



DISTRIBUTED GENERATION (DG) PROCESS HIGHLIGHTS

First and foremost, Kankakee Valley REMC will emphasize:

1. **Safety.** Taking all necessary precautions to ensure the safety of Kankakee Valley REMC's employees and members.
2. **Reliability.** Performing necessary tasks to protect and maintain the reliability and integrity of the power distribution grid.
3. **Cost Fairness.** Operating with fairness to other members of Kankakee Valley REMC from a cost causation point of view.

MEMBER/ KANKAKEE VALLEY REMC RESPONSIBILITIES

Kankakee Valley REMC and the member must work together in connecting distributed generation to the grid.

Kankakee Valley REMC and member must follow any applicable federal or state laws or regulations.

A written agreement, including a save and hold harmless clause, between Kankakee Valley REMC and the member is required to facilitate a safe, reliable and fair connection of the facility to the grid.

| ISSUE | REQUIRED | RESPONSIBILITY |
|-----------------------------------|----------|-------------------------------|
| APPLICATION | YES | Member |
| INSURANCE | YES | Member |
| WRITTEN INTERCONNECTION AGREEMENT | YES | Kankakee Valley REMC & Member |
| INTERCONNECTION | YES | Kankakee Valley REMC |
| INTERCONNECTION COSTS | YES | Member |
| INSPECTION | YES | Kankakee Valley REMC & Member |
| SERVICE, MAINTENANCE | YES | Member |

LIST OF SPECIFIC REQUIREMENTS

1. Completed Distributed Generation (DG) application including the following items:

a. Proof of a minimum \$500,000.00 liability insurance coverage

b. A *site plan drawing* showing the following:

- DG unit
- inverter
- building & other structures
- main electrical meter
- street address of the DG facility
- interconnection disconnect switch
- drawing scale or footages between key components

c. A *schematic diagram* of the total system

d. Minimum DG system protection requirements:

- Anti-islanding
- over/under voltage
- over/under frequency
- over-current protection
- loss of synchronism

e. Interconnection to the utility system must be accomplished using a Grid-tie Inverter. Inverters must be UL Listed and meet all specifications of UL 1741 and IEEE 1547.

- over/under voltage
- over/under frequency
- ground fault protection
- over-current protection
- over-current protection
- loss of synchronism
- power factor

f. Written procedure for disconnecting the DG facility from Kankakee Valley REMC's distribution system.

2. The following items are required at the time of the "*DG System Commissioning*":

- a. The interconnection disconnect switch shall be labeled "*Interconnection Disconnect Switch*" by means of a permanently attached sign with clearly visible and permanent letters. The procedure for disconnecting the DG facility shall be affixed next to the switch.
- b. Installation of an equipment grounding conductor, in addition to the ungrounded conductors, between the DG facility and Kankakee Valley REMC's distribution system.
- c. *Anti-islanding test.* Verification that the DG facility will automatically disconnect from Kankakee Valley REMC's distribution system in the event station power is lost thus protecting line workers and neighbors against an energized distribution system during restoration work.