

**ANNEX I**

**SYSTEM OPERATION DEPARTMENT PROCEDURE  
No. SO3-30-1**

**CON EDISON SYSTEM OPERATION DEPARTMENT  
PROCEDURE**

**SUBJECT:** OPERATIONS PROCEDURE BETWEEN CON EDISON AND SCS ENERGY, LLC

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**REVISED BY:**

**APPROVED:**  
CHIEF DISTRICT OPERATOR

**DATE:**

**1.0 PURPOSE**

- 1.1 This procedure describes the operating requirements between Con Edison's System Operation Department and SCS Energy, LLC's Generation Plant (the "Plant") connected to the Con Edison electrical system at Astoria East Substation as illustrated on Astoria 60 cycles operating diagram 120.
- 1.2 This procedure does not supersede any conditions set forth in the SCS Energy, LLC-Con Edison Interconnection Agreement. Additional System Operation procedures and policies govern the operating relationship with SCS Energy, LLC including but not limited to the Con Edison General Instructions Governing Work On System Electrical Equipment ("Rulebook"), and the System Operation Department's Procedures.

**2.0 PROCEDURE**

- 2.1 Operating one-line diagrams 120 and [###] show the operating interconnections, herein referred to as the "Interconnection" that are under the operating jurisdiction of Con Edison's System Operation Department. The diagram will be updated, following construction of the Plant, to reflect the final configuration of facilities constituting the Interconnection.
- 2.2 SCS Energy, LLC will operate the Plant and provide advance notification to the Con Edison Chief District Operator in the event that the Plant will be operated by a different entity.
- 2.3 The Con Edison District Operator "District Operator" or Con Edison System Operator "System Operator" shall direct all operations on the Interconnection in accordance with System Operation's Department Procedures/Con Edison specifications and the Rulebook. All operations in Con Edison Substations shall be under the provisions outlined in the Rulebook.

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- 2.4 The Plant shall respond to emergencies as directed by the System Operator, and/or District Operator.
- 2.5 The Plant shall provide to the Chief System Operator the generator's MVAR capability curves, and the Generator Step Up transformer's No Load Tap Changer ranges and settings after each update.
- 2.6 In order to not exceed the nominal designed capacity of the Astoria East Substation equipment in the case of a trip out of Con Edison feeders exiting Astoria East Substation, the Plant shall reduce its MW output upon notification from the Con Edison District Operator or System Operator.

### **3 SCHEDULING**

- 3.1 The Plant Outage Coordinator shall request outages from Con Edison's Scheduling District Operator on the Interconnection in accordance with Section 6 of the Rulebook and all appropriate System Operation Procedures. This does not include any notifications that should be made directly between the Plant and the Independent System Operator (ISO). The Con Edison Scheduling District Operator can be reached at 212-580-6767, 68.
- 3.2 If changes are proposed to the Interconnection as depicted on the 60 cycle operating diagrams, the Plant Outage Coordinator shall submit two (2) copies of "Before and After" sketches as part of the scheduling outage work package in accordance with System Operation procedure SO9-14, "Updating Feeder Prints, Vault Prints and Operating Diagrams" to the Scheduling District Operator within Con Edison. If such changes will result in alterations to the Interconnection or to the Plant's capability, the Plant must submit the change for prior review and approval by Con Edison's Chief Engineer of Substation Engineering and/or the Manager of Planning and Engineering.

### **4 SWITCHING**

- 4.1 The Plant shall maintain an updated list of personnel authorized by SCS Energy, LLC to perform switching within

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the Plant. Updated lists shall be transmitted to the Con Edison Chief District Operator after each update, and as requested by Con Edison System Operations, and will be utilized when issuing operating orders (see Appendix A). The Plant shall ensure that a qualified control room operator will always be available at the Plant control room.

- 4.2 Con Edison's District Operator and System Operator shall have a direct line to the Control Room Operator and if such direct line is not available for any reason, the Control Room Operator can be reached via outside telephone line at (phone number(s) will be provided when available) or such other telephone line as the Plant shall provide. The Plant shall notify the District Operator of any change in their control room outside telephone number.
- 4.3 All changes in the operating status of equipment affecting the Interconnection shall be under the sole authority of the System Operator, as stated in Section 2 of the Rulebook and in System Operation's Department procedures. The Plant Operators may operate to remove equipment from service within the Plant that is in imminent danger of failure and poses a direct hazard to people and/or equipment in the area as defined in the Rulebook for a Category 1 Emergency. If possible, the Plant Operator shall provide advance notification to the System Operator, or District Operator.
- 4.4 In the event of a Category I emergency involving the Interconnection, the Plant shall call the appropriate District Operator on the emergency telephone:
- Brooklyn/Queens                      212-580-6667
- 4.5 The District Operator may as necessary, during an emergency, de-energize or otherwise operate any portion of the Interconnection as required, without advance notification to the Plant Operator.
- 4.6 The District Operator, when directed by the System Operator, shall issue all orders to an authorized Plant Operator who will prepare an operating order and dispatch qualified operators to carry out the order in accordance with Section 5 of the Rulebook.

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4.7 In the event of automatic operations, relays may operate at the Plant. The Control Room Operator shall be responsible, as directed by the District Operator, for collecting and providing relay target information, damage reports and equipment operations as soon as possible as outlined in System Operation procedure SO5-4, "Transmission Feeder Reclosure Procedure". The same information related to equipment in Substations that directly affect the Plant will be provided by the District Operator to the Control Room Operator.

4.8 If practical, the District Operator shall notify the Plant Operator of any potential system operations and conditions that may affect Plant equipment.

## **5 WORK PERMITS**

5.1 The District Operator shall authorize the issuance of Work Permits for any work that affects equipment identified as part of the Interconnection.

5.2 All Work Permits shall be issued in accordance with Sections 5 and 10 of the Rulebook and appropriate System Operation procedures.

5.3 The District Operator, when directed by the System Operator, shall request a guarantee from the Control Room Operator. When making this request the District Operator shall state the required protection. The Control Room Operator shall then issue an operating order for the requested protection and dispatch qualified operating personnel to carry it out. When completed the Control Room Operator will notify the District Operator that protection has been provided as ordered, and shall give her/him the number of the operating order that is her/his guarantee. This protection shall not be changed until the District Operator notifies the Control Room Operator that the work is complete and protection may be removed.

## **6 OPERATING**

6.1 System Operation Department requirements for establishment, operation, maintenance, and dispatch of

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Non Utility Generator (NUG) facilities (also known as Independent Power Producers or IPPs) connected to the Con Edison electric transmission/distribution and steam systems are described on Con Edison procedure SO3-20 "Non-Utility Generators."

- 6.2 As referenced in SO3-20, SCS shall have operating alarms installed at the facility to respond to Con Edison electric system emergencies. These alarms, which will be initiated from the Con Edison Energy Control Center, shall include the following:

- Fast Load Pickup
- Maximum Generation.

- 6.3 The plant shall be equipped with the required equipment and the operators shall respond to these alarms as specified in Con Edison procedure SO5-19.

## **7 REFERENCES**

- 7.1 System Operation procedure index.
- 7.2 General Instruction Governing Work on System Electrical Equipment (Rulebook).
- 7.3 System Operation procedure, SO9-14, "Updating Feeder Prints, Vault Prints and Operating Diagrams".
- 7.4 System Operation procedures, SO5-4, "Transmission Feeder Reclosure".
- 7.5 System Operation procedure, "SO7-4, "Requirements for Energizing New Facilities".
- 7.6 System Operation procedure, SO5-19, "System Operator-Combined Maximum Generation-Fast Load Pickup Alarms System"
- 7.7 System Operation procedure, SO3-20 "Non-Utility Generators."

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APPENDIX A

Operators Authorized to Take Orders from the D.O.

Name \_\_\_\_\_ Telephone # \_\_\_\_\_

[TO BE FILLED IN THE FUTURE BY BCS]