

Michigan Net Metering Service



Customer Information Package



An **AEP** Company

BOUNDLESS ENERGYSM

Net Metering - The means of measuring the difference between the electricity supplied by an electric utility and the electricity generated from an alternative or renewable energy resource facility owned or operated by an electric retail customer when any portion of the electricity generated by the alternative energy resource facility is used to offset part or all of the electric retail customer requirements for electricity.

This document is intended to provide documents for commonly installed photovoltaic and/or wind turbine generating systems (20 kW or less) that may qualify for Net Metering Service. Documents for larger systems may be requested from Lesley Odom (lkodom@aep.com) at 260-408-3402.

The enclosed Net Metering Service provides detailed information regarding availability of the service, charges, metering, conditions of service, and technical requirements.

Company approval of connecting a generator to its distribution system is required.

Summary of the process:

1. A completed Interconnection Application is submitted to the Company.
2. Company reviews Application.
3. Company will notify customer of approval or disapproval of interconnection and provide any applicable conditions.
4. Company executes Interconnection Agreement thereby granting the customer the right to operate the generator connected to the AEP system.
5. Company may conduct on-site inspections to verify the proper installation and continuing safe operations of the generating facilities.

(Note: Some documents within are dated and subject to change. It may be necessary to contact the Company for the latest documents.)

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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.

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.
 - (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.

(Continued on Sheet No. D-82.00)

ISSUED MAY 9, 2018
BY TOBY L. THOMAS
PRESIDENT
FORT WAYNE, INDIANA

Michigan Public Service Commission
May 10, 2018
Filed _____ DBR _____

**EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER APRIL 26, 2018**

**ISSUED UNDER AUTHORITY OF THE
MICHIGAN PUBLIC SERVICE COMMISSION
DATED APRIL 12, 2018
IN CASE NO. U-18370**

RIDER NMS-1
(Net Metering Service for Customer's With Generating Facilities of 20 kW or Less)

(Continued from Sheet No. D-81.00)

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.

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.

(Continued on Sheet No. D-83.00)

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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-82.00)

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.

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FORT WAYNE, INDIANA

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TECHNICAL REQUIREMENTS

Introduction

This document details the technical requirements for interconnection of generation in accordance with the rules established in Michigan Public Service Commission Case No. U-13745.

These technical requirements relate to the interconnection of a Project to the AEP Distribution System. Interconnection enables the Project to operate in parallel with the AEP Distribution System. An Interconnection Application Screening and Interconnection Study, as described in AEP's Interconnection Procedures, are used to determine the impact of the Project on the AEP Distribution System beyond the Point of Common Coupling.

The standard, IEEE 1547, "Standard for Interconnecting Distributed Resources with Electric Power Systems," contains the majority of the technical requirements necessary for interconnection. IEEE 1547 is limited to an aggregate capacity of 10 MVA or less interconnected at typical primary and/or secondary voltages. IEEE 1547 does not address planning, designing, operating, or maintaining the utility's distribution system and it does not identify or address all of the potential system impact the proposed Project may create beyond the Point of Common Coupling. Due to the limitations of IEEE1547, additional technical requirements are contained herein.

These Technical Requirements are supplementary to and do not intentionally conflict with or supersede applicable laws, ordinances, rules, or regulations established by Federal, State, and other governmental bodies. The Project Developer is responsible for conforming to all applicable laws, ordinances, rules, or regulations established by Federal, State, and other governmental bodies. Additional requirements for interconnection may be imposed by a Regional Transmission Operator, an Independent System Operator, and/or the Transmission Provider to address Transmission System operating issues related to the proposed Project. Additional requirements may also be necessary to comply with the requirements of other approved tariffs associated with AEP or other third parties providing services.

To assure that the safety, reliability, and power quality of the Distribution system is not degraded by the interconnection of the Project:

- (1) The Project shall comply with the Technical Requirements stated herein.
- (2) Any new Distribution System facilities, Distribution System modifications, and/or modifications to the Project identified by the Interconnection Study, as described in the Interconnection Procedures, shall be completed.
- (3) The Project shall be operated and maintained as agreed upon by the parties.

Technical Requirements

The Project shall comply with the requirements specified in IEEE 1547, "Standard for Interconnecting Distributed Resources with Electric Power Systems,"¹ and the other technical requirements stated herein.

¹ IEEE publications are available from the Institute of Electrical and Electronics Engineers, 443 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331 (<http://standards.ieee.org/>).

TECHNICAL REQUIREMENTS

Equipment Design Requirements

Data for all major equipment proposed by the Project Developer to satisfy the Technical Requirements must be submitted for review and approval by AEP with the completed Interconnection Application. To facilitate review and approval, AEP maintains a list of Pre-certified Equipment. The AEP List of Pre-certified Equipment is available upon request and contains Pre-certified Equipment types, makes, and models of manufactured generating equipment and interconnection system components. This listing is based upon equipment certified by recognized national testing laboratories as suitable for interconnection with a distribution system based upon compliance with IEEE Standard 1547. Suitability for interconnection does not imply that Pre-certified Equipment may be interconnected without a study to determine system impact.

The use of equipment that is not Pre-certified may delay AEP's review and approval of the Project Developer's design. Such delay shall not be counted toward the interconnection deadlines.

All interconnection equipment must be approved by AEP prior to being connected to the AEP Distribution System and before parallel operation is allowed.

The interconnection system hardware and software design requirements in the Technical Requirements are intended to assure protection of the AEP Distribution System. It is the sole responsibility of the Project Developer to determine and design any additional hardware and software necessary to protect equipment at the generation facility and to install such protection equipment as deemed to be appropriate.

Interconnection Transformer(s)

If an interconnection transformer is required, the transformer must comply with the applicable current ANSI Standard from the C57.12 series of standards that specifies the requirements for transformers.²

The transformer should have voltage taps on the high and/or low voltage windings sufficient to assure satisfactory generator operation over the range of voltage variation expected on the AEP Distribution System. The Project Developer also needs to assure sufficient voltage regulation at its facility to maintain an acceptable voltage level for its equipment during such periods when its Project is off line.

Circuit Breaker

If a main circuit breaker (or circuit switcher) between the interconnection transformer and the Distribution System is required, the device must comply with the applicable current ANSI Standard from the C37 series of standards that specifies the requirements for circuit breakers, reclosers, and interrupting switches.

Any circuit breaker (or circuit switcher) must have adequate interrupting capability for the maximum expected short circuit duty. AEP will provide information identifying the contribution from the electric system to faults at the proposed site. The Project Developer is responsible to perform the short-circuit study to determine if the protective devices can safely interrupt the short-circuit currents.

² ANSI publications are available from the Sales Department, American National Standards Institute, 25 West 43rd Street, 4th Floor, New York, NY 10036 (<http://www.ansi.org/>)

TECHNICAL REQUIREMENTS

Main Disconnect Switch

A gang-operated disconnecting device must be located at the Point of Common Coupling for all three phase interconnections. The disconnecting device must be accessible to AEP personnel at all times and be suitable for use by AEP as a protective tagging location. The disconnecting device shall have a visible open gap when in the open position and be capable of being locked in the open position.

The device must comply with the applicable current ANSI Standard from the C37 series of standards that specifies the requirements for circuit breakers, reclosers, and interrupting switches.

For facilities interconnecting to the AEP system at voltages exceeding 480 volts, the disconnecting device must have a ground grid designed in accordance with specifications to be provided by AEP. Operation of the device must be restricted to AEP personnel and properly trained operators designated by the Project Developer.

Interconnection Lines

The closest available system voltage as well as equipment and operational constraints influence the chosen point of interconnection. AEP has the ultimate authority to determine the acceptability of a particular interconnection point.

If a new interconnection line is required, the Project Developer shall provide a suitable structure to terminate the interconnection line.

Terminating Structure

The Project Developer is responsible for ensuring that terminating structure or substation structural material strengths are adequate for all requirements, incorporating appropriate safety factors. AEP will provide line tension information for maximum dead-end. The structure must be designed for this maximum line tension along with an adequate margin of safety.

Substation electrical clearances shall comply with requirements of the Michigan Public Service Commission's order of March 29, 1988 in Case No. U-8893, and subsequent orders, adopting the National Electrical Safety Code and its various revisions.

Installation of disconnect switches, bus support insulators, and other equipment shall comply with accepted industry practices.

Surge arresters shall be selected to coordinate with the BIL rating of major equipment components and shall comply with recommendations set forth in the applicable current ANSI Standard C62.2 that specifies the requirements for surge arresters and other surge protection devices.

TECHNICAL REQUIREMENTS

Momentary Paralleling

For situations where the Project will only be operated in parallel with the AEP Distribution System for a short duration (less than 100 milliseconds), as in a make-before-break automatic transfer scheme, the requirements of IEEE 1547 do not apply except as noted in Clause 4.1.4.

Voltage Unbalance

The Project Developer is responsible for operating the proposed Project such that the voltage unbalance attributable to the Project shall not exceed 2.5% at the Point of Common Coupling.³

System Stability and Site Limitations

AEP requires a stability study for Projects if the aggregate generation is greater than 10 MW and in an area where there are known or posted stability limitations to generation located in the general electrical vicinity (e.g., three or four Transmission voltage level busses from the Transmission voltage bus serving the Distribution circuit where the Project proposes to interconnect).

The Project Developer is responsible for evaluating the consequences of unstable Project operation on the equipment at its proposed generation facility, and determining, designing, and applying any measures that may be necessary to protect that equipment from unstable Project operation.

Installation, Maintenance, and Testing

AEP reserves the right to witness Compliance Testing at the time of installation and maintenance testing of the interconnection system for compliance with the requirements of IEEE 1547.

The Project Developer is responsible for the periodic scheduled maintenance on the Project's interconnection system (relays, interrupting devices, control schemes, and batteries that involve the protection of the AEP Distribution System). A periodic maintenance program is to be established in accordance with the requirements of IEEE 1547. AEP may examine copies of the periodic test reports or inspection logs associated with the periodic maintenance program. Upon request, AEP shall be informed of the next scheduled maintenance and be able to witness the maintenance performed and any associated testing.

Each routine maintenance check of the interconnection system shall include both an exact calibration check and an actual trip of the circuit breaker or contactor from the device being tested. For each such test, a record shall be kept indicating the results of the tests made and the "as found" and "as left" relay calibration values. Visually setting, without verification, a calibration dial or tap is not considered an adequate calibration check.

AEP reserves the right, at AEP's initial expense, to install special test equipment as may be required to perform a disturbance analysis and monitor the operation and control of the Project to evaluate the quality of power produced by the Project.

³ Voltage unbalance is the maximum phase deviation from average as specified in ANSI C84.1.

INDIANA MICHIGAN POWER COMPANY

INTERCONNECTION AND PARALLEL OPERATING AGREEMENT FOR CATEGORY 1 PROJECTS (20 kW OR LESS)

This Interconnection and Parallel Operating Agreement (“Agreement”) is entered into on _____ by **Indiana Michigan Power Company** (the “Utility”), and _____ (the “Customer”), and (if applicable under Paragraph 5) _____ (the “Property Owner”). Utility and Customer are sometimes also referred to in this Agreement collectively as “Parties” or individually as “Party.” Customer shall be the “Project Developer” as used in and for purposes of the applicable Michigan Electric Utility Generator Interconnection Requirements (“Interconnection Requirements”) approved by the Michigan Public Service Commission (“Commission”).

I. RECITALS

- A. Customer is an electric service customer of Utility in good standing and has submitted a Generator Interconnection Application (“Application”) to Utility.
- B. Customer desires to interconnect an electric generating facility with maximum capacity of 20 kilowatts (“kW”) or less (the “Customer Facility”) with Utility’s electric distribution system and operate the Customer Facility in parallel with Utility’s distribution system, under the Utility’s Interconnection Requirements for Category 1 (20kW or less) projects, as defined in the Electric Interconnection and Net Metering Standards approved by the Commission (the “Standards”).
- C. For purposes of this Agreement, “interconnect” means establishing a connection between a non-utility generating resource (in this case, the Customer Facility) and Utility’s distribution system. “Operate in parallel” means generating electricity from a non-utility resource (in this case, the Customer Facility) that is connected to Utility’s system. In all cases, terms shall have the meaning as defined in the Standards.
- D. Interconnection of the Customer Facility with Utility’s distribution system is subject to this Agreement, the Application, the Interconnection Requirements, the Standards and applicable utility tariffs approved by the MPSC.
- E. This Agreement does not address any purchase or sale of electricity between Utility and Customer nor does it create any agency, partnership, joint venture or other business arrangement between or among Utility, Customer and/or Property Owner.

II. AGREEMENT

NOW THEREFORE, in consideration of the above recitals, the mutual covenants contained herein and for good and valuable consideration, the Parties agree as follows:

1. Description of Customer Facility

1.1 The Customer Facility must be built with the following ratings, which shall not be changed without thirty (30) days advance written notice to Utility according to the notice requirements herein:

Photovoltaic/Solar ("PV") Array Rating: _____ kW
Certified Test Record Number (UL1741 Scope 1.1A): _____ kW
Wind Turbine (WT) Rating: _____ kW
Hydroelectric Turbine (HT) Rating: _____ kW
Fuel Cell (FC) Rating: _____ kW
Other (specify type and rating): _____ kW
Service Type Single Phase
Voltage Level: 120/240 _____
Equipment Specifications: Make: _____ : Model: _____

1.2 Customer Facility Location:

If Customer is not the owner of the property identified above, the Property Owner must sign this Agreement for the purposes indicated in Paragraph 5.

1.3 Customer's Utility service account number: _____
Property Owner's Utility service account number
(if applicable): _____

1.4 The Customer facility is planned to be ready for parallel operation on or about:

2. Interconnection Facilities

If it is necessary for Utility to install certain interconnection facilities ("Interconnection Facilities") and make certain system modifications in order to establish an interconnection between the Customer Facility and Utility's distribution system, the Interconnection facilities and modifications shall be described to the Customer.

3. Design Requirements, Testing and Maintenance of Customer Facility

3.1 Customer shall be responsible for the design and installation of the Customer Facility and obtaining and maintaining any required governmental authorizations and/or permits, which may include, but shall not be limited to, easements to clear trees, and necessary rights-of-way for installation and maintenance of the Utility

Interconnection Facilities. Customer shall reimburse Utility for its costs and expenses to acquire such easements / permits.

- 3.2 Customer shall, at its sole expense, install and properly maintain protective relay equipment and devices to protect its equipment and service, and the equipment and system of Utility, from damage, injury or interruptions, and will assume any loss, liability or damage to the Customer Facility caused by lack of or failure of such protection. Such protective equipment specifications and design shall be consistent with the applicable Interconnection Requirements. Prior to the Customer Facility operating in parallel with Utility distribution system, Customer shall provide satisfactory evidence to Utility that it has met the Interconnection Requirements, including but not limited to the receipt of approval from the local building/electrical code inspector.
- 3.3 At its own expense, Customer shall perform operational testing at least five (5) days prior to the installation of any Interconnection Facilities by Utility. Utility may send qualified personnel to the Customer Facility to inspect the facility and observe the testing. Upon completion of such testing and inspection and prior to interconnection Customer shall provide Utility with a written report explaining all test results, including a copy of the generator commissioning test report.

Protective relay equipment shall be tested every two (2) years (unless an extension is agreed to by Utility) to verify the calibration indicated on the latest relay setting document issued by Utility. The results of such tests shall be provided to Utility in writing for review and approval. Utility may, at any time and at its sole expense, inspect and test the Customer Facility to verify that the required protective equipment is in service, properly maintained, and calibrated to provide the intended protection. This inspection may also include a review of Customer's pertinent records. Inspection, testing and/or approval by Utility or the omission of any inspection, testing and/or approval by Utility pursuant to this Agreement shall not relieve the Customer of any obligations or responsibility assumed under this Agreement.

- 3.4 Customer shall operate and maintain the Customer Facility in a safe and prudent manner and in conformance with all applicable laws and regulations. Customer shall obtain or maintain any governmental authorizations and permits required for construction and operation of the Customer Facility.

4. Disconnection

Utility shall be entitled to disconnect the Customer Facility from Utility's distribution system, or otherwise refuse to connect the Customer Facility, if: (a) Customer has not complied with any one of the technical requirements contained in the applicable Interconnection Requirements, (b) the electrical characteristics of the Customer Facility are not compatible with the electrical characteristics of Utility's distribution system, (c) an emergency condition exists on Utility's distribution system, (d) Customer's protective relay equipment fails, (e) Utility determines that the Customer Facility is disrupting service to any Utility customer, (f) disconnection is required to allow for construction, installation, maintenance, repair, replacement, removal, investigation, inspection or testing of any part of Utility's facilities, (g) if a required installation (*e.g.*, telephone line)

fails or becomes incapacitated and is not repaired in a timely manner, as determined by Utility, or (f) Customer commits a material breach of this Agreement.

5. **Access to Property**

5.1 At its own expense, Customer shall make the Customer Facility site available to Utility. The site shall be free from hazards and shall be adequate for the operation and construction of the Interconnection Facilities. Utility, its agents and employees, shall have full right and authority of ingress and egress at all reasonable times on and across the property at which the Customer's Facility is located, for the purpose of installing, operating, maintaining, inspecting, replacing, repairing, and removing the Interconnection Facilities. The right of ingress and egress shall not unreasonably interfere with Customer's or (if different) Property Owner's use of the property.

5.2 Utility may enter the property on which the Customer Facility is located to inspect, at reasonable hours, Customer's protective devices and read or test meters. Utility will use reasonable efforts to provide Customer or Property Owner, if applicable, at least 24 hours' notice prior to entering said property, in order to afford Customer or Property Owner the opportunity to remove any locks or other encumbrances to entry; *provided, however*, that Utility may enter the property without notice (removing, at Customer's expense, any lock or other encumbrance to entry) and disconnect the Interconnection Facilities if Utility believes that disconnection is necessary to address a hazardous condition and/or to protect persons, Utility's facilities, or the property of others from damage or interference caused by Customer's Facility.

5.3 By executing this Agreement, Property Owner consents to and agrees to provide access to its property on which the Customer Facility is located to Utility as described in this Section, but does not assume or guarantee other performance obligations of the Customer under this Agreement.

6. **Indemnity and Liability**

6.1 Unless caused by the sole negligence or intentional wrongdoing of the other Party, each party to this Agreement shall at all times assume all liability for, and shall defend, hold harmless, and indemnify the other Party and its directors, officers, employees, and agents from, any and all damages, losses, claims, demands, suits, recoveries, costs, legal fees, and expenses: (a) for injury to or death of any person or persons whomsoever occurring on its own system, or (b) for any loss, destruction of or damage to any property of third persons, firms, corporations or other entities occurring on its own system, including environmental harm or damage, or (c) arising out of or resulting from, either directly or indirectly, its own Interconnection Facilities, or (d) arising out of or resulting from, either directly or indirectly, any electric energy furnished to it hereunder after such energy has been delivered to it by such other Party. The provisions of this Section shall survive termination or expiration of this Agreement.

6.2 The provisions of this Section 6 shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any valid insurance policy.

6.3 Notwithstanding anything in this Section, or any other provision of this Agreement to the contrary, any liability of a Party to the other Party shall be limited to direct actual damages, and all other damages at law or in equity are hereby waived. Under no circumstances shall a Party be liable to the other Party, whether in tort, contract or other basis in law or equity for any special, indirect, punitive, exemplary or consequential damages, including lost profits. The indemnification obligations and limits on liability in this Section shall continue in full force and effect notwithstanding the expiration or termination of this Agreement, with respect to any event or condition giving rise to an indemnification obligation that occurred prior to such expiration or termination.

7. **Breach and Default**

A breach of this Agreement (“Breach”) shall occur upon the failure of a Party to perform or observe any material term or condition of this Agreement or the Standards or the Interconnection Requirement. Upon a Breach by one Party, the non-breaching Party shall give written notice of such Breach to the breaching Party. The Party in Breach shall have 30 days from the date of the written notice to cure the Breach. If a Breach is not cured within the 30-day period provided for herein, the Party in Breach shall be deemed in default (“Default”). The non-defaulting Party shall then have the right to terminate this Agreement by written notice, shall be relieved of any further obligations hereunder, and may pursue any and all remedies available to it at law or in equity.

8. **Governing Law**

This Agreement shall be interpreted, governed, and construed under the laws of Michigan.

9. **Amendment, Modification or Waiver**

Any amendments or modifications to this Agreement shall be in writing and agreed to by both Parties. The failure of any Party at any time to require performance of any provision hereof shall in no manner affect its right at a later time to enforce the same. No waiver by any Party of the breach of any term or covenant contained in this Agreement, whether by conduct or otherwise, shall be deemed to be construed as a further or continuing waiver of any such breach or a waiver of the breach of any other term or covenant unless such waiver is in writing.

10. **Notices**

Any notice required under this Agreement shall be in writing and mailed or personally delivered to the Party at the address below. Written notice is effective within 3 days of depositing the notice in the United States mail, first class postage prepaid. Personal notice is effective upon delivery. Written notice of any address changes shall be provided. All written notices shall refer to the Customer’s Utility account number, as provided in Section 1 of this Agreement. All written notices shall be directed as follows:

Notice to Utility:
Customer Services Department
Indiana Michigan Power

Notice to Customer:

Notice to Property Owner (if different than Customer):

11. **Term of Agreement and Termination**

This Agreement shall become effective upon execution by all Parties and, if applicable, the Property Owner, and it shall continue in full force and effect until terminated upon thirty (30) days' prior notice by either Party, upon Default of either Party as set forth in Section 7, upon mutual agreement of the Parties, or upon a change in ownership of either the Customer Facility or the property at which the Customer Facility is located absent a valid assignment under Section 14.

12. **Entire Agreement**

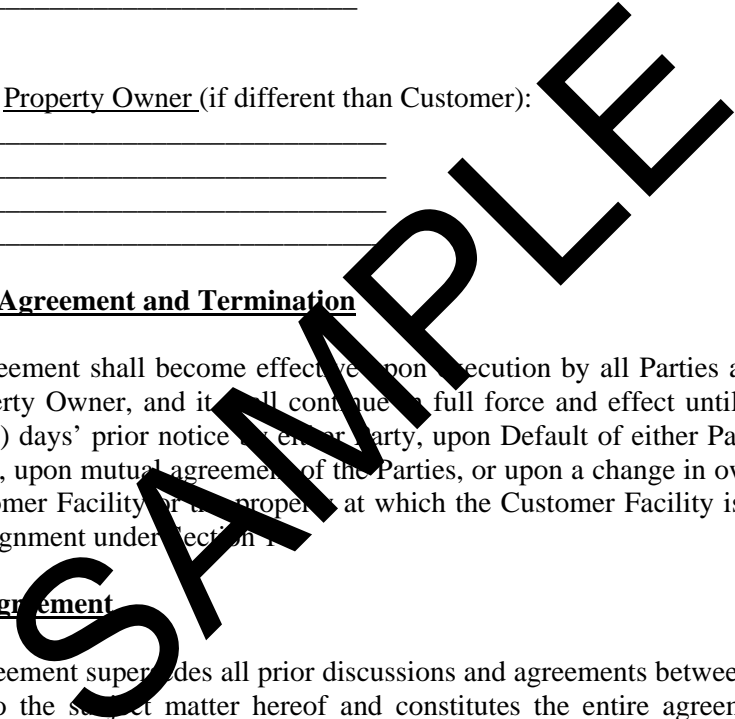
This Agreement supersedes all prior discussions and agreements between the Parties with respect to the subject matter hereof and constitutes the entire agreement between the Parties hereto.

13. **No Third Party Beneficiary**

The terms and provisions of this Agreement are intended solely for the benefit of each Party, and it is not the intention of the Parties to confer third-party beneficiary rights upon any other person or entity.

14. **Assignment and Binding Effect**

This Agreement shall not be assigned by a Party without the prior written consent of the other Party. Any attempt to do so will be void. Subject to the preceding, this Agreement is binding upon, inures to the benefit of, and is enforceable by the Parties and their respective successors and assigns. Customer agrees to notify Utility in writing upon the



sale or transfer of the Customer Facility. This Agreement shall terminate upon such notice unless Utility consents to an assignment.

15. **Severability**

If any provision of this Agreement is determined to be partially or wholly invalid, illegal, or unenforceable, then such provision shall be deemed to be modified or restricted to the extent necessary to make such provision valid, binding, and enforceable; or, if such provision cannot be modified or restricted in a manner so as to make such provision valid, binding or enforceable, then such provision shall be deemed to be excised from this Agreement and the validity, binding effect, and enforceability of the remaining provisions of this Agreement shall not be affected or impaired in any manner.

16. **Signatures**

The Parties to this Agreement hereby agree to have two originals of this Agreement executed by their duly authorized representatives. This Agreement is effective as of the later (or latest) of the dates set forth below.

Indiana Michigan Power

Signature: _____

Name: _____

Title: _____

Date: _____

CUSTOMER'S NAME

Signature: _____

Name: _____

Title: _____

Date: _____

Account Number: _____

Property Owner (if applicable)

Signature: _____

Name: _____

Title: _____

Date: _____

Application Checklist

- Completed (and signed) Application
- Attached electrical one-line diagram of proposed installation
- Attached Site Plan
- Enclosed check (\$75 Interconnection Fee plus \$25 fee required if selecting net metering)

GENERATOR INTERCONNECTION APPLICATION

FOR ALL INVERTER BASED PROJECTS WITH AGGREGATE GENERATOR OUTPUT 20 kW OR LESS

Also Serves as Application for Category 1 Net Metering

Electric Utility Contact Information

Indiana Michigan Power
Interconnection Coordinator - Lesley Odom
PO Box 60
Fort Wayne IN 46801-0060
Interconnection Hotline: 260-408-3402
Interconnection Email: lkodom@aep.com

For office use only

Application No. _____

Date & Time Application Received

Customer / Account Information

Electric Utility Customer Information: (As shown on utility bill)

Customer Name (Last, First, Middle):

Customer Mailing Address:

Customer Phone Number:

Customer E-Mail Address: (optional)

Electric Service Account #

Electric Service Meter Number:

Are you applying for the Net Metering Program? Yes No

Are you interested in selling Renewable Energy Credits (REC's)? Yes No

Will you have an Alternative Electric Supplier? Yes No

Name:

Notes: Enter name ONLY if your energy is supplied by a 3rd party, not the utility.

You must apply to both the Distribution Utility and your Alternate Energy Provider (if applicable) for Net Metering

Generation System Site Information

Physical Site Service Address (if not Billing Address):

Annual Site Requirements Without Generation in Kilowatt-hours

kWh/year

Peak Annual Site Demand in Kilowatts (only for customers billed on demand rates)

Kw

Attached Site Plan:

Page # --

Attached Electrical One-Line Drawing:

Page # --

GENERATOR INTERCONNECTION APPLICATION

FOR ALL INVERTER BASED PROJECTS WITH AGGREGATE GENERATOR OUTPUT 20 kW OR LESS

Also serves as application for category 1 Net Metering

Generation System - Manufacturer Information

System Type (Solar, Wind, Biomass, Fuel Cell, etc.):
Generator Type (Inverter):
Total Generator Nameplate DC Rating (Solar Only):
Total Generator Nameplate AC Rating:
Generator AC Output Voltage:
Generator Wiring Configuration (Single Phase, Three Phase):
Expected Annual Output in Kilowatt-hours
Is the Inverter tested to IEEE1547.1?

	kW
	kW
	V
	kWh/year

Yes No

Inverter Based Systems:

Manufacturer
Model (Name / Number)
Inverter Output Power Rating (kW)
No. of Inverter(s)

	kW

Installation Information

Project Single Point of Contact: (Electric Utility Customer, Developer, or other)

Name:
Company (If Applicable):
Phone Number:
E-Mail Address:

Requested In Service Date:

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Contractor (Name of Firm or Self):
Contractor Name (Last, First, MI):
Contractor Phone #:
Contractor E-Mail:

Customer and Contractor Signature and Fees

- Attached \$75 Interconnection Application Fee or
 Attached \$100 combined Interconnection & Net Metering Program application fees
(\$75 Interconnection Application Fee plus \$25 fee required if selecting net metering)

(Check # / Money Order #)

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(Sign and Return complete application with Application Fee to Electric Utility Contact)
To the best of my knowledge, all the information provided in this Application Form is complete and correct.

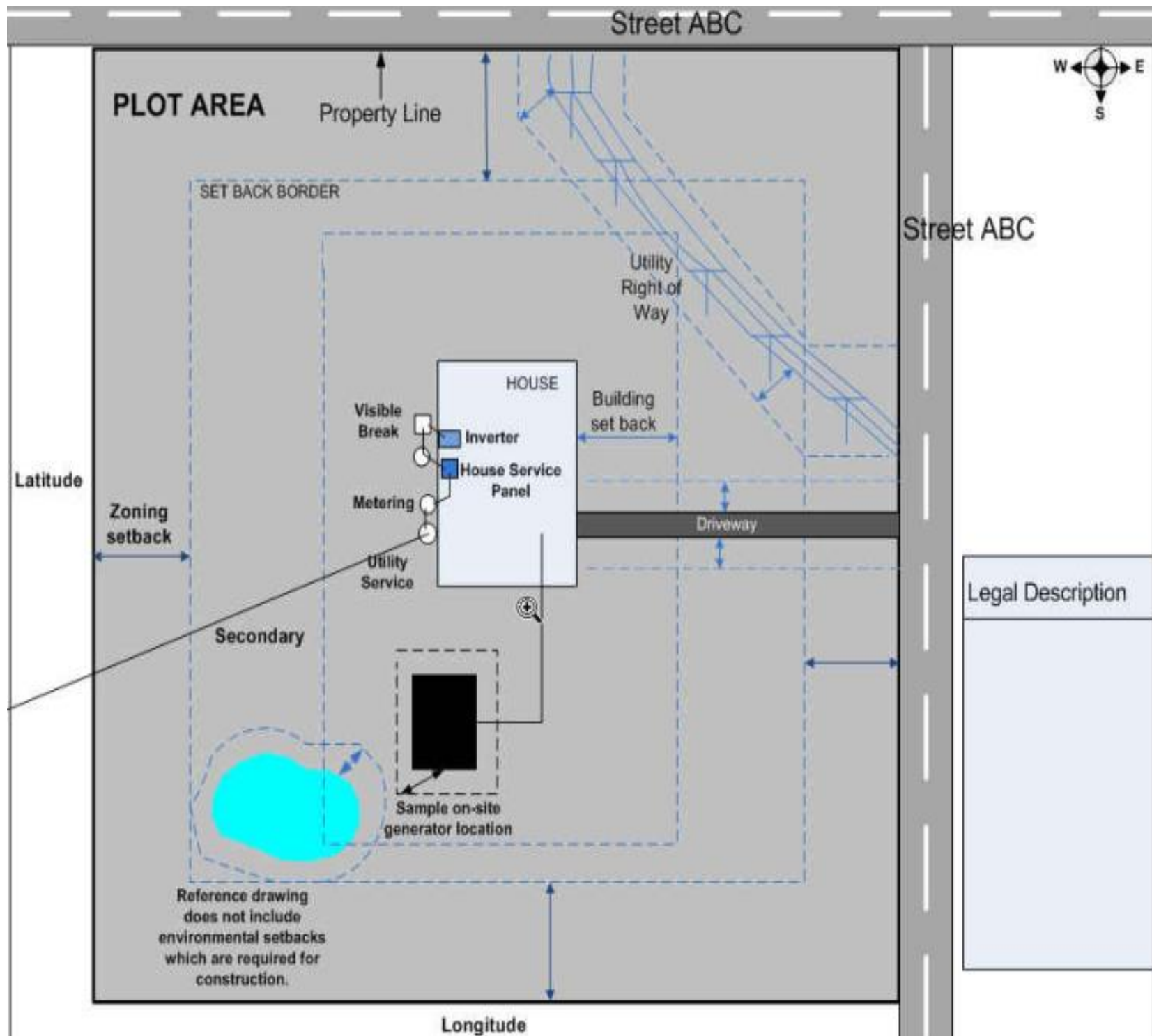
Customer Signature

Contractor Signature (if applicable)

Note: Refer to the applicable "Michigan Electric Utility Generator Interconnection Procedures" for a detailed explanation of the Interconnection Process and Technical Requirements.

Sample Site Plan - Provided for Reference Only

Customer Name:	
Customer Address:	
Site Plan Prepared By:	
Date:	



Note: Legible hand drawn site plans are acceptable

SAMPLE ONE-LINE DRAWING FOR NET METERING CATEGORY 1 PROJECTS

Note: Hand drawn One - Line Drawings are acceptable

Customer Name:	
Customer Address:	
Site Plan Prepared By:	
Date:	

