Return Completed Application to your local Entergy representative or if you do not have an assigned representative contact 1-800 - Entergy.com to be assigned a representative. **The Customer may want to have the vendor of the equipment or a Professional Engineer help fill out this application and checklist.**

Customer’s Name: \_\_

Address: \_\_

Contact Person: \_\_\_

Telephone Number: \_      e-mail: \_      Fax: \_\_

Service Point Address: \_\_\_

Information Prepared and Submitted By: \_\_

(Name and Address) \_\_\_

Signature \_\_

The Customer or Customer’s designated representative shall supply the following information. All applicable items must be accurately completed in order that Entergy may effectively evaluate the Customer’s generating facilities for interconnection with the Company’s distribution system.

##### GENERATOR

Number of Units[[1]](#footnote-1): \_\_

Manufacturer & model number: \_\_\_

Type (Synchronous, Induction, or Inverter): \_\_\_\_

Fuel Source Type (Solar, Natural Gas, Wind, etc.): \_\_

Kilowatt Rating (nameplate and at 95 degree F at location) \_\_

Kilovolt-Ampere Rating (nameplate and at 95 degree F at location): \_\_\_

Power Factor: \_\_\_\_\_

Voltage Rating: \_\_\_\_

Ampere Rating: \_\_\_\_

Company\_\_\_\_\_\_\_     \_\_\_Date\_\_\_     \_\_

Number of Phases: \_\_\_\_\_

Frequency: \_\_\_\_\_

Short Circuit Current:\_\_\_

Will you supply the necessary VAr requirements? \_\_\_\_\_\_\_\_\_Yes / \_\_\_\_\_\_\_\_\_\_\_\_\_No

Do you plan to export power? \_\_\_\_\_\_\_\_\_\_\_\_\_Yes / \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_No

If Yes, maximum amount expected: \_\_\_

Expected Energizing and Start-up Date: \_\_

Normal Operation of Interconnection: (examples: provide power to meet base load, demand management, standby, back-up, other (please describe))\_\_\_\_

One-line diagram attached: \_\_\_\_\_\_\_\_\_\_Yes

(Adequate drawings of the Customer's proposed facility, which will include a one line diagram and proposed relay systems, must be submitted to the Company for review during the planning stage. Additional drawings may be required on a case by case basis. (3.9.4))

List of specifications on protective devices attached? \_\_\_\_\_\_\_\_\_\_Yes

Has the generator Manufacturer supplied its dynamic modeling values to Entergy? \_\_\_\_\_\_\_Yes

## Customer’s Generation Case (1.2-pages 4-5)\_\_\_

## 1.4 Distributed Generation Technical Requirements Compliance Checklist (pg 8-9 ) included as attachment with answers to requirements based upon Customer’s Generation Case

Layout sketch showing lockable, "visible" disconnect device for hot and neutral circuits? \_\_\_\_\_\_\_\_\_\_\_\_\_Yes

[CUSTOMER NAME]

BY: \_\_\_

TITLE: \_

DATE: \_

## **Company \_****Date\_\_**

## **1.4 Distributed Generation Technical Requirements Compliance Checklist**

**The Customer is responsible for all the applicable requirements in this Standard.** This checklist is a guide to the requirements that can be found in detail in distribution standard DR07-01, (Section numbers are provided after each requirement.) Two objectives must be met to arrive at compliance by the proposed installation:

1. **Safety**: The Customer’s facilities will be held to the same standard of care, as the Company is required to maintain. In addition, the safety of the general public and the personnel and equipment of the Company shall in no way be reduced or impaired as a result of the interconnection.
2. **Customer Impact**: The quality, reliability and the availability of service to the Company’s other Customers shall not be diminished or impaired as a result of the interconnection.

**(Customer shall supply Description of Proposed Compliance information consistent with the Generation Case)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Entergy Requirement** | **Description of Proposed Compliance** | **Adequate**  **Y N** | **Comments** |
| **Required for Case 2** |  |  |  |
| 1. Provide accessible gang operated load break switch. (3.14.3, 3.14.1 & 3.14.2) |  |  |  |
|  |  |  |  |
| **Also required for Case 3** |  |  |  |
| 2. Block generator from energizing dead circuits. (3.14.3.5) |  |  |  |
| 3. Synchronize system within ½ cycle. (3.16) |  |  |  |
| 4. Isolate zero sequence circuit between systems. (3.20) |  |  |  |
| 5. Specify protective devices and settings. (3.14 & 3.17) |  |  |  |
| 6. Supply reactive power. (3.9.7) |  |  |  |
|  |  |  |  |
| **Additional Requirements for Cases 4,5,6& 7 on following page** |  |  |  |

**Company Date**

|  |  |  |  |
| --- | --- | --- | --- |
| **Entergy Requirement** | **Description of Proposed Compliance** | **Adequate (Y/N)** | **Comments** |
| **Requirements for Cases 2 & 3 which apply to Cases 4,5,6& 7 on previous page** |  |  |  |
|  |  |  |  |
| **Also required for Case 4** |  |  |  |
| 7. Disconnect intertie within 10 cycles of a service interruption or fault. (3.14.3.2,3.14.3.5’)and do not come back on the system for five minutes (**3.9.12)** |  |  |  |
| 8. Install fault-interrupting device (3.14.3.4) |  |  |  |
| 9. Limit voltage flicker. (3.9.10) |  |  |  |
| 10. Limit voltage surges and sags to range of +10% of nominal voltage. (3.9.9) |  |  |  |
| 11. Limit abnormal frequency (3.9.11) |  |  |  |
| 12. Identify power factor. (3.9.8) |  |  |  |
| 13. Limit harmonic voltage and current. (3.9.13) |  |  |  |
|  |  |  |  |
| **Also required for Cases 5-6** |  |  |  |
| 14. Install metering and telemetering equipment. (3.18 & 3.19) |  |  |  |
| 15. Maintain continual operating communications. (3.19 – 2B) |  |  |  |
|  |  |  |  |
| **Also Required for Case 7** |  |  |  |
| 16. Transmission Standard PM3901 |  |  |  |
| 17. FERC Orders 2006, 2006A & 2006B (see 4.0 References) |  |  |  |

1. If multiple units are installed and they are not identical, one application must be prepared for each dissimilar unit. [↑](#footnote-ref-1)