

PSC No: 19 - Electricity
Rochester Gas and Electric Corporation
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GENERAL INFORMATION

10. DISTRIBUTED GENERATION INTERCONNECTION REQUIREMENTS (Cont'd)

there is a complaint or claim from a neighboring customer attributable to the need for a dedicated transformer.

3. RG&E has three-phase-four-wire wye distribution circuits. All three-phase service transformers shall be connected wye-wye and grounded on both high and low sides.
4. Voltage Regulation and Power Factor Correction--The customer is responsible for voltage regulation beyond the point of common coupling. The customer is strongly advised not to add power factor correction capacitors to a facility where it is possible to operate isolated from the utility.
5. Additional Generation--Generation that does not qualify for net metering may not be interconnected with the utility on the same service.
6. Stray Voltage in Dairy Barns--Upon receipt of a signed application to interconnect and before any construction takes place, RG&E reserves the right to perform a stray voltage investigation. There will be no charge for this stray voltage investigation.
7. Reclosers and Single Phasing--RG&E practices reclosing. Lines may trip and close several times during a single disturbance. Closing may occur as quickly as 0.2 seconds or as late as five minutes following a trip. Fused circuit laterals are common on rural distribution circuits. Fused laterals increase the possibility of single-phasing. Although these reclosing and fusing practices place no additional requirements on the interconnection, the customer should consider additional protection for the generator.

C. Distributed Generation Interconnection Requirements For New Distributed Generation Units Greater Than 300 kVA Connected To Radial Distribution Lines

1. Facilities Greater than 300 kVA

- a. Distributed generation may be installed at the customer's site for on-site use if it meets the Company's interconnection requirements to ensure distribution system safety and reliability, or if it is totally isolated from the Company's distribution system.
- b. If interconnected with the Company's transmission or distribution system, the customer must comply with all applicable rules and regulations under this Tariff and the Company's FERC Open Access Transmission Tariff (OATT).
- c. Proposed Relay Types and Settings for Fault and Isolation Protection Schemes: The customer shall provide a list of relays proposed for the fault and isolation protection schemes. Each relay's function, manufacturer, model, and range shall be indicated. The proposed settings for the fault protection relays shall also be provided. The Company specifies isolation protection relay settings.
- d. To avoid out-of-phase reclosing, the design of the customer's protection and control scheme shall take into account RG&E practice of automatically reclosing the feeder without synchronism check as quickly as 12 cycles after being tripped.
- e. DG equipment must perform in accordance with ANSI/IEEE C37.90.1, Surge Withstand Capability (SWC) and Fast Transient Test. The Company will consider protective equipment that cannot pass a surge test to be unreliable and potentially dangerous.

2. Application Process for Facilities Greater than 300 kVA. This Application Process must be followed in its entirety.

STEP 1: Initial Communication from the Potential Applicant.

Communication could range from a general inquiry to a completed application.

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