

**Distributed Generation
Procedures & Guidelines
Manual for Members**

Whitewater Valley REMC

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GENERAL

It is the intent of the Whitewater Valley REMC (REMC) to allow its members to install Distributed Generation (DG) provided that member's DG facility does not adversely affect the REMC, Hoosier Energy or other electric grid connected entities. The Member must conduct, or have consultants conduct, his/her own analysis to determine the economic benefit, if any, of the DG operation. Throughout this manual, a member who has installed or is planning to install a DG facility is referred to as "Member."

A DG facility that is not connected to the REMC lines in any way is known as "**stand-alone**" or "**isolated**" DG system. The Member may operate a DG facility in stand-alone or isolated fashion as long as such DG facility does not adversely affect the REMC's electric system or impose any undue hazards or risks to the REMC electric system or personnel. A DG facility connected in any way to the REMC's electric system shall be considered as being operated in "**parallel**." For purposes of this DG Manual, a DG facility is considered operating in "**parallel**" anytime it is connected to the REMC's system in any way, even if the Member does not intend to export or import power. All provisions of this DG Manual shall apply to parallel operation of DG facilities as so defined. Members must fully comply with the provisions of this DG Manual as a condition of receiving continuing electric service. Provisions hereof may be amended from time to time at the sole discretion of the REMC.

This DG Manual is not a complete description or listing of all laws, ordinances, rules and regulations that may be applicable to a member, nor is this DG Manual intended to be an installation or safety manual.

The Member requesting to interconnect a DG facility to the REMC's electric system is solely responsible for, and must follow, in addition to all provisions of this DG Manual, all of the REMC's Bylaws, Service Rules and Regulations, policies, tariffs for electric service, the policies and procedures of the REMC's power supplier, Hoosier Energy, Inc. (hereinafter referred to as "Power Supplier"), where applicable, the current *IEEE 1547 Standard Guide for Distributed Generation Interconnection*, applicable ANSI standards, including ANSI C84.1 Range A, Midwest Independent System Operator (MISO) directives, and all industry standard, prudent engineering practices. All standards or requirements of any controlling legal authority must also be met. All requirements in the following sections of this DG Manual must be met prior to interconnection of the DG facility to the REMC's system.

Inverter based systems listed by Underwriters Laboratories (UL) to UL Standard 1741, published May 7, 1999, as revised January 17, 2001 (UL 1741), are accepted by the REMC as meeting the technical requirements of IEEE1547 tested by UL 1741.

A Member may serve all of that Member's electric service loads beyond the meter at the location serving the DG facility, but will not be allowed to serve multiple meters, multiple consuming facilities or multiple Members with a single DG facility or under a single DG application. The Member shall not resell electricity under any circumstances except as provided by this agreement.

DG facilities larger than 10 kilowatts are not covered by this DG Manual and will be considered by the REMC and the REMC's Power Supplier on a case-by-case basis.

I. DETERMINING THE CATEGORY OF DISTRIBUTED GENERATION FACILITY

1) Connection Level Category:

- a) Connected to the REMC's system
The Member requests and/or the Member's DG facility requires connection to the REMC's system. All provisions of this DG Manual cover this category.
- b) Connected to the REMC's Power Supplier's system
This DG Manual does **NOT** cover this category.

2) Power Export Categories:

Parallel (a)– no power export

The Member operates a DG facility connected in any way to the REMC system but with no intention to export power.

Parallel (b)– power generated to be both consumed and exported

The Member operates a DG facility connected in any way to the REMC's system designed primarily to serve the Member's own load but with the intention to export excess power.

Parallel (c)– power generated to be exported only

The Member operates a DG facility connected in any way to the REMC's system designed primarily with the sole intention to export power.

3) Size Category:

a) Facilities 10 kW and smaller

Facilities \leq 10 kW of connected generation will be placed in this size category.

II. MEMBER'S INITIAL REQUIREMENTS

1) Notification:

- a) The Member must meet all the REMC's membership and service requirements in addition to the requirements in the DG Manual.
- b) Anyone requesting to own or operate a DG facility in parallel with the REMC's electric system must notify the REMC in writing of the proposed location, use and size category of the proposed DG facility.

2) Service Request:

- a) In advance of request for an interconnection, the Member must contact the REMC and complete the "Whitewater Valley REMC Agreement for

Interconnection and Parallel Operation of Distributed Generation.”

b) DG facilities 10 kW and under in size and of standard manufacture and design (as so determined by the REMC) may submit the attached Agreement Short Form.

c) A separate form must be submitted for each facility.

3) Submit a DG Plan:

a) As a part of the application, the Member shall submit a plan detailing the electrical design, interconnection requirements, size, and operational plans for the DG facility (the “DG plan”). Either at the time of submission or at any time during the review process, the REMC may require additional information or may require the DG plan to be prepared by a professional engineer registered in the state of Indiana.

b) Prior to review of the application and DG plan by the REMC, the Member shall pay an application fee as indicated below. A separate fee must be submitted for each DG facility.

DG Size	Operating Characteristics	Application	Application Fee
10 kW or less	Parallel operation, either power export or no power export	PE Certification not required	\$100
10 kW or less	Parallel operation, either power export or no power export	PE Certification Required	\$250

Application Fees and Submission Requirements

III. REMC AND POWER SUPPLIER REVIEW PROCESS

1) Plan Review Process:

a) The REMC, and its Power Supplier if requested by the REMC, will review the application and accompanying documents, plans, specifications, and other information provided and will return an interconnection analysis to the Member within 60 days of receipt of final plans and specifications and additional information, if any, requested by the REMC.

b) Technical review will be consistent with guidelines established by the most recent *IEEE Standard 1547 Guide for Distributed Generation Interconnection*. The Member may be required by the REMC to provide proof that the

proposed DG Facilities have been tested and certified to applicable IEEE guidelines.

- c) If corrections or changes to the plans, specifications and other information are to be made by the Member, the 60 day period may be reinitialized when such changes or corrections are provided to the REMC. In addition, any changes to the site or project requiring new analysis by the REMC may result in additional cost being incurred and a new DG plan may be required. The cost will be determined by the REMC and shall be paid in advance by the Member.
- d) The Member acknowledges and agrees that any review or acceptance of such plans, specifications and other information by the REMC and/or its Power Supplier shall not impose any liability on the REMC and/or its Power Supplier and does not guarantee the adequacy of the Member's equipment or DG facility to perform its intended function. The REMC and its Power Supplier disclaim any expertise or special knowledge relating to the design or performance of DG installations and does not warrant the efficiency, cost-effectiveness, safety, durability, or reliability of such DG installations. Installation and operation of the DG facility shall at all times be at the Member's risk and expense.
- e) In the event it is necessary at the time of initial interconnection or at some future time for the REMC and/or its Power Supplier to modify electric delivery systems in order to serve the Member's DG facilities and/or purchase or continue to purchase the output of the Member's DG facilities, or because the quality of the power provided by the Member's DG adversely affects the REMC's and/or its Power Supplier's delivery system, the Member will be responsible to pay the REMC and/or its Power Supplier in advance for all costs of modifications required for the interconnection of the Member's DG facilities. Failure to comply with this provision may result in the REMC disconnecting/isolating Member's parallel DG facility or electrical service, with or without notice, from the REMC's electrical system. The REMC reserves the right to pursue any and all damage claims for damages incurred by the REMC caused by the Member's DG.

IV. MEMBER'S RESPONSIBILITY PRIOR TO OPERATION

1) Line Extension and Modifications to REMC Facilities:

- a) As a part of the interconnection analysis performed by the REMC, the Member will be provided with an estimate of any line extension or other cost to be incurred in providing electric delivery service to the Member's DG facility.
- b) Notwithstanding any other REMC line extension policy, the Member shall pay in advance the full cost of the construction of any transmission, substation, distribution, transformation, metering, protective, or other facilities or equipment which, at the sole discretion of the REMC and/or its Power Supplier, is required to serve the Member's proposed DG facility.

- c) In the event it is necessary at the time of initial interconnection or at some future time for the REMC and/or its Power Supplier to modify electric delivery systems in order to serve the Member's DG facilities and/or purchase or continue to purchase the Member's output, or because the quality of the power provided by the Member's DG adversely affects the REMC and/or its Power Supplier's delivery system, the Member will reimburse the REMC and/or its Power Supplier for all costs of modifications required for the interconnection of the Member's DG facilities. Failure to comply with this provision may result in the REMC disconnecting/isolating Member's parallel DG facility or electrical service, with or without notice, from the REMC's electrical system.

- d) In the event the REMC at any time in the future changes primary voltage of facilities serving the DG facility such that metering equipment, transformers and/or any other Member-owned equipment must be changed to continue receiving service at the new primary voltage level, the full cost of the change will be borne by the Member. Failure to comply with this provision may result in the REMC disconnecting/isolating Member's parallel DG facility or electrical service, with or without notice, from the REMC's electrical system.

- e) If a safety disconnect switch is required at the sole discretion of the REMC, the Member shall pay the full cost of the installation of a visible load break disconnect switch by and to the sole specification of the REMC. The switch will be readily accessible to REMC personnel and of a type that can be secured in an open position by an REMC lock. Failure to comply with this provision may result in the REMC disconnecting/isolating Member's parallel DG facility or electrical service, with or without notice, from the REMC's electrical system.

2) Liability Insurance:

- a) Prior to interconnection, the Member must provide (at Member's expense) a certificate of insurance (identifying the REMC as an additional insured) showing satisfactory liability insurance including contractual liability insurance covering indemnity agreements which insures the Member against all claims for property damage, and for personal injury or death arising out of, resulting from or in any manner connected with the installation, operation and maintenance of the Member's generating equipment

- b) The amount of such insurance coverage required to be provided by the Member shall be not less than \$1,000,000 per occurrence. The amount of such coverage and the type of insurance coverage required must be acceptable to the REMC and the insurance requirement may be amended from time to time by the REMC at the sole discretion of the REMC. The certificate of insurance shall provide that the insurance policy will not be changed or canceled during its term without thirty days written notice to the

REMC. The term of the insurance shall be coincident with the term of the interconnection contract or shall be specified to renew throughout the length of the interconnection contract. Failure to comply with this provision may result in the REMC disconnecting/isolating Member's parallel DG facility or electrical service, with or without notice, from the REMC's electrical system.

- c) The Member shall provide proof of such insurance to the REMC at least annually. or at the request of any authorized REMC representative.

3) Contracts:

a) Interconnection Contract

The Member shall sign and deliver an Agreement for Interconnection to the REMC substantially in the form as shown in the REMC AGREEMENT FOR INTERCONNECTION AND PARALLEL OPERATION OF DISTRIBUTED GENERATION included in this DG Manual.

4) Ownership of facilities:

- a) The Member shall own and be solely responsible for all expense, installation, maintenance and operation of all facilities, including all power generating facilities, at and beyond the point of delivery as defined in the REMC's tariffs.
- b) At its sole discretion, the REMC may locate REMC owned metering equipment and/or transformers past the point of delivery.

5) Self-Protection of DG Facilities:

- a) The Member will furnish, install, operate and maintain in good order and repair all equipment necessary for the safe operation of DG facilities operated in parallel with the REMC system.
- b) The Member's equipment will have capability to both establish and maintain synchronism with the REMC system and to automatically disconnect and isolate the DG facility from the REMC system pursuant to abnormal operation or unsafe conditions present on either system.
- c) The Member's DG facility will be designed, installed and maintained to be self-protected from normal and abnormal conditions on the REMC system including, but not limited to, overvoltage, undervoltage, overcurrent, frequency deviation, and faults. Self-protection will be compatible with all applicable REMC, Power Supplier or other controlling legal authority protection arrangements, requirements and/or operating policies.
- d) Additional protective devices and/or functions may be required by the REMC when, in the sole judgment of the REMC, the particular DG facility installation and/or the REMC system characteristics so warrant.

6) Safety Disconnect:

- a) The REMC requires some means to visually disconnect the REMC's system from the Member's system. If service can be safely disconnected by REMC personnel pulling the meter, then this arrangement will not require a separate safety disconnect.
- b) A Member shall install a visible load break disconnect switch at the Member's expense and to the REMC's specifications in all other instances where pulling the REMC's meter will not safely and visibly disconnect the REMC's system from the Member's system.
- c) The switch will be located so as to be readily accessible to REMC personnel at all times and in a location acceptable to both the Member and the REMC.
- d) The switch shall be a type that can be secured in an open position by a lock owned by the REMC. If the REMC has locked the disconnect switch open, the Member shall not operate or close the disconnect switch.
- e) Signage shall be placed by the REMC at the Member's expense and located at the disconnect indicating the purpose of the switch along with contact names and numbers of both the Member and the REMC.

7) Initial Interconnection:

- a) Upon satisfactory completion of the review process and execution of required agreements as outlined in this DG Manual, the REMC will begin installation of the interconnection of the DG facilities. The interconnection will be completed as soon as practical after completion of the review process and execution of the necessary agreements/contracts. After completion of interconnection requirements and prior to initiation of service, the REMC will conduct a final inspection of the facilities and interconnection to the REMC's system. Upon final inspection satisfactory to the REMC and/or Power Supplier if applicable, or other controlling legal authority, the REMC will initiate service to the Member's DG facility.
- b) The REMC's review process and final inspection is intended as a means to help safeguard the REMC's facilities and personnel. The Member acknowledges and agrees that any review or acceptance of such plans, specifications and other information by the REMC and/or its Power Supplier shall not impose any liability on the REMC and/or its Power Supplier and does not guarantee the adequacy of the Member's equipment or DG facility to perform its intended function. The REMC and its Power Supplier disclaim any expertise or special knowledge relating to the design or performance of DG installations and does not warrant the efficiency, cost-effectiveness, safety, durability, or reliability of such DG installations.

V. REFUSAL TO INTERCONNECT SERVICE OR DISCONNECTION OF INTERCONNECTION SERVICE

The REMC may, at its sole discretion, prevent the interconnection or disconnect the interconnection of DG facilities, with or without notice, due to reasons such as safety concerns, reliability issues, power quality issues, breach of interconnection contract, or as ordered by any controlling legal authority, or any other issue which the REMC considers to be a reasonable basis for such action. Any disconnection may be without prior notice.

VI. OPERATION OF PARALLEL FACILITY

The purpose of this section is to outline the REMC's operational requirements (the fulfillment of which is the responsibility of the Member) for DG facilities operated in parallel with the REMC's system and is not intended to be a complete listing of all operational, regulatory, safety and other requirements.

1) Quality of Service:

- a) The Member's DG facility will generate power at the nominal voltage of the REMC's system at the Member's delivery point as defined by ANSI C84.1 Range A.
- b) Member's DG installation will generate sinusoidal power at a frequency of sixty hertz within the tolerances as defined by IEEE 1547.
- c) Member's DG facility shall produce power at a minimum power factor of at least 97% peak and average or member shall provide and utilize power factor correction capacitors to ensure at least a 97% peak and average power factor. Failure to comply with this provision may result in billing power factor penalties being assessed.
- d) Member's DG facility shall operate in accordance with the power quality limits specified in IEEE 519. This standard specifies generally acceptable harmonic distortion (both current and voltage) levels.
- e) The overall quality of the power provided by the Member's DG facility including, but not limited to, the effects of harmonic distortion, voltage regulation, voltage flicker, switching surges and power factor, will be such that the REMC system or other members are not adversely affected in any manner.
- f) In the event that adverse effects are caused in whole or in part by the Member's DG facility, the Member will correct the cause of such effects within 14 days of the initial adverse effect and reimburse the REMC for required costs incurred due to such correction and reimburse the REMC and its members, or any other affected entities, for documented and substantiated damages incurred due to Member's DG operation. However, the disconnection of the facilities by the REMC is permitted without notice if, in the sole judgment of the REMC, adverse effects may warrant immediate disconnection from the REMC's system.

2) Operation of Safety Disconnect, Whether Achieved by REMC Personnel Safely Pulling The Meter or Operation of a Separate Switch:

- a) The REMC shall have the right to pull the meter (if pulling the meter can be done safely) or lock the disconnect switch open when, in the sole judgment of the REMC:
 - (1) It is necessary to maintain safe electrical operating and/or maintenance conditions,
 - (2) The Member's DG system , in the sole judgement of the REMC, adversely affects the REMC's or other connected entities or member's system/service, or
 - (3) There is a system emergency (a system emergency may occur on the REMC, Power Supplier, MISO system or control area) or other abnormal operating condition warranting disconnection with or without notice.
 - (4) Or if ordered to do so by any controlling legal authority.
- b) The REMC reserves the right without incurring any liability to the Member to safely pull the meter or operate the disconnect switch for the protection of the REMC system even if so doing shall adversely affect the Member's DG facility. In the event the REMC opens and/or closes the disconnect switch with or without notice:
 - (1) The REMC shall not be responsible for energizing or restoring the parallel operation of the DG facility.
 - (2) The REMC will make reasonable efforts to notify the Member of the disconnection and the reasons thereof.
- c) The Member will not reset or re-energize the meter or bypass the disconnect switch at any time for any reason.
- d) Members with DG facilities as defined in this DG Manual that are solely for the purpose of emergency backup without intent to export power shall not operate their DG facilities at any time unless their electric system is visibly disconnected and locked out from the REMC system. At its sole discretion, the REMC may require the Member to install at his/her own expense an interlocking switch, approved by the REMC, for the purpose of insuring the Member's facilities do not operate in parallel with the REMC's facilities.

3) Access:

- a) Persons authorized by the REMC shall have the right to enter the Member's property for purposes of testing, operating the disconnect switch, reading or testing the metering equipment, maintaining right-of-way or other DG facility equipment and/or REMC service requirement. Such entry onto the Member's property may be at any time without notice.

- b) If the Member erects or maintains locked gates or other barriers, the Member will furnish the REMC with convenient means to circumvent the barrier for immediate full access for the above-mentioned reasons. The REMC shall not be responsible for any damage to gates, locks or other barriers incurred in carrying out the provisions of this section.

4) Liability for Injury and Damages:

- a) The Member assumes full responsibility for electric energy furnished by the Member and shall indemnify the REMC and/or its Power Supplier against, and hold the REMC and/or its Power Supplier harmless from, all claims, liability, damages, and expenses, including attorney's fees, based on any injury to any person, including loss of life or damage to any property, including loss of use thereof, arising out of, resulting from, or connected with, or that may be alleged to have arisen out of, resulted from, or connected with an act or omission by the Member, its employees, agents, representatives, successors, or assigns in the construction, ownership, operation, or maintenance of such party's facilities used in net billing.
- b) The REMC and/or its Power Supplier shall not be liable for either direct or consequential damages resulting from failures, interruptions, or voltage and waveform fluctuations occasioned by causes reasonably beyond the control of the REMC and/or its Power Supplier including, but not limited to, acts of God or public enemy, acts of terrorism, sabotage and/or vandalism, accidents, fire, explosion, labor troubles, strikes, order of any court or judge granted in any bona fide adverse legal proceeding or action, or any order of any commission, tribunal or governmental authority having jurisdiction. ALL PROVISIONS NOTWITHSTANDING, IN NO EVENT SHALL THE REMC BE LIABLE TO THE MEMBER FOR ANY INTEREST, LOSS OF ANTICIPATED REVENUE, EARNINGS, PROFITS, OR INCREASED EXPENSE OF OPERATIONS, LOSS BY REASON OF SHUTDOWN OR NON-OPERATION OF MEMBER'S PREMISES OR FACILITIES, OR FOR ANY INDIRECT, INCIDENTAL, OR CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF OR RELATED, IN WHOLE OR PART, TO THIS AGREEMENT. THE REMC SHALL NOT BE LIABLE IN ANY EVENT FOR CONSEQUENTIAL DAMAGES.
- c) The Member is solely responsible for insuring that the Member's facility complies with all applicable regulations including, but not limited to, laws, regulations, ordinances, REMC and REMC Power Supplier tariffs, policies and directives, and MISO policies and directives.

5) Notice of Change in Installation:

- a) The Member will notify the REMC in writing thirty (30) days in advance of making any change affecting the characteristics, performance, or protection of the DG facility.
- b) If any modification undertaken by the Member will create or has created conditions which may be unsafe or adversely affect the REMC system, the

Member shall immediately correct such conditions or be subject to immediate disconnection from the REMC system without notice.

- c) Any change in the operating characteristics of the DG facility including, but not limited to, size of generator, total facility capacity, nature of facility, fuel source, site change, hours of operation, or type used, may, at the sole discretion of the REMC, require a new application process, including, but not limited to, application form, application fee, DG plan and DG plan review by the REMC.

6) Testing and Record Keeping:

- a) The Member will annually test all aspects of the protection systems up to and including tripping of the generator. Testing will verify all protective set points and relay/breaker trip timing and shall include procedures to functionally test all protective elements of the system. The REMC may witness the testing. The REMC, pursuant to its sole judgment, may require that these tests be repeated at Member's expense.
- b) The Member will maintain records of all maintenance or testing activities, which the REMC may review at reasonable times.

7) Disconnection of Service:

The REMC may, at its sole discretion, discontinue the interconnection of DG installations due to reasons such as safety concerns, reliability issues, power quality issues, breach of interconnection contract or any other issue, which the REMC considers to be a reasonable basis for such action.

The REMC shall disconnect or discontinue interconnection of the DG facility, with or without notice, if ordered to do so by any controlling legal authority.

This instrument prepared July 2, 2008.

**WHITEWATER VALLEY REMC AGREEMENT FOR INTERCONNECTION AND
PARALLEL OPERATION OF DISTRIBUTED GENERATION
("Interconnection Agreement")**

**SHORT FORM CONTRACT
(10kW and Under)**

This Interconnection Agreement ("Agreement") is made and entered into this ____ day of _____, 20____, ("Effective Date") by Whitewater Valley REMC, ("REMC"), a corporation organized under the laws of Indiana, and _____ ("DG Owner/Operator"), each hereinafter sometimes referred to individually as "Party" or both referred to collectively as the "Parties". In consideration of the mutual covenants set forth herein, the Parties agree as follows:

The provisions of the REMC's Distributed Generation Procedures and Guidelines Manual for Members ("DG Manual") together with all Amendments, additions and modifications thereof made at any time, shall be considered to be a part of this contract.

This agreement provides for the safe and orderly operation of the DG Owner/Operator's electrical facilities and the interconnection of the DG Owner/Operator's facility(ies) (collectively "Facility") at

and the electrical distribution system ("System") owned by the REMC.

This Agreement does not supersede any requirements of any applicable tariffs in place between the DG Owner/Operator and the REMC.

1. **Intent of Parties:** It is the intent of the DG Owner/Operator to interconnect an electric power generator to the REMC's electrical distribution system.

It is the intent of the REMC to operate the distribution system to maintain a high level of service to its customers and to maintain a high level of power quality.

It is the intent of both parties to operate in a way that helps ensure the safety of the REMC and its Member, the DG Owner/Operator, the public and respective employees.

2. **Establishment of Point of Interconnection** - The point where the electric energy first leaves the wires or facilities of the system owned by the REMC and enters the wires or facilities of the Facility provided by DG Owner/Operator is the "Point of Interconnection." REMC and DG Owner/Operator agree to interconnect the Facilities at the Point of Interconnection in accordance with the REMC's Rules and Regulations and the DG Manual relating to interconnection of Distributed Generation.

3. **Operating authority:** The DG Owner/Operator is responsible for establishing operating procedures, safety procedures and standards within their scope of authority. The Operating Authority for the DG Owner/Operator shall ensure that the Operator in Charge of the generator constituting a part of the Facility is competent in

the operation of the electrical generation system and is aware of the provisions of any operating agreements and regulations relating to the safe operation of electrical power systems.

The operating authority for the DG Owner/Operator is:

Name or title of Operating Authority _____

Address _____

Phone number _____

4. **Operator in Charge:** The Operator in Charge is the person identified by name or job title responsible for the real time operation of the Facility owned or leased by the DG Owner/Operator.

The Operator in Charge for the DG Owner/Operator is:

Name or title of Operator in Charge _____

Address _____

Phone number _____

5. **Limitation of Liability and Indemnification:**

- a. Notwithstanding any other provision in this Agreement, with respect to the REMC's provision of electric service to DG Owner/Operator and the services provided by the REMC pursuant to this Agreement, REMC's liability to DG Owner/Operator shall be limited as set forth in the REMC's Bylaws, Rules and Regulations, and tariffs, which are incorporated herein by reference.
- b. Neither REMC nor DG Owner/Operator shall be liable to the other for damages resulting from a Force Majeure event as hereinafter defined.
- c. Notwithstanding Paragraph 5.b of this Agreement, the DG Owner/Operator shall indemnify and hold the REMC harmless from and against all claims, liability, damages, and expenses, including attorney's fees, based on any injury to any person, including loss of life or damage to any property, including loss of use thereof, arising out of, resulting from, or connected with, or that may be alleged to have arisen out of, resulted from, or connected with an act or omission by the DG Owner/Operator, its employees, agents, representatives, successors, or assigns in the construction, ownership, operation, or maintenance of such party's facilities used in net billing.
- d. REMC and DG Owner/Operator shall each be responsible for the safe installation, maintenance, repair and condition of their respective lines, wires, switches, or other equipment or property on their respective sides of the Point of Interconnection. The REMC, while retaining the right to inspect, does not assume any duty of inspecting the DG Owner/Operator's lines, wires, switches, or other equipment or property and will not be responsible therefore. DG Owner/Operator assumes all responsibility for the electric service supplied hereunder and the facilities used in connection therewith.
- e. For the mutual protection of the DG Owner/Operator and the REMC, only with

the REMC's prior written authorization are the connections between the REMC's service wires and the DG Owner/Operator's service entrance conductors to be energized.

- f. The provisions of this Section 5 shall survive any termination of this Agreement.

6. Insurance: Liability Insurance

Prior to interconnection, the DG Owner/Operator must provide (at DG Owner/Operator's expense) a certificate of insurance showing satisfactory liability insurance including contractual liability insurance covering indemnity agreements which insures the DG Owner/Operator against all claims for property damage and for personal injury or death arising out of, resulting from or in any manner connected with the installation, operation and maintenance of the DG Owner/Operator's generating equipment

The amount of such insurance coverage required to be provided by the DG Owner/Operator shall be not less than \$1,000,000 per occurrence. The amount of such coverage and the type of insurance coverage required shall be acceptable to the REMC and may be amended from time to time by the REMC at the sole discretion of the REMC.

The certificate shall provide that the insurance policy will not be changed canceled during its term without thirty days written notice to the REMC. The term of the insurance shall be coincident with the term of the interconnection contract or shall be specified to renew throughout the length of the interconnection contract. The DG Owner/Operator shall provide proof of such insurance to the REMC at least annually. Failure to comply with this provision may result in the REMC disconnecting/isolating Member's parallel DG facility or electrical service, with or without notice, from the REMC's electrical system.

7. Suspension of Interconnection:

It is intended that the interconnection shall not in any way compromise the REMC's protection or operational requirements. The operation of the DG Owner/Operator's Facility and the quality of electric energy supplied by the DG Owner/Operator shall meet the standards as specified by the REMC. If the operation of the DG Owner/Operator's Facility or quality of electric energy supplied (in the case of power export) does not meet the standards as specified, then the DG Owner/Operator shall take reasonable and expedient corrective action, including any such corrective action as requested by the REMC. The REMC shall have the right to disconnect the DG Owner/Operator's Facility until compliance is reasonably demonstrated. Notwithstanding, the REMC may in its sole discretion disconnect the DG Owner/Operator's Facility from the distribution system without notice if the operating of the Generating Plant/DG Facility may be or may become dangerous to life and/or property/facilities. Failure to comply with this provision may result in the REMC disconnecting/isolating Member's parallel DG facility or electrical service, with or without notice, from the REMC's electrical system.

8. **Compliance with Laws, Rules and Tariffs:** Both the REMC and the DG Owner/Operator shall be responsible for complying with all applicable laws, rules and regulations, including but not limited to the laws of the state of Indiana, and the REMC's DG Manual, Tariffs, Rules and Regulations, By-Laws and other governing documents. The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the tariff schedules and rules of the REMC as applicable to the electric service provided by the REMC, which tariffs and rules are hereby incorporated into this Agreement by this reference. The REMC shall have the right to publish changes in rates, classification, service or rule, with the proper notification to all DG owners/operators and REMC members.
9. **Maintenance Outages:** Maintenance outages will occasionally be required on the REMC's system, and the REMC will provide reasonable notice and planning as practicable to minimize downtime. It is noted that in some emergency cases such notice may not be reasonably possible. Compensation will not be made for unavailability of REMC's system.
10. **Access:** Access is granted as may be required by the REMC to the DG Owner/Operator's Facility for maintenance, inspections, operations and/or meter reading. The REMC reserves the right, but not the obligation, to inspect the DG Owner/Operator's Facility.
11. **Force Majeure:** For the purposes of this Agreement, a Force Majeure event is any event:
- (a) that is beyond the reasonable control of the affected Party; and
 - (b) that the affected Party is unable to prevent or provide against by exercising reasonable diligence, including the following events or circumstances, but only to the extent that they satisfy the preceding requirements: acts of war, acts of terrorism, public disorder, rebellion or insurrection; floods, hurricanes, earthquakes, lightning, storms or other natural calamities; explosions or fires; strikes, work stoppages or labor disputes; embargoes; and sabotage. If a Force Majeure event prevents a Party from fulfilling any obligations under this agreement, such Party will promptly notify the other Party in writing and will keep the other Party informed on a continuing basis as to the scope and duration of the Force Majeure event. The affected Party will specify the circumstances of the Force Majeure event, its expected duration and the steps that the affected Party is taking to mitigate the effect of the event on its performance. The affected Party will be entitled to suspend or modify its performance of obligations under this Agreement if a Force Majeure event prevents a Party from fulfilling such performance of obligations but will use reasonable efforts to resume its performance as soon as possible.
12. **Assignment** – If at any time during the term of this Agreement, the DG Owner/Operator desires to assign this Agreement to a corporation, an entity with limited liability, or an individual (the "Assignee"), such assignment may be made provided that the DG Owner/Operator obtains the prior written consent of the REMC in advance of the proposed assignment. The REMC's consent will be at the REMC's discretion based on whether or not the REMC determines that the Assignee is

financially and technically capable to assume ownership and/or operation of the DG unit. The company or individual to which this Agreement is assigned in accordance with the terms and conditions of this Agreement will be responsible for the proper operation and maintenance of the DG Facilities, and will be a party to all provisions of this Agreement.

13. **Term:** The term of this Agreement is a period of two (2) years from the Effective Date ("Initial Term"). This Agreement shall automatically renew in (1) year increments after the Initial Term unless terminated sooner. This Agreement may be canceled by either party with 30 days prior written notice to the other party during the Initial Term or any renewal period.
14. **Adjudication of Disputes:** Any dispute shall be brought forward to any Court of competent jurisdiction within the REMC's assigned Indiana service territory.
15. **Severability** -If any portion or provision of this Agreement is held or adjudged for any reason to be invalid or illegal or unenforceable by any court of competent jurisdiction, such portion shall be deemed separate and independent, and the remainder of this Agreement shall remain in full force and effect.

AGREED TO BY:

DG Owner/Operator

Whitewater Valley REMC

Name

Name

Title

Title

Date Signed

Date Signed

This instrument prepared _____

**EXHIBIT A
DESCRIPTION OF FACILITIES**

DG Owner/Operator will, at its own cost and expense, operate, maintain, repair, and inspect, and be fully responsible for its Facilities, unless otherwise specified on Exhibit A.

FACILITIES SCHEDULE

[The following information is to be specified for each Point of Interconnection, if applicable]

1. Name:
2. Facilities location:
3. Delivery voltage:
4. Metering (voltage, location, losses adjustment due to metering location, and other:
5. Normal Operation of Interconnection:
6. One line diagram attached (check one): / _____ Yes / _____ No
7. Facilities to be furnished by REMC:
8. Facilities to be furnished by DG Owner/Operator:
9. Cost Responsibility:
10. Control area interchange point (check one): / _____ Yes / _____ No
11. Supplemental terms and conditions attached (check one): / _____ Yes / _____ No
12. REMC rules for DG interconnection attached: / _____ Yes /

Whitewater Valley REMC

Application for Operation of Customer-Owned Generation

This application should be completed as soon as possible and returned to the REMC Customer Service representative in order to begin processing the request. See *Distributed Generation Procedures and Guidelines Manual for Members* for additional information.

INFORMATION: *This application is used by the REMC to determine the required equipment configuration for the generation interface. Every effort should be made to supply as much information as possible.*

OWNER/APPLICANT INFORMATION

Company: _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

Phone Number: _____ Representative: _____

PROJECT DESIGN/ENGINEERING (as applicable)

Company: _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

Phone Number: _____ Representative: _____

ELECTRICAL CONTRACTOR (as applicable)

Company: _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

Phone Number: _____ Representative: _____

TYPE OF GENERATOR (as applicable)

Photovoltaic _____ Wind _____ Microturbine _____

Diesel Engine _____ Gas Engine _____ Turbine Other _____

ESTIMATED LOAD INFORMATION

The following information will be used to help properly design the REMC customer interconnection. This information is not intended as a commitment or contract for billing purposes.

Total Site Load _____(kW) Total DG Output _____(kW)

Mode of Operation (check all that apply)

Isolated _____ Paralleling _____ Power Export _____

DESCRIPTION OF PROPOSED INSTALLATION AND OPERATION

Give a general description of the proposed installation, including when you plan to operate the generator.