribution Plant	0.2011627	0.7988373	1.0000000
Distribution Plant excl. IN-Specific Accts.	0.2018980	0.7981020	1.0000000
General Plant	0.1650748	0.8349252	1.0000000
CWIP	0.1711529	0.8288471	1.0000000
Total Gross Plant	0.1703524	0.8296476	1.0000000
Total Net Plant	0.1716513	0.8283487	1.0000000
Rate Base	0.1638824	0.8361176	1.0000000
Firm Sales Revenues	0.1636730	0.8363270	1.0000000
Retail Sales Revenues	0.1800558	0.8199442	1.0000000
System Sales	0.1439470	0.8560530	1.0000000
Total O&M Expenses	0.1654302	0.8345698	1.0000000
Factoring Expense	0.1934035	0.8065965	1.0000000
Payroll Labor Factor	0.1654118	0.8345882	1.0000000

**INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020**

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A	B	C	D	E	F	G	H	I	L	S	Z	AG	AJ	AO	AR	AU	AX	BA
			Label	Constant	Allocation Factor	Source	Function	Total Retail	Total RS	Total GS	Total LGS	Total LP	Total MS	Total WSS	Total EHS	Total IS	Total OL	Total SL
6	Rate Base																	
7	P-T-D Plant in Service																	
8	Production																	
16			Demand	779,554,351	PROD_DE	JSS - Projected*IJ82	TOTAL	779,554,351	363,474,411	199,957,634	59,328,261	139,629,513	6,588,732	5,325,661	1,236,797	2,584,972	742,758	685,613
24			GSU	9,153,802	PROD_DE	JSS - Projected*IJ88	TOTAL	9,153,802	4,268,045	2,347,973	696,653	1,639,579	77,367	62,536	14,523	30,354	8,722	8,051
32			Total	788,708,153		Sum(E16+E24)	TOTAL	788,708,153	367,742,456	202,305,607	60,024,915	141,269,092	6,666,099	5,388,197	1,251,320	2,615,326	751,480	693,664
34	Transmission																	
42			Transmission	257,211,588	TRAN_TO	JSS - Projected*IJ89	TOTAL	257,211,588	111,175,030	73,614,260	19,711,934	46,725,050	2,932,654	1,747,292	730,238	420,622	78,304	76,204
50			Total	257,211,588		Sum(E42)	TOTAL	257,211,588	111,175,030	73,614,260	19,711,934	46,725,050	2,932,654	1,747,292	730,238	420,622	78,304	76,204
52	Distribution																	
60			360 Land and Land Rights	7,321,440	DIST_CPD	JSS - Projected*IJ111	TOTAL	7,321,440	3,646,835	2,184,732	570,404	739,724	85,344	52,988	21,115	12,142	4,120	4,036
68			361 Structures and Improvements	3,750,717	DIST_CPD	JSS - Projected*IJ112	TOTAL	3,750,717	1,868,246	1,119,221	292,214	378,955	43,721	27,145	10,817	6,220	2,110	2,068
76			362 Station Equipment	88,210,287	DIST_CPD	JSS - Projected*IJ113	TOTAL	88,210,287	43,937,856	26,322,123	6,872,355	8,912,359	1,028,241	638,406	254,398	146,289	49,634	48,629
84			363 Storage Battery Equipment	-	DIST_POLES	JSS - Projected*IJ114	TOTAL	-	-	-	-	-	-	-	-	-	-	-
92			364 Poles	79,291,461	DIST_POLES	JSS - Projected*IJ115	TOTAL	79,291,461	45,735,427	21,933,777	4,464,022	4,530,357	882,013	460,163	217,615	783,373	151,390	133,322
100			365 Overhead Lines	145,195,063	DIST_OHLINES	JSS - Projected*IJ116	TOTAL	145,195,063	85,150,410	39,776,255	7,789,428	7,513,890	1,605,611	817,091	396,003	1,580,908	301,203	264,263
108			366 Underground Conduit	13,078,108	DIST_UGLINES	JSS - Projected*IJ117	TOTAL	13,078,108	7,455,117	3,642,147	760,545	796,511	146,075	77,508	36,049	119,977	23,458	20,721
116			367 Underground Lines	41,446,571	DIST_UGLINES	JSS - Projected*IJ118	TOTAL	41,446,571	23,626,433	11,542,534	2,410,285	2,524,267	462,935	245,634	114,246	380,227	74,342	65,668
124			368 Transformers	55,681,303	DIST_TRANSF	JSS - Projected*IJ119	TOTAL	55,681,303	35,421,961	14,488,045	2,227,293	1,337,811	596,997	262,927	146,959	895,363	162,862	141,084
132			369 Services	35,703,352	DIST_SERV	JSS - Projected*IJ120	TOTAL	35,703,352	28,801,778	4,583,002	18,977	-	44,223	62,066	3,813	151,320	1,991,492	46,681
140			370 Meters	30,084,698	DIST_METERS	JSS - Projected*IJ121	TOTAL	30,084,698	16,898,878	9,320,746	1,003,513	913,051	240,768	381,239	40,330	1,279,946	-	6,228
148			371 Installations on Cust Premises	9,452,443	DIST_OL	JSS - Projected*IJ123	TOTAL	9,452,443	-	-	-	-	-	-	-	-	9,452,443	-
156			373 Street Lighting	5,705,674	DIST_SL	JSS - Projected*IJ125	TOTAL	5,705,674	-	-	-	-	-	-	-	-	-	5,705,674
164			Total	514,921,117		Sum(E60+E68+E76+E84+E92+E100+E108+E116+E124+E132+E140+E148+E156)	TOTAL	514,921,117	292,542,941	134,912,581	26,409,036	27,646,925	5,135,928	3,025,167	1,241,346	5,355,766	12,213,054	6,438,375
165	Total P-T-D Plant in Service																	
173			Total	1,560,840,858		Sum(E32+E50+E164)	TOTAL	1,560,840,858	771,460,426	410,832,448	106,145,885	215,641,067	14,734,681	10,160,655	3,222,904	8,391,713	13,042,838	7,208,243
182	General & Intangible Plant																	
183			Total	70,833,307	LABOR_M	JSS - Projected*IJ61+JSS - Projected*IJ134	TOTAL	70,833,307	35,702,442	17,619,053	4,910,797	10,785,703	586,861	459,746	116,463	293,853	270,829	87,760
191	Total Electric Plant in Service																	
192			Total	1,631,674,166		Sum(E173+E182)	TOTAL	1,631,674,166	807,162,868	428,451,501	111,056,681	226,426,769	15,321,342	10,620,401	3,339,367	8,685,567	13,313,667	7,296,003
193	Plant Held for Future Use																	
201	Production																	
209			Production	164,055	RB_GUP_EPIS_P	JSS - Projected*IJ139	TOTAL	164,055	76,492	42,080	12,485	29,385	1,387	1,121	260	544	156	144
217			Transmission	33,055	RB_GUP_EPIS_T	JSS - Projected*IJ140	TOTAL	33,055	14,287	9,460	2,533	6,005	377	225	94	54	10	10
225			Distribution	40,727	RB_GUP_EPIS_D	JSS - Projected*IJ141	TOTAL	40,727	23,138	10,671	2,089	2,187	406	239	98	424	966	509
226			Total	237,837		Sum(E201+E209+E217)	TOTAL	237,837	113,918	62,212	17,107	37,576	2,170	1,585	452	1,022	1,132	663
227	Completed Construction Not Classified																	
235	General & Intangible																	
243			Production	-	RB_GUP_EPIS_G	-	TOTAL	-	0	0	0	0	0	0	0	0	0	0
251			Transmission	-	RB_GUP_EPIS_T	-	TOTAL	-	-	-	-	-	-	-	-	-	-	-
259			Transmission GSU	-	RB_GUP_EPIS_P	-	TOTAL	-	-	-	-	-	-	-	-	-	-	-
267			Distribution	-	RB_GUP_EPIS_D	-	TOTAL	-	0	0	0	0	0	0	0	0	0	0
275			Total	-		Sum(E235+E243+E251+E259+E267)	TOTAL	-	0	0	0	0	0	0	0	0	0	0
276	Construction Work in Progress																	
285	General & Intangible																	
293			Production	2,902,007	RB_GUP_EPIS_G	JSS - Projected*IJ145+JSS - Projected*IJ151	TOTAL	2,902,007	1,462,712	721,844	201,193	441,885	24,035	18,836	4,771	12,039	11,096	3,595
301			Nuclear	6,618,838	RB_GUP_EPIS_P	JSS - Projected*IJ146+JSS - Projected*IJ147	TOTAL	6,618,838	3,086,094	1,697,749	503,729	1,185,530	55,942	45,218	10,501	21,948	6,306	5,821
309			Transmission	12,609,767	RB_GUP_EPIS_P	JSS - Projected*IJ148	TOTAL	12,609,767	5,879,420	3,234,437	959,671	2,258,592	106,577	86,146	20,006	41,813	12,015	11,090
317			Distribution	16,422,085	RB_GUP_EPIS_T	JSS - Projected*IJ149	TOTAL	16,422,085	7,098,147	4,700,020	1,258,540	2,983,236	187,240	111,559	46,623	26,855	4,999	4,865
325			Total	19,518,829	RB_GUP_EPIS_D	JSS - Projected*IJ150	TOTAL	19,518,829	11,089,263	5,114,056	1,001,073	1,047,997	194,685	114,673	47,055	203,018	462,953	244,056
326			Total	58,071,526		Sum(E285+E293+E301+E309+E317)	TOTAL	58,071,526	28,615,637	15,468,106	3,924,205	7,917,240	568,479	376,431	128,957	305,674	497,370	269,428
334	Retentions																	
335			Total	(1,081,877)	RB_GUP_CWIP	JSS - Projected*IJ156	TOTAL	(1,081,877)	(533,112)	(288,172)	(73,108)	(147,499)	(10,591)	(7,013)	(2,402)	(5,695)	(9,266)	(5,019)
343	Electric Utility Plant																	
344			Total	1,688,901,651		Sum(E191+E225+E275+E325+E334)	TOTAL	1,688,901,651	835,359,311	443,693,846	114,924,886	234,234,086	15,881,399	10,991,404	3,466,374	8,986,567	13,802,902	7,561,075
345	Accum. Depreciation and Amortization																	
354	Steam, Hydro & Other																	
362			Nuclear	(78,573,142)	RB_GUP_EPIS_P	JSS - Projected*IJ163+JSS - Projected*IJ165+JSS - Projected*IJ195	TOTAL	(78,573,142)	(36,635,453)	(20,154,207)	(5,979,837)	(14,073,592)	(664,094)	(536,786)	(124,660)	(260,545)	(74,864)	(69,105)
370			GSU	(221,386,783)	RB_GUP_EPIS_P	JSS - Projected*IJ164	TOTAL	(221,386,783)	(103,223,631)	(56,786,261)	(16,848,720)	(39,653,590)	(1,871,144)	(1,512,442)	(351,240)	(734,110)	(210,937)	(194,708)
378			Transmission	(2,883,830)	RB_GUP_EPIS_P	JSS - Projected*IJ173	TOTAL	(2,883,830)	(1,344,613)	(739,710)	(219,475)	(516,536)	(24,374)	(19,701)	(4,575)	(9,563)	(2,748)	(2,536)
386			Distribution	(81,032,408)	RB_GUP_EPIS_T	JSS - Projected*IJ174	TOTAL	(81,032,408)	(35,024,784)	(23,191,571)	(6,210,484)	(14,720,345)	(923,909)	(550,470)	(230,056)	(132,514)	(24,669)	(24,007)
394			Total	(138,364,263)	RB_GUP_EPIS_D	JSS - Projected*IJ177	TOTAL	(138,364,263)	(78,609,105)	(36,252,310)	(7,096,362)	(7,428,995)	(1,380,073)	(812,891)	(333,562)	(1,439,146)	(3,281,765)	(1,730,053)
394	General & Intangible																	
402			Total	(26,129,234)	RB_GUP_EPIS_G	JSS - Projected*IJ182+JSS - Projected*IJ206	TOTAL	(26,129,234)	(13,170,040)	(6,499,377)	(1,811,512)	(3,978,667)	(216,410)	(169,593)	(42,961)	(108,398)	(99,904)	(32,373)
402			Total	(548,369,660)		Sum(+E354+E362+E370+E378+E386+E394)	TOTAL	(548,369,660)	(268,007,625)	(143,623,435)	(38,165,989)	(80,371,725)	(5,080,003)	(3,601,884)	(1,087,053)	(2,684,275)	(3,694,888)	(2,052,783)

**INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020**

Indiana Michigan Power Company
Case No.: U-20359
MRE 408
Exhibit A-16, Schedule F-1.1
Page 2 of 47

A	B	C	D	E	F	G	H	I	L	S	Z	AG	AJ	AO	AR	AU	AX	BA
			Label	Constant	Allocation Factor	Source	Function	Total Retail	Total RS	Total GS	Total LGS	Total LP	Total MS	Total WSS	Total EHS	Total IS	Total OL	Total SL
403			Net Electric Plant in Service	1,140,531,991		Sum(E343+E402)	TOTAL	1,140,531,991	567,351,686	300,070,211	76,758,897	153,862,362	10,801,396	7,389,520	2,379,320	6,302,292	10,108,015	5,508,292
413			Working Capital															
414			Assets															
422			Allowance Inventory-Oth Prop & Inv Non Current	4,025,931	PROD_ENERGY	JSS - Projected*J217	TOTAL	4,025,931	1,869,828	1,080,456	388,713	553,284	39,585	40,023	8,844	12,544	16,977	15,679
430			Cash, Cash Equivalents & Special Deposits	2,723,980	RB_GUP	JSS - Projected*J220	TOTAL	2,723,980	1,347,326	715,620	185,359	377,789	25,615	17,728	5,591	14,494	22,262	12,195
438			Accounts Receivable Direct	24,043,267	RSALE	JSS - Projected*J222	TOTAL	24,043,267	11,881,344	6,633,435	1,806,801	2,969,498	211,507	183,471	49,447	80,362	147,718	79,684
446			Accounts Receivable Retail Sales	431	RSALE	JSS - Projected*J224	TOTAL	431	213	119	32	53	4	3	1	1	3	
454			Accounts Receivable System Sales	4,049,023	SS	JSS - Projected*J225	TOTAL	4,049,023	1,880,772	1,085,215	388,465	561,506	39,645	39,876	8,821	12,640	16,679	15,404
462			Accounts Receivable Gross Plant	565,492	RB_GUP	JSS - Projected*J226	TOTAL	565,492	279,702	148,561	38,480	78,428	5,318	3,680	1,161	3,009	4,622	2,532
470			Accounts Receivable Factoring	(22,989,739)	RSALE	JSS - Projected*J223	TOTAL	(22,989,739)	(11,360,727)	(6,342,772)	(1,727,630)	(2,839,380)	(202,239)	(175,432)	(47,280)	(76,840)	(141,246)	(76,193)
478			Accounts Receivable Energy	-	PROD_ENERGY	JSS - Projected*J227	TOTAL	-	0	0	-	0	0	0	0	0	0	0
486			Accounts Receivable-Retail Demand Excl Shop	4,964,369	TRAN_LSE	JSS - Projected*J228	TOTAL	4,964,369	2,565,271	1,364,460	374,577	556,983	44,235	32,559	7,741	18,544	0	0
494			Other Accounts Receivable Direct Assign	78,881	RB_GUP	JSS - Projected*J230	TOTAL	78,881	39,016	20,723	5,368	10,940	742	513	162	420	645	353
502			Uncollectibles	(13,909)	SS	JSS - Projected*J231	TOTAL	(13,909)	(6,461)	(3,728)	(1,329)	(136)	(137)	(30)	(43)	(57)	(53)	
510			Accounts Receivable Related Party	11,717,938	RB_GUP	JSS - Projected*J232	TOTAL	11,717,938	5,795,890	3,078,435	797,372	1,625,163	110,188	76,261	24,500	62,351	95,767	52,460
518			Fuel Inventory	5,180,891	PROD_ENERGY	JSS - Projected*J233	TOTAL	5,180,891	2,406,244	1,390,418	500,226	712,010	50,941	51,505	11,381	16,142	20,177	20,177
526			Allowance Inventory-Current	(94,622)	PROD_ENERGY	JSS - Projected*J234	TOTAL	(94,622)	(43,947)	(25,394)	(9,136)	(13,004)	(930)	(941)	(208)	(295)	(369)	
534			Materials & Supplies - Prod	22,512,330	RB_GUP_EPIS_P	JSS - Projected*J235	TOTAL	22,512,330	10,496,582	5,774,469	1,713,309	4,032,285	190,272	153,797	35,717	74,650	21,450	19,799
542			Materials & Supplies - Prod Energy	170,739	PROD_ENERGY	JSS - Projected*J236	TOTAL	170,739	79,299	45,822	16,485	23,465	1,679	1,697	375	532	720	665
550			Materials & Supplies - Trans	1,380,315	RB_GUP_EPIS_T	JSS - Projected*J237	TOTAL	1,380,315	596,616	395,048	105,783	250,748	15,738	9,377	3,919	2,257	420	409
558			Materials & Supplies - Dist	2,445,162	RB_GUP_EPIS_D	JSS - Projected*J238	TOTAL	2,445,162	1,389,174	640,648	125,406	131,285	24,389	14,365	5,895	25,432	57,995	30,573
566			Prepayments-Distribution Plant Related	28,536	RB_GUP_EPIS_D	JSS - Projected*J239	TOTAL	28,536	16,212	7,477	1,464	1,532	285	69	297	677	357	
574			Prepayments - Payroll Related	23,478,121	LABOR_M	JSS - Projected*J240	TOTAL	23,478,121	11,833,787	5,839,940	1,627,713	3,574,985	194,452	152,386	38,602	97,399	89,768	29,089
582			Prepayments - Net Plant Related	431,166	NP	JSS - Projected*J241	TOTAL	431,166	214,481	113,438	29,018	58,166	4,083	2,794	899	2,383	3,821	2,082
590			Prepayments - Gross Plant Related	504,636	RB_GUP	JSS - Projected*J242	TOTAL	504,636	249,602	132,574	34,339	69,988	4,745	3,284	1,036	4,124	2,259	
598			Prepayments - Insurance Production Demand Related	121,210	RB_GUP_EPIS_P	JSS - Projected*J243	TOTAL	121,210	56,516	31,091	9,225	21,711	1,024	828	192	402	115	107
606			Prepayments - Insurance Dist Plant	135,517	RB_GUP_EPIS_D	JSS - Projected*J244	TOTAL	135,517	76,991	35,506	6,950	7,276	1,352	796	327	1,410	3,214	
614			Prepayments - Insurance Transmission Demand Related	14,883	RB_GUP_EPIS_T	JSS - Projected*J245	TOTAL	14,883	6,433	4,260	1,141	2,704	101	42	24	5	4	
622			Accrued Utility Assets	82,626	RSALE	JSS - Projected*J246	TOTAL	82,626	40,851	22,796	6,209	10,205	727	631	170	508	274	
630			Special Deposits - Payroll	21,484	LABOR_M	JSS - Projected*J247	TOTAL	21,484	5,344	3,271	1,489	3,271	178	139	82	27		
638			Other Current Assets - Payroll	(1,782)	LABOR_M	JSS - Projected*J247	TOTAL	(898)	(443)	(271)	(124)	(175)	(12)	(3)	(7)	(2)		
646			Other Current Assets - Energy Related	4,877,745	PROD_ENERGY	JSS - Projected*J249	TOTAL	4,877,745	2,265,449	1,309,061	470,957	670,348	47,960	48,491	10,715	15,197	20,569	18,996
654			Cook Refueling Outage Levelization	7,385,580	PROD_ENERGY	JSS - Projected*J251	TOTAL	7,385,580	3,430,203	1,982,099	713,094	1,015,000	73,422	16,225	23,011	31,144	28,763	
662			Other Accounts Receivable - Gross Plant	243,513	RB_GUP	JSS - Projected*J229	TOTAL	243,513	120,446	63,974	16,570	33,773	2,290	1,585	500	1,296	1,990	
670			Regulatory Assets-Direct Assign MI Deferrals	533,044	LABOR_M	JSS - Projected*J253	TOTAL	533,044	268,673	132,589	36,955	81,166	4,415	3,460	876	2,211	2,038	660
678			Reg Asset - Direct Assign	25,624,494	RB_GUP_EPIS_P	JSS - Projected*J252	TOTAL	25,624,494	11,947,657	6,572,747	1,950,161	4,589,719	216,576	175,508	40,654	84,970	24,415	22,537
686			Reg Asset - Production Plant	6,617,816	RB_GUP_EPIS_P	JSS - Projected*J254	TOTAL	6,617,816	3,085,618	1,697,486	503,651	1,185,347	55,933	45,211	10,499	21,944	6,305	5,820
694			Regulatory Assets-Trans Demand	241,759	RB_GUP_EPIS_T	JSS - Projected*J255	TOTAL	241,759	104,496	69,192	18,528	43,918	2,756	1,642	686	395	74	72
702			Other Deferred Debits - Dist	65,231	RB_GUP_EPIS_D	JSS - Projected*J258	TOTAL	65,231	37,060	17,091	3,346	3,502	651	1,642	686	395	74	72
710			Other Deferred Debits - Energy	117	PROD_ENERGY	JSS - Projected*J259	TOTAL	117	54	31	11	16	1	1	0	0	0	
718			Other Deferred Debits - Factoring	591,342	RSALE	JSS - Projected*J260	TOTAL	591,342	292,220	163,149	44,438	73,034	5,202	4,512	1,216	1,976	3,633	1,960
726			Other Deferred Debits - Gross Plant	38,040	RB_GUP	JSS - Projected*J261	TOTAL	38,040	18,815	9,994	2,589	5,276	358	248	78	202	311	170
734			Other Deferred Debits - Net Plant	6,199,373	NP	JSS - Projected*J262	TOTAL	6,199,373	3,083,846	1,631,035	417,224	836,320	58,711	40,166	12,933	34,256	54,942	29,940
742			Regulatory Assets-Payroll	1,430,200	LABOR_M	JSS - Projected*J256	TOTAL	1,430,200	720,871	355,748	99,154	217,775	11,845	9,283	2,352	5,933	5,468	1,772
750			Other Deferred Debits - Prod	481,748	RB_GUP_EPIS_P	JSS - Projected*J263	TOTAL	481,748	224,619	123,569	36,664	86,288	4,072	3,291	764	1,597	459	424
						Sum(E422+E430+E438+E446+E454+E462+E470+E478+E486+E494+E502+E510+E518+E526+E534+E542+E550+E558+E566+E574+E582+E590+E598+E606+E614+E622+E630+E638+E646+E654+E662+E670+E678+E686+E694+E702+E710+E718+E726+E734+E742+E750)	TOTAL	139,906,877	67,320,951	36,321,282	10,739,041	21,620,173	1,246,941	1,016,213	254,613	544,826	520,605	322,230
758			Total - Assets	139,906,877			TOTAL	139,906,877	67,320,951	36,321,282	10,739,041	21,620,173	1,246,941	1,016,213	254,613	544,826	520,605	322,230
760			Liabilities															
768			Accumulated Provisions	(1,158,693)	LABOR_M	JSS - Projected*J267	TOTAL	(1,158,693)	(584,022)	(288,213)	(80,331)	(176,433)	(9,597)	(7,521)	(1,905)	(4,807)	(4,430)	(1,436)
776			Accounts Payable	(26,706,560)	RB_GUP	JSS - Projected*J270	TOTAL	(26,706,560)	(13,209,516)	(7,016,117)	(1,817,304)	(3,703,938)	(251,132)	(173,807)	(54,814)	(142,104)	(218,265)	(119,563)
784			Accounts Payable - Related Party	(12,325,058)	RB_GUP	JSS - Projected*J273	TOTAL	(12,325,058)	(6,096,182)	(3,237,933)	(838,685)	(1,709,365)	(115,897)	(80,212)	(25,296)	(65,581)	(100,729)	(55,178)
792			Taxes Accrued-Payroll	(528,122)	LABOR_M	JSS - Projected*J274	TOTAL	(528,122)	(266,192)	(131,365)	(36,614)	(80,417)	(4,374)	(3,428)	(868)	(2,191)	(2,019)	(654)
800			Taxes Accrued-Gross Plant	(126,600)	RB_GUP	JSS - Projected*J275	TOTAL	(126,600)	(62,619)	(33,259)	(8,615)	(17,558)	(1,190)	(824)	(260)	(674)	(1,035)	(567)
808			Taxes Accrued-Gross Receipts	(39,466)	RSALE	JSS - Projected*J276	TOTAL	(39,466)	(19,503)	(10,888)	(4,874)	(3,470)	(301)	(81)	(132)	(242)	(131)	
816			Accounts Payable Energy	(1,019,479)	PROD_ENERGY	JSS - Projected*J272	TOTAL	(1,019,479)	(473,493)	(273,602)	(98,433)	(140,107)	(10,024)	(10,135)	(2,240)	(3,176)	(4,299)	(3,970)
824			Other Current & Accrued Liabilities-Payroll	(5,193)	LABOR_M	JSS - Projected*J280	TOTAL	(5,193)	(2,618)	(1,292)	(360)	(791)	(43)	(34)	(9)	(20)	(6)	
832			Other Deferred Credits-Gross Plant	(69,539)	RB_GUP	JSS - Projected*J283	TOTAL	(69,539)	(34,395)	(18,269)	(4,732)	(9,644)	(654)	(453)	(143)	(370)	(568)	(311)
840			Other Deferred Credits-CIAC Advance															

**INDIANA MICHIGAN POWER COMPANY - MICHIGAN
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			Label	Constant	Allocation Factor	Source	Function	Total Retail	Total RS	Total GS	Total LGS	Total LP	Total MS	Total WSS	Total EHS	Total IS	Total OL	Total SL
1706			Production	18,101,093	RB_GUP_EPIS_P	JSS - Projected'J587+JSS - Projected'J618	TOTAL	18,101,093	8,439,802	4,642,975	1,377,590	3,242,169	152,989	123,661	28,718	60,023	17,247	15,920
1714			Nuclear	24,527,475	RB_GUP_EPIS_P	JSS - Projected'J588+JSS - Projected'J620+JSS - Projected'J621+JSS - Projected'J622	TOTAL	24,527,475	11,436,162	6,291,359	1,866,672	4,393,227	207,304	167,564	38,914	81,332	23,370	21,572
1722			GSU	220,735	RB_GUP_EPIS_P	JSS - Projected'J596	TOTAL	220,735	102,920	56,619	16,799	39,537	1,866	1,508	350	732	210	194
1730			Transmission	6,202,411	RB_GUP_EPIS_T	JSS - Projected'J597+JSS - Projected'J625	TOTAL	6,202,411	2,680,879	1,775,137	475,334	1,126,730	70,718	42,134	17,609	10,143	1,888	1,838
1738			Distribution	19,242,504	RB_GUP_EPIS_D	JSS - Projected'J600+JSS - Projected'J602+JSS - Projected'J629	TOTAL	19,242,504	10,932,274	5,041,657	986,901	1,033,160	191,929	113,050	46,389	200,144	456,399	240,601
1746			General & Intangible	8,125,684	RB_GUP_EPIS_G	JSS - Projected'J605+JSS - Projected'J607+JSS - Projected'J613+JSS - Projected'J615+JSS - Projected'J633	TOTAL	8,125,684	4,095,626	2,021,180	563,345	1,237,288	67,299	52,740	13,360	33,710	31,068	10,067
1754			Total Depreciation & Amort Expense	76,419,902		Sum(E1706+E1714+E1722+E1730+E1738+E1746)	TOTAL	76,419,902	37,687,663	19,828,928	5,286,641	11,072,111	692,105	500,657	145,340	386,083	530,183	290,192
1755			Regulatory Debits/Credits															
1764			Reg Debits/Credits - MI Direct Assign Rate Base	(9,600,524)	RATEBASENOTO	JSS - Projected'J642	TOTAL	(9,600,524)	(4,898,921)	(2,479,766)	(632,220)	(1,206,464)	(87,096)	(62,098)	(18,552)	(60,045)	(100,689)	(54,672)
1772			Reg Debits/Credits - MI Direct Assign Production	(306,524)	RB_GUP_EPIS_P	JSS - Projected'J643	TOTAL	(306,524)	(142,920)	(78,624)	(23,328)	(54,903)	(2,591)	(2,094)	(486)	(1,016)	(292)	(270)
1780			Reg Debits/Credits - MI Direct Assign Distribution	(539,658)	RB_GUP_EPIS_D	JSS - Projected'J642	TOTAL	(539,658)	(306,596)	(141,394)	(27,678)	(28,975)	(5,383)	(3,170)	(1,301)	(5,613)	(12,800)	(6,748)
1788			Total Regulatory Debits/Credits	(10,446,705)		Sum(G1764+G1772)	TOTAL	(10,446,705)	(5,348,438)	(2,699,783)	(683,226)	(1,290,342)	(95,070)	(67,362)	(20,340)	(66,675)	(113,781)	(61,689)
1789			Taxes Other Than Income															
1798			Federal Insurance Tax	2,196,044	LABOR_M	JSS - Projected'J650	TOTAL	2,196,044	1,106,882	546,243	152,249	334,389	18,188	14,254	3,611	9,110	8,397	2,721
1806			Federal Unemployment Tax	10,785	LABOR_M	JSS - Projected'J651	TOTAL	10,785	5,436	2,683	748	1,642	89	70	18	45	41	13
1814			State Unemployment Insurance	53,437	LABOR_M	JSS - Projected'J652	TOTAL	53,437	26,934	13,292	3,705	8,137	347	88	222	204	66	
1822			Real & Personal Property Tax	11,626,675	NP	JSS - Projected'J655+JSS - Projected'J656	TOTAL	11,626,675	5,783,629	3,058,940	782,486	1,568,485	110,110	75,329	24,255	64,246	103,042	56,152
1830			PSC Assessment	1,060,500	RSALE	JSS - Projected'J661	TOTAL	1,060,500	524,062	292,587	79,694	130,979	9,329	8,093	2,181	3,545	6,516	3,515
1838			Misc Sales and Use Taxes	18,313	RB_GUP	JSS - Projected'J662	TOTAL	18,313	9,058	4,811	1,246	2,540	172	38	97	150	82	
1846			Gross Receipts Tax	-	RSALE	JSS - Projected'J665	TOTAL	-	-	-	-	-	-	-	-	-	-	-
1854			Federal Excise Tax	-	PROD_DE	JSS - Projected'J666	TOTAL	-	-	-	-	-	-	-	-	-	-	-
1862			Bus Franchise and regis Fee	-	RB_GUP	JSS - Projected'J663	TOTAL	-	-	-	-	-	-	-	-	-	-	-
1870			Misc Capital Lease Tax	154,829	NP	JSS - Projected'J667	TOTAL	154,829	77,019	40,735	10,420	20,887	1,466	1,003	323	856	1,372	748
1878			Total Taxes Other Than Income	15,120,583		Sum(+E1790+E1798+E1806+E1814+E1822+E1830+E1838+E1846+E1854+1862)	TOTAL	15,120,583	7,533,020	3,959,291	1,030,549	2,067,059	139,798	99,215	30,513	78,120	119,721	63,297
1879			AFUDC	(3,384,069)	RB_GUP_CWIP	JSS - Projected'J673	TOTAL	(3,384,069)	(1,667,552)	(901,391)	(228,680)	(461,370)	(33,128)	(21,936)	(7,515)	(17,813)	(28,984)	(15,701)
1886			Total Operating Expense Before Income Tax	321,788,344		Sum(E1696+E1754+E1780+E1868+E1877)	TOTAL	321,788,344	159,133,536	83,793,936	24,331,595	45,201,994	2,901,076	2,337,141	600,877	1,403,785	1,331,707	752,697
1897			Net Operating Income Before Income Tax	39,647,493		Sum(E1206-E1888)	TOTAL	39,647,493	16,277,540	15,562,696	3,864,961	1,831,414	389,451	531,101	178,505	(249,338)	783,852	477,312
1906			Tax section not updated															
1907			Interest Expense Factor	1.940000000%		WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)												
1815			Interest Expense Synchronized	21,945,257		Sum(E988*E1899)	TOTAL	21,945,257	10,908,268	5,772,091	1,485,229	2,965,631	207,741	143,158	45,777	120,097	192,341	104,924
1816																		
1924			Taxable Income Before Schedule M Adjustments	17,702,236		Sum(E1897-E1907)	TOTAL	17,702,236	5,369,272	9,790,605	2,379,733	(1,134,217)	181,710	387,943	132,728	(369,435)	591,511	372,388
1925			Schedule M Income Adjustments															
1934			Gross Plant Related	1,827,707	RB_GUP	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	1,827,707	904,015	480,159	124,370	253,485	17,187	11,895	3,751	9,725	14,937	8,182
1942			Property Tax Adjustments	-	NP	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	-	0	0	0	0	0	0	0	0	0	0
1950			Labor Related	(2,135,187)	LABOR_M	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(2,135,187)	(1,076,208)	(531,106)	(148,030)	(325,122)	(17,684)	(13,859)	(3,511)	(8,858)	(8,164)	(2,645)
1958			Production Plant Related	(1,030,151)	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(1,030,151)	(480,317)	(264,236)	(78,400)	(184,515)	(8,707)	(7,038)	(1,634)	(3,416)	(982)	(906)
1966			Production Demand Related	-	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	-	0	0	0	0	0	0	0	0	0	0
1974			Rate Base Related	223,215	RATEBASE	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	223,215	110,953	58,711	15,107	30,165	2,113	1,456	466	1,222	1,956	1,067
1982			Production Energy Related	5,784,740	PROD_ENERGY	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	5,784,740	2,686,699	1,552,475	558,529	794,997	56,878	57,508	12,708	18,023	24,393	22,529
1990			Customer Related	-	EXP_OM_CUSTACCT	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	-	0	0	0	0	0	0	0	0	0	0
1998			Distribution Related	762,061	RB_GUP_EPIS_D	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	762,061	432,951	199,665	39,084	40,916	7,601	4,477	1,837	7,926	18,075	9,529
2006			General Plant Related	(1,872,128)	RB_GUP_EPIS_G	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(1,872,128)	(943,617)	(465,672)	(129,793)	(285,067)	(15,505)	(12,151)	(3,078)	(7,767)	(7,158)	(2,320)
2014			Transmission Plant Related	-	RB_GUP_EPIS_T	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	-	0	0	0	0	0	0	0	0	0	0
2022			Provision for Uncollectibles	-	RSALE	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	-	0	0	0	0	0	0	0	0	0	0
2030			CWIP Related	(1,063,437)	RB_GUP_CWIP	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(1,063,437)	(524,025)	(283,260)	(71,862)	(144,985)	(10,410)	(6,893)	(2,362)	(5,598)	(9,108)	(4,934)

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
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			Label	Constant	Allocation Factor	Source	Function	Total Retail	Total RS	Total GS	Total LGS	Total LP	Total MS	Total WSS	Total EHS	Total IS	Total OL	Total SL
						Sum(E1926+E1934+E1942+E1950+E1958+E1966+E1974+E1982+E1990+E1998+E2006+E2014+E2022)	TOTAL	2,496,820	1,110,450	746,735	309,006	179,874	31,472	35,395	8,177	11,258	33,950	30,502
2038			Total Schedule M Income Adjustments	2,496,820														
2039																		
2040			State Tax Adjustments															
2048			Indiana - Gross Plant Related	(18,466,465)	RB_GUP	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	(18,466,465)	(9,133,826)	(4,851,350)	(1,256,590)	(2,561,117)	(173,647)	(120,180)	(37,901)	(98,259)	(150,921)	(82,673)
2056			Indiana - Other (Tax Credit)	-	RB_GUP	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	-	0	0	0	0	0	0	0	0	0	0
2064			Indiana - Production Plant Related	-	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	-	0	0	0	0	0	0	0	0	0	0
2072			Illinois - Gross Plant Related	(17,424,868)	RB_GUP	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	(17,424,868)	(8,618,634)	(4,577,711)	(1,185,712)	(2,416,658)	(163,853)	(113,401)	(35,764)	(92,717)	(142,408)	(78,010)
2080			Kentucky - Gross Plant Related	(18,466,466)	RB_GUP	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	(18,466,466)	(9,133,826)	(4,851,350)	(1,256,590)	(2,561,118)	(173,647)	(120,180)	(37,901)	(98,259)	(150,921)	(82,673)
2088			Kentucky - Production Plant Related	-	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	-	-	-	0	-	-	-	-	-	-	-
2096			Michigan - Gross Plant Related	(17,424,868)	RB_GUP	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	(17,424,868)	(8,618,634)	(4,577,711)	(1,185,712)	(2,416,658)	(163,853)	(113,401)	(35,764)	(92,717)	(142,408)	(78,010)
2104			Michigan - Production Plant Related	-	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	-	-	-	0	-	-	-	-	-	-	-
2112			Missouri - Gross Plant Related	-	RB_GUP	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	-	-	-	0	-	-	-	-	-	-	-
2120			West Virginia - Production Plant Related	30	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	30	14	8	2	5	0	0	0	0	0	0
2121																		
2129			Indiana Taxable Income	1,732,591		Sum(E1916+E2030+E2040+E2056)	TOTAL	1,732,591	(2,654,104)	5,685,990	1,432,149	(3,515,461)	39,535	303,158	103,004	(456,436)	474,540	320,217
2130			Tax Factor (Tax Rate x Apportionment)	4.0027625%		WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL											
2138			Indiana Tax including Credit	69,351		Sum(E2121*E2122+E2048)	TOTAL	69,352	(106,237)	227,597	57,326	(140,716)	1,583	12,135	4,123	(18,270)	18,995	12,818
2139																		
2147			Illinois Taxable Income	2,774,188		Sum(E1916+E2030+E2064)	TOTAL	2,774,188	(2,138,912)	5,959,629	1,503,026	(3,371,001)	49,330	309,936	105,141	(450,894)	483,053	324,880
2148			Tax Factor (Tax Rate x Apportionment)	0.1125655%		WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL											
2156			Illinois Tax	3,123		Sum(E2139*E2140)	TOTAL	3,123	(2,408)	6,708	1,692	(3,795)	56	349	118	(508)	544	366
2157																		
2165			Kentucky Taxable Income	1,732,590		Sum(E1916+E2030+E2072+E2080)	TOTAL	1,732,590	(2,654,104)	5,685,989	1,432,149	(3,515,461)	39,535	303,158	103,004	(456,436)	474,540	320,217
2166			Tax Factor (Tax Rate x Apportionment)	0.0694550%		WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL											
2174			Kentucky Tax	1,203		Sum(E2157*E2158)	TOTAL	1,203	(1,843)	3,949	995	(2,442)	27	211	72	(317)	330	222
2175																		
2183			Michigan Taxable Income	2,774,188		Sum(E1916+E2030+E2088+E2096)	TOTAL	2,774,188	(2,138,912)	5,959,629	1,503,026	(3,371,001)	49,330	309,936	105,141	(450,894)	483,053	324,880
2184			Tax Factor (Tax Rate x Apportionment)	0.9277980%		WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL											
2192			Current Michigan Tax	25,739		Sum(E2175*E2176)	TOTAL	25,739	(19,845)	55,293	13,945	(31,276)	458	2,876	976	(4,183)	4,482	3,014
2200			MBT Surcharge @ 21.99%	-		WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	-	-	-	-	-	-	-	-	-	-	-
2208			State Income Tax Credit	-		WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	-	-	-	-	-	-	-	-	-	-	-
2216			Total Michigan Tax	25,739		Sum(E2184+E2192+E2200)	TOTAL	25,739	(19,845)	55,293	13,945	(31,276)	458	2,876	976	(4,183)	4,482	3,014
2217																		
2225			Other Taxable Income	153	RB_GUP	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	154	76	40	10	21	1	1	1	1	1	1
2226			Tax Factor	17.0000000%		WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL											
2234			Other Tax	26		Sum(E2217*E2218)	TOTAL	25	13	7	2	4	0	0	0	0	0	0
2235																		
2243			West Virginia Taxable Income	20,199,086		Sum(E1916+E2030+E2112)	TOTAL	20,199,085	6,479,736	10,537,347	2,688,741	(954,338)	213,183	423,338	140,905	(358,177)	625,461	402,890
2244			Tax Factor (Tax Rate x Apportionment)	0.1434355%		WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL											
2252			West Virginia Tax	28,973		Sum(E2235*E2236)	TOTAL	28,973	9,294	15,114	3,857	(1,369)	306	607	202	(514)	897	578
2253																		
2261			Total State Income Tax	128,415		Sum(E2130+E2148+E2166+E2208+E2226+E2244)	TOTAL	128,414	(121,026)	308,669	77,816	(179,593)	2,429	16,177	5,491	(23,792)	25,247	16,998
2262																		
2270			Federal Taxable Income	20,070,641		Sum(E1916+E2030-E2253)	TOTAL	20,070,642	6,600,748	10,228,671	2,610,923	(774,750)	210,754	407,161	135,414	(334,385)	600,214	385,892
2271			Tax Factor (Tax Rate x Apportionment)	21.00%		WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL											
2279			Gross Current FIT	4,214,835		Sum(E2262*E2263)	TOTAL	4,214,835	1,386,157	2,148,021	548,294	(162,698)	44,258	85,504	28,437	(70,221)	126,045	81,037
2280																		
2288			Total Current FIT	4,214,835		E2271	TOTAL	4,214,835	1,386,157	2,148,021	548,294	(162,698)	44,258	85,504	28,437	(70,221)	126,045	81,037
2289																		
2290			Deferred FIT															
2298			Gross Plant Related	(5,259,365)	RB_GUP	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	(5,259,365)	(2,601,371)	(1,381,695)	(357,885)	(729,422)	(49,456)	(34,228)	(10,795)	(27,985)	(42,983)	(23,546)
2306			Net Plant Related	-	NP	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	-	-	-	-	-	-	-	-	-	-	-
2314			Production Plant	332,141	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC) Schedules_Forecasted 12-31-2020	TOTAL	332,141	154,864	85,195	25,278	59,491	2,807	2,269	527	1,101	316	292

**INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020**

Indiana Michigan Power Company
Case No.: U-20359
MRE 408
Exhibit A-16, Schedule F-1.1
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A	B	C	D	E	F	G	H	I	L	S	Z	AG	AJ	AO	AR	AU	AX	BA
			Label	Constant	Allocation Factor	Source	Function	Total Retail	Total RS	Total GS	Total LGS	Total LP	Total MS	Total WSS	Total EHS	Total IS	Total OL	Total SL
2322			Distribution	(160,033)	RB_GUP_EPIS_D	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(160,033)	(90,920)	(41,930)	(8,208)	(8,592)	(1,596)	(940)	(386)	(1,665)	(3,796)	(2,001)
2330			CWIP	-	RB_GUP_CWIP	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	-	-	-	-	-	-	-	-	-	-	-
2338			Labor	497,316	LABOR_M	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	497,316	250,664	123,702	34,478	75,726	4,119	3,228	818	2,063	1,901	616
2346			Rate Base	(46,875)	RATEBASE	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(46,875)	(23,300)	(12,329)	(3,172)	(6,335)	(444)	(306)	(98)	(257)	(411)	(224)
2354			Energy	(1,250,632)	PROD_ENERGY	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(1,250,632)	(580,851)	(335,637)	(120,751)	(171,874)	(12,297)	(12,433)	(2,747)	(3,897)	(5,274)	(4,871)
2362			Demand	-	PROD_DE	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	-	-	-	-	-	-	-	-	-	-	-
2370			Transmission	-	RB_GUP_EPIS_T	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	-	-	-	-	-	-	-	-	-	-	-
2378			Revenue Related	-	RSALE	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	-	-	-	-	-	-	-	-	-	-	-
2386			General Plant Related	393,147	RB_GUP_EPIS_G	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	393,147	198,160	97,791	27,256	59,864	3,256	2,552	646	1,631	1,503	487
2394			Total Current Year DFIT	(5,494,301)		Sum(E2290+E2298+E2306+E2314+E2322+E2330+E2338+E2346+E2354+E2362+E2370+E2378)	TOTAL	(5,494,301)	(2,692,754)	(1,464,903)	(403,003)	(721,143)	(53,610)	(39,858)	(12,034)	(29,007)	(48,742)	(29,246)
2395			Deferred ITC															
2404			Prior Year Feedback	(473,019)	RATEBASE	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(473,019)	(235,122)	(124,415)	(32,013)	(63,923)	(4,478)	(3,086)	(987)	(2,589)	(4,146)	(2,262)
2412			Solar Investment Tax Credit	(83,651)	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(83,651)	(39,003)	(21,457)	(6,366)	(14,983)	(707)	(571)	(133)	(277)	(80)	(74)
2420			Rockport	(340,604)	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(340,604)	(158,810)	(87,366)	(25,922)	(61,007)	(2,879)	(2,327)	(540)	(1,129)	(325)	(300)
2428			Cook Plant Simulator	(12,450)	RB_GUP_EPIS_P	WPs 36-40(CFIT,DFIT& DITC Schedules_Forecasted 12-31-2020)	TOTAL	(12,450)	(5,805)	(3,193)	(948)	(2,230)	(105)	(85)	(20)	(41)	(12)	(11)
2436			Total Deferred ITC	(909,724)		Sum(E2396+E2404+E2412+E2420)	TOTAL	(909,724)	(438,740)	(236,430)	(65,249)	(142,143)	(8,169)	(6,069)	(1,680)	(4,037)	(4,562)	(2,646)
2437			Total Federal Income Tax	(2,189,190)		Sum(E2280+E2386+E2428)	TOTAL	(2,189,190)	(1,745,337)	446,688	80,041	(1,025,983)	(17,521)	39,576	14,723	(103,265)	72,741	49,146
2448			Total Income Tax	(2,060,776)		Sum(E2253+E2437)	TOTAL	(2,060,776)	(1,866,363)	755,357	157,857	(1,205,576)	(15,092)	55,753	20,214	(127,056)	97,988	66,143
2454			Total Expenses	319,727,568		Sum(E1888+E2253+E2437)	TOTAL	319,727,568	157,267,173	84,549,292	24,489,452	43,996,418	2,885,985	2,392,895	621,090	1,276,729	1,429,695	818,840
2463			Net Operating Income	41,708,268		Sum(E1897-E2253-E2437)	TOTAL	41,708,269	18,143,903	14,807,339	3,707,104	3,036,990	404,543	475,347	158,291	(122,282)	685,864	411,168
2472			Current Rate of Return					3.69%	3.23%	4.98%	4.84%	1.99%	3.78%	6.44%	6.71%	-1.98%	6.92%	7.60%
2475			O&M Labor															
2484			Production Demand	24,218,996	PROD_DE	JSS - Projected!J684	TOTAL	24,218,996	11,292,330	6,212,233	1,843,195	4,337,974	204,697	165,456	38,424	80,309	23,076	21,300
2492			Production Energy	1,467,771	PROD_ENERGY	JSS - Projected!J685	TOTAL	1,467,771	681,700	393,912	141,716	201,716	14,432	14,592	3,224	4,573	6,189	5,716
2500			Transmission	1,194,917	TRAN_TO	JSS - Projected!J688	TOTAL	1,194,917	516,481	341,987	91,575	217,069	13,624	8,117	3,392	1,954	364	354
2508			Distribution	3,006,374	EXP_OM_DIST	JSS - Projected!J690	TOTAL	3,006,374	1,738,246	822,027	160,816	160,478	32,381	17,870	7,902	34,172	22,186	10,296
2516			Customer Accounts	1,488,769	EXP_OM_CUSTACCT	JSS - Projected!J692	TOTAL	1,488,769	1,264,509	164,632	1,687	236	1,583	136	8,093	44,116	1,498	
2524			Customer Service	1,144,565	EXP_OM_CUSTSERV	JSS - Projected!J694	TOTAL	1,144,565	898,641	154,569	15,683	34,521	2,635	2,768	392	5,815	28,413	1,128
2532			Total	32,521,392		Sum(E2476+E2484+E2492+E2500+E2508+E2516)	TOTAL	32,521,392	16,391,908	8,089,360	2,254,673	4,951,993	269,351	211,081	53,471	134,916	124,345	40,293
2541			Production Demand	24,218,996	PROD_DE	E2476	TOTAL	24,218,996	11,292,330	6,212,233	1,843,195	4,337,974	204,697	165,456	38,424	80,309	23,076	21,300
2549			Production Energy	1,467,771	PROD_ENERGY	E2484	TOTAL	1,467,771	681,700	393,912	141,716	201,716	14,432	14,592	3,224	4,573	6,189	5,716
2557			Total Production	25,686,767		Sum(E2533+E2541)	TOTAL	25,686,767	11,974,031	6,606,145	1,984,912	4,539,690	219,129	180,048	41,649	84,882	29,265	27,017
2558			Calculation of Proposed Revenues															
2567			Proposed Operating Income	68,776,888	RATEBASE	A-1 Projected!F22!988	TOTAL	68,776,888.30	34,186,738	18,089,853	4,654,738	9,294,349	651,063	448,660	143,466	376,387	602,802	328,833
2568			Proposed Rate of Return					6.08%	6.08%	6.08%	6.08%	6.08%	6.08%	6.08%	6.08%	6.08%	6.08%	6.08%
2570			Income Increase	27,068,620		E2559-E2464	TOTAL	27,068,619	16,042,835	3,282,513	947,633	6,257,359	246,521	(26,687)	(14,825)	498,669	(83,062)	(82,335)
2578			Gross Revenue Conversion Factor	1.342700		A-1 Projected!F28												
2587			Revenue Increase	36,345,036		E2570*E2571	TOTAL	36,345,035	21,540,714	4,407,431	1,272,387	8,401,755	331,003	(35,833)	(19,905)	669,562	(111,528)	(110,551)
2595			Proposed Sales Revenue	335,712,532		E998+E2579	TOTAL	335,712,532	169,477,685	87,001,654	23,769,222	45,375,561	2,964,521	2,248,605	595,765	1,670,162	1,727,742	881,616
2603			Adjust Transmission OATT	1,554,964		-I2582	TOTAL	1,554,964	673,327	441,989	118,465	285,172	17,715	4,349	2,610	466	452	
2611			Total Proposed Sales Revenue Prior to Net Cone Adjustment	337,267,496		E2587+E2595	TOTAL	337,267,496	170,151,012	87,443,643	23,887,687	45,660,734	2,982,236	2,259,024	600,114	1,672,772	1,728,208	882,068
2619			Restate to Net Cone Capacity Value	73,563,455	PROD_DEMAND	Exhibit A-16, F-1.1.1	TOTAL	337,267,496	170,151,012	87,443,643	23,887,687	45,660,734	2,982,236	2,259,024	600,114	1,672,772	1,728,208	882,068
2627			Net Cone Prior to OAD Reallocation	-		2603+2611	TOTAL	-	-	-	-	-	-	-	-	-	-	-
2635			OAD Reallocation Required	(8,604,563)		Exhibit A-16, F-1.1.1	TOTAL	(8,604,563)	(4,446,293)	(2,364,970)	(649,240)	(965,398)	76,671	56,433	13,417	32,142	0	0
2643			Reclass. Allocated Net Cone from OAD Classes	8,604,563		Exhibit A-16, F-1.1.1	TOTAL	8,604,563	4,446,293	2,364,970	(649,240)	(965,398)	76,671	56,433	13,417	32,142	0	0
2651			Total Proposed Sales Revenue after Staff Capacity Adjustment	337,267,496		Exhibit A-16, F-1.1.1	TOTAL	337,267,497	174,597,304	89,414,428	24,366,779	38,585,995	3,058,907	2,315,457	613,531	1,704,914	1,728,114	882,068
2659			RES Surcharge Removal	(286,706)		WP-4MWN-4_RES Rate Design	TOTAL	(286,706)	(183,827)	(88,205)	(6,041)	(2,120)	(1,340)	(1,912)	(1,122)	(1,992)	(1,147)	
2667			Totals after RES Surcharge Removed	336,980,790		+E2643+E2651	TOTAL	336,980,791	174,413,477	89,326,223	24,360,738	38,583,875	3,057,567	2,313,545	613,409	1,702,922	1,728,114	880,921

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020

Allocation Factor	Total Retail	RS	RS OAD	GS-SEC	GS-SEC OAD	GS-PRI	GS-PRI OAD	GS-SUB	GS-SUB OAD	LGS-SEC	LGS-SEC OAD	LGS-PRI	LGS-PRI OAD	LGS-SUB	LGS-SUB OAD	LP-PRI	LP-PRI OAD	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS-SEC	WSS-SEC OAD	WSS-PRI	WSS-PRI OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
CUST_902 ENERGY	1.00000000	0.83724220	-	0.13188248	0.00018979	0.00056811	0.00002278	0.00004555	0.00026443	0.00011388	0.00173849	-	-	0.00008857	-	-	-	-	-	-	-	0.00128552	-	0.00180429	-	0.00004555	-	0.00011071	-	-	-	-	-	0.00023965	-	
CUST_902 CUSTOMER	1.00000000	0.83724220	-	0.13188248	0.00018979	0.00056811	0.00002278	0.00004555	0.00026443	0.00011388	0.00173849	-	-	0.00008857	-	-	-	-	-	-	-	0.00128552	-	0.00180429	-	0.00004555	-	0.00011071	-	-	-	-	-	0.00023965	-	
CUST_903 PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903 PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903 TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903 DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903 DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903 CUSTOMER	1.00000000	0.85074578	-	0.10739718	0.00015322	0.00045879	0.00001839	0.00003682	0.00042696	0.00001839	0.00028074	-	-	0.00001433	-	0.00008648	0.00002451	0.00003481	0.00001839	0.00001228	-	0.00103779	-	0.00145652	-	0.00003681	-	0.00008947	-	0.00355107	-	0.03298281	0.00001299	0.00109548	-	
CUST_903 TOTAL	1.00000000	0.85074578	-	0.10739718	0.00015322	0.00045879	0.00001839	0.00003682	0.00042696	0.00001839	0.00028074	-	-	0.00001433	-	0.00008648	0.00002451	0.00003481	0.00001839	0.00001228	-	0.00103779	-	0.00145652	-	0.00003681	-	0.00008947	-	0.00355107	-	0.03298281	0.00001299	0.00109548	-	
CUST_451 PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451 PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451 TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451 DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451 DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451 CUSTOMER	1.00000000	0.88788496	-	0.10710706	0.00017722	0.00033770	0.00001643	-	0.00083147	0.00004215	-	-	-	0.00019542	0.00007202	-	-	-	-	-	-	0.00003470	-	-	-	-	-	-	-	0.00318101	-	0.00012987	-	-	-	
CUST_451 TOTAL	1.00000000	0.88788496	-	0.10710706	0.00017722	0.00033770	0.00001643	-	0.00083147	0.00004215	-	-	-	0.00019542	0.00007202	-	-	-	-	-	-	0.00003470	-	-	-	-	-	-	-	0.00318101	-	0.00012987	-	-	-	
PROD_DE PS_GEN	1.00000000	0.46625923	0.00000000	0.22085881	0.02293975	0.02990992	0.00198773	0.00282528	0.00000000	0.03239718	0.00153370	0.03863847	0.00000000	0.00353600	0.00000000	0.05765541	0.03408059	0.02388812	0.03553495	0.02245546	0.00000000	0.00845192	0.00000000	0.00355560	0.00000000	0.00327607	0.00000000	0.00158654	0.00000000	0.00331596	0.00000000	0.00095228	0.00000052	0.00087949	0.00000000	
PROD_DE TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE TOTAL	1.00000000	0.46625923	0.00000000	0.22085881	0.02293975	0.02990992	0.00198773	0.00282528	0.00000000	0.03239718	0.00153370	0.03863847	0.00000000	0.00353600	0.00000000	0.05765541	0.03408059	0.02388812	0.03553495	0.02245546	0.00000000	0.00845192	0.00000000	0.00355560	0.00000000	0.00327607	0.00000000	0.00158654	0.00000000	0.00331596	0.00000000	0.00095228	0.00000052	0.00087949	0.00000000	
TRAN_LSE PS_GEN	1.00000000	0.51673659	0.00000000	0.23899946	0.00000000	0.03246360	0.00000000	0.00278756	0.00000000	0.03251782	0.00000000	0.03826518	0.00000000	0.00367001	0.00000000	0.05779283	0.00000000	0.03025935	0.00000000	0.02414391	0.00000000	0.00891048	0.00000000	0.00340453	0.00000000	0.00315400	0.00000000	0.00155924	0.00000000	0.00373545	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
TRAN_LSE TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE TOTAL	1.00000000	0.51673659	0.00000000	0.23899946	0.00000000	0.03246360	0.00000000	0.00278756	0.00000000	0.03251782	0.00000000	0.03826518	0.00000000	0.00367001	0.00000000	0.05779283	0.00000000	0.03025935	0.00000000	0.02414391	0.00000000	0.00891048	0.00000000	0.00340453	0.00000000	0.00315400	0.00000000	0.00155924	0.00000000	0.00373545	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
TRAN_TO PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO DISTPRI	1.00000000	0.43223181	-	0.24355584	0.00299652	0.03739342	0.00125273	0.00465566	0.03296408	0.00146152	0.03842291	0.00378852	0.00975316	0.03427164	0.03374675	0.04240972	0.01147870	-	-	-	-	0.01140172	-	0.00354367	-	0.00324964	-	0.00283906	-	0.00163532	-	0.00030443	-	0.00029627	-	
TRAN_TO DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO TOTAL	1.00000000	0.43223181	-	0.24355584	0.00299652	0.03739342	0.00125273	0.00465566	0.03296408	0.00146152	0.03842291	0.00378852	0.00975316	0.03427164	0.03374675	0.04240972	0.01147870	-	-	-	-	0.01140172	-	0.00354367	-	0.00324964	-	0.00283906	-	0.00163532	-	0.00030443	-	0.00029627	-	
DIST_POLES PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES DISTPRI	0.50550000	0.28167155	0.00000000	0.14893985	0.00179321	0.02028988	0.00074846	-	0.00000000	0.01193018	0.00030949	0.00231774	0.00000000	-	0.00000000	0.03598794	0.02114756	-	-	-	-	0.00000000	-	0.00505188	0.00000000	0.00213331	0.00000000	0.00195940	0.00000000	0.00163806	0.00000000	0.00038119	0.00000000	0.00031175	0.00000000	
DIST_POLES DISTSEC	0.43450000	0.26912387	-	0.10652461	0.00135126	-	-	-	-	0.01174452	0.00049638	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES CUSTOMER	1.00000000	0.5780142	0.00000000	0.25246026	0.00314448	0.02028988	0.00074846	-	0.00000000	0.03167470	0.00140647	0.00231774	0.00000000	-	0.00000000	0.03598794	0.02114756	-	-	-	-	0.00000000	-	0.00384404	0.00000000	0.00195940	0.00000000	0.00274450	0.00000000	0.00879767	0.00000000	0.00190820	0.00000000	0.0018142	0.00000000	
DIST_POLES TOTAL	-	-																																		

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
 TWELVE MONTHS ENDING DECEMBER 31, 2020

Allocation Factor	Total Retail	Class Factors																																			
		RS 2	RS OAD 3	GS-SEC 4	GS-SEC OAD 5	GS-PRI 6	GS-PRI OAD 7	GS-SUB 8	GS-SUB OAD 9	LGS-SEC 10	LGS-SEC OAD 11	LGS-PRI 12	LGS-PRI OAD 13	LGS-SUB 14	LGS-SUB OAD 15	LP-PRI 16	LP-PRI OAD 17	LP-SUB 18	LP-SUB OAD 19	LP-TRA 20	LP-TRA OAD 21	MS 22	MS OAD 23	WSS-SEC 24	WSS-SEC OAD 25	WSS-PRI 26	WSS-PRI OAD 27	EHS 28	EHS OAD 29	IS 30	IS OAD 31	OL 32	OL OAD 33	SL 34	SL OAD 35		
RB_GUP_CWP PS GEN	0.3662955	0.1718793	0.0000000	0.0811303	0.0009613	0.0140258	0.0004097	0.00104148	0.0000000	0.0118456	0.0005637	0.0142428	0.0000000	0.00130348	0.0000000	0.00125349	0.0125611	0.0016533	0.0120923	0.0082775	0.0000000	0.00311563	0.0000000	0.00131070	0.0000000	0.00120766	0.0000000	0.0000485	0.0000000	0.00122236	0.0000000	0.00035104	0.0000019	0.0002421	0.0000000		
RB_GUP_CWP PS TRAN	0.2842679	0.1230475	-	0.0693252	0.0005289	0.0006058	-	0.00132797	-	0.0003824	0.0001959	0.0013919	-	0.00107831	-	0.01700735	0.00075463	0.0006523	0.01207963	0.0083715	0.0000000	0.00324823	-	0.00119860	-	0.0002493	-	0.0004645	-	0.0004645	-	0.0003965	-	0.0003965	-	0.0003965	-
RB_GUP_CWP DISTRI	0.1701080	0.0771892	0.0000000	0.0418781	0.0005225	0.0007610	0.0002179	-	0.0000000	0.0007119	0.0002811	0.0017816	0.0000000	-	0.0000000	0.0114333	0.0005814	-	-	-	0.0000000	0.0020111	0.0000000	0.0006556	0.0000000	0.00030671	0.0000000	0.0000499	0.0000000	0.0003963	0.0000000	0.0003963	0.0000000	0.0003963	0.0000000		
RB_GUP_CWP DISTSEC	0.1125418	0.0074290	-	0.0278465	0.0003491	-	-	-	-	0.0000125	0.0001269	-	-	-	-	-	-	-	-	-	-	0.0011732	-	0.0004400	-	0.0002837	-	0.00021550	-	0.0000000	-	0.00041173	0.0000028	0.0005468	0.0000000		
RB_GUP_CWP ENERGY	0.0022540	0.0010475	-	0.0004247	0.0000719	0.0000719	-	0.00000875	-	0.0000964	0.0001164	-	-	0.00000068	-	0.0001726	-	0.00000216	-	-	-	0.00002218	-	0.00001173	-	0.00001069	-	0.00000495	-	0.00003951	-	0.00000976	-	0.00003951	-		
RB_GUP_CWP CUSTOMER	0.0668729	0.0331475	-	0.0092729	0.0001337	0.0006382	0.00002540	0.0011783	0.00001412	0.0000068	0.0004324	-	-	0.00014659	0.00004325	0.00014659	0.00004325	0.00014659	0.00004325	0.00014659	0.00004325	0.00014659	0.00004325	0.00014659	0.00004325	0.00014659	0.00004325	0.00014659	0.00004325	0.00014659	0.00004325	0.00014659	0.00004325	0.00014659	0.00004325		
RB_GUP_CWP TOTAL	1.0000000	0.4927637	0.0000000	0.2324767	0.0027255	0.0276816	0.00101468	0.0023364	0.0000000	0.0362802	0.00144002	0.03291262	0.0000000	0.00243472	0.0000000	0.04972193	0.02890715	0.0206633	0.02525502	0.01178357	0.0000000	0.00978928	0.0000000	0.00036985	0.0000000	0.00278835	0.0000000	0.00222655	0.0000000	0.00526374	0.0000000	0.0083688	0.0002789	0.0483569	0.0000000		
RB_GUP PS TRAN	0.5110188	0.2828329	0.0000000	0.1124664	0.0012543	0.0152842	0.0005684	0.00144375	0.0000000	0.0195534	0.0007874	0.01974471	0.0000000	0.0018094	0.0000000	0.0294959	0.01741508	0.0101767	0.01147500	0.00119878	0.00147500	0.0000000	0.00431903	0.0000000	0.00181695	0.0000000	0.00167411	0.0000000	0.00081074	0.0000000	0.00169449	0.0000000	0.0004863	0.0000026	0.0044843	0.0000000	
RB_GUP TO TRAN	0.1634009	0.0736265	-	0.0388116	0.0004891	0.0051358	-	0.00076265	-	0.0003831	0.0002380	0.0002861	-	0.00061927	-	0.00976726	0.00051625	0.0063320	0.00120794	0.0000000	0.00176500	0.0000000	0.00049623	-	0.00057623	-	0.00051119	-	0.0004407	-	0.0004973	-	0.0004973	-	0.0004973	-	
RB_GUP DISTRI	0.1645804	0.0819833	0.0000000	0.0437538	0.0005182	0.0058936	0.00021784	-	0.0000000	0.0003075	0.0002671	0.0007590	0.0000000	-	0.0000000	0.0104744	0.00019507	-	-	-	0.00119858	0.0000000	0.00062891	0.0000000	0.0004629	0.0000000	0.00037029	0.0000000	0.00041468	0.0000000	0.0002728	0.0000000	0.0002861	0.0000026	0.0003074	0.0000000	
RB_GUP DISTSEC	0.1073151	0.0718563	-	0.0262177	0.0002282	0.0006994	-	-	-	0.0002782	0.0001204	-	-	-	-	-	-	-	-	-	-	0.0011678	-	0.00041629	-	0.00001528	-	0.00000933	-	0.00000613	-	0.0000393	-	0.0000393	-		
RB_GUP ENERGY	0.0198898	0.0009149	-	0.0004705	0.0000253	0.0000253	-	0.00000764	-	0.00001930	0.0000097	-	-	0.00000048	-	0.0001030	-	0.00000173	-	-	-	0.00001024	-	0.00001124	-	0.00003066	-	0.00000264	-	0.00002764	-	0.00002764	-	0.00002764	-		
RB_GUP CUSTOMER	0.0532300	0.0269700	-	0.00917028	0.0001367	0.0006993	0.00002386	0.0011839	0.00001626	0.00000785	0.0004640	-	-	0.00014066	0.00004406	0.00014066	0.00004406	0.00014066	0.00004406	0.00014066	0.00004406	0.00014066	0.00004406	0.00014066	0.00004406	0.00014066	0.00004406	0.00014066	0.00004406	0.00014066	0.00004406	0.00014066	0.00004406	0.00014066	0.00004406		
RB_GUP TOTAL	1.0000000	0.4846189	0.0000000	0.2283126	0.0028762	0.0273591	0.0010233	0.0023643	0.0000000	0.0368886	0.00141614	0.03238729	0.0000000	0.00247332	0.0000000	0.04999144	0.02890715	0.0206633	0.02525502	0.01178357	0.0000000	0.00940339	0.0000000	0.00036974	0.0000000	0.00262098	0.0000000	0.00262098	0.0000000	0.0052026	0.0000000	0.0081439	0.0002632	0.0447682	0.0000000		
NP PS GEN	0.4738219	0.2209857	0.0000000	0.10431675	0.0012293	0.01417677	0.00051557	0.00133913	0.0000000	0.0135569	0.0007295	0.01831395	0.0000000	0.0016780	0.0000000	0.02732764	0.01615359	0.0139245	0.01684293	0.01064349	0.0000000	0.00400606	0.0000000	0.00168929	0.0000000	0.0015280	0.0000000	0.00075199	0.0000000	0.00157171	0.0000000	0.00045136	0.0000025	0.0004586	0.0000000		
NP PS TRAN	0.1701621	0.0735496	-	0.04144402	0.0005090	0.0057395	0.00021317	0.00079392	-	0.0006024	0.00024870	0.00063813	-	0.00064466	-	0.01016774	0.00057442	0.00195324	0.00072164	0.000196324	0.0000000	0.00194614	-	0.00060208	-	0.00055207	-	0.00048310	-	0.0005127	-	0.0005127	-	0.0005127	-		
NP DISTRI	0.1623200	0.0889053	0.0000000	0.0482271	0.0005172	0.0064220	0.0002393	-	0.0000000	0.0003618	0.0002997	0.0007403	0.0000000	-	0.0000000	0.01147375	0.00074231	-	-	-	0.0021193	0.0000000	0.0006815	0.0000000	0.0004580	0.0000000	0.0003470	0.0000000	0.00029670	0.0000000	0.0002384	0.0000000	0.0004364	0.0000029	0.0003460	0.0000000	
NP DISTSEC	0.1157600	0.0798394	-	0.0283210	0.0003603	-	-	-	-	0.0003217	0.00013241	-	-	-	-	-	-	-	-	-	-	0.0012464	-	0.0000885	-	0.00004642	-	0.0001850	-	0.0000413	-	0.0000286	-	0.0000733	-		
NP ENERGY	0.0018170	0.0008795	-	0.00043705	0.0000085	0.0000085	-	0.00000730	-	0.00000695	0.00000915	-	-	0.00000008	-	0.0001484	-	0.00000885	-	-	-	0.00000979	-	0.0000189	-	0.00000882	-	0.00000413	-	0.00000394	-	0.00000394	-	0.00000394	-		
NP CUSTOMER	0.0579131	0.0283674	-	0.00919025	0.0001367	0.0006277	0.0000216	0.0014839	0.00001626	0.00000869	0.0004419	-	-	0.00014405	0.00004405	0.00014405	0.00004405	0.00014405	0.00004405	0.00014405	0.00004405	0.00014405	0.00004405	0.00014405	0.00004405	0.00014405	0.00004405	0.00014405	0.00004405	0.00014405	0.00004405	0.00014405	0.00004405	0.00014405	0.00004405		
NP TOTAL	1.0000000	0.4847448	0.0000000	0.2302410	0.0028469	0.02709144	0.00099352	0.0023296	0.0000000	0.0378231	0.00140681	0.03279274	0.0000000	0.00237329	0.0000000	0.04962273	0.02890715	0.0206633	0.02525502	0.01178357	0.0000000	0.00947049	0.0000000	0.00037013	0.0000000	0.00277888	0.0000000	0.00262815	0.0000000	0.00525275	0.0000000	0.0083373	0.0002882	0.0442958	0.0000000		
RATEBASE PS GEN	0.46911845	0.21872474	0.0000000	0.1032550	0.00121635	0.0140336	0.00051016	0.00132623	0.0000000	0.01352003	0.00071915	0.01812729	0.0000000	0.00169344	0.0000000	0.0274958	0.01615359	0.0139245	0.01684293	0.01064349	0.0000000	0.00400606	0.0000000	0.00168929	0.0000000	0.0015280	0.0000000	0.00075199	0.0000000	0.00157171	0.0000000	0.00045136	0.0000025	0.0004586	0.0000000		
RATEBASE PS TRAN	0.1623200	0.0735496	-	0.04144402	0.0005090	0.0057395	0.00021317	0.00079392	-	0.0006024	0.00024870	0.00063813	-	0.00064466	-	0.01016774	0.00057442	0.00195324	0.00072164	0.000196324	0.0000000	0.00194614	-	0.00060208	-	0.00055207	-	0.00048310	-	0.0005127	-	0.0005127	-	0.0005127	-		
RATEBASE DISTRI	0.1645804	0.0819833	0.0000000	0.0437538	0.0005182	0.0058936	0.00021784	-	0.0000000	0.0003075	0.0002671	0.0007590	0.0000000	-	0.0000000	0.0104744	0.00019507	-	-	-	0.00119858	0.0000000	0.00062891	0.0000000	0.0004629	0.0000000	0.00037029	0.0000000	0.00041468	0.0000000	0.0002728	0.0000000	0.0002861	0.0000026	0.0003074	0.0000000	
RATEBASE DISTSEC	0.1157																																				

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST OF SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020

Allocation Factor	Total Retail		Allocation Factor																																			
	1	2	RS OAD	GS-SEC	GS-SEC OAD	GS-PR	GS-TR OAD	GS-SB	GS-SB OAD	LGSS-SEC	LGSS-SEC OAD	LGSS-PR	LGSS-PR OAD	LGSS-SUB	LGSS-SUB OAD	LP-PR	LP-PR OAD	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS-SEC	WSS-SEC OAD	WSS-PR	WSS-PR OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD	SL OAD		
EXP_CM_CUSTACCT ENERGY	1.0000000	0.8483676	-	0.1089649	0.0001565	0.0004697	0.0001883	0.0000372	-	0.0006558	0.0002814	0.0004292	-	0.00002192	-	0.0007764	0.0002021	0.0000326	0.0001651	0.00001102	-	0.00010311	-	0.00149206	-	0.0000370	-	0.00009164	-	0.00454584	-	0.0282106	0.0001166	0.0100641	-	-		
EXP_CM_CUSTACCT CUSTOMER	1.0000000	0.8483676	-	0.1089649	0.0001565	0.0004697	0.0001883	0.0000372	-	0.0006558	0.0002814	0.0004292	-	0.00002192	-	0.0007764	0.0002021	0.0000326	0.0001651	0.00001102	-	0.00010311	-	0.00149206	-	0.0000370	-	0.00009164	-	0.00454584	-	0.0282106	0.0001166	0.0100641	-	-		
UNCOFLAC PS_GEN	0.0763491	0.0598791	0.0000000	0.0168457	0.00019853	0.00228933	0.00008326	0.00021625	0.0000000	0.0049791	0.00011739	0.00295742	0.0000000	0.00027065	0.0000000	0.00441300	0.00026856	0.00242939	0.00271988	0.0017876	0.0000000	0.00064692	0.0000000	0.00027215	0.0000000	0.00025075	0.0000000	0.00012144	0.0000000	0.00025281	0.0000000	0.00007289	0.0000004	0.00006732	0.0000000	-		
UNCOFLAC PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNCOFLAC TO_TRAN	0.0715629	0.0393171	-	0.0174254	0.00021444	0.00241384	0.00008965	0.00033389	-	0.00010459	0.00027466	-	0.00027112	-	0.00428110	0.00024257	0.00241501	0.00303496	0.00002145	-	0.00081594	-	0.00022359	-	0.00032325	-	0.00020317	-	0.00117103	-	0.00002179	-	0.00002120	-	0.00000130	0.0000000	-	
UNCOFLAC DISTRI	0.4375841	0.2186891	0.0000000	0.1128704	0.0018914	0.01169039	0.00007939	-	0.0000000	0.01542812	0.00070484	0.00007939	-	0.0000000	-	0.00078958	0.00037650	-	-	-	-	0.00018262	0.0000000	0.00168141	0.0000000	0.00125459	0.0000000	0.00026852	0.0000000	0.00002123	0.0000000	0.00004478	0.0000000	0.00008333	-	-		
UNCOFLAC TOTL	0.2621885	0.1903204	-	0.0697103	0.00087146	-	-	-	-	0.00974530	0.00032051	-	-	-	-	-	-	-	-	-	-	0.00022267	-	0.00110229	-	0.00027679	-	0.00001189	-	0.00007189	-	0.00001253	0.0000000	0.00008333	-	-		
UNCOFLAC ENERGY	0.1336194	0.0785612	-	0.0282450	0.0003215	0.0018656	0.00006356	0.0003564	-	0.00048133	0.00020773	0.00108122	-	0.00010636	-	0.00036474	0.00010340	0.00037024	0.00021282	0.00049558	-	0.00047149	-	0.00063747	-	0.00009564	-	0.00007303	-	0.00023762	-	0.0186384	0.0000915	0.0082712	-	-		
UNCOFLAC CUSTOMER	1.0000000	0.2386977	0.0000000	0.02027472	0.0219815	0.00081588	0.0000000	-	-	0.00984246	0.00037462	0.0000000	-	0.00065012	0.0000000	0.00036464	0.00058676	-	-	-	-	0.00095984	0.0000000	0.00039191	0.0000000	0.00025963	0.0000000	0.00007831	0.0000000	0.00023036	0.0000000	0.00006988	0.000107430	0.0000000	-	-		
EXP_CM_CUSTSERV PS_GEN	0.1678541	0.0781855	0.0000000	0.03898748	0.00043484	0.00501441	0.00018236	0.00047366	0.0000000	0.00054340	0.00025713	0.00647776	0.0000000	0.00056821	0.0000000	0.00968956	0.00571362	0.00482693	0.00595745	0.00376467	0.0000000	0.00141697	0.0000000	0.000095810	0.0000000	0.00064923	0.0000000	0.00002598	0.0000000	0.00005592	0.0000000	0.00015985	0.0000009	0.00014745	0.0000000	-		
EXP_CM_CUSTSERV PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXP_CM_CUSTSERV TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXP_CM_CUSTSERV DISTRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXP_CM_CUSTSERV DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXP_CM_CUSTSERV ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXP_CM_CUSTSERV CUSTOMER	0.8323459	0.7098264	-	0.2914740	0.00013064	0.00039118	0.00001568	0.00003139	0.0000000	0.00054040	0.00023243	0.00003578	0.00001624	-	0.0000000	0.00006462	0.00001832	0.00002602	0.00001374	0.00000918	-	0.00008488	0.0000000	0.00012492	0.0000000	0.00003138	0.0000000	0.00007628	0.0000000	0.00054542	0.0000000	0.0246508	0.0000079	0.00003769	0.0000000	-		
EXP_CM_CUSTSERV TOTAL	1.0000000	0.7851379	0.0000000	0.12837227	0.00005648	0.00050559	0.0000000	0.0000000	-	0.00975941	0.00028055	0.0006345	0.0000000	0.00061105	0.0000000	0.00079283	0.00057194	0.00482693	0.00597419	0.0037384	0.0000000	0.00028185	0.0000000	0.00018302	0.0000000	0.00006862	0.0000000	0.00004226	0.0000000	0.00054004	0.0000000	0.02481473	0.00000979	0.00008164	0.0000000	-		
EXP_CM_PS_GEN	0.4088792	0.1906890	0.0000000	0.0984103	0.00105812	0.01224233	0.0004408	0.00119984	0.0000000	0.01325737	0.00062619	0.01880653	0.0000000	0.00144711	0.0000000	0.02389748	0.01389179	0.01302330	0.01448524	0.00919880	0.0000000	0.00349697	0.0000000	0.00145560	0.0000000	0.00134160	0.0000000	0.00094963	0.0000000	0.00135234	0.0000000	0.00038996	0.0000021	0.00006027	0.0000000	-		
EXP_CM_PS_TRAN	0.13603311	0.0709599	0.0000000	0.03025917	0.0000000	0.00443507	0.0000000	0.0000000	-	0.00044298	0.00036491	0.0000000	0.00000444	-	0.00079839	0.0000000	0.00413442	0.0000000	0.00028811	0.0000000	-	0.00004617	0.0000000	0.00043094	0.0000000	0.00017347	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-		
EXP_CM_TO_TRAN	0.0171862	0.0089173	-	0.0089149	0.00004748	0.00050593	0.00001999	0.00007831	-	0.00053731	0.00002299	0.00004242	0.00000180	-	0.00097176	0.00003874	0.00024570	0.00066710	0.00018889	-	0.00018480	-	0.00005239	-	0.00003529	-	0.00004633	-	0.00004633	-	0.00004633	-	0.00004633	-	0.00004633	0.0000000	-	
EXP_CM_DISTSEC	0.0456207	0.0025648	0.0000000	0.0123827	0.00017596	0.00198005	0.00007259	-	0.0000000	0.00194872	0.00038784	0.00026438	0.0000000	-	0.00030196	0.00020410	-	-	-	-	-	0.00004621	0.0000000	0.00019164	0.0000000	0.0001577	0.0000000	0.0000000	0.0000000	0.00002145	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-	
EXP_CM_ENERGY	0.3013869	0.1399756	-	0.0709775	0.00091826	0.00961826	0.00011865	-	0.0000000	0.01289706	0.01491886	0.01012878	-	0.0000000	-	0.02002623	0.00743890	0.01078786	0.00743890	0.0000000	-	0.00029632	-	0.00116774	-	0.00142853	-	0.00086212	-	0.00009389	-	0.00127095	-	0.0017383	-	0.0017383	-	-
EXP_CM_CUSTOMER	0.0386237	0.00849653	0.0000000	0.00468653	0.00004258	0.00015666	0.0000000	0.0000000	-	0.00006421	0.00004966	0.00001915	0.0000000	-	0.00003384	0.00000384	0.00003384	0.00003384	0.00003384	0.00003384	-	0.00003384	0.0000000	0.00003384	0.0000000	0.00003384	0.0000000	0.00003384	0.0000000	0.00003384	0.0000000	0.00003384	0.0000000	0.00003384	0.0000000	0.00003384	0.0000000	-
EXP_CM_TOTAL	1.0000000	0.4854034	0.0000000	0.00046389	0.00028249	0.00289289	0.00004284	0.0000000	-	0.03435049	0.00078976	0.00321445	0.0000000	0.00177512	0.0000000	0.02771512	0.01846249	0.02771512	0.01846249	0.0000000	-	0.00002722	0.0000000	0.00045661	0.0000000	0.00018546	0.0000000	0.00018546	0.0000000	0.00018546	0.0000000	0.00018546	0.0000000	0.00018546	0.0000000	0.00018546	0.0000000	-
PROD_DEMAND_XOAD PS_GEN	1.0000000	0.51673659	0.0000000	0.2389946	0.0000000	0.03243630	0.0000000	0.00027876	0.0000000	0.03251782	0.0000000	0.0382618	0.0000000	0.00367001	0.0000000	0.05779283	0.0000000	0.03025935	0.0000000	0.02414391	0.0000000	0.00891048	0.0000000	0.000340453	0.0000000	0.00315400	0.0000000	0.00159524	0.0000000	0.00373545	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-	
PROD_DEMAND_XOAD PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD DISTRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD TOTAL	1.0000000	0.51673659	0.0000000	0.2389946	0.0000000	0.03243630	0.0000000	0.00027876	0.0000000	0.03251782	0.0000000	0.0382618	0.0000000	0.00367001	0.0000000	0.05779283	0.0000000	0.03025935	0.0000000	0.02414391	0.0000000	0.00891048	0.0000000	0.000340453	0.0000000	0.00315400	0.0000000	0.001										

**INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020**

Case No.: U-20359 MRE 408
Exhibit No.: I-42
Exhibit A-16, F-1.1 (Class Allocators)
Page 1 of 47

ALLOCATOR	FUNCTION	SOURCE	Total	RS	RS OAD	GS-SEC	GS-SEC OAD	GS-PRI	GS-PRI OAD	GS-SUB	GS-SUB OAD	LGS-SEC	LGS-SEC OAD	LGS-PRI	LGS-PRI OAD	LGS-SUB	LGS-SUB OAD	LP-PRI	LP-PRI OAD	
INPUTS FROM WORKPAPERS																				
CPG - 4CP		4 CP WP-GF-1 CCOS Inputs	573,621	276,389	0	128,156	1,503	17,364	632	1,491	0	17,393	842	21,002	0	1,963	0	30,912	17,507	
PROD_DEMAND	PS_GEN		1	0.48183222	0.00000000	0.22341587	0.00261969	0.03027087	0.00110156	0.00259928		0	0.03032142	0.00146874	0.03661304	0	0.00342212	0	0.05388926	0.03052021
PROD_DEMAND	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND	TOTAL		1.00000000	0.48183222	0.00000000	0.22341587	0.00261969	0.03027087	0.00110156	0.00259928		0	0.03032142	0.00146874	0.03661304	0	0.00342212	0	0.05388926	0.03052021
CPG - 4CP_XOAD		4 CP XOAD WP-GF-1 CCOS Inputs	534,876	276,390	0	128,156	0	17,364	0	1,491	0	17,393	0	21,002	0	1,963	0	30,912	0	
PROD_DEMAND_XOAD	PS_GEN		1	0.51673659	0.00000000	0.23959946	0.00000000	0.03246360	0.00000000	0.00278756		0	0.03251782	0.00000000	0.03926518	0	0.00367001	0	0.05779283	0.00000000
PROD_DEMAND_XOAD	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DEMAND_XOAD	TOTAL		1.00000000	0.51673659	0.00000000	0.23959946	0.00000000	0.03246360	0.00000000	0.00278756		0	0.03251782	0.00000000	0.03926518	0	0.00367001	0	0.05779283	0.00000000
ENER		ENER WP-GF-2 CP and Energy	2,717,872,453	1,262,305,055	-	632,131,871	-	86,734,382	-	10,540,656	-	116,212,564	-	134,537,021	-	11,666,994	-	207,467,141	-	
PROD_ENERGY	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	ENERGY		1	0.46444602	-	0.23258335	-	0.03191260	-	0.00387827	-	0.04275865	-	0.04950086	-	0.00429269	-	0.07633439	-	
PROD_ENERGY	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	TOTAL		1.00000000	0.46444602	-	0.23258335	-	0.03191260	-	0.00387827	-	0.04275865	-	0.04950086	-	0.00429269	-	0.07633439	-	
CPT		CPT WP-GF-1 CCOS Inputs	483,580	205,839	-	118,876	1,487	16,454	622	2,020	-	16,246	-	718	-	1,647	-	29,588	16,692	
BULK_TRANS	PS_GEN		1	0.42565656	-	0.24582489	0.00307498	0.03402539	0.00128624	0.00417718	-	0.03359527	0.00148476	0.03914140	-	0.00340585	-	0.06118533	0.03451756	
BULK_TRANS	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BULK_TRANS	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BULK_TRANS	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BULK_TRANS	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BULK_TRANS	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BULK_TRANS	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BULK_TRANS	TOTAL		1.00000000	0.42565656	-	0.24582489	0.00307498	0.03402539	0.00128624	0.00417718	-	0.03359527	0.00148476	0.03914140	-	0.00340585	-	0.06118533	0.03451756	
CPST		CPST WP-GF-1 CCOS Inputs	373,747	164,725	-	89,931	1,082	12,464	452	1,980	-	12,015	-	535	-	1,601	-	21,640	12,690	
SUB_TRANS	PS_GEN		1	0.44073932	-	0.24061999	0.00289501	0.03334876	0.00120937	0.00529770	-	0.03214742	0.00143145	0.03749328	-	0.00428365	-	0.05790013	0.03395345	
SUB_TRANS	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_TRANS	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_TRANS	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_TRANS	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_TRANS	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_TRANS	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_TRANS	TOTAL		1.00000000	0.44073932	-	0.24061999	0.00289501	0.03334876	0.00120937	0.00529770	-	0.03214742	0.00143145	0.03749328	-	0.00428365	-	0.05790013	0.03395345	
ENER_SUB		ENER_SUB WP-GF-2 CP and Energy	1,997,105,332	937,492,144	-	469,476,752	-	64,416,796	-	10,293,035	-	86,315,648	-	99,924,966	-	11,393,357	-	154,093,566	-	
SUB_ENERGY	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_ENERGY	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_ENERGY	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_ENERGY	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_ENERGY	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_ENERGY	ENERGY		1	0.46942549	-	0.23507861	-	0.03225508	-	0.00515398	-	0.04322038	-	0.05003490	-	0.00570494	-	0.07715846	-	
SUB_ENERGY	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB_ENERGY	TOTAL		1.00000000	0.46942549	-	0.23507861	-	0.03225508	-	0.00515398	-	0.04322038	-	0.05003490	-	0.00570494	-	0.07715846	-	
CPD		CPD WP-GF-1 CCOS Inputs	438,975	218,655	0	113,284	1,392	15,734	581	-	0	15,471	706	18,023	0	-	0	27,936	16,416	
DIST_CPD	PS_GEN		1	0.49810354	0.00000000	0.25806481	0.00317102	0.03584259	0.00132354	-	0.00000000	0.03524346	0.00160829	0.04105701	0.00000000	-	0.00000000	0.06363916	0.03739621	
DIST_CPD	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DIST_CPD	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DIST_CPD	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DIST_CPD	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DIST_CPD	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DIST_CPD	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DIST_CPD	TOTAL		1.00000000	0.49810354	0.00000000	0.25806481	0.00317102	0.03584259	0.00132354	-	0.00000000	0.03524346	0.00160829	0.04105701	0.00000000	-	0.00000000	0.06363916	0.03739621	
SECDEM		SECDEM WP-GF-1 CCOS Inputs	802,591	545,141	-	196,768	2,496	-	-	-	-	21,694	918	-	-	-	-	-	-	
DISTSEC	PS_GEN		1	0.67922641	-	0.24516597	0.00310993	-	-	-	-	0.02702996	0.00114380	-	-	-	-	-	-	
DISTSEC	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DISTSEC	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DISTSEC	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DISTSEC	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DISTSEC	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DISTSEC	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DISTSEC	TOTAL		1.00000000	0.67922641	-	0.24516597	0.00310993	-	-	-	-	0.02702996	0.00114380							

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
 TWELVE MONTHS ENDING DECEMBER 31, 2020

ALLOCATOR	FUNCTION	SOURCE	Total	RS	RS OAD	GS-SEC	GS-SEC OAD	GS-PRI	GS-PRI OAD	GS-SUB	GS-SUB OAD	LGS-SEC	LGS-SEC OAD	LGS-PRI	LGS-PRI OAD	LGS-SUB	LGS-SUB OAD	LP-PRI	LP-PRI OAD	
INPUTS FROM WORKPAPERS																				
DIST_PCUST	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_PCUST	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_PCUST	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_PCUST	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_PCUST	CUSTOMER		1	0.80582564	-	0.12804207	0.00018267	0.00054699	0.00002192	-	-	0.00050903	0.00002192	0.00033471	-	-	-	0.00010310	0.00002923	-
DIST_PCUST	TOTAL		1.00000000	0.80582564	-	0.12804207	0.00018267	0.00054699	0.00002192	-	-	0.00050903	0.00002192	0.00033471	-	-	-	0.00010310	0.00002923	-
SECCUST		SECCUST WP-GF-1 CCOS Inputs	1,640,532	1,323,412		210,284	300					836	36							
DIST_SERV	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	CUSTOMER		1	0.80669674	-	0.12818048	0.00018287	-	-	-	-	0.00050958	0.00002194	-	-	-	-	-	-	-
DIST_SERV	TOTAL		1.00000000	0.80669674	-	0.12818048	0.00018287	-	-	-	-	0.00050958	0.00002194	-	-	-	-	-	-	-
METER		METER WP-GF-1 CCOS Inputs	208,009,834	116,841,220		55,805,088	89,238	6,630,620	265,721	1,654,280		1,885,756	81,208	4,518,631		452,836		1,524,312	432,109	
DIST_METERS	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	CUSTOMER		1	0.56171008	-	0.26828101	0.00042901	0.03187647	0.00127744	0.00795289	-	0.00906571	0.00039041	0.02172316	-	0.00217699	-	0.00732808	0.00207735	-
DIST_METERS	TOTAL		1.00000000	0.56171008	-	0.26828101	0.00042901	0.03187647	0.00127744	0.00795289	-	0.00906571	0.00039041	0.02172316	-	0.00217699	-	0.00732808	0.00207735	-
DIR371		WP-GF-17 FERC 371 OAD OL Alloc	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	CUSTOMER		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	TOTAL		1.00000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIR373		Hard Entered -No OAD	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	CUSTOMER		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	TOTAL		1.00000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIR902		WP-GF-1 CCOS Inputs	1,580,680	1,323,412		208,464	300	898	36	72		4,180	180	2,748		140				
CUST_902	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	CUSTOMER		1	0.83724220	-	0.13188248	0.00018979	0.00056811	0.00002278	0.00004555	-	0.00264443	0.00011388	0.00173849	-	0.00008857	-	-	-	-
CUST_902	TOTAL		1.00000000	0.83724220	-	0.13188248	0.00018979	0.00056811	0.00002278	0.00004555	-	0.00264443	0.00011388	0.00173849	-	0.00008857	-	-	-	-
DIR903		WP-GF-1 CCOS Inputs	13,193,595	11,224,395		1,416,955	2,021	6,053	243	486		5,633	243	3,704		189		1,141	323	
CUST_903	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	CUSTOMER		1	0.85074578	-	0.10739718	0.00015322	0.00045879	0.00001839	0.00003682	-	0.00042696	0.00001839	0.00028074	-	0.00001433	-	0.00008648	0.00002451	-
CUST_903	TOTAL		1.00000000	0.85074578	-	0.10739718	0.00015322	0.00045879	0.00001839	0.00003682	-	0.00042696	0.00001839	0.00028074	-	0.00001433	-	0.00008648	0.00002451	-
CUST451		WP-GF-1 CCOS Inputs	759,120	674,011		81,307	135	256	12	-		631	32	-		-		148	55	
CUST_451	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	CUSTOMER		1	0.88788495	-	0.10710706	0.00017722	0.00033770	0.00001643	-	-	0.00083147	0.00004215	-	-	-	-	0.00019542	0.00007202	-
CUST_451	TOTAL		1.00000000	0.88788495	-	0.10710706	0.00017722	0.00033770	0.00001643	-	-	0.00083147	0.00004215	-	-	-	-	0.00019542	0.00007202	-
ENER_OAD		WP-GF-1 CCOS Inputs	3,008,781,633	1,262,305,055		632,131,871	7,569,815	86,734,382	3,147,966	10,540,656		116,212,564	5,200,930	134,537,021		11,666,994		207,467,141	134,678,269	
PROD_ENERGY	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	DISTSEC		-	-	-	-	-													

**INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020**

Case No.: U-20359 MRE 408
Exhibit No.: I-42
Exhibit A-16, F-1.1 (Class Allocators)
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ALLOCATOR	FUNCTION	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS_SEC	WSS_SEC OAD	WSS_PRI	WSS_PRI OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD
INPUTS FROM WORKPAPERS																			
DIST_PCUST	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_PCUST	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_PCUST	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_PCUST	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_PCUST	CUSTOMER	-	-	-	-	0.00123728	-	0.00173651	-	0.00004389	-	0.00010667	-	0.00423369	-	0.05569670	0.00002192	0.00130606	-
DIST_PCUST	TOTAL	-	-	-	-	0.00123728	-	0.00173651	-	0.00004389	-	0.00010667	-	0.00423369	-	0.05569670	0.00002192	0.00130606	-
SECCUST		-	-	-	-	2,032	-	2,852	-	-	-	175	-	6,953	-	91,471	36	2,145	-
DIST_SERV	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SERV	CUSTOMER	-	-	-	-	0.00123862	-	0.00173839	-	-	-	0.00010678	-	0.00423827	-	0.05575691	0.00002194	0.00130748	-
DIST_SERV	TOTAL	-	-	-	-	0.00123862	-	0.00173839	-	-	-	0.00010678	-	0.00423827	-	0.05575691	0.00002194	0.00130748	-
METER		1,547,301	889,406	1,919,835		1,664,701		2,234,990		400,947		278,848		8,849,727		-	-	43,060	-
DIST_METERS	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_METERS	CUSTOMER	0.00743860	0.00427579	0.00922954	-	0.00800299	-	0.01074464	-	0.00192754	-	0.00134055	-	0.04254475	-	-	-	0.00020701	-
DIST_METERS	TOTAL	0.00743860	0.00427579	0.00922954	-	0.00800299	-	0.01074464	-	0.00192754	-	0.00134055	-	0.04254475	-	-	-	0.00020701	-
DIR371		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.99566128	0.00433872	-
DIST_OL	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OL	TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIR373		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
DIST_SL	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_SL	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,000,000.00
DIST_SL	TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,000,000.00
DIR902		-	-	-	-	2,032	-	2,852	-	72	-	175	-	34,765	-	-	-	-	354
CUST_902	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_902	CUSTOMER	-	-	-	-	0.00128552	-	0.00180429	-	0.00004555	-	0.00011071	-	0.02199370	-	-	-	0.00022395	-
CUST_902	TOTAL	-	-	-	-	0.00128552	-	0.00180429	-	0.00004555	-	0.00011071	-	0.02199370	-	-	-	0.00022395	-
DIR903		459	243	162		13,692		19,217		486		1,180		46,851		435,294	171	14,453	
CUST_903	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_903	CUSTOMER	0.00003481	0.00001839	0.00001228	-	0.00103779	-	0.00145652	-	0.00003681	-	0.00008947	-	0.00355107	-	0.03299281	0.00001299	0.00109548	-
CUST_903	TOTAL	0.00003481	0.00001839	0.00001228	-	0.00103779	-	0.00145652	-	0.00003681	-	0.00008947	-	0.00355107	-	0.03299281	0.00001299	0.00109548	-
CUST451		-	-	-	-	19	-	-	-	-	-	-	-	2,415	-	99	-	-	-
CUST_451	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUST_451	CUSTOMER	-	-	-	-	0.00002470	-	-	-	-	-	-	-	0.00318101	-	0.00012987	-	-	-
CUST_451	TOTAL	-	-	-	-	0.00002470	-	-	-	-	-	-	-	0.00318101	-	0.00012987	-	-	-
ENER_OAD		99,006,889	140,305,962	67,043,057		26,723,427		14,137,328		12,881,771		5,970,648		8,468,017		11,460,810	6,237	10,584,822	
PROD_ENERGY	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	ENERGY	0.03290597	0.04663215	0.02228246	-	0.00888181	-	0.00469869	-	0.00428139	-	0.00198441	-	0.00281443	-	0.00380912	0.00000207	0.00351798	-
PROD_ENERGY	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_ENERGY	TOTAL	0.03290597	0.04663215	0.02228246	-	0.00888181	-	0.00469869	-	0.00428139	-	0.00198441	-	0.00281443	-	0.00380912	0.00000207	0.00351798	-
INTERNALLY DERIVED																			
PROD_DEMAND	TOTAL	0.02821550	0.03183589	0.02251313	0	0.00830862	0	0.00317457	0	0.00294097	0	0.00145392	0	0.00348314	0	0.00			

**INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020**

ALLOCATOR	FUNCTION	SOURCE	Total	RS	RS OAD	GS-SEC	GS-SEC OAD	GS-PRI	GS-PRI OAD	GS-SUB	GS-SUB OAD	LGS-SEC	LGS-SEC OAD	LGS-PRI	LGS-PRI OAD	LGS-SUB	LGS-SUB OAD	LP-PRI	LP-PRI OAD
INPUTS FROM WORKPAPERS																			
PROD_DE	PS_GEN		1,000,000.00	0.46625923	0.00000000	0.22008581	0.00259375	0.02990992	0.00108773	0.00282528	0	0.03239718	0.00153370	0.03863847	0	0.00353600	0	0.05765541	0.03408059
PROD_DE	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	TOTAL		1,000,000.00	0.46625923	0.00000000	0.22008581	0.00259375	0.02990992	0.00108773	0.00282528	0	0.03239718	0.00153370	0.03863847	0	0.00353600	0	0.05765541	0.03408059
PROD_DEMAND_XOAD	PS_TRAN	Allocation Factors - Cell	1,000,000.00	0.51673659	0.00000000	0.23959946	0.00000000	0.03246360	0.00000000	0.00278756	0.00000000	0.03251782	0.00000000	0.03926518	0.00000000	0.00367001	0.00000000	0.05779283	0.00000000
CPST	ENERGY	A618: AJ625 Not Used	1,000,000.00	0.464446024	-	0.23258335	-	0.03191260	-	0.00387827	-	0.04275865	-	0.04950086	0.00429269	-	-	0.07633439	-
TRAN_LSE	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	PS_TRAN		1,000,000.00	0.516736589397	0.00000000	0.23959946	0.00000000	0.03246360	0.00000000	0.00278756	0	0.03251782	0.00000000	0.03926518	0	0.00367001	0	0.05779283	0.00000000
TRAN_LSE	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	TOTAL		1,000,000.00	0.51673659	0.00000000	0.23959946	0.00000000	0.03246360	0.00000000	0.00278756	0	0.03251782	0.00000000	0.03926518	0	0.00367001	0	0.05779283	0.00000000
SUB_TRANS	TO_TRAN	56.41% WP-GF-1 CCOS Inputs	1,000,000.00	0.42565656	-	0.24582489	0.00307498	0.03402539	0.00128624	0.00417718	-	0.03359527	0.00148476	0.03914140	-	0.00340585	-	0.06118533	0.03451756
SUB_ENERGY	ENERGY	43.59% WP-GF-1 CCOS Inputs	1,000,000.00	0.44073932	-	0.24061999	0.00289501	0.03334876	0.00120937	0.00529770	-	0.03214742	0.00143145	0.03749328	-	0.00428365	-	0.05790013	0.03395345
TRAN_TO	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	PS_TRAN		1,000,000.00	0.43223181	-	0.24355584	0.00299652	0.03373042	0.00125273	0.00466566	-	0.03296408	0.00146152	0.03842291	-	0.00378852	-	0.05975316	0.03427164
TRAN_TO	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	TOTAL		1,000,000.00	0.43223181	-	0.24355584	0.00299652	0.03373042	0.00125273	0.00466566	-	0.03296408	0.00146152	0.03842291	-	0.00378852	-	0.05975316	0.03427164
DIST_CPD	DISTPRI	56.55% WP-GF-1 CCOS Inputs	1,000,000.00	0.49810354	0.00000000	0.25806481	0.00317102	0.03584259	0.00132354	-	0.00000000	0.03524346	0.00160829	0.04105701	0.00000000	0.00000000	0.00000000	0.06363916	0.03739621
DISTSEC	DISTSEC	43.45% WP-GF-1 CCOS Inputs	1,000,000.00	0.67922641	-	0.24516597	0.00310993	-	-	-	-	0.02702996	0.00114380	-	-	-	-	-	-
DIST_POLES	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	DISTPRI		0.56550000	0.28167755	0.00000000	0.14593565	0.00179321	0.02026898	0.00074846	-	0.00000000	0.01993018	0.00090949	0.02321774	0.00000000	0.00000000	0.00000000	0.03598794	0.02114756
DIST_POLES	DISTSEC		0.43450000	0.29512387	-	0.10652461	0.00135126	-	-	-	-	0.01174452	0.00049698	-	-	-	-	-	-
DIST_POLES	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	TOTAL		1,000,000.00	0.57680142	0.00000000	0.25246026	0.00314448	0.02026898	0.00074846	-	0.00000000	0.03167470	0.00140647	0.02321774	0.00000000	0.00000000	0.00000000	0.03598794	0.02114756
DIST_CPD	DISTPRI	51.22% WP-GF-1 CCOS Inputs	1,000,000.00	0.49810354	0.00000000	0.25806481	0.00317102	0.03584259	0.00132354	-	0.00000000	0.03524346	0.00160829	0.04105701	0.00000000	0.00000000	0.00000000	0.06363916	0.03739621
DISTSEC	DISTSEC	48.78% WP-GF-1 CCOS Inputs	1,000,000.00	0.67922641	-	0.24516597	0.00310993	-	-	-	-	0.02702996	0.00114380	-	-	-	-	-	-
DIST_OHLINES	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	DISTPRI		0.51220000	0.25512863	0.00000000	0.13218080	0.00162420	0.01835857	0.00067792	-	0.00000000	0.01805170	0.00082377	0.02102940	0.00000000	0.00000000	0.00000000	0.03259598	0.01915434
DIST_OHLINES	DISTSEC		0.48780000	0.33132664	-	0.11959196	0.00151702	-	-	-	-	0.01318521	0.00055794	-	-	-	-	-	-
DIST_OHLINES	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	TOTAL		1,000,000.00	0.58645527	0.00000000	0.25177276	0.00314122	0.01835857	0.00067792	-	0.00000000	0.03123692	0.00138171	0.02102940	0.00000000	0.00000000	0.00000000	0.03259598	0.01915434
DIST_CPD	DISTPRI	60.28% WP-GF-1 CCOS Inputs	1,000,000.00	0.49810354	0.00000000	0.25806481	0.00317102	0.03584259	0.00132354	-	0.00000000	0.03524346	0.00160829	0.04105701	0.00000000	0.00000000	0.00000000	0.06363916	0.03739621
DISTSEC	DISTSEC	39.72% WP-GF-1 CCOS Inputs	1,000,000.00	0.67922641	-	0.24516597	0.00310993	-	-	-	-	0.02702996	0.00114380	-	-	-	-	-	-
DIST_UGLINES	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	DISTPRI		0.60280000	0.30025681	0.00000000	0.15556147	0.00191149	0.02160591	0.00079783	-	0.00000000	0.02124476	0.00096948	0.02474916	0.00000000	0.00000000	0.00000000	0.03836169	0.02254243
DIST_UGLINES	DISTSEC		0.39720000	0.26978873	-	0.09737992	0.00123526	-	-	-	-	0.01073630	0.00045432	-	-	-	-	-	-
DIST_UGLINES	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	TOTAL		1,000,000.00	0.57004554	0.00000000	0.25294139	0.00314676	0.02160591	0.00079783	-	0.00000000	0.03198106	0.00142379	0.02474916	0.00000000	0.00000000	0.00000000	0.03836169	0.02254243
DIST_CPD	DISTPRI	23.78% WP-GF-1 CCOS Inputs	1,000,000.00	0.49810354	0.00000000	0.25806481	0.00317102	0.03584259	0.00132354	-	0.00000000	0.03524346	0.00160829	0.04105701	0.00000000	0.00000000	0.00000000	0.06363916	0.03739621
DISTSEC	DISTSEC	76.22% WP-GF-1 CCOS Inputs	1,000,000.00	0.67922641	-	0.24516597	0.00310993	-	-	-	-	0.02702996	0.00114380	-	-	-	-	-	-
DIST_TRANSF	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_TRANSF	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_TRANSF	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_TRANSF	DISTPRI		0.23780000	0.12	0.00000000	0.06136781	0.00075407	0.008											

**INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020**

ALLOCATOR	FUNCTION	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS_SEC	WSS_SEC OAD	WSS_PRI	WSS_PRI OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD
INPUTS FROM WORKPAPERS																			
PROD_DE	PS_GEN	0.02938812	0.03553495	0.02245546	0	0.00845192	0	0.00355560	0	0.00327607	0	0.00158654	0	0.00331596	0	0.00095228	0	0.00087949	0
PROD_DE	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_DE	TOTAL	0.02938812	0.03553495	0.02245546	0	0.00845192	0	0.00355560	0	0.00327607	0	0.00158654	0	0.00331596	0	0.00095228	0	0.00087949	0
PROD_DEMAND_XOAD	PS_TRAN	0.03025935	0.00000000	0.02414391	0.00000000	0.00891048	0.00000000	0.00340453	0.00000000	0.00315400	0.00000000	0.00155924	0.00000000	0.00373545	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
CPST	ENERGY	0.03642809	-	0.02466748	-	0.00983248	-	0.00520162	-	0.00473965	-	0.00219681	-	0.00311568	-	0.00421683	-	0.00389452	-
TRAN_LSE	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	PS_TRAN	0.03025935	0.00000000	0.02414391	0	0.00891048	0	0.00340453	0	0.00315400	0	0.00155924	0	0.00373545	0	0.00000000	0	0.00000000	0
TRAN_LSE	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LSE	TOTAL	0.03025935	0.00000000	0.02414391	0	0.00891048	0	0.00340453	0	0.00315400	0	0.00155924	0	0.00373545	0	0.00000000	0	0.00000000	0
SUB_TRANS	TO_TRAN	0.03051822	0.03795442	0.02035030	-	0.01194218	-	0.00366640	-	0.00335622	-	0.00295918	-	0.00159022	-	0.00014682	-	0.00014062	-
SUB_ENERGY	ENERGY	0.03792405	0.04817430	-	-	0.01070243	-	0.00338464	-	0.00311173	-	0.00286363	-	0.00169366	-	0.00050837	-	0.00049766	-
TRAN_TO	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	TO_TRAN	0.03374675	0.04240972	0.01147870	-	0.01140172	-	0.00354357	-	0.00324964	-	0.00283906	-	0.00163532	-	0.00030443	-	0.00029627	-
TRAN_TO	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_TO	TOTAL	0.03374675	0.04240972	0.01147870	-	0.01140172	-	0.00354357	-	0.00324964	-	0.00283906	-	0.00163532	-	0.00030443	-	0.00029627	-
DIST_CPD	DISTPRI	-	-	-	0.00000000	0.01165670	0.00000000	0.00377242	0.00000000	0.00346489	0.00000000	0.00288399	0.00000000	0.00165841	0.00000000	0.00056267	0.00000000	0.00055128	0.00000000
DISTSEC	DISTSEC	-	-	-	-	0.01042997	-	0.00393725	-	0.00346489	-	0.00256295	-	0.02057960	-	0.00365940	0.00000249	0.00315229	-
DIST_POLES	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	DISTPRI	-	-	-	0.00000000	0.00659186	0.00000000	0.00213331	0.00000000	0.00195940	0.00000000	0.00163090	0.00000000	0.00093783	0.00000000	0.00031819	0.00000000	0.00031175	0.00000000
DIST_POLES	DISTSEC	-	-	-	-	0.00453182	-	0.00171073	-	-	-	0.00111360	-	0.00894184	-	0.00159001	0.00000108	0.00136967	-
DIST_POLES	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_POLES	TOTAL	-	-	-	0.00000000	0.01112369	0.00000000	0.00384404	0.00000000	0.00195940	0.00000000	0.00274450	0.00000000	0.00987967	0.00000000	0.00190820	0.00000108	0.00168142	0.00000000
DIST_CPD	DISTPRI	-	-	-	0.00000000	0.01165670	0.00000000	0.00377242	0.00000000	0.00346489	0.00000000	0.00288399	0.00000000	0.00165841	0.00000000	0.00056267	0.00000000	0.00055128	0.00000000
DISTSEC	DISTSEC	-	-	-	-	0.01042997	-	0.00393725	-	0.00346489	-	0.00256295	-	0.02057960	-	0.00365940	0.00000249	0.00315229	-
DIST_OHLINES	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	DISTPRI	-	-	-	0.00000000	0.00597056	0.00000000	0.00193224	0.00000000	0.00177472	0.00000000	0.00147718	0.00000000	0.00084944	0.00000000	0.00028820	0.00000000	0.00028237	0.00000000
DIST_OHLINES	DISTSEC	-	-	-	-	0.00508774	-	0.00192059	-	-	-	0.00125021	-	0.01003873	-	0.00178505	0.00000122	0.00153769	-
DIST_OHLINES	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_OHLINES	TOTAL	-	-	-	0.00000000	0.01105830	0.00000000	0.00385283	0.00000000	0.00177472	0.00000000	0.00272739	0.00000000	0.01088816	0.00000000	0.00207326	0.00000122	0.00182006	0.00000000
DIST_CPD	DISTPRI	-	-	-	0.00000000	0.01165670	0.00000000	0.00377242	0.00000000	0.00346489	0.00000000	0.00288399	0.00000000	0.00165841	0.00000000	0.00056267	0.00000000	0.00055128	0.00000000
DISTSEC	DISTSEC	-	-	-	-	0.01042997	-	0.00393725	-	0.00346489	-	0.00256295	-	0.02057960	-	0.00365940	0.00000249	0.00315229	-
DIST_UGLINES	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	DISTPRI	-	-	-	0.00000000	0.00702666	0.00000000	0.00227402	0.00000000	0.00208864	0.00000000	0.00173847	0.00000000	0.00099969	0.00000000	0.00033918	0.00000000	0.00033231	0.00000000
DIST_UGLINES	DISTSEC	-	-	-	-	0.00414278	-	0.00156387	-	-	-	0.00101800	-	0.00817422	-	0.00145351	0.00000099	0.00125209	-
DIST_UGLINES	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_UGLINES	TOTAL	-	-	-	0.00000000	0.01116944	0.00000000	0.00383789	0.00000000	0.00208864	0.00000000	0.00275647	0.00000000	0.00917391	0.00000000	0.00179269	0.00000099	0.00158440	0.00000000
DIST_CPD	DISTPRI	-	-	-	0.00000000	0.01165670	0.00000000	0.00377242	0.00000000	0.00346489	0.00000000	0.00288399	0.00000000	0.00165841	0.00000000	0.00056267	0.00000000	0.00055128	0.00000000
DISTSEC	DISTSEC	-	-	-	-	0.01042997	-	0.00393725	-	0.00346489	-	0.00256295	-	0.02057960	-	0.00365940	0.00000249	0.00315229	-
DIST_TRANSF	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_TRANSF	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_TRANSF	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_TRANSF	DISTPRI	-	-	-	0.00000000	0.00277196	0.00000000	0.00089708	0.00000000	0.00082395	0.00000000	0.00066881	0.00000000	0.00039437	0.00000000	0.00013380	0.00000000	0.00013110	0.00000000
DIST_TRANSF	DISTSEC	-	-	-	-	0.00794972	-	0.00300097	-	-	-	0.00195348	-	0.01568577	-	0.00278919	0.00000190	0.00240268	-
DIST_TRANSF	ENERGY	-	-	-															

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
 TWELVE MONTHS ENDING DECEMBER 31, 2020

Case No.: U-20359 MRE 408
 Exhibit No.: I-42
 Exhibit A-16, F-1.1 (Class Allocators)
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ALLOCATOR	FUNCTION	SOURCE	Total	RS	RS OAD	GS-SEC	GS-SEC OAD	GS-PRI	GS-PRI OAD	GS-SUB	GS-SUB OAD	LGS-SEC	LGS-SEC OAD	LGS-PRI	LGS-PRI OAD	LGS-SUB	LGS-SUB OAD	LP-PRI	LP-PRI OAD
INPUTS FROM WORKPAPERS																			
RB_GUP_EPIS_P	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_P	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_P	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_P	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_P	TOTAL		1,000,000.00	0.46625923	0	0.22008581	0.00259375	0.02990992	0.00108773	0.00282528	0	0.03239718	0.00153370	0.03863847	0	0.00353600	0	0.05765541	0.03408059
Transmission EPIS	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	TO_TRAN		257,211,588	111,175,030	-	62,645,385	770,740	8,675,855	322,217	1,200,063	-	8,478,745	375,920	9,882,818	-	974,451	-	15,369,206	8,815,062
Transmission EPIS	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	TOTAL		257,211,588	111,175,030	-	62,645,385	770,740	8,675,855	322,217	1,200,063	-	8,478,745	375,920	9,882,818	-	974,451	-	15,369,206	8,815,062
RB_GUP_EPIS_T	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	TO_TRAN		1,000,000.00	0.43223181	-	0.24355584	0.00299652	0.03373042	0.00125273	0.00466566	-	0.03296408	0.00146152	0.03842291	-	0.00378852	-	0.05975316	0.03427164
RB_GUP_EPIS_T	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	TOTAL		1,000,000.00	0.43223181	-	0.24355584	0.00299652	0.03373042	0.00125273	0.00466566	-	0.03296408	0.00146152	0.03842291	-	0.00378852	-	0.05975316	0.03427164
Distribution EPIS	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution EPIS	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution EPIS	TO_TRAN		264,599,167	131,797,781	0	68,283,734	839,050	9,483,919	350,207	-	0	9,325,391	425,553	10,863,650	0	65,494	0	16,838,869	9,895,005
Distribution EPIS	DISTSEC		169,375,783	115,044,504	-	41,525,178	526,746	-	-	-	-	4,578,220	193,731	-	-	-	-	-	-
Distribution EPIS	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution EPIS	CUSTOMER		80,946,168	46,700,656	0	12,647,626	19,436	958,994	38,431	239,260	-	290,933	12,529	653,535	-	65,494	-	220,463	62,496
Distribution EPIS	TOTAL		514,921,117	292,542,941	0	122,456,538	1,385,232	10,442,913	388,638	239,260	0	14,194,544	631,813	11,517,185	0	65,494	0	17,059,332	9,957,502
RB_GUP_EPIS_D	PS_GEN		-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_D	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_D	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_D	DISTPRI		0.51386350	0.25595723	0.00000000	0.13261009	0.00162947	0.01841820	0.00068012	-	0.00000000	0.01811033	0.00082644	0.02109770	0.00000000	-	0.00000000	0.03270184	0.01921655
RB_GUP_EPIS_D	DISTSEC		0.32893540	0.22342142	-	0.08064377	0.00102297	-	-	-	-	0.00889111	0.00037623	-	-	-	-	-	-
RB_GUP_EPIS_D	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_D	CUSTOMER		0.15720110	0.08875273	-	0.02456226	0.00003774	0.00186241	0.00007464	0.00046465	-	0.00056500	0.00002433	0.00126919	-	0.00012719	-	0.00042815	0.00012137
RB_GUP_EPIS_D	TOTAL		1,000,000.00	0.56813157	0.00000000	0.23781611	0.00269018	0.02208061	0.00075475	0.00046465	0	0.02756644	0.00122701	0.02236689	0.00000000	0.00012719	0.00000000	0.03312999	0.01933792
Gen & Int Plant	PS_GEN		53,168,191	24,790,160	0	11,701,565	137,905	1,590,256	57,833	150,215	0	1,722,500	81,544	2,054,338	0	188,003	0	3,065,434	1,812,003
Gen & Int Plant	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gen & Int Plant	TO_TRAN		2,602,593	1,124,924	-	633,877	7,799	87,787	3,260	12,143	-	85,792	3,804	99,999	0	9,860	0	155,513	89,195
Gen & Int Plant	DISTPRI		3,378,480	1,682,833	0	871,867	10,713	121,093	4,472	-	-	119,069	5,434	138,710	0	21,004	0	216,344	126,342
Gen & Int Plant	DISTSEC		2,768,797	1,880,640	-	678,815	8,611	-	-	-	-	74,840	3,167	-	-	-	-	-	-
Gen & Int Plant	ENERGY		3,196,882	1,484,779	-	743,541	-	102,021	-	12,398	-	136,694	-	158,248	-	13,723	-	244,032	-
Gen & Int Plant	CUSTOMER		5,718,363	4,739,106	-	668,026	966	11,100	445	2,345	-	5,965	257	8,146	-	703	-	2,390	677
Gen & Int Plant	TOTAL		70,833,307	35,702,442	0	15,297,691	165,994	1,912,258	66,009	177,101	0	2,144,860	94,205	2,459,442	0	212,290	0	3,682,373	2,028,218
RB_GUP_EPIS_G	PS_GEN		0.75061004	0.34997886	0	0.16519862	0.00194689	0.02245069	0.00081646	0.00212069	-	0.02431765	0.00115121	0.02900243	0	0.00265416	-	0.04327673	0.02558123
RB_GUP_EPIS_G	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_G	TO_TRAN		0.03674251	0.01588128	-	0.00894885	0.00011010	0.00121934	0.00004603	0.00017143	-	0.00121118	0.00005370	0.00141175	-	0.00013920	-	0.00219548	0.00125923
RB_GUP_EPIS_G	DISTPRI		0.04796621	0.02375765	0	0.01230871	0.00015125	0.00170956	0.00006313	-	0.00116809	0.00007671	0.00195826	-	0	0.00303535	0.00178366	-	-
RB_GUP_EPIS_G	DISTSEC		0.03080892	0.02655025	-	0.00958327	0.00012156	-	-	-	0.00105657	0.00004471	-	-	-	-	-	-	-
RB_GUP_EPIS_G	ENERGY		0.04513246	0.02096159	-	0.01049706	-	0.00144029	-	0.00017504	-	0.00192980	-	0.00232410	-	0.00019374	-	0.00344516	-
RB_GUP_EPIS_G	CUSTOMER		0.08072986	0.06690505	-	0.00943096	0.00001364	0.00015671	0.00000628	0.00003310	-	0.00008421	0.00000363	0.00011500	-	0.00000993	-	0.00003374	0.00000956
RB_GUP_EPIS_G	TOTAL		1,000,000.00	0.50430466	0	0.21596748	0.00234344	0.02699659	0.00093190	0.00250025	0	0.03028039	0.00132995	0.03472154	0	0.00299703	0	0.05198646	0.02863368
CWIP	PS_GEN		21,406,880	9,981,156	0	4,711,351	55,524	640,278	23,285	60,480	0	693,523	32,832	827,129	0	75,695	0	1,234,222	729,559
CWIP	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CWIP	TO_TRAN		16,528,712	7,144,235	-	4,025,664	49,529	557,520	20,706	77,117	-	844,854	24,157	635,081	0	62,619	0	987,643	566,466
CWIP	DISTPRI		10,168,429	5,064,930	0	2,624,114	32,244	364,463	13,458	-	0	358,371	16,354	417,485	0	64,710	0	647,110	380,261
CWIP	DISTSEC		6,533,870	4,437,977	-	1,601,883	20,320	-	-	-	-	176,610	7,473	-	-	-	-	-	-
CWIP	ENERGY		130,975	60,831	-	30,463	-	4,180	-	508	-	5,600	-	6,483	-	562	-	9,998	-
CWIP	CUSTOMER		3,302,660	1,926,508	-	506,795	776	36,807	1,475	9,166	-	11,273	485	25,107	-	8,455	-	2,397	2,397
CWIP	TOTAL		58,071,526	26,615,637	0	15,500,269	158,393	1,603,248	58,924	147,271	0	1,790,230	81,301	1,911,286	0	141,388	0	2,887,428	1,678,882
RB_GUP_CWIP	PS_GEN		0.36862955	0.17187693	0	0.08113013	0.00095613	0.01102568	0.00040097	0.00104148	-	0.01194256	0.00056537	0.01424328	0	0.00130348	0	0.02125349	0.01256311
RB_GUP_CWIP	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_CWIP	TO_TRAN		0.28462679	0.12302475	-	0.06932252	0.00085289	0.00960058	0.00035656	0.00132797	-								

**INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020**

ALLOCATOR	FUNCTION	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS_SEC	WSS_SEC OAD	WSS_PRI	WSS_PRI OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD
INPUTS FROM WORKPAPERS																			
RB_GUP_EPIS_P	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_P	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_P	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_P	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_P	TOTAL	0.02938812	0.03553495	0.02245546	0	0.00845192	0	0.00355560	0	0.00327607	0	0.00158654	0	0.00331596	0	0.00095228	0	0.00087949	0
Transmission EPIS	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	TO_TRAN	8,680,055	10,908,272	2,952,455	-	2,932,654	-	911,448	-	835,844	-	730,238	-	420,622	-	78,304	-	76,204	-
Transmission EPIS	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission EPIS	TOTAL	8,680,055	10,908,272	2,952,455	-	2,932,654	-	911,448	-	835,844	-	730,238	-	420,622	-	78,304	-	76,204	-
RB_GUP_EPIS_T	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	TO_TRAN	0.03374675	0.04240972	0.01147870	-	0.01140172	-	0.00354357	-	0.00324964	-	0.00283906	-	0.00163532	-	0.00030443	-	0.00029627	-
RB_GUP_EPIS_T	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_T	TOTAL	0.03374675	0.04240972	0.01147870	-	0.01140172	-	0.00354357	-	0.00324964	-	0.00283906	-	0.00163532	-	0.00030443	-	0.00029627	-
Distribution EPIS	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution EPIS	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution EPIS	TO_TRAN	-	-	-	0	3,084,353	0	998,180	0	916,807	0	763,102	0	438,814	0	148,883	0	145,869	0
Distribution EPIS	DISTPRI	-	-	-	-	1,766,584	-	666,875	-	434,102	-	348,585	-	619,813	-	422	-	533,922	-
Distribution EPIS	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution EPIS	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution EPIS	CUSTOMER	223,788	128,636	277,668	-	284,991	-	385,315	-	57,989	-	44,143	-	1,431,266	-	11,402,140	-	41,795	-
Distribution EPIS	TOTAL	223,788	128,636	277,668	0	5,135,928	0	2,050,370	0	974,796	0	1,241,346	0	3,555,766	0	12,170,837	0	42,217	0
RB_GUP_EPIS_D	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_D	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_D	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_D	DISTPRI	-	-	-	0.00000000	0.00598995	0.00000000	0.00193851	0.00000000	0.00178048	0.00000000	0.00148198	0.00000000	0.00085220	0.00000000	0.00028914	0.00000000	0.00028328	0.00000000
RB_GUP_EPIS_D	DISTSEC	-	-	-	-	0.00343079	-	0.00129510	-	-	-	0.00084304	-	0.00676936	-	0.00120371	-	0.00000082	0.00103690
RB_GUP_EPIS_D	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_D	CUSTOMER	0.00043461	0.00024982	0.00053924	-	0.00055346	-	0.00074830	-	0.00011262	-	0.00008573	-	0.00277958	-	0.02214347	-	0.00008117	0.01118343
RB_GUP_EPIS_D	TOTAL	0.00043461	0.00024982	0.00053924	0.00000000	0.00997420	0.00000000	0.00398191	0.00000000	0.00189310	0.00000000	0.00241075	0.00000000	0.01040114	0.00000000	0.02363631	0.00008199	0.01250361	0.00000000
Gen & Int Plant	PS_GEN	1,562,513	1,889,329	1,193,916	0	449,373	0	189,045	0	174,183	0	84,354	0	176,304	0	50,631	0	28	46,761
Gen & Int Plant	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gen & Int Plant	TO_TRAN	87,829	110,375	29,874	-	29,674	-	9,222	-	8,457	-	7,389	-	4,256	-	792	-	771	-
Gen & Int Plant	DISTPRI	-	-	-	0	39,382	0	12,745	0	11,706	0	9,744	0	5,603	0	1,901	0	1,863	0
Gen & Int Plant	DISTSEC	-	-	-	-	28,878	-	10,901	-	-	-	7,096	-	56,981	-	10,132	-	7	8,728
Gen & Int Plant	ENERGY	116,456	-	78,859	-	31,433	-	16,629	-	15,152	-	7,023	-	9,960	-	13,481	-	12,450	-
Gen & Int Plant	CUSTOMER	-	-	-	-	7,920	-	10,984	-	721	-	858	-	40,750	-	193,657	-	200	17,187
Gen & Int Plant	TOTAL	1,768,970	2,000,945	1,305,197	0	586,661	0	249,527	0	210,219	0	116,463	0	293,853	0	270,594	0	234	87,760
RB_GUP_EPIS_G	PS_GEN	0.02205902	0.02667289	0.01685530	-	0.00634410	-	0.00268887	-	0.00245905	-	0.00119088	-	0.00248899	-	0.00071479	-	0.00000039	0.00066106
RB_GUP_EPIS_G	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_EPIS_G	TO_TRAN	0.00123994	0.00155824	0.00042176	-	0.00041893	-	0.00013020	-	0.00011940	-	0.00010431	-	0.00006009	-	0.00001119	-	0.000001089	-
RB_GUP_EPIS_G	DISTPRI	-	-	-	0	0.00055598	0	0.00017993	0	0.00016526	0	0.00013756	0	0.00007910	0	0.00002684	0.00000000	0.00002629	0
RB_GUP_EPIS_G	DISTSEC	-	-	-	-	0.00040770	-	0.00015390	-	-	-	0.00010188	-	0.00004443	-	0.000014304	0.00000010	0.000012322	-
RB_GUP_EPIS_G	ENERGY	0.00164409	-	0.00111330	-	0.00044376	-	0.00023476	-	0.00021391	-	0.00009915	-	0.00014062	-	0.00019032	-	0.00017577	-
RB_GUP_EPIS_G	CUSTOMER	0.00003066	0.00001751	0.00003596	-	0.00011181	-	0.00015507	-	0.00001018	-	0.00001211	-	0.00057529	-	0.00273399	-	0.000020282	0.00024264
RB_GUP_EPIS_G	TOTAL	0.02497371	0.02824865	0.01842631	0	0.00828228	0	0.00352274	0	0.00296780	0	0.00164419	0	0.00414852	0	0.00382016	0.000000331	0.00123897	0
CWIP	PS_GEN	629,108	760,692	480,701	0	180,929	0	76,114	0	70,131	0	33,963	0	70,984	0	20,385	0	11	18,827
CWIP	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CWIP	TO_TRAN	557,790	700,978	189,728	-	188,456	-	58,571	-	53,712	-	46,926	-	27,030	-	5,032	-	4,897	-
CWIP	DISTPRI	-	-	-	0	118,530	0	38,360	0	35,232	0	29,326	0	16,863	0	5,722	0	5,606	0
CWIP	DISTSEC	-	-	-	-	68,148	-	25,725	-	-	-	16,746	-	134,464	-	23,910	-	16	20,597
CWIP	ENERGY	4,771	-	3,231	-	1,288	-	681	-	621	-	288	-	408	-	552	-	510	-
CWIP	CUSTOMER	8,572	4,927	10,630	-	11,127	-	15,056	-	2,228	-	1,708	-	55,924	-	440,149	-	1,592	218,992
CWIP	TOTAL	1,200,241	1,466,598	894,290	0	569,479	0	214,507	0	161,924	0	128,957	0	305,674	0	485,750	0	1,820	269,428
RB_GUP_CWIP	PS_GEN	0.01083333	0.01309923	0.00827775	0	0.00311563	0	0.00131070	0	0.00120766	0	0.00058485	0	0.00122236	0	0.00035104	0.00000019	0.00032421	0
RB_GUP_CWIP	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RB_GUP_CWIP	TO_TRAN	0.00960523	0.01207094	0.00326715	-	0.00324523	-	0.00100860	-	0.00092493	-	0.00089087	-	0.00046545	-	0.00008665	-	0.00008433	-
RB_GUP_CWIP	DISTPRI	-	-	-	0	0.00066056	0	0.00204111	0	0.00050499	0	0.00050499	0	0.00029039	0	0.00009853	0.00000000	0.00009653	0
RB_GUP_CWIP	DISTSEC	-	-	-	-	0.00117352	-	0.00044300	-	-	-	0.00028837	-	0.00231550	-	0.00041173	0.00000028	0.00035468	-
RB_GUP_CWIP	ENERGY	0.																	

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
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ALLOCATOR	FUNCTION	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS_SEC	WSS_SEC OAD	WSS_PRI	WSS_PRI OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD		
INPUTS FROM WORKPAPERS																					
Net EPIS	TO_TRAN	6,549,419	8,230,690	2,227,735	-	2,212,795	-	687,721	-	630,675	-	550,992	-	317,375	-	59,083	-	57,499	-		
Net EPIS	DISTPRI	-	-	-	0	2,396,978	0	775,727	0	712,489	0	593,038	0	341,020	0	115,703	0	113,361	0.00047		
Net EPIS	DISTSEC	-	-	-	-	1,377,130	-	519,858	-	-	-	-	-	2,717,245	-	483,172	329	416,215	-		
Net EPIS	ENERGY	78,180	-	52,940	-	21,102	-	11,163	-	10,172	-	4,715	-	6,687	-	9,050	-	8,358	-		
Net EPIS	CUSTOMER	173,455	99,698	215,117	-	224,352	-	303,516	-	45,053	-	34,503	-	1,127,384	-	8,893,346	32,257	4,437,411	-		
Net EPIS	TOTAL	22,688,032	27,540,295	14,635,032	0	10,801,396	0	4,220,113	0	3,169,406	0	2,379,320	0	6,302,292	0	10,075,149	32,866	5,508,292	0.00118		
NP	PS_GEN	0.01392945	-	0.01684293	-	0.01064349	-	0.00406066	-	0.00168529	-	0.00155280	-	0.00075199	-	0.00157171	-	0.000045136	0.0000025	0.00041686	0.00000
NP	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NP	TO_TRAN	0.00574242	0.00721654	0.00195324	-	0.00194014	-	0.00060298	-	0.00055297	-	0.00048310	-	0.00027827	-	0.00005180	-	0.00005941	-	0.00005941	-
NP	DISTPRI	-	-	0.00210163	-	0.00068015	-	0.00062470	-	0.00001967	-	0.00009197	-	0.00029900	-	0.00010145	-	0.000090939	-	0.00000	
NP	DISTSEC	-	-	0.00120745	-	0.00045580	-	-	-	0.000029670	-	0.000238244	-	0.000042364	-	0.00000029	-	0.000036493	-	-	
NP	ENERGY	0.00006855	-	0.00004642	-	0.00001850	-	0.00000979	-	0.00000413	-	0.00000586	-	0.00000393	-	0.00000734	-	0.00000733	-	-	
NP	CUSTOMER	0.00015208	0.00008741	0.00018861	-	0.00019671	-	0.00026612	-	0.00003950	-	0.00003025	-	0.00009847	-	0.00077954	-	0.00002828	-	0.00389065	
NP	TOTAL	0.01989250	0.02414689	0.01283176	0	0.00947049	0	0.00370013	0	0.00277888	0	0.00208615	0	0.00552575	0	0.00883373	0.00002882	0.00482958	0.00000		
Rate Base	PS_GEN	15,596,104	18,848,337	11,919,803	0	4,485,200	0	1,887,175	0	1,738,899	0	842,110	0	1,758,971	0	505,462	275	466,859	0.00069		
Rate Base	PS_TRAN	(48,612)	(0)	(38,796)	(0)	(14,314)	(0)	(5,470)	(0)	(5,968)	(0)	(2,505)	(0)	(5,998)	(0)	(0)	(0)	(0)	(0.00000)		
Rate Base	TO_TRAN	6,460,461	8,114,654	2,197,997	-	2,182,649	-	678,466	-	622,218	-	543,598	-	312,923	-	58,292	-	56,731	-		
Rate Base	DISTPRI	-	-	-	0	2,327,268	0	753,293	0	691,918	0	575,910	0	112,364	0	110,994	0	110,994	0.00045		
Rate Base	DISTSEC	-	-	-	-	1,337,916	-	505,140	-	-	-	328,834	-	2,638,782	-	469,519	320	404,473	-		
Rate Base	ENERGY	631,390	-	427,650	-	170,414	-	90,168	-	82,164	-	38,083	-	53,978	-	73,102	-	67,517	-		
Rate Base	CUSTOMER	168,348	96,711	208,794	-	219,144	-	296,593	-	43,776	-	33,610	-	1,100,950	-	8,663,903	31,288	4,302,779	-		
Rate Base	TOTAL	22,807,691	27,059,702	14,715,448	0	10,708,277	0	4,205,365	0	3,173,907	0	2,359,639	0	6,190,572	0	9,882,641	31,862	5,408,444	0		
RATEBASE	PS_GEN	0.01378723	0.01666227	0.01053732	0	0.00396500	0	0.00166830	0	0.00153722	0	0.00074444	0	0.00155496	0	0.00044684	0.00000024	0.00041270	0		
RATEBASE	PS_TRAN	(0.00004297)	(0.00000000)	(0.00003430)	(0)	(0.00001285)	(0)	(0.00000484)	(0)	(0.00000221)	(0)	(0.00000530)	(0)	(0.00000000)	(0)	(0.00000000)	(0.00000000)	(0.00000000)	(0)		
RATEBASE	TO_TRAN	0.00571116	0.00717350	0.00194307	-	0.00192950	-	0.00059978	-	0.00050505	-	0.00048055	-	0.00027663	-	0.00005153	-	0.00005015	-		
RATEBASE	DISTPRI	-	-	-	0	0.00205735	0.00000000	0.00066592	0	0.00061167	0	0.00050912	0	0.00025258	0	0.00009933	0.00000000	0.00009733	0		
RATEBASE	DISTSEC	-	-	-	-	0.00118274	-	0.00044655	-	-	-	0.00029069	-	0.00233273	-	0.00041506	0.00000028	0.00035756	-		
RATEBASE	ENERGY	0.00055816	-	0.00037805	-	0.00015065	-	0.00007971	-	0.00007263	-	0.00003367	-	0.00004772	-	0.00006462	-	0.00005969	-		
RATEBASE	CUSTOMER	0.00014882	0.00008549	0.00018458	-	0.00019373	-	0.00026219	-	0.00003870	-	0.00002971	-	0.00093722	-	0.00076594	0.00002764	0.00380373	-		
RATEBASE	TOTAL	0.02016241	0.02392126	0.01300872	0	0.00946631	0	0.00371762	0	0.00280579	0	0.00208956	0	0.00547258	0	0.00873643	0.00002817	0.00478116	0		
RATEBASENOTO	PS_GEN	0.01659567	0.02095634	0.01268375	0.00000000	0.00477266	0.00000000	0.00200813	0.00000000	0.00185635	0.00000000	0.00098608	0.00000000	0.00187170	0.00000000	0.00053786	0.00000029	0.00049677	0.00000000		
RATEBASENOTO	PS_TRAN	(0.00005173)	(0.00000000)	(0.00004128)	(0.00000000)	(0.00001523)	(0.00000000)	(0.00000582)	(0.00000000)	(0.00000539)	(0.00000000)	(0.00000267)	(0.00000000)	(0.00000638)	(0.00000000)	(0.00000000)	(0.00000000)	(0.00000000)	(0.00000000)		
RATEBASENOTO	TO_TRAN	-	-	-	0.00000000	0.00247642	0.00000000	0.00080157	0.00000000	0.00073626	0.00000000	0.00061282	0.00000000	0.00035218	0.00000000	0.00011957	0.00000000	0.00011715	0.00000000		
RATEBASENOTO	DISTSEC	-	-	-	-	0.00142366	-	0.00053751	-	-	-	0.00280790	-	0.00049961	-	0.00004034	0.00000000	0.00043040	-		
RATEBASENOTO	ENERGY	0.00067186	-	0.00045506	-	0.00018134	-	0.00009595	-	0.00008743	-	0.00004052	-	0.00005744	-	0.00007779	-	0.00007184	-		
RATEBASENOTO	CUSTOMER	0.00017914	0.00010291	0.00022218	-	0.00023319	-	0.00031560	-	0.00004658	-	0.00003576	-	0.00117151	-	0.00921918	0.00003327	0.00457855	-		
RATEBASENOTO	TOTAL	0.01739494	0.02015925	0.01331970	0.00000000	0.00907204	0.00000000	0.00375294	0.00000000	0.00271523	0.00000000	0.00193243	0.00000000	0.00625435	0.00000000	0.01045400	0.00003390	0.00569471	0.00000000		
System Sales	PS_GEN	30,128	36,429	23,020	0	8,665	0	3,645	0	3,358	0	1,626	0	3,399	0	976	1	902	0		
System Sales	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
System Sales	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
System Sales	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
System Sales	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
System Sales	ENERGY	1,210,954	-	820,004	-	326,855	-	172,914	-	157,557	-	73,027	-	103,572	-	140,177	-	129,463	-		
System Sales	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
System Sales	TOTAL	1,241,082	36,429	843,025	0	335,519	0	176,559	0	160,916	0	74,654	0	106,972	0	141,154	1	130,365	0		
SS	PS_GEN	0.00087919	0.00106308	0.00067179	0	0.00025285	0	0.00010837	0	0.00009801	0	0.00004746	0	0.00009920	0	0.00002849	0	0.00002631	0		
SS	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SS	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SS	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SS	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SS	ENERGY	0.03533829	-	0.02392952	-	0.00953833	-	0.00504600	-	0.00459786	-	0.00213109	-	0.00302247	-	0.00409068	-	0.00377801	-		
SS	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SS	TOTAL	0.03621747	0.00106308	0.02460130	0	0.00979118	0	0.00515237	0	0.00469587	0	0.00217855	0	0.00312167	0	0.00411917	0	0.00380433	0		
CUST_451	TOTAL	-	-	-	-	0.00002470	-	-	-	-	-	-	-	-	-	0.00318101	-	0.00012987	-		
RB_GUP_EPIS_D	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
RB_GUP_EPIS_D	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
RB_GUP_EPIS_D	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
RB_GUP_EPIS_D	DISTPRI	-	-	-	0	0.00598995	0	0.00193851	0	0.00178048	0	0.00148198	0	0.00085220	0	0.00028914	0.00000000	0.00028328	0		
RB_GUP_EPIS_D	DISTSEC	-	-	-	-	0.00343079	-	0.00129510	-	-	-	0.00084304	-	0.00676936	-	0.0012					

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
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ALLOCATOR	FUNCTION	SOURCE	Total	RS	RS OAD	GS-SEC	GS-SEC OAD	GS-PRI	GS-PRI OAD	GS-SUB	GS-SUB OAD	LGS-SEC	LGS-SEC OAD	LGS-PRI	LGS-PRI OAD	LGS-SUB	LGS-SUB OAD	LP-PRI	LP-PRI OAD
INPUTS FROM WORKPAPERS																			
TOTOHLINES	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	DISTPRI		0.53102623	0.26450604	0.00000000	0.13703918	0.00168390	0.01903335	0.00070283	-	-	0.00000000	0.01871520	0.00085405	0.02180235	0.00000000	0.00000000	0.03379406	0.01985837
TOTOHLINES	DISTSEC		0.46897377	0.31853937	-	0.11497641	0.00145847	-	-	-	-	-	0.01267634	0.00053641	-	-	-	-	-
TOTOHLINES	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	TOTAL		1.00000000	0.58304541	0.00000000	0.25201559	0.00314237	0.01903335	0.00070283	-	-	0.00000000	0.03139154	0.00139046	0.02180235	0.00000000	0.00000000	0.03379406	0.01985837
366 Underground Conduit	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	DISTPRI		7,883,484	3,926,791	0	2,034,450	24,999	282,564	10,434	-	0	277,841	12,679	323,672	0	-	0	501,698	294,812
366 Underground Conduit	DISTSEC		5,194,625	3,528,326	-	1,273,545	16,155	-	-	-	-	140,410	5,942	-	-	-	-	-	-
366 Underground Conduit	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	TOTAL		13,078,108	7,455,117	0	3,307,995	41,154	282,564	10,434	-	0	418,252	18,621	323,672	0	-	0	501,698	294,812
367 Underground Lines	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	DISTPRI		24,983,993	12,444,615	0	6,447,489	79,225	895,491	33,067	-	0	880,522	40,182	1,025,768	0	-	0	1,589,960	934,307
367 Underground Lines	DISTSEC		16,462,578	11,181,818	-	4,036,064	51,197	-	-	-	-	444,983	18,830	-	-	-	-	-	-
367 Underground Lines	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	TOTAL		41,446,571	23,626,433	0	10,483,553	130,422	895,491	33,067	-	0	1,325,505	59,011	1,025,768	0	-	0	1,589,960	934,307
TOTUGLINES	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	DISTPRI		0.60280000	0.30025681	0.00000000	0.15556147	0.00191149	0.02160591	0.00079783	-	-	0.00000000	0.02124476	0.00096948	0.02474916	0.00000000	0.00000000	0.03836169	0.02254243
TOTUGLINES	DISTSEC		0.39720000	0.26978873	-	0.09737992	0.00123526	-	-	-	-	-	0.01073630	0.00045432	-	-	-	-	-
TOTUGLINES	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	TOTAL		1.00000000	0.57004554	0.00000000	0.25294139	0.00314676	0.02160591	0.00079783	-	-	0.00000000	0.03198106	0.00142379	0.02474916	0.00000000	0.00000000	0.03836169	0.02254243
Acct 581-589 (Excluding Severance)	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 581-589	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 581-589	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 581-589	DISTPRI		2,427,747	1,209,269	0	626,516	7,698	87,017	3,213	-	0	85,562	3,905	99,676	0	-	0	154,500	90,789
Acct 581-589	DISTSEC		1,489,326	1,011,589	-	365,132	4,632	-	-	-	-	40,256	1,703	-	-	-	-	-	-
Acct 581-589	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 581-589	CUSTOMER		1,222,589	698,263	-	261,567	412	26,840	1,076	6,691	-	7,770	335	18,289	-	1,832	-	6,169	1,749
Acct 581-589	TOTAL		5,139,661	2,919,122	0	1,253,215	12,742	113,857	4,289	6,691	0	133,588	5,943	117,965	0	1,832	0	160,669	92,537
TOTOXEXP	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOXEXP	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOXEXP	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOXEXP	DISTPRI		0.47235538	0.23528189	0.00000000	0.12189830	0.00149785	0.01693044	0.00062518	-	-	0.00000000	0.01664744	0.00075969	0.01939350	0.00000000	0.00000000	0.03006030	0.01766430
TOTOXEXP	DISTSEC		0.28977119	0.19682024	-	0.07104203	0.00090117	-	-	-	-	-	0.00783250	0.00033144	-	-	-	-	-
TOTOXEXP	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOXEXP	CUSTOMER		0.23787343	0.13585779	-	0.05089181	0.00080818	0.00522213	0.00020928	0.00130179	-	-	0.00151168	0.00006510	0.00355847	-	0.00035635	-	0.00120033
TOTOXEXP	TOTAL		1.00000000	0.56795992	0.00000000	0.24383214	0.00247919	0.02215256	0.00083446	0.00130179	0	0.02599163	0.00115622	0.02295197	0.00000000	0.00035635	0.00000000	0.03126063	0.01900457
Acct 591-598	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 591-598	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 591-598	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 591-598	DISTPRI		9,659,452	4,811,407	0	2,492,765	30,630	346,220	12,785	-	0	340,433	15,535	396,588	0	-	0	614,719	361,227
Acct 591-598	DISTSEC		8,498,526	5,772,423	-	2,083,549	26,430	-	-	-	-	229,715	9,721	-	-	-	-	-	-
Acct 591-598	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 591-598	CUSTOMER		58,196	9,693	-	4,630	7	550	22	137	-	156	7	375	-	38	-	126	36
Acct 591-598	TOTAL		18,216,174	10,593,524	0	4,580,944	57,068	346,770	12,807	137	0	570,304	25,263	396,963	0	38	0	614,846	361,263
TOTMEXP	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTMEXP	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTMEXP	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTMEXP	DISTPRI		0.53026786	0.26412830	0.00000000	0.13684347	0.00168149	0.01900617	0.00070183	-	-	0.00000000	0.01868848	0.00085283	0.02177121	0.00000000	0.00000000	0.03374580	0.01983001
TOTMEXP	DISTSEC		0.46653738	0.31688451	-	0.11437908	0.00145090	-	-	-	-	-	0.01261049	0.00053362	-	-	-	-	-
TOTMEXP	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTMEXP	CUSTOMER		0.00319476	0.00053213	-	0.00025415	0.00000041	0.00003020	0.00000121	0.00000753	-	-	0.00000037	0.00000258	-	0.00000206	-	0.00000694	0.00000197
TOTMEXP	TOTAL		1.00000000	0.58154493	0.00000000	0.25147671	0.00313280	0.01903637	0.00070304	0.00000753	0.00000000	0.03130755	0.00138682	0.02179179	0.00000000	0.00000206	0.00000000	0.03375274	0.01983197
Acct 580-588 (Excl. Severance)	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 580-588	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 580-588	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 580-588	DISTPRI		12,484,703	6,218,675	0	3,221,862	39,589	447,484	16,524	-	0	440,004	20,079	512,585	0	-	0	794,516	466,881
Acct 580-588	DISTSEC		10,231,705	6,949,644															

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
 TWELVE MONTHS ENDING DECEMBER 31, 2020

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ALLOCATOR	FUNCTION	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS_SEC	WSS_SEC OAD	WSS_PRI	WSS_PRI OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD
INPUTS FROM WORKPAPERS																			
TOTOHLINES	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	DISTPRI	-	-	-	0.00000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	DISTSEC	-	-	-	-	0.00489138	-	0.00200326	0.00000000	0.00184647	-	-	-	0.00120196	-	0.00088066	0.00000000	0.00029879	0.00000000
TOTOHLINES	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOHLINES	TOTAL	-	-	-	0.00000000	0.01108140	0.00000000	0.00384972	0.00000000	0.00183995	0.00000000	0.00273343	0.00000000	0.01053195	0.00000000	0.00201496	0.00000117	0.00177109	0.00000000
366 Underground Conduit	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	DISTPRI	-	-	-	0	91,895	0	29,740	0	27,315	0	22,736	0	13,074	0	4,436	0	4,346	0
366 Underground Conduit	DISTSEC	-	-	-	-	54,180	-	20,453	-	-	-	13,314	-	106,903	-	19,009	13	16,375	-
366 Underground Conduit	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366 Underground Conduit	TOTAL	-	-	-	0	146,075	0	50,192	0	27,315	0	36,049	0	119,977	0	23,445	13	20,721	0
367 Underground Lines	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	DISTPRI	-	-	-	0	291,231	0	94,250	0	86,567	0	72,054	0	41,434	0	14,058	0	13,773	0
367 Underground Lines	DISTSEC	-	-	-	-	171,704	-	64,817	-	-	-	42,193	-	338,793	-	60,243	41	51,895	-
367 Underground Lines	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367 Underground Lines	TOTAL	-	-	-	0	462,935	0	159,067	0	86,567	0	114,246	0	380,227	0	74,301	41	65,668	0
TOTUGLINES	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	DISTPRI	-	-	-	0.00000000	0.00702666	0.00000000	0.00227402	0.00000000	0.00208864	0.00000000	0.00173847	0.00000000	0.00099969	0.00000000	0.00033918	0.00000000	0.00033231	0.00000000
TOTUGLINES	DISTSEC	-	-	-	-	0.00414278	-	0.00156387	-	-	-	0.00101800	-	0.00817422	-	0.00145351	0.00000000	0.00125209	-
TOTUGLINES	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTUGLINES	TOTAL	-	-	-	0.00000000	0.01116944	0.00000000	0.00383789	0.00000000	0.00208864	0.00000000	0.00275647	0.00000000	0.00917391	0.00000000	0.00179269	0.00000000	0.00158440	0.00000000
Acct 581-589 (Excluding Severance)	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 581-589	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 581-589	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 581-589	DISTPRI	-	-	-	0	28,300	0	9,158	0	8,412	0	7,002	0	4,026	0	1,366	0	1,338	0
Acct 581-589	DISTSEC	-	-	-	-	15,534	-	5,864	-	-	-	3,817	-	30,650	-	5,450	-	4	4,695
Acct 581-589	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 581-589	CUSTOMER	6,258	3,597	7,765	-	7,079	-	1,623	-	1,158	-	1,158	-	36,979	-	78,599	281	38,733	-
Acct 581-589	TOTAL	6,258	3,597	7,765	0	50,913	0	24,548	0	10,035	0	11,976	0	71,655	0	85,415	284	44,766	0
TOTOXEXP	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOXEXP	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOXEXP	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOXEXP	DISTPRI	-	-	-	0.00000000	0.00550611	0.00000000	0.00178192	0.00000000	0.00163666	0.00000000	0.00136227	0.00000000	0.00078336	0.00000000	0.00026578	0.00000000	0.00026040	0.00000000
TOTOXEXP	DISTSEC	-	-	-	-	0.00302230	-	0.00114090	-	-	-	0.00074267	-	0.00596337	-	0.00106039	0.00000072	0.00091344	-
TOTOXEXP	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOXEXP	CUSTOMER	0.00121761	0.00069989	0.00151076	-	0.00137741	-	0.00185339	-	0.00031586	-	0.00022524	-	0.00719476	-	0.01529260	0.00005461	0.00753613	-
TOTOXEXP	TOTAL	0.00121761	0.00069989	0.00151076	0.00000000	0.00990582	0.00000000	0.00477622	0.00000000	0.00195252	0.00000000	0.00233018	0.00000000	0.01394149	0.00000000	0.01661877	0.00005533	0.00870997	0.00000000
Acct 591-598	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 591-598	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 591-598	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 591-598	DISTPRI	-	-	-	0	112,597	0	36,440	0	33,469	0	27,858	0	16,019	0	5,435	0	5,325	0
Acct 591-598	DISTSEC	-	-	-	-	88,639	-	33,461	-	-	-	21,781	-	174,896	-	31,099	21	26,790	-
Acct 591-598	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 591-598	CUSTOMER	128	74	159	-	138	-	185	-	33	-	23	-	734	-	42,098	183	(1,339)	-
Acct 591-598	TOTAL	128	74	159	0	201,375	0	70,086	0	33,502	0	49,662	0	191,650	0	78,633	205	30,776	0
TOTMXEXP	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTMXEXP	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTMXEXP	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTMXEXP	DISTPRI	-	-	-	0.00000000	0.00618117	0.00000000	0.00200040	0.00000000	0.00183732	0.00000000	0.00152929	0.00000000	0.00087940	0.00000000	0.00029837	0.00000000	0.00029233	0.00000000
TOTMXEXP	DISTSEC	-	-	-	-	0.00486597	-	0.00183687	-	-	-	0.00119571	-	0.00960115	-	0.00170725	0.00000116	0.00147066	-
TOTMXEXP	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTMXEXP	CUSTOMER	0.00000705	0.00000405	0.00000874	-	0.00000758	-	0.00001018	-	0.00000183	-	0.00000127	-	0.00004030	-	0.00023105	0.00001007	(0.0007349)	-
TOTMXEXP	TOTAL	0.00000705	0.00000405	0.00000874	0.00000000	0.01105473	0.00000000	0.00384745	0.00000000	0.00183915	0.00000000	0.00272627	0.00000000	0.01052086	0.00000000	0.00431666	0.00001123	0.00168950	0.00000000
Acct 580-598 (Excl. Severance)	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 580-598	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 580-598	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 580-598	DISTPRI	-	-	-	0	145,530	0	47,098	0	43,258	0	36,006	0	20,705	0	7,025	0	6,883	0
Acct 580-598	DISTSEC	-	-	-	-	106,716	-	40,285	-	-	-	26,223	-	210,564	-	37,442	25	32,253	-
Acct 580-598	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 580-598	CUSTOMER	7,411	4,260	9,195	-	8,377	-	11,271	-										

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
 TWELVE MONTHS ENDING DECEMBER 31, 2020

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ALLOCATOR	FUNCTION	SOURCE	Total	RS	RS OAD	GS-SEC	GS-SEC OAD	GS-PRI	GS-PRI OAD	GS-SUB	GS-SUB OAD	LGS-SEC	LGS-SEC OAD	LGS-PRI	LGS-PRI OAD	LGS-SUB	LGS-SUB OAD	LP-PRI	LP-PRI OAD
INPUTS FROM WORKPAPERS																			
Acct 902-904	TOTAL		2,618,301	2,223,895	-	287,750	411	1,231	49	99	-	1,711	74	1,125	-	57	-	203	58
TOTOX234	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	CUSTOMER		1,000,000	0.84936576	-	0.10989949	0.00015695	0.00046997	0.00001883	0.00003772	-	0.00065358	0.00002814	0.00042972	-	0.00002192	-	0.00007764	0.00002201
TOTOX234	TOTAL		1,000,000	0.84936576	-	0.10989949	0.00015695	0.00046997	0.00001883	0.00003772	-	0.00065358	0.00002814	0.00042972	-	0.00002192	-	0.00007764	0.00002201
Acct 901-905	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	CUSTOMER		3,713,360	3,154,001	-	408,096	583	1,745	70	140	-	2,427	105	1,596	-	81	-	288	82
Acct 901-905	TOTAL		3,713,360	3,154,001	-	408,096	583	1,745	70	140	-	2,427	105	1,596	-	81	-	288	82
EXP_OM_CUSTACCT	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	CUSTOMER		1,000,000	0.84936576	-	0.10989949	0.00015695	0.00046997	0.00001883	0.00003772	-	0.00065358	0.00002814	0.00042972	-	0.00002192	-	0.00007764	0.00002201
EXP_OM_CUSTACCT	TOTAL		1,000,000	0.84936576	-	0.10989949	0.00015695	0.00046997	0.00001883	0.00003772	-	0.00065358	0.00002814	0.00042972	-	0.00002192	-	0.00007764	0.00002201
Acct 454.2 & 454.4	PS_GEN		75,554	35,228	0	16,628	196	2,260	82	213	0	2,448	116	2,919	0	267	0	4,356	2,575
Acct 454.2 & 454.4	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 454.2 & 454.4	TO_TRAN		70,640	30,533	-	17,205	212	2,383	88	330	-	2,329	103	2,714	-	268	-	4,221	2,421
Acct 454.2 & 454.4	DISTPRI		432,113	215,237	0	111,513	1,370	15,488	572	-	0	15,229	695	17,741	-	0	-	27,499	16,159
Acct 454.2 & 454.4	DISTSEC		276,605	187,878	-	67,814	860	-	-	-	-	7,477	316	-	-	-	-	-	-
Acct 454.2 & 454.4	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 454.2 & 454.4	CUSTOMER		132,192	74,633	-	20,655	32	1,566	63	391	-	475	20	1,067	-	107	-	360	102
Acct 454.2 & 454.4	TOTAL		987,104	543,508	0	233,815	2,670	21,697	805	934	0	27,957	1,251	24,442	0	642	0	36,436	21,257
UNCOLFAC	PS_GEN		0.07654091	0.03568791	0	0.01684557	0.00019853	0.00228933	0.00008326	0.00021625	0	0.00247971	0.00011739	0.00295742	0	0.00027065	0	0.00441300	0.00260856
UNCOLFAC	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCOLFAC	TO_TRAN		0.07156279	0.03093171	-	0.01742954	0.00021444	0.00241384	0.00008965	0.00033389	-	0.00235900	0.00010459	0.00274965	-	0.00027112	-	0.00427610	0.00245257
UNCOLFAC	DISTPRI		0.43775841	0.21804901	0	0.11297004	0.00138814	0.01569039	0.00057939	-	-	0.01542812	0.00007040	0.01797305	-	0	-	0.02785858	0.01637050
UNCOLFAC	DISTSEC		0.28021885	0.19033204	-	0.06870013	0.00087146	-	-	-	-	0.00757430	0.00032051	-	-	-	-	-	-
UNCOLFAC	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCOLFAC	CUSTOMER		0.13391904	0.07560812	-	0.02092450	0.00003215	0.00158658	0.00006358	0.00039584	-	0.00048133	0.00002073	0.00108122	-	0.00010836	-	0.00036474	0.00010340
UNCOLFAC	TOTAL		1.00000000	0.55060880	0	0.23686977	0.00270472	0.02198015	0.00081588	0.00094598	0	0.02832246	0.00126727	0.02476135	0	0.00065012	0	0.03691242	0.02153503
Acct 907-916	PS_GEN		495,910	231,223	0	109,143	1,286	14,833	539	1,401	0	16,066	761	19,161	0	1,754	0	28,592	16,901
Acct 907-916	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	CUSTOMER		2,462,092	2,091,216	-	270,583	386	1,157	46	93	-	1,609	69	1,058	-	54	-	191	54
Acct 907-916	TOTAL		2,958,002	2,322,439	0	379,725	1,673	15,990	586	1,494	0	17,675	830	20,219	0	1,807	0	28,783	16,955
EXP_OM_CUSTSERV	PS_GEN		0.16765041	0.07816855	0.00000000	0.03689748	0.00043484	0.00501441	0.00018236	0.00047366	0.00000000	0.00543140	0.00025713	0.00647776	0.00000000	0.00059281	0.00000000	0.00966595	0.00571362
EXP_OM_CUSTSERV	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	CUSTOMER		0.83234959	0.70696924	-	0.09147480	0.00013064	0.00039118	0.00001568	0.00003139	-	0.00054400	0.00002343	0.00035768	-	0.00001824	-	0.00006462	0.00001832
EXP_OM_CUSTSERV	TOTAL		1.00000000	0.78513779	0.00000000	0.12837227	0.00056548	0.00540559	0.00019804	0.00050505	0.00000000	0.00597541	0.00028055	0.00683543	0.00000000	0.00061105	0.00000000	0.00973058	0.00573194
O&M Expense	PS_GEN		99,798,754	46,523,729	0	21,977,093	258,265	2,988,092	108,390	283,117	0	3,235,840	152,596	3,857,817	0	353,209	0	5,757,201	3,390,689
O&M Expense	PS_TRAN		33,349,223	17,232,828	0	7,990,430	0	1,082,628	0	92,960	-	1,084,438	0	1,309,460	-	122,391	-	1,927,340	0
O&M Expense	TO_TRAN		3,948,856	1,704,091	-	966,915	11,589	134,471	4,879	19,115	-	131,145	5,612	152,358	-	15,085	-	237,186	131,526
O&M Expense	DISTPRI		13,443,612	6,680,536	0	3,474,770	42,362	483,289	17,719	-	0	474,908	21,439	552,688	-	0	-	856,949	488,433
O&M Expense	DISTSEC		10,988,583	7,460,184	-	2,637,893	34,012	-	-	-	-	297,827	12,488	-	-	-	-	-	-
O&M Expense	ENERGY		73,561,319	34,164,555	-	17,109,362	2,347,612	-	-	285,339	-	3,145,457	-	3,641,375	-	315,785	-	5,615,328	-
O&M Expense	CUSTOMER		8,988,286	7,152,918	-	1,146,421	1,679	37,992	1,509	8,990	-	14,806	631	26,640	-	2,517	-	8,494	2,376
O&M Expense	TOTAL		244,078,632	120,928,842	0	55,362,884	347,906	7,074,084	132,496	689,521	0	8,384,220	192,765	9,540,339	0	808,987	0	14,402,498	4,023,024
EXP_OM	PS_GEN																		

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
 TWELVE MONTHS ENDING DECEMBER 31, 2020

ALLOCATOR	FUNCTION	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS_SEC	WSS_SEC OAD	WSS_PRI	WSS_PRI OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD
INPUTS FROM WORKPAPERS																			
Acct 902-904	TOTAL	82	43	29	-	2,784	-	3,907	-	99	-	240	-	14,233	-	77,557	-	31	2,635
TOTOX234	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTOX234	CUSTOMER	0.00003126	0.00001651	0.00001102	-	0.00106311	-	0.00149206	-	0.00003770	-	0.00009164	-	0.00543584	-	0.02962106	-	0.00001166	0.00100641
TOTOX234	TOTAL	0.00003126	0.00001651	0.00001102	-	0.00106311	-	0.00149206	-	0.00003770	-	0.00009164	-	0.00543584	-	0.02962106	-	0.00001166	0.00100641
Acct 901-905	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 901-905	CUSTOMER	116	61	41	-	3,948	-	5,541	-	140	-	340	-	20,185	-	109,994	-	43	3,737
Acct 901-905	TOTAL	116	61	41	-	3,948	-	5,541	-	140	-	340	-	20,185	-	109,994	-	43	3,737
EXP_OM_CUSTACCT	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTACCT	CUSTOMER	0.00003126	0.00001651	0.00001102	-	0.00106311	-	0.00149206	-	0.00003770	-	0.00009164	-	0.00543584	-	0.02962106	-	0.00001166	0.00100641
EXP_OM_CUSTACCT	TOTAL	0.00003126	0.00001651	0.00001102	-	0.00106311	-	0.00149206	-	0.00003770	-	0.00009164	-	0.00543584	-	0.02962106	-	0.00001166	0.00100641
Acct 454.2 & 454.4	PS_GEN	2,220	2,685	1,697	0	639	0	269	0	248	0	120	0	251	0	72	0	66	0
Acct 454.2 & 454.4	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 454.2 & 454.4	TO_TRAN	2,384	2,996	811	-	805	-	250	-	230	-	201	-	116	-	22	-	21	-
Acct 454.2 & 454.4	DISTPRI	-	-	-	-	5,037	0	1,630	0	1,497	0	1,246	0	717	0	243	0	238	0
Acct 454.2 & 454.4	DISTSEC	-	-	-	-	2,885	-	1,089	-	-	-	709	-	5,692	-	1,012	-	872	-
Acct 454.2 & 454.4	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 454.2 & 454.4	CUSTOMER	365	210	453	-	465	-	629	-	95	-	72	-	2,337	-	18,621	-	68	9,404
Acct 454.2 & 454.4	TOTAL	4,970	5,891	2,961	0	8,331	0	3,867	0	2,069	0	2,348	0	9,112	0	19,969	0	69	10,602
UNCOLFAC	PS_GEN	0.00224939	0.00271988	0.00171876	0	0.00064692	0	0.00227215	0	0.00025075	0	0.00012144	0	0.00025381	0	0.00007289	0.00000004	0.00006732	0
UNCOLFAC	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCOLFAC	TO_TRAN	0.00241501	0.00303496	0.00082145	-	0.00081594	-	0.00025359	-	0.00023255	-	0.000020317	-	0.00011703	-	0.00002179	-	0.00002120	-
UNCOLFAC	DISTPRI	-	-	-	0	0.00510282	0	0.00165141	0	0.00151678	0	0.00072598	0	0.00024632	0	0.00000000	0.000024133	-	0
UNCOLFAC	DISTSEC	-	-	-	-	0.00029267	-	0.00110329	-	-	-	0.00071819	-	0.00576679	-	0.00102543	-	0.00000070	0.00008533
UNCOLFAC	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCOLFAC	CUSTOMER	0.00037024	0.00021282	0.00045938	-	0.00047149	-	0.00063747	-	0.00009594	-	0.00007303	-	0.00236792	-	0.01886394	-	0.00005915	0.00952712
UNCOLFAC	TOTAL	0.00503464	0.00596765	0.00299959	0	0.00995984	0	0.00391791	0	0.00209603	0	0.00237831	0	0.00923153	0	0.02023036	0.00006988	0.01074030	0
Acct 907-916	PS_GEN	14,574	17,622	11,136	0	4,191	0	1,763	0	1,625	0	787	0	1,644	0	472	0	436	0
Acct 907-916	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acct 907-916	CUSTOMER	77	41	27	-	2,617	-	3,674	-	93	-	226	-	13,384	-	72,930	-	29	2,478
Acct 907-916	TOTAL	14,651	17,663	11,163	0	6,809	0	5,437	0	1,717	0	1,012	0	15,028	0	73,402	0	29	2,914
EXP_OM_CUSTSERV	PS_GEN	0.00492693	0.00595745	0.00376467	0.00000000	0.00141697	0.00000000	0.00059610	0.00000000	0.00054923	0.00000000	0.00026598	0	0.00055592	0.00000000	0.00015965	0.00000009	0.00014745	0.00000000
EXP_OM_CUSTSERV	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXP_OM_CUSTSERV	CUSTOMER	0.00002602	0.00001374	0.00000918	-	0.00088488	-	0.00124192	-	0.00003138	-	0.00007628	-	0.00452452	-	0.02465508	-	0.00000970	0.00038769
EXP_OM_CUSTSERV	TOTAL	0.00495295	0.00597119	0.00377384	0.00000000	0.00230185	0.00000000	0.00183902	0.00000000	0.00058062	0.00000000	0.00034226	0	0.00508044	0.00000000	0.00481473	0.00000979	0.00098514	0.00000000
O&M Expense	PS_GEN	2,933,898	3,535,538	2,245,231	0	843,553	0	355,257	0	327,432	0	158,560	0	330,078	0	95,182	52	87,933	0
O&M Expense	PS_TRAN	1,009,125	0	805,169	0	297,158	0	113,537	0	105,182	0	51,999	0	124,577	0	0	0	0	0
O&M Expense	TO_TRAN	133,681	162,824	46,105	0	45,056	0	14,142	0	13,006	0	11,357	0	6,306	0	1,219	0	1,190	0
O&M Expense	DISTPRI	-	-	-	0	156,750	0	50,883	0	38,928	0	22,134	0	7,597	0	7,450	0	7,450	0
O&M Expense	DISTSEC	-	-	-	-	114,658	-	43,386	-	46,776	-	28,258	-	224,906	-	40,357	-	34,787	-
O&M Expense	ENERGY	2,679,704	-	1,814,700	-	723,283	-	382,653	-	348,674	-	161,008	-	310,213	-	229,164	-	286,506	-
O&M Expense	CUSTOMER	8,260	4,675	10,104	-	16,912	-	23,271	-	2,168	-	86,902	-	369,286	-	635	-	58,733	-
O&M Expense	TOTAL	6,764,668	3,703,038	4,921,308	0	2,197,371	0	983,128	0	843,441	0	452,878	0	1,024,069	0	823,854	714	476,599	0
EXP_OM	PS_GEN	0.001202030	0.01448524	0.00919880	0	0.00345607	0	0.00145550	0	0.00134150	0	0.00064963	0	0.00135234	0	0.00038996	0.00000000	0.00000000	0.00036027
EXP_OM	PS_TRAN	0.00413442	0.00000000	0.00329881	0	0.00121747	0	0.00046517	0	0.00043094	0	0.00021304	0	0.00051040	0	0.00000000	0.00000000	0.00000000	0.00000000
EXP_OM	TO_TRAN	0.00054770	0.0																

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
COST-OF-SERVICE STUDY
TWELVE MONTHS ENDING DECEMBER 31, 2020

Case No.: U-20359 MRE 408
 Exhibit No.: I-42
 Exhibit A-16, F-1.1 (Class Allocators)
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ALLOCATOR	FUNCTION	SOURCE	Total	RS	RS OAD	GS-SEC	GS-SEC OAD	GS-PRI	GS-PRI OAD	GS-SUB	GS-SUB OAD	LGS-SEC	LGS-SEC OAD	LGS-PRI	LGS-PRI OAD	LGS-SUB	LGS-SUB OAD	LP-PRI	LP-PRI OAD
INPUTS FROM WORKPAPERS																			
LABOR_M	CUSTOMER		0.08072986	0.0696905	-	0.00943096	0.00001364	0.00015671	0.00000628	0.00003310	-	0.00008421	0.00000363	0.00011500	-	0.00000993	-	0.00003374	0.00000956
LABOR_M	TOTAL		1.00000000	0.50403466	0	0.21596748	0.00234344	0.02699659	0.00093190	0.00250025	0	0.03028039	0.00132995	0.03472154	0	0.00299703	0	0.05198646	0.02863368
RBASE WP-GF-1 CCOS Inputs			299,367,496	147,936,970	0	71,810,305	363,816	9,249,440	161,642	1,009,020	0	10,297,152	172,626	11,096,936	0	930,121	0	16,736,788	3,506,571
Initial RBASE			299,367,496	147,936,970	0	71,810,305	363,816	9,249,440	161,642	1,009,020	0	10,297,152	172,626	11,096,936	0	930,121	0	16,736,788	3,506,571
Initial Other Revenue			52,068,340	27,474,106	0	14,406,690	90,490	1,955,342	37,179	272,708	0	2,525,083	44,639	2,877,226	0	252,772	0	4,504,186	1,023,564
Initial Total Expense			319,172,568	157,267,173	0	73,513,222	493,744	9,396,001	195,245	951,081	0	10,938,639	264,333	12,255,677	0	1,030,803	0	18,517,954	5,528,067
Net Operating Income			41,708,269	18,143,903	(0)	12,703,773	(39,438)	1,808,781	3,576	330,646	(0)	1,883,597	(47,068)	1,718,485	(0)	152,090	(0)	2,723,020	(997,931)
RATEBASE	PS_GEN		0.46911845	0.21872474	(0)	0.10325560	0.00121635	0.01403356	0.00051016	0.00132623	(0)	0.01520003	0.00071915	0.01812729	(0)	0.00165904	(0)	0.02704958	0.01598021
RATEBASE	PS_TRAN		(0.00042015)	(0.00073390)	(0)	(0.00034029)	(0.00000000)	(0.00004611)	(0.00000000)	(0.00000396)	(0)	(0.00004618)	(0.00000000)	(0.00005576)	(0)	(0.00000521)	(0)	(0.00000000)	(0.00000000)
RATEBASE	TO_TRAN		0.16322594	0.07314329	(0)	0.04121994	0.00050892	0.00570902	0.00021195	0.00079006	(0)	0.00557912	0.00024721	0.00650265	(0)	0.00064121	(0)	0.01102474	0.00579692
RATEBASE	DISTPRI		0.17649210	0.08709715	-	0.04555035	0.00055947	0.00632697	0.00023354	-	-	0.00622100	0.00028372	0.00724677	-	-	-	0.01123283	0.00659701
RATEBASE	DISTSEC		0.11339509	0.07701836	-	0.02780342	0.00035253	-	-	-	-	0.00306550	0.00012964	-	-	-	-	-	-
RATEBASE	ENERGY		0.01532211	0.00711578	-	0.00356383	-	0.00048903	-	0.00005946	-	0.00065211	-	0.00075848	-	0.00006578	-	0.00116965	-
RATEBASE	CUSTOMER		0.05786546	0.03389175	-	0.00885659	0.00001355	0.00063927	0.00002561	0.00001592	-	0.00019605	0.00000844	0.00043608	-	0.00004361	-	0.00014682	0.00004160
RATEBASE	TOTAL		1.00000000	0.49706724	0	0.22990945	0.00264882	0.02715174	0.00098125	0.00233101	0	0.03087072	0.00138816	0.03301550	0	0.00240443	0	0.04962954	0.02841574
NOI - Reclass	PS_GEN		19,196,769	7,983,871	(0)	5,705,445	(18,110)	934,881	1,859	841	(0)	927,440	(24,384)	943,541	(0)	104,941	(0)	1,484,127	(561,208)
NOI - Reclass	PS_TRAN		(66,152)	(26,785)	(0)	(18,803)	(0)	(3,072)	(0)	(562)	(0)	(2,818)	(0)	(2,903)	(0)	(330)	(0)	(4,503)	(0)
NOI - Reclass	TO_TRAN		9,907,235	2,669,870	(0)	2,277,631	(7,547)	380,321	772	112,067	(0)	340,413	(8,320)	338,469	(0)	40,559	(0)	554,855	(203,582)
NOI - Reclass	DISTPRI		7,501,265	3,208,779	(0)	2,516,910	(8,330)	421,487	851	-	(0)	379,578	(9,682)	377,201	(0)	-	(0)	616,311	(231,680)
NOI - Reclass	DISTSEC		4,639,889	2,811,317	-	1,536,293	(5,249)	-	-	-	-	187,044	(4,396)	-	-	-	-	-	-
NOI - Reclass	ENERGY		735,191	259,740	-	196,921	-	32,578	-	8,434	-	39,978	-	39,479	-	4,161	-	64,175	-
NOI - Reclass	CUSTOMER		2,794,071	1,237,112	-	489,376	(202)	42,587	93	22,585	-	11,962	(286)	22,698	-	2,759	-	8,056	(1,461)
NOI - Reclass	TOTAL		41,708,269	18,143,903	(0)	12,703,773	(39,438)	1,808,781	3,576	330,646	(0)	1,883,597	(47,068)	1,718,485	(0)	152,090	(0)	2,723,020	(997,931)
Total Expenses	PS_GEN		147,828,219	68,588,531	0	33,052,092	359,708	4,547,539	154,152	464,428	0	4,895,947	207,920	5,782,356	0	535,668	0	8,654,912	4,613,471
Total Expenses	PS_TRAN		33,552,927	17,340,610	0	8,038,232	0	1,088,926	0	93,399	0	1,090,835	0	1,317,355	0	123,109	0	1,938,881	0
Total Expenses	TO_TRAN		11,201,044	4,731,153	0	2,936,096	23,695	429,297	11,278	80,157	0	408,619	9,914	455,909	0	47,464	0	718,958	230,031
Total Expenses	DISTPRI		22,991,565	11,289,997	0	6,138,962	61,702	877,572	27,266	-	-	850,721	29,410	968,354	-	-	-	1,512,019	681,054
Total Expenses	DISTSEC		17,132,858	11,517,301	-	4,340,336	46,420	-	-	-	-	484,741	16,212	-	-	-	-	-	-
Total Expenses	ENERGY		74,322,590	34,490,284	-	17,295,254	-	2,375,012	-	290,194	-	3,180,918	-	3,680,110	-	319,395	-	5,676,184	-
Total Expenses	CUSTOMER		12,698,365	9,333,296	-	1,714,249	2,218	77,655	2,548	22,903	-	877	51,593	877	-	5,167	-	17,000	3,511
Total Expenses	TOTAL		319,172,568	157,267,173	0	73,513,222	493,744	9,396,001	195,245	951,081	0	10,938,639	264,333	12,255,677	0	1,030,803	0	18,517,954	5,528,067
Total Revenue	PS_GEN		167,024,988	76,572,402	(0)	38,757,537	341,598	5,482,420	156,012	652,550	0	5,823,387	183,537	6,725,897	(0)	640,609	(0)	10,139,040	4,052,262
Total Revenue	PS_TRAN		33,486,775	17,313,825	0	8,019,429	0	1,085,854	0	92,837	0	1,088,017	0	1,314,452	0	122,779	0	1,934,378	0
Total Revenue	TO_TRAN		18,108,279	7,401,023	0	5,213,727	16,148	809,618	12,051	192,224	0	1,499,032	1,532	794,378	0	88,023	0	1,273,813	26,449
Total Revenue	DISTPRI		30,492,831	14,474,776	(0)	6,653,872	53,372	1,299,059	28,117	-	(0)	1,230,299	19,790	1,345,554	(0)	-	(0)	2,128,330	449,374
Total Revenue	DISTSEC		21,772,747	14,328,619	-	5,876,629	41,171	-	-	-	-	671,785	11,816	-	-	-	-	-	-
Total Revenue	ENERGY		76,057,781	34,750,024	-	17,492,172	-	2,407,589	-	298,628	-	3,220,896	-	3,719,590	-	323,556	-	5,740,359	-
Total Revenue	CUSTOMER		15,492,436	10,570,408	-	2,203,625	2,016	120,242	2,642	45,489	-	38,820	591	74,292	-	7,926	-	25,055	2,050
Total Revenue	TOTAL		361,435,836	175,011,076	(0)	86,216,995	454,306	11,204,782	198,821	1,281,728	0	12,822,235	217,265	13,974,162	(0)	1,182,893	(0)	21,240,974	4,530,135
Total Other Revenue	PS_GEN		3,050,848	1,419,179	0	676,513	7,681	92,484	3,253	9,077	0	99,884	4,495	118,570	0	10,915	0	177,189	99,817
Total Other Revenue	PS_TRAN		(22,454,490)	(11,603,031)	(0)	(5,380,094)	(0)	(728,957)	(0)	(62,595)	(0)	(730,173)	(0)	(881,681)	(0)	(82,408)	(0)	(1,297,711)	(0)
Total Other Revenue	TO_TRAN		26,016,453	11,244,059	0	6,338,496	77,862	878,050	32,565	121,657	0	857,994	37,960	999,878	0	98,613	0	1,555,052	890,120
Total Other Revenue	DISTPRI		1,444,154	904,205	0	309,634	2,983	34,492	1,227	-	0	34,064	1,466	38,763	0	-	0	60,404	33,418
Total Other Revenue	DISTSEC		1,031,731	793,562	-	199,853	1,892	-	-	-	-	18,895	675	-	-	-	-	-	-
Total Other Revenue	ENERGY		52,511,609	24,388,528	-	12,213,414	-	1,675,813	-	203,674	-	2,245,355	-	2,599,380	-	225,420	-	4,008,469	-
Total Other Revenue	CUSTOMER		468,035	327,604	-	58,874	71	3,460	134	894	-	1,064	43	2,315	-	233	-	784	209
Total Other Revenue	TOTAL		62,068,340	27,474,106	(0)	14,406,690	90,490	1,955,342	37,179	272,708	(0)	2,525,083	44,639	2,877,226	(0)	252,772	(0)	4,504,186	1,023,564
Firm Sales Revenue	PS_GEN		163,974,139	75,153,222	(0)	38,081,024	353,918	5,389,935	152,758	643,472	0	5,723,503	179,042	6,607,326	(0)	629,694	(0)	9,961,851	3,952,445
Firm Sales Revenue	PS_TRAN		55,941,265	28,916,856	0	13,399,523	0	1,814,811	0	155,432	0	1,818,190	0	2,196,133	0	205,188	0	3,232,089	0
Firm Sales Revenue	TO_TRAN		(7,908,174)	(3,843,036)	(0)	(1,124,769)	(61,715)	(68,432)	(20,514)	70,567	(0)	(108,962)	(36,428)	(205,500)	(0)	(10,590)	(0)	(281,239)	(863,671)
Firm Sales Revenue	DISTPRI		29,048,677	13,570,571	(0)	6,344,238	50,389	1,264,567	26,890	-	(0)	1,196,234	18,324	1,306,791	(0)	-	(0)	2,067,326	415,956
Firm Sales Revenue	DISTSEC		20,741,016	13,535,057	-	5,686,776	39,279	-	-	-	-	654,889	11,141	-	-	-	-	-	-
Firm Sales Revenue	ENERGY		22,546,172	10,361,496	-	5,278,781	-	731,776	-	94,954	-	975,541	-	1,120,209	-	98,136	-	1,731,890	-
Firm Sales Revenue																			

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
 TWELVE MONTHS ENDING DECEMBER 31, 2020

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ALLOCATOR	FUNCTION	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS_SEC	WSS_SEC OAD	WSS_PRI	WSS_PRI OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD
INPUTS FROM WORKPAPERS																			
LABOR_M	CUSTOMER	0.00003066	0.00001751	0.00003596	-	0.00011181	-	0.00015507	-	0.00001018	-	0.00002111	-	0.00057529	-	0.00273399	0.00000282	0.00024264	-
LABOR_M	TOTAL	0.02497371	0.02824865	0.01842631	0	0.00828228	0	0.00352274	0	0.00296780	0	0.00164419	0	0.00414852	0	0.00382016	0.00000331	0.00123897	0
RBASE		7,311,060	3,090,223	6,329,164	0	2,633,518	0	1,245,716	0	1,038,722	0	615,670	0	1,000,599	0	1,838,824	446	992,167	0
Initial RSALE		7,311,060	3,090,223	6,329,164	0	2,633,518	0	1,245,716	0	1,038,722	0	615,670	0	1,000,599	0	1,838,824	446	992,167	0
Initial Other Revenue		2,202,421	1,206,079	1,123,351	0	657,010	0	307,400	0	276,404	0	163,711	0	153,848	0	276,149	140	237,842	0
Initial Total Expense		8,519,273	5,110,898	6,320,227	0	2,885,985	0	1,294,781	0	1,098,114	0	621,090	0	1,276,729	0	1,428,201	1,493	818,840	0
Net Operating Income		994,209	(814,596)	1,132,288	(0)	404,543	(0)	258,335	(0)	217,012	(0)	158,291	(0)	(122,282)	(0)	686,771	(907)	411,168	(0)
RATEBASE	PS_GEN	0.01378723	0.01666227	0.01053732	0	0.00398500	0	0.00166830	0	0.00153722	0	0.00074444	0	0.00155496	0	0.00044684	0.00000024	0.00041270	0
RATEBASE	PS_TRAN	(0.00004297)	(0.00000000)	(0.00003430)	(0)	(0.00001265)	(0)	(0.00000484)	(0)	(0.00000448)	(0)	(0.00000021)	(0)	(0.00000530)	(0)	(0.00000000)	(0.00000000)	(0.00000000)	(0)
RATEBASE	TO_TRAN	0.00571116	0.00717350	0.00194307	-	0.00192950	-	0.00059978	-	0.00055005	-	0.00048055	-	0.00027863	-	0.00005153	0.00000015	0.00005015	-
RATEBASE	DISTPRI	-	-	-	0	0.00202575	0	0.00066592	0	0.00061167	0	0.00050912	0	0.00029258	0	0.00009983	0.00000000	0.00009733	0
RATEBASE	DISTSEC	-	-	-	0	0.00118274	0	0.00044655	0	0.00042969	0	0.00023373	0	0.00041506	0	0.00000028	0.00003576	-	0
RATEBASE	ENERGY	0.00055816	-	0.00037805	-	0.00015065	-	0.00007971	-	0.00007263	-	0.00003367	-	0.00004772	-	0.00006462	-	0.00005969	-
RATEBASE	CUSTOMER	0.00014882	0.00008549	0.00018458	-	0.00019373	-	0.00002619	-	0.00003870	-	0.00002971	-	0.00009736	-	0.00076504	0.00002764	0.00380373	-
RATEBASE	TOTAL	0.02016241	0.02392126	0.01300872	0	0.00946631	0	0.00371762	0	0.00280579	0	0.00208596	0	0.00547258	0	0.00873643	0.00002817	0.00478116	0
NOI - Re-class	PS_GEN	679,849	(567,404)	917,176	(0)	169,444	(0)	115,929	(0)	118,895	(0)	56,491	(0)	35,126	(0)	35,126	(8)	35,491	(0)
NOI - Re-class	PS_TRAN	(2,119)	-	(2,985)	0	(541)	0	(336)	0	(347)	0	(168)	0	118	0	(0)	0	(0)	0
NOI - Re-class	TO_TRAN	281,618	(244,281)	169,126	0	87,921	0	41,678	0	42,543	0	36,466	0	(6,181)	0	4,051	0	4,313	0
NOI - Re-class	DISTPRI	-	-	-	(0)	(87,921)	(0)	(41,678)	(0)	(42,543)	(0)	(36,466)	(0)	(6,181)	(0)	(4,051)	(0)	(4,313)	(0)
NOI - Re-class	DISTSEC	-	-	-	0	50,544	0	31,031	0	31,031	0	22,059	0	(52,124)	0	32,628	(9)	30,749	0
NOI - Re-class	ENERGY	27,523	-	32,906	-	6,438	-	5,539	-	5,618	-	2,555	-	1,066	-	5,080	-	5,133	-
NOI - Re-class	CUSTOMER	7,338	(2,911)	16,066	-	8,279	-	18,220	-	2,993	-	2,255	-	(21,747)	-	602,078	(890)	327,112	-
NOI - Re-class	TOTAL	994,209	(814,596)	1,132,288	(0)	404,543	(0)	258,335	(0)	217,012	(0)	158,291	(0)	(122,282)	(0)	686,771	(907)	411,168	(0)
Total Expenses	PS_GEN	4,384,809	4,816,550	3,489,366	0	1,251,946	0	542,272	0	503,861	0	243,631	0	455,818	0	146,659	70	136,515	0
Total Expenses	PS_TRAN	1,015,249	-	809,614	0	299,990	0	114,193	0	105,778	0	52,294	0	125,463	0	0	0	0	0
Total Expenses	TO_TRAN	394,953	287,324	159,965	-	129,005	-	45,702	-	43,422	-	37,690	-	12,211	-	4,691	-	4,110	-
Total Expenses	DISTPRI	-	-	-	0	268,232	0	93,033	0	93,033	0	72,261	0	31,505	0	14,193	0	14,157	0
Total Expenses	DISTSEC	-	-	-	0	179,491	0	71,931	0	71,931	0	47,473	0	301,086	0	68,178	35	59,654	0
Total Expenses	ENERGY	2,707,689	-	1,838,511	-	730,499	-	387,197	-	353,009	-	163,601	-	230,393	-	314,097	-	290,244	-
Total Expenses	CUSTOMER	16,574	7,024	22,772	-	27,822	-	40,453	-	4,917	-	4,140	-	120,254	-	880,984	1,388	314,161	-
Total Expenses	TOTAL	8,519,273	5,110,898	6,320,227	0	2,885,985	0	1,294,781	0	1,098,114	0	621,090	0	1,276,729	0	1,428,201	1,493	818,840	0
Total Revenue	PS_GEN	5,064,658	4,249,146	4,406,541	(0)	1,421,390	(0)	622,756	(0)	300,122	(0)	300,122	(0)	421,073	(0)	181,784	63	172,006	(0)
Total Revenue	PS_TRAN	1,013,130	-	806,629	0	298,449	0	113,857	0	105,431	0	52,126	0	125,581	0	0	0	0	0
Total Revenue	TO_TRAN	676,570	43,043	329,091	-	211,462	-	87,380	-	85,965	-	74,156	-	6,030	-	8,141	-	8,423	-
Total Revenue	DISTPRI	-	-	-	(0)	356,153	(0)	139,308	(0)	134,437	(0)	110,894	(0)	24,968	(0)	22,001	(0)	22,527	(0)
Total Revenue	DISTSEC	-	-	-	0	230,035	0	102,962	0	102,962	0	69,532	0	248,962	0	100,806	26	90,403	0
Total Revenue	ENERGY	2,735,211	-	1,871,416	-	736,337	-	392,736	-	358,626	-	166,155	-	229,326	-	319,178	-	295,377	-
Total Revenue	CUSTOMER	23,912	4,113	38,837	-	36,101	-	58,672	-	7,910	-	6,395	-	98,507	-	1,483,062	497	641,273	-
Total Revenue	TOTAL	9,513,481	4,296,302	7,452,515	(0)	3,290,528	(0)	1,553,116	(0)	1,315,126	(0)	779,381	(0)	1,154,447	(0)	2,114,973	586	1,230,009	(0)
Total Other Revenue	PS_GEN	90,054	104,138	70,171	0	25,810	0	11,011	0	10,186	0	4,929	0	9,780	0	2,963	2	2,747	0
Total Other Revenue	PS_TRAN	(679,459)	(0)	(542,144)	(0)	(200,080)	(0)	(76,447)	(0)	(70,822)	(0)	(35,012)	(0)	(83,876)	(0)	(0)	(0)	(0)	(0)
Total Other Revenue	TO_TRAN	878,137	1,101,513	298,942	-	296,645	-	92,250	-	84,613	-	73,920	-	42,485	-	7,927	-	7,716	-
Total Other Revenue	DISTPRI	-	-	-	0	10,956	0	3,601	0	3,324	0	2,764	0	1,777	0	542	0	532	0
Total Other Revenue	DISTSEC	-	-	-	0	6,341	0	2,431	0	2,431	0	1,589	0	14,244	0	2,280	1	1,867	0
Total Other Revenue	ENERGY	1,912,900	-	1,295,379	-	516,317	-	273,151	-	248,894	-	115,361	-	163,598	-	221,439	-	204,516	-
Total Other Revenue	CUSTOMER	789	429	1,002	-	1,020	-	1,403	-	209	-	160	-	5,839	-	40,998	137	20,365	-
Total Other Revenue	TOTAL	2,202,421	1,206,079	1,123,351	(0)	657,010	(0)	307,400	(0)	276,404	(0)	163,711	(0)	153,848	(0)	276,149	140	237,842	(0)
Firm Sales Revenue	PS_GEN	4,974,603	4,145,008	4,336,370	(0)	1,395,580	(0)	647,190	(0)	312,570	(0)	295,192	(0)	411,293	(0)	178,822	61	169,259	(0)
Firm Sales Revenue	PS_TRAN	1,692,588	-	1,348,773	0	498,529	0	190,304	0	176,253	0	87,138	0	209,458	0	0	0	0	0
Firm Sales Revenue	TO_TRAN	(201,567)	(1,058,469)	30,148	-	(85,183)	-	(4,870)	-	1,352	-	236	-	(36,456)	-	215	-	708	-
Firm Sales Revenue	DISTPRI	-	-	-	(0)	345,197	(0)	135,705	(0)	131,113	(0)	108,130	(0)	23,191	(0)	21,459	(0)	21,995	(0)
Firm Sales Revenue	DISTSEC	-	-	-	0	100,531	0	50,531	0	50,531	0	67,943	0	234,718	0	98,527	25	88,436	0
Firm Sales Revenue	ENERGY	822,312	-	576,037	-	220,621	-	119,585	-	109,732	-	50,794	-	65,729	-	97,738	-	90,861	-
Firm Sales Revenue	CUSTOMER	23,123	3,684	37,835	-	35,081	-	57,270	-	7,702	-	6,235	-	92,667	-	1,442,064	360	620,908	-
Firm Sales Revenue	TOTAL	7,311,060	3,090,223	6,329,164	0	2,633,518	0	1,245,716	0	1,038,722	0	615,670	0	1,000,599	0	1,838,824	446	992,167	0
RSALE	PS_GEN	0.01661705	0.01384589	0.01448511	(0)	0.00466176	(0)	0.00216186	(0)	0.00204621	(0)	0.00098605	(0)	0.00137387	(0)	0.00059733	0.00000020	0.00056539	(0)
RSALE	PS_TRAN	0.00565388	0.00000000	0.00450541	0	0.00166527	0	0.00063569	0	0.00058875	0	0.00029108	0	0.00089967	0	0.00000000	0.00000000	0.00000000	(0)
RSALE	TO_TRAN	(0.00067331)	(0.00353569)	0.00010071	-	(0.00028454)	-	(0.00001627)	-</										

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
 TWELVE MONTHS ENDING DECEMBER 31, 2020

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 Exhibit A-16, F-1.1 (Class Allocators)
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ALLOCATOR	FUNCTION	SOURCE	Total	RS	RS OAD	GS-SEC	GS-SEC OAD	GS-PRI	GS-PRI OAD	GS-SUB	GS-SUB OAD	LGS-SEC	LGS-SEC OAD	LGS-PRI	LGS-PRI OAD	LGS-SUB	LGS-SUB OAD	LP-PRI	LP-PRI OAD
INPUTS FROM WORKPAPERS																			
Production Labor	TOTAL		25,686,767	11,974,031	0	5,671,636	62,818	771,229	26,344	74,118	0	847,387	37,145	1,008,441	0	91,939	0	1,508,398	825,398
PROD_LABOR_M	PS_GEN		0,94285888	0,43961666	0	0,20750986	0,00244554	0,02820083	0,00102558	0,00266384	0	0,03054597	0,00144606	0,03643063	0	0,00333395	0	0,05436091	0,03213318
PROD_LABOR_M	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	ENERGY		0,05714112	0,02653896	-	0,01329007	-	0,00182352	-	0,00022161	-	0,00244328	-	0,00282853	-	0,00024529	-	0,00436183	-
PROD_LABOR_M	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	TOTAL		1,00000000	0,46615562	0	0,22079993	0,00244554	0,03002436	0,00102558	0,00288545	0	0,03298925	0,00144606	0,03925916	0	0,00357924	0	0,05872275	0,03213318
Transmission Labor	PS_GEN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	PS_TRAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	TO_TRAN		1,194,917	516,481	0	291,029	3,581	40,305	1,497	5,575	0	39,389	1,746	45,912	0	4,527	0	71,400	40,952
Transmission Labor	DISTPRI		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	DISTSEC		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	TOTAL		1,194,917	516,481	0	291,029	3,581	40,305	1,497	5,575	0	39,389	1,746	45,912	0	4,527	0	71,400	40,952
TRAN_LABOR_M	PS_GEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	TO_TRAN		1,00000000	0,43223181	-	0,24355584	0,00299652	0,03373042	0,00125273	0,00466566	-	0,03296408	0,00146152	0,03842291	-	0,00378852	-	0,05975316	0,03427164
TRAN_LABOR_M	DISTPRI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	DISTSEC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	CUSTOMER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	TOTAL		1,00000000	0,43223181	-	0,24355584	0,00299652	0,03373042	0,00125273	0,00466566	-	0,03296408	0,00146152	0,03842291	-	0,00378852	-	0,05975316	0,03427164
Distribution Labor	PS_GEN		191,887	89,469	0	42,232	498	5,739	209	542	0	6,217	294	7,414	0	679	0	11,063	6,540
Distribution Labor	PS_TRAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Labor	TO_TRAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Labor	DISTPRI		1,551,147	772,632	0	400,296	4,919	55,597	2,053	0	0	54,668	2,495	63,685	0	0	0	98,714	58,007
Distribution Labor	DISTSEC		1,271,226	863,450	0	311,861	3,953	0	0	0	0	34,361	1,454	0	0	0	0	0	0
Distribution Labor	ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Labor	CUSTOMER		2,625,448	2,175,845	0	306,708	444	5,096	204	1,077	0	2,738	118	3,740	0	323	0	1,097	311
Distribution Labor	TOTAL		5,639,707	3,901,396	0	1,060,897	9,814	66,433	2,466	1,619	0	97,984	4,361	74,840	0	1,001	0	110,874	64,858
DIST_LABOR_M	PS_GEN		0,03402423	0,01586411	0,00000000	0,00748825	0,00008825	0,00101766	0,00003701	0,00009613	0,00000000	0,00110229	0,00005218	0,00131464	0,00000000	0,00012031	0,00000000	0,00196168	0,00115957
DIST_LABOR_M	PS_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_LABOR_M	TO_TRAN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_LABOR_M	DISTPRI		0,27504035	0,13699857	0,00000000	0,07097824	0,00087216	0,00985816	0,00036403	-	0,00000000	0,00969337	0,00044235	0,01129233	0,00000000	-	0,00000000	0,01750334	0,01028547
DIST_LABOR_M	DISTSEC		0,22540638	0,15310197	-	0,05526197	0,00070100	-	-	-	-	0,00609272	0,00025782	-	-	-	-	-	-
DIST_LABOR_M	ENERGY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_LABOR_M	CUSTOMER		0,46552903	0,38580819	-	0,05438368	0,00007867	0,00090367	0,00003621	0,00019088	-	0,00048557	0,00002091	0,00066317	-	0,00005727	-	0,00019456	0,00005515
DIST_LABOR_M	TOTAL		1,00000000	0,69177284	0,00000000	0,18811214	0,00174008	0,01177949	0,00043725	0,00028701	0	0,01737396	0,00077326	0,01327015	0,00000000	0,00017758	0,00000000	0,01965958	0,01150019

INDIANA MICHIGAN POWER COMPANY - MICHIGAN
 COST-OF-SERVICE STUDY
 TWELVE MONTHS ENDING DECEMBER 31, 2020

ALLOCATOR	FUNCTION	LP-SUB	LP-SUB OAD	LP-TRA	LP-TRA OAD	MS	MS OAD	WSS_SEC	WSS_SEC OAD	WSS_PRI	WSS_PRI OAD	EHS	EHS OAD	IS	IS OAD	OL	OL OAD	SL	SL OAD
INPUTS FROM WORKPAPERS																			
Production Labor	TOTAL	765,219	860,621	580,055	0	219,129	0	93,748	0	86,300	0	41,649	0	84,882	0	29,253	13	27,017	0
PROD_LABOR_M	PS_GEN	0.02770885	0.03350445	0.02117233	0	0.00796897	0	0.00335243	0	0.00308887	0	0.00149589	0	0.00312648	0	0.00089787	0	0.00082924	0
PROD_LABOR_M	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	ENERGY	0.00208154	-	0.00140953	-	0.00056184	-	0.00029723	-	0.00027083	-	0.00012553	-	0.00017803	-	0.00024095	-	0.00022254	-
PROD_LABOR_M	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROD_LABOR_M	TOTAL	0.02979039	0.03350445	0.02258186	0	0.00853081	0	0.00364966	0	0.00335970	0	0.00162141	0	0.00330452	0	0.00113882	0	0.00105178	0
Transmission Labor	PS_GEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	PS_TRAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	TO_TRAN	40,325	50,676	13,716	0	13,624	0	4,234	0	3,883	0	3,392	-	1,954	0	364	0	354	0
Transmission Labor	DISTPRI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	DISTSEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Labor	TOTAL	40,325	50,676	13,716	0	13,624	0	4,234	0	3,883	0	3,392	-	1,954	0	364	0	354	0
TRAN_LABOR_M	PS_GEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	TO_TRAN	0.03374675	0.04240972	0.01147870	-	0.01140172	-	0.00354357	-	0.00324964	-	0.00283906	-	0.00163532	-	0.00030443	-	0.00029627	-
TRAN_LABOR_M	DISTPRI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	DISTSEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	CUSTOMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAN_LABOR_M	TOTAL	0.03374675	0.04240972	0.01147870	-	0.01140172	-	0.00354357	-	0.00324964	-	0.00283906	-	0.00163532	-	0.00030443	-	0.00029627	-
Distribution Labor	PS_GEN	5,639	6,819	4,309	0	1,622	0	682	0	629	0	304	0	636	0	183	0	169	0
Distribution Labor	PS_TRAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Labor	TO_TRAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Labor	DISTPRI	0	0	0	0	18,081	0	5,852	0	5,375	0	4,473	0	2,572	0	873	0	855	0
Distribution Labor	DISTSEC	0	0	0	0	13,259	0	5,005	0	3,258	0	3,258	0	26,161	0	4,652	3	4,007	0
Distribution Labor	ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Labor	CUSTOMER	997	570	1,169	0	3,636	0	5,043	0	331	0	394	0	18,709	0	88,913	92	7,891	0
Distribution Labor	TOTAL	6,636	7,388	5,478	0	36,598	0	16,582	0	6,334	0	8,430	0	48,079	0	94,621	95	12,922	0
DIST_LABOR_M	PS_GEN	0.00099991	0.00120905	0.00076403	0.00000000	0.00028757	0.00000000	0.00012098	0.00000000	0.00011147	0.00000000	0.00005398	0.00000000	0.00011282	0.00000000	0.00003240	0.00000002	0.00002992	0.00000000
DIST_LABOR_M	PS_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_LABOR_M	TO_TRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_LABOR_M	DISTPRI	-	-	-	0.00000000	0.00320606	0.00000000	0.00103757	0.00000000	0.00095298	0.00000000	0.00079321	0.00000000	0.00045613	0.00000000	0.00015476	0.00000000	0.00015163	0.00000000
DIST_LABOR_M	DISTSEC	-	-	-	-	0.00235098	-	0.00088748	-	-	-	0.00057771	-	0.00463877	-	0.00082485	0.00000056	0.00071055	-
DIST_LABOR_M	ENERGY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIST_LABOR_M	CUSTOMER	0.00017680	0.00010099	0.00020735	-	0.00064476	-	0.00089422	-	0.00005867	-	0.00006986	-	0.00331740	-	0.01576554	0.00001628	0.00139920	-
DIST_LABOR_M	TOTAL	0.00117671	0.00131004	0.00097138	0.00000000	0.00648938	0.00000000	0.00294025	0.00000000	0.00112313	0.00000000	0.00149476	0.00000000	0.00852512	0.00000000	0.01677756	0.00001686	0.00229129	0.00000000

PROOF OF SERVICE

STATE OF MICHIGAN)

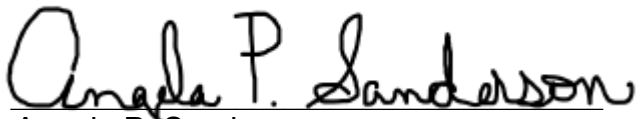
Case No. U-20359

County of Ingham)

Brianna Brown being duly sworn, deposes and says that on January 23, 2020 A.D. she electronically notified the attached list of this **Commission Order via e-mail transmission**, to the persons as shown on the attached service list (Listserv Distribution List).


Brianna Brown

Subscribed and sworn to before me
this 23rd day of January 2020.



Angela P. Sanderson
Notary Public, Shiawassee County, Michigan
As acting in Eaton County
My Commission Expires: May 21, 2024

Service List for Case: U-20359

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