

**APPENDIX 8-2 to LGIP**  
**TRANSITIONAL CLUSTER STUDY AGREEMENT**  
**[Applicable to Section 7.2 Transitional Cluster Study Process]**

**THIS AGREEMENT** is made and entered into this \_\_\_ day of \_\_\_\_\_, 20\_\_ by and between \_\_\_\_\_, a \_\_\_\_\_ organized and existing under the laws of the State of \_\_\_\_\_, ("Interconnection Customer,") and Santee Cooper a body corporate and politic existing under the laws of the State of South Carolina, ("Transmission Provider"). Interconnection Customer and Transmission Provider each may be referred to as a "Party," or collectively as the "Parties."

**RECITALS**

**WHEREAS**, Interconnection Customer is proposing to develop a Large Generating Facility or generating capacity addition to an existing Generating Facility consistent with the Interconnection Request submitted by Interconnection Customer dated \_\_\_\_\_; and

**WHEREAS**, Interconnection Customer desires to interconnect the Large Generating Facility with the Transmission System pursuant to Transmission Provider's most recently approved Large Generator Interconnection Procedures ("the LGIP"); and

**WHEREAS**, Interconnection Customer has requested Transmission Provider to perform such a Transitional Cluster Study as described in Section 7.2 of this LGIP, which is a Definitive Interconnection System Impact Study to specify and estimate the cost of the equipment, engineering, procurement and construction work needed to physically and electrically connect the Generating Facility as well as other proposed Generating Facilities that established Queue Numbers prior to the Transmission Provider's transition to a Definitive Interconnection Study Process and the Cluster Study transition notice date established in Section 7.

**WHEREAS**, Interconnection Customer has met all requirements described in Section 7.2 of the LGIP within the timeframe prescribed by Section 7 to enter into the Transitional Cluster Study; and

**NOW, THEREFORE**, in consideration of and subject to the mutual covenants contained herein the Parties agreed as follows:

- 1.0 When used in this Agreement, with initial capitalization, the terms specified shall have the meanings indicated in Transmission Provider's LGIP. References to "Sections" shall be specified Sections of the LGIP.
- 2.0 Interconnection Customer elects and the Transmission Provider shall cause to be performed a Transitional Cluster Study as described in Section 7.2 of the LGIP. By execution of this Agreement, Interconnection Customer and Transmission Provider agree to rescind any previously executed System Impact Study Agreement and to complete the Transitional Cluster Study pursuant to this Agreement.
- 3.0 The Transitional Cluster Study shall be based upon the technical information provided by Interconnection Customer in the Interconnection Request. The Transmission Provider reserves the right to request additional technical information from Interconnection Customer as may reasonably become necessary consistent with Good Utility Practice during the course of the Transitional Cluster Study and Interconnection Customer shall provide such data.
- 4.0 The Transitional Cluster Study report shall provide the following information:
  - identification of any circuit breaker short circuit capability limits exceeded as a result of the interconnection;
  - identification of any thermal overload or voltage limit violations resulting from the interconnection;
  - identification of any instability or inadequately damped response to system disturbances resulting from the interconnection, and
  - shall provide a description, estimated cost of, schedule for required facilities to interconnect the Large Generating Facility to the Transmission System and shall address the short circuit, instability, and power flow issues identified in the most recently published System Impact Study.
- 5.0 Interconnection Customer has met all requirements described in Section 7.2.1 within the timeframe prescribed by Section 7 to enter into the Transitional Cluster Study.
- 6.0 In addition to meeting all requirements of Section 7.2.1 to enter and proceed through the Transitional Cluster Study, Interconnection Customer shall have previously provided a deposit for the performance of Interconnection Studies at the time of its Interconnection Request. Interconnection Customer's initial deposit shall be applied towards the Transmission Provider's cost of completing the Transitional Cluster Study, and shall be supplemented, if required, pursuant

to Section 7.2(c.).

The Interconnection Customer shall be allocated the actual costs of the Transitional Cluster Study according to the method described in Section 10.3. If the Interconnection Customer withdraws the Interconnection Request at any time after Phase 2 commences, the Interconnection Customer shall be subject to the Withdrawal Penalty identified in Section 7.2.6 and the collected amount shall be distributed to fund re-studies of the Transitional Cluster Study or future Cluster Study costs pursuant to Section 4.7.1.2, unless the Transmission Provider determines consistent with Good Utility Practice that a Withdrawal Penalty should not be assigned pursuant to Section 4.7.1. If the Interconnection Customer withdraws or otherwise does not reach Commercial Operation, the deposit(s) required by Section 7.2 is fully refundable once the final invoice for study costs and Withdrawal Penalty is settled.

- 7.0 Miscellaneous. The Transitional Cluster Study Agreement shall include standard miscellaneous terms including, but not limited to, indemnities, representations, disclaimers, warranties, governing law, amendment, execution, waiver, enforceability and assignment, that reflect best practices in the electric industry, that are consistent with regional practices, Applicable Laws and Regulations and the organizational nature of each Party. All of these provisions, to the extent practicable, shall be consistent with the provisions of the LGIP and the LGIA. Interconnections Customers proceeding through the Transitional Cluster Study process shall separately execute a Facilities Study Agreement, as provided for in Section 7.2.4.

**IN WITNESS WHEREOF**, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

**Santee Cooper**

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**[Insert name of Interconnection Customer]**

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**ATTACHMENT A TO APPENDIX 8-2 to LGIP  
TRANSITIONAL CLUSTER STUDY AGREEMENT**

**ASSUMPTIONS USED IN CONDUCTING THE  
TRANSITIONAL CLUSTER STUDY**

[Assumptions to be completed by Interconnection Customer and Transmission Provider]

- 1) Large Generating Facility Project Name: \_\_\_\_\_
- 2) Designation of Point of Interconnection to be studied: \_\_\_\_\_
- 3) The type of interconnection service requested (check one):
  - Energy Resource Interconnection Service
  - Network Resource Interconnection Service
- 4) Large Generating Facility Type (check all that apply):
  - Solar
  - Battery
  - Gas
  - Wind
  - Other: \_\_\_\_\_
- 5) If Battery was selected for the Generating Facility Type, please provide complete the following:
  - a. Will the batteries be AC or DC coupled:
    - AC Coupled
    - DC Coupled
  - b. Will the batteries be configured in such a way that they will require charging from Santee Cooper's (or another provider's) transmission system?
    - Batteries will be charged from Solar only.
    - Batteries will require charging from Santee Cooper's (or another provider's) transmission system.

Batteries charged from both sources.

6) Targeted In-Service Date (for study purposes only): \_\_\_\_\_

7) Size of the Interconnection Facility:

Summer (MW): \_\_\_\_\_

Winter (MW): \_\_\_\_\_

8) Please provide the most updated versions of the following concurrently with the partially executed agreement. Please place a check mark next to each updated document that is being provided.

Single Line Diagram

Manufacturer Data Sheets

Applicable Modeling Curves (P-Q Curve, D Curve, Etc.)

GSU information

PSSE Dynamic Inverter Model (Including available data regarding tripping levels)

9) Is this facility sharing a breaker or switching station with a higher queued facility? If so please describe:

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