**APPLICATION FOR INTERCONNECTION WITH THE**
**Indiana Michigan Power Company**
**INDIANA DISTRIBUTION SYSTEM**
(Project capacity greater than 10kW)

***Instructions***

*Interconnection Customer declares its intention to interconnect with the AEP Distribution System.*

*In order for the Distributed Resource to be considered for interconnection to AEP's Distribution System, Interconnection Customer must submit (1) a completed Interconnection Request (The Interconnection Request shall be deemed complete when the required information has been provided by Interconnection Customer), and (2) the appropriate non-refundable application processing fee.*

*If requested information is not applicable, indicate by using "N/A".*

*Additional information to evaluate an Interconnection Request may be required by AEP as the application process proceeds.*

*Return Completed Application to:*

**Shari Konger**
**Indiana Michigan Power**
**PO Box 60**
**Fort Wayne IN 46801-0060**

## Application Filing Fee

Indicate the amount of filing fee enclosed: $_____
(*see filing fee below, make check available to Indiana Michigan Power Company)*

## Section 1. Interconnection Customer Information

Indicate Distributed Resource size: _____ 11 - 2000 kW
*The filing fee is $50 + $1/kw of nameplate capacity.*
_____ greater than 2,000 kW
*The filing fee is $100 + $2/kw of nameplate capacity.*

Application is for: _____ New Distributed Resource Facility
_____ Capacity addition to Existing Distributed Resource Facility

If capacity addition to existing facility, please describe:

_____

_____

_____

**Legal Name of Interconnection Customer** *(or, if an Individual, Individual's Name)*

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Generating Facility Location *(if different from above)*:
_____

_____

Requested Point of Interconnection:
_____

_____

If the requested point of interconnection is the same as an existing electric service, provide the electric service account number. _____

Proposed In-Service Date: _____

Telephone: Daytime: _____ Evening: _____

E-Mail Address: _____ Fax: _____

**Alternative Contact Information** *(If different from Interconnection Customer information above)*

Contact Name: _____

Title: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Telephone: Daytime: _____ Evening: _____

E-Mail Address: _____ Fax:_____

Contact Name: _____

Title: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Telephone: Daytime: _____ Evening: _____

E-Mail Address: _____ Fax:_____

## Section 2. Generator Qualifications

Energy Source: ___Diesel ___Hydro *[Specify Type (e.g., Run-of-River)]* _____

___ Fuel Oil ___Natural Gas ___Solar ___Wind

___Other *(Specify)*_____

Type of Generator:
___Synchronous ___Induction ___DC Generator or Solar with Inverter/Converter

Generator Nameplate Rating: _____kW *(Typical)*
Generator Nameplate KVA: _____

Interconnection Customer or Customer-Site Load:
_____ kW *(if none, so state) (Typical)*
_____ kVAR *(Reactive Load, if known)*

Maximum physical export capability requested: _____ kW

**List components of the Generating Facility that are Precertified**

| Equipment Type | Precertifying Entity |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |

## Section 3. Generator Technical Information

*A completed load flow data sheet must be supplied with the Interconnection Request.*

Distributed Resource manufacturer, model name, number, and version:

_____

_____

Nameplate output power rating in kW: *(Summer)*_____*(Winter)*_____

Nameplate output power rating in KVA: *(Summer)*_____*(Winter)*_____

Individual generator power factor: Rated power factor leading: _____

Rated power factor lagging: _____

### Wind Generators

Number of generators to be interconnected pursuant to this Interconnection Request: ____

Elevation: _____ _____ Single Phase _____ Three Phase

Inverter manufacturer, model name, number, and version: _____

_____

List of adjustable setpoints for the protective equipment or software: _____

_____

### Distributed Resource Facility Characteristic Data *(for rotating machines)*

Synchronous and Induction Generators:

Direct Axis Transient Reactance, $X'_d$: _____ P.U.
Direct Axis Unsaturated Transient Reactance, X'di: _____ P.U.
Direct Axis Subtransient Reactance, $X''_d$: _____ P.U.
Generator Saturation Constant (1.0): _____
Generation Saturation Constant (1.2): _____
Negative Sequence Reactance: _____ P.U.
Zero Sequence Reactance: _____ P.U.
KVA Base: _____
RPM Frequency: _____

Induction Generators:

(*) Field Volts: _____
(*) Field Amperes: _____
(*) Motoring Power (kW): _____
(*) Neutral Grounding Resistor (If Applicable): _____
(*) $I_2^2t$ or K (Heating Time Constant): _____
(*) Rotor Resistance: _____
(*) Stator Resistance: _____
(*) Stator Reactance: _____
(*) Rotor Reactance: _____
(*) Magnetizing Reactance: _____
(*) Short Circuit Reactance: _____
(*) Exciting Current: _____
(*) Temperature Rise:_____
(*) Frame Size: _____
(*) Design Letter: _____
(*) Reactive Power Required In Vars (No Load): _____
(*) Reactive Power Required In Vars (Full Load): _____
(*) Total Rotating Inertia, H: _____Per Unit on KVA Base

*Note: Please consult AEP prior to submitting the Interconnection Request to determine if the information designated by (*) is required.*

**Excitation and Governor System Data** *(for Synchronous Generators only)*

If determined to be required, provide appropriate IEEE model block diagram of excitation system, governor system, and power system stabilizer (PSS) in accordance with the regional reliability council criteria. A PSS may be determined to be required by applicable studies. A copy of the manufacturer's block diagram may not be substituted.

## Section 4. Interconnecting Equipment Technical Data Information

Will a transformer be used between the Distributed Resource and the Point of Interconnection?
____Yes ____ No

**Transformer Data for Interconnection Customer-Owned Transformer** *(if applicable)*

*Load loss watts values will be estimated at 5-10% of nameplate impedance if load loss watts values are not specified.*

The transformer is: ____single phase _____three phase Size: _____ KVA

Transformer impedance: _____% on _____ KVA Base

If Three Phase:

Transformer Primary: _____ Volts ___Delta ____ Wye _____Wye Grounded
Transformer Secondary: _____ Volts ___Delta ____ Wye _____Wye Grounded

**Transformer Fuse Data for Interconnection Customer-owned Fuse** *(if applicable)*

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*Note: Please attach a copy of fuse manufacturer's minimum melt and total clearing time- current curves*

Fuse Manufacturer: _____

Type: _____ Size: _____ Speed: _____

**Interconnecting Circuit Breaker** *(if applicable)*

Manufacturer: _____

Type: _____ Load Rating *(Amps)*: _____ Interrupting Rating *(Amps)*: _____

Trip Speed *(Cycles)*: _____

**Interconnection Protective Relays** *(if applicable)*

*Note: Please attach a copy of any proposed time-overcurrent coordination curves*

Manufacturer: _____

Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

Manufacturer: _____

Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

Manufacturer: _____

Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

Manufacturer: _____

Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

Manufacturer: _____

Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

**Current Transformer Data** (if applicable)

*Note: Please attach a copy of manufacturer's excitation & ratio correction curves*

Manufacturer: _____

Type: _____ Accuracy Class: _____ Proposed Ratio Connection: _____/5

Manufacturer: _____

Type: _____ Accuracy Class: _____ Proposed Ratio Connection: _____/5

**Potential Transformer Data** *(if applicable)*

Manufacturer: _____

Type: _____ Accuracy Class: _____ Proposed Ratio Connection: _____/5

Manufacturer: _____

Type: _____ Accuracy Class: _____ Proposed Ratio Connection: _____/5

## Section 5. General Information

_____ Attached is a one-line diagram showing the configuration of all generating facility equipment, current and potential circuits, and protection and control schemes.

_____Attached is site documentation that indicates the precise physical location of the proposed generating facility *(e.g., USGS topographic map or other diagram or documentation)*.

_____Attached is documentation that describes and details the operation of the protection and control schemes.

Proposed location of protective interface equipment on property *(Include address if different from Interconnection Customer's address)*:

_____

_____

_____Attached are copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits *(if applicable).*

_____Attached is Site Control documentation.

Does Interconnection Customer currently have control of the site? _____ Yes_____ No

## Section 6. Signature

I hereby certify that, to the best of my knowledge, all the information provided in this Interconnection Request is true and correct. For Interconnection Customer:

Print Name: _____

Signature:_____

Date: _____