

STATE OF MICHIGAN  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter of the application of	)	
<b>INDIANA MICHIGAN POWER COMPANY</b> for	)	
approval of tariff RS-PEV (Residential Plug-In	)	Case No. U-20282
Electric Vehicle) to provide separate metering to	)	
identify plug-in electric vehicle usage.	)	
_____	)	

At the November 8, 2018 meeting of the Michigan Public Service Commission in Lansing,  
Michigan.

PRESENT: Hon. Sally A. Talberg, Chairman  
Hon. Norman J. Saari, Commissioner  
Hon. Rachael A. Eubanks, Commissioner

**ORDER**

On August 9, 2018, Indiana Michigan Power Company (I&M) filed an application requesting approval of its proposed new residential plug-in electric vehicle tariff (Tariff RS-PEV). According to I&M, this option would allow the company to offer separate metering capable of identifying plug-in electric vehicle (PEV) usage. In addition, I&M proposes to revise the tariff to allow approved time-of-day rates to be billed as an incremental credit to the current residential service tariff (Tariff RS) rate.

On December 2, 2010, the Commission approved I&M's residential off-peak energy storage/plug-in vehicle tariff (Tariff RS-OPES/PEV) in Case No. U-16496. Tariff RS-OPES/PEV is available to standard service customers eligible for Tariff RS who: (1) 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; and/or (2) use charging stations for PEVs programmed to consume electrical energy primarily during off-peak hours specified by the company. Under Tariff RS-OPES/PEV, customers have two options with respect to PEV charging: (1) paying for their entire household usage, including the PEV charging usage, under a time-of-day rate; or (2) paying for their PEV charging usage under a time-of day rate and separately metering and billing all other household usage under a standard, non-time-of-day rate. I&M believes that very few customers elected the separate metering provision, in part, because customers would need to be served through two separate meters and have two separate accounts, one for the Tariff RS service and another for the Tariff RS-OPES/PEV service.

If the company's proposal is approved, I&M will modify Tariff RS-OPES/PEV by removing the PEV options and renaming the existing tariff, Tariff RS-OPES, which will retain the option for customers who use energy storage devices. *See*, Application p. 5; Exhibit IM-2. Further, the two existing PEV metering options contained in the current Tariff RS-OPES/PEV will be moved to the new Tariff RS-PEV and will allow for an additional submetering option to separately measure PEV charging load. Under this option, the customer would be charged under Tariff RS for the customer's full residential load as measured by the primary meter. However, using data from the PEV submeter, the company will increase or decrease the customer's charges to reflect the application of the time-differentiated price differentials of Tariff RS-PEV to the PEV load. The company has indicated that neither the modification nor the new tariff would result in any changes in rates as previously approved by the Commission. *See*, Application, p. 4.

Similar to Case No. U-16496, the company will install up to 250 meters without assessing an additional monthly service charge to advance the collection of PEV usage information as discussed above. All customers, after the first 250, would pay a service charge of \$2.75 per month for the additional meter based upon the approved cost information in Case No. U-18370. *See*, Exhibit IM-3. I&M states that the current experimental electrical vehicle supply equipment (EVSE) option, under which the company will reimburse up to a cumulative total of 250 customers up to \$2,500 toward the purchase of company-approved PEV supply equipment, will continue without modification in Tariff RS-PEV as it exists today in Tariff RS-OPES/PEV.

The Commission finds that the proposed tariff is reasonable and in the public interest. The tariff is optional and voluntary. In addition, removing the PEV provisions from current Tariff RS-OPES/PEV and renaming it Tariff RS-OPES is prudent, given the approval of the new tariff, Tariff RS-PEV. The Commission further finds that the existing accounting authority for the EVSE option is unaffected by the new or modified tariff and, as such, I&M may continue the deferred recovery of the expenses incurred for the limited EVSE reimbursement, as previously approved. The Commission finds that approving proposed Tariff RS-PEV and modifications to the current tariff does not result in any change in the rates or cost of service to customers and, therefore, *ex parte* approval is appropriate.

THEREFORE, IT IS ORDERED that:

A. Indiana Michigan Power Company's proposed residential plug-in electric vehicle tariff, attached as Exhibit A, is approved and shall be effective at the beginning of the next billing cycle.

B. Indiana Michigan Power Company's modified residential off-peak energy storage tariff, attached as Exhibit B, is approved and shall be effective at the beginning of the next billing cycle.

C. Within 30 days, Indiana Michigan Power Company shall file with the Commission tariff sheets consistent with Exhibit A and Exhibit B to this order.

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 notifications should be sent to the Executive Secretary at [mpscedockets@michigan.gov](mailto:mpscedockets@michigan.gov) and to the Michigan Department of the Attorney General - Public Service Division at [pungpl@michigan.gov](mailto: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

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Sally A. Talberg, Chairman

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Norman J. Saari, Commissioner

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Rachael A. Eubanks, Commissioner

By its action of November 8, 2018.

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Kavita Kale, Executive Secretary

M.P.S.C. 16 - ELECTRIC  
INDIANA MICHIGAN POWER COMPANY  
STATE OF MICHIGAN  
(PEV CASE U-20282)

ORIGINAL SHEET NO. D-9.10

**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	5.344	6.574	2.930	14.848
For all off-peak kWh used	-0-	6.574	2.930	9.504

**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. Total residence usage will be billed at Tariff RS Monthly Rates. For all on-peak and off-peak PEV kWh usage an additional Power Supply Capacity charge or credit will apply as follows:

Option 3 Charge/Credit	Power Supply Capacity
Additional PEV Energy Charge (¢ per kWh):	
For all on-peak PEV kWh used	2.338
For all off-peak PEV kWh used	(3.006)

For the purpose of all options under 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.

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.

(Continued on Sheet No. D-9.20)

ISSUED  
BY TOBY L. THOMAS  
PRESIDENT  
FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON  
AND AFTER

ISSUED UNDER AUTHORITY OF THE  
MICHIGAN PUBLIC SERVICE COMMISSION  
DATED  
IN CASE NO. U-20282

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

(Continued From Sheet No. D-9.10)

Experimental Electrical Vehicle Supply Equipment (EVSE) Option

The first 250 customers opting to obtain service under this tariff for the purpose of charging plug-in electric vehicles registered and operable on public highways in the State of Michigan may choose to have the Company reimburse up to \$2,500 toward the purchase of Company approved Electric Vehicle Supply Equipment. EVSE is defined as the charging station including conductors, the ungrounded, grounded, and equipment grounding conductors, the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of delivering electric energy from the premises wiring to the plug-in electric vehicle (if not otherwise provided) and installation costs of a separately metered circuit. All installations shall be performed by a Company approved contractor and must conform to Company specifications. Customers choosing service under the EVSE Option must execute a contract with Company that specifies the terms and conditions of the agreement including proof of purchase of a qualifying PEV.

Minimum Charge

This tariff is subject to a minimum monthly 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-93.00.

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 devices which qualify the residence for service and for EVSE Option reimbursements 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 SERVICE RENDERED ON  
AND AFTER

ISSUED UNDER AUTHORITY OF THE  
MICHIGAN PUBLIC SERVICE COMMISSION  
DATED  
IN CASE NO. U-20282

**M.P.S.C. 16 - ELECTRIC  
INDIANA MICHIGAN POWER COMPANY  
STATE OF MICHIGAN  
(PEV CASE U-20282)**

**FIRST REVISED SHEET NO. D-8.00  
CANCELS ORIGINAL SHEET NO. D-8.00**

**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	5.344	6.574	2.930	14.848
For all off-peak kWh used	-0-	6.574	2.930	9.504

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-93.00.

(Continued on Sheet No. D-9.00)

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

**EFFECTIVE FOR SERVICE RENDERED ON  
AND AFTER**

**ISSUED UNDER AUTHORITY OF THE  
MICHIGAN PUBLIC SERVICE COMMISSION  
DATED  
IN CASE NO. U-20282**



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

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(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.

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ISSUED  
BY TOBY L. THOMAS  
PRESIDENT  
FORT WAYNE, INDIANA

EFFECTIVE FOR SERVICE RENDERED ON  
AND AFTER

ISSUED UNDER AUTHORITY OF THE  
MICHIGAN PUBLIC SERVICE COMMISSION  
DATED  
IN CASE NO. U-20282

# PROOF OF SERVICE

STATE OF MICHIGAN )

Case No. U-20282

County of Ingham )

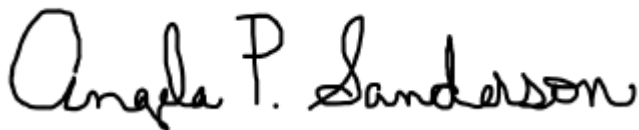
Lisa Felice being duly sworn, deposes and says that on November 8, 2018 A.D. she electronically notified the attached list of this **Commission Order via e-mail transmission**, to the persons as shown on the attached service list (Listserv Distribution List).



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Lisa Felice

Subscribed and sworn to before me  
This 8th day of November 2018



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Angela P. Sanderson  
Notary Public, Shiawassee County, Michigan  
As acting in Eaton County  
My Commission Expires: May 21, 2024

**Service List for Case: U-20282**

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Name	Email Address
Andrew J. Williamson	ajwilliamson@aep.com
Indiana Michigan Power Company 1 of 3	ajwilliamson@aep.com
Indiana Michigan Power Company 2 of 3	msmckenzie@aep.com
Indiana Michigan Power Company 3 of 3	mgobrien@aep.com
Richard J. Aaron	raaron@dykema.com