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COMPANY: CENTRAL HUDSON GAS & ELECTRIC CORPORATION REVISION: 0  
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### 3. APPLICATION FOR SERVICE (cont'd)

#### C. Distributed Generation Interconnection Requirements (cont'd)

##### I. PHOTOVOLTAIC INTERCONNECTION STANDARDS FOR RESIDENTIAL SOLAR ELECTRIC POWER PRODUCING FACILITIES OF 10 kW OR LESS

Technical Requirements For Interconnecting Residential Photovoltaic  
Power Producing Facilities 10 kW or Less, Single Phase, 600 Volts or  
Less, in Parallel With a Utility System

##### 1. Design Requirements

- A. The power producing facility shall be tested by a nationally recognized testing laboratory and conform to all applicable local, state and federal building codes and National Standards and any authorities having jurisdiction.
- B. The power producing facility shall have an automatic switching device operated by over and under voltage protection and over and under frequency protection:
  - 1) The power producing facility shall automatically disconnect from the utility system within six cycles if the voltage falls below 60 volts (nominal 120 volt base) at the inverter interface point.
  - 2) The power producing facility shall automatically disconnect from the utility system within two seconds if the voltage rises above 132 volts or falls below 104 volts (nominal 120 volt base) at the inverter interface point.
  - 3) The power producing facility shall automatically disconnect from the utility system within two cycles if the voltage rises above 180 volts (nominal 120 volt base) at the inverter interface point.
  - 4) The power producing facility automatically shall disconnect from the utility system within six cycles if the frequency rises above 60.5 Hertz or falls below 59.3 Hertz at the inverter interface point.

Issued by: Arthur R. Upright, Senior Vice President, Poughkeepsie, New York