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Received - 2022-01-25 10:04:10 AM Control Number - 35077 ItemNumber - 1370



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January 25, 2022

Filing Clerk Public Utility Commission of Texas 1701 N. Congress Avenue P.O. Box 13326 Austin, TX 78711-3326

RE: Project No. 35077, ERCOT Standard Generation Interconnection Agreement between CenterPoint Energy Houston Electric, LLC and Myrtle Solar, LLC

To whom it may concern:

Enclosed for filing in Project No. 35077 is Amendment One to the ERCOT Standard Generation Interconnection Agreement (SGIA) dated October 18, 2019 between CenterPoint Energy Houston Electric, LLC and Myrtle Solar, LLC. This filing is made pursuant to 16 Tex. Admin. Code § 25.195(e).

Respectfully submitted,

S. mon

Mickey Moon Assistant General Counsel CenterPoint Energy Houston Electric, LLC

Enclosures: (1) Executed SGIA Amendment Provisions

AMENDMENT ONE TO ERCOT STANDARD GENERATION INTERCONNECTION AGREEMENT

This Amendment One ("Amendment") to the Myrtle Solar Project Electric Reliability Council of Texas Standard Generation Interconnection Agreement, (the "SGIA") dated October 18, 2019, is made between **Myrtle Solar, LLC** ("Generator") and **CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC** ("CenterPoint Energy"), (collectively, "the Parties") effective on the 18th day of January, 2022. In consideration of the mutual promises and undertakings herein set forth, Generator and CenterPoint Energy agree to amend the SGIA as follows:

Exhibit "C" dated October 18, 2019 is replaced with the Exhibit "C" dated January 18, 2022, which is attached to this Amendment One.

Exhibit "D" dated October 18, 2019 is replaced with the Exhibit "D" dated January 18, 2022, which is attached to this Amendment One.

Except as otherwise expressly provided for herein, the SGIA will continue in full force and effect in accordance with its terms.

Generator and CenterPoint Energy have caused this Amendment to be executed in several counterparts, each of which shall be deemed to be an original, but all shall constitute one and the same instrument.

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC

MYRTLE SOLAR, LLC

6	— DocuSigned by:	DocuSigned by:	
By:	Kevin Sarvis	By:	
Name:	A2859C8857384EF. Kevin Sarvis	Marc-Antoine PIGNON	
Title:	Manager, Transmission Accounts and	Support CEO	
Date:	January 24, 2022	Date: January 24, 2022	_

CenterPoint Energy Contract # INT-19-267A

Exhibit "C" Interconnection Details

- 1) Plant Name: Myrtle Solar ("Plant").
- 2) Point of Interconnection Location

 A) TSP system side of Plant's terminating structures inside Generator's GIFSUB, located approximately at <u>29.228182^oN</u>, <u>95.428289^oW</u>.
- 3) Delivery Voltage: 138 kV
- 4) Number and Size of Generating Unit(s)

A) Plant will be comprised of seventy-three (73) PV solar inverters with a total net rating of 313 MW ("Planned Capacity"), which is projected to be the Plant's Net Dependable Capability, as defined by ERCOT Requirements.

5) Type of Generating Unit

A) Description: ⁷3 GamesaElectric PV 4⁷00 UEP inverters, each generates 4.4MW at the inverter terminal.Each inverter has its own .690 –34.5 kV step–up transformer.

B) Each step-up, standby and auxiliary transformer connected at Delivery Voltage shall have a 138 kV circuit breaker for isolation from the TIF.

C) Electrical characteristics of Plant's generating units shall be in accordance with the most recent version of data that Generator has provided to TSP and shall be consistent with data provided to ERCOT.

6) Metering Equipment

- A) TSP shall provide and install ERCOT Polled Settlement (EPS) primary and check meters, 13 8 kV instrument transformers and associated wiring required for measuring the output of the Plant's generation and auxiliary electrical load at TSP's ANGLETON Substation. The 138 kV metering instrument transformers for the EPS metering shall be procured by TSP and owned, maintained, and replaced by TSP. TSP shall install and maintain the metering system's components in a manner consistent with ERCOT Requirements and the PUCT Substantive Rules. TSP shall provide a port in TSP's RTU for Generator. Generator shall provide a serial communication port for TSP at Generator's RTU or DCS.
- 7) Generator Interconnection Facilities (GIF)
 - A) Generator shall furnish, operate, and maintain a complete generation facility capable of generating the Planned Capacity, including, but not limited to, all generators, power system stabilizers, generator step-up transformers, protective devices, and other transformers and associated foundations, the terminating structures, all relays necessary for the protection, synchronization and

coordination of the generators, generator auxiliary equipment and the disconnect switches and foundations at the Point of Interconnection.

- B) The generation unit(s) shall meet all voltage and reactive requirements as outlined in the ERCOT Protocols, ERCOT Operating Guides, and Other Binding Documents.
- C) Generator shall furnish, own and maintain the connection from Plant's equipment to Plant's terminating structure at the Point of Interconnection, including phase conductors, static conductors, structure(s), tower fittings, suspension insulators, terminating clamps and line conductor terminal fittings.
- D) TSP shall provide to Generator the TSP's alpha/numeric identifiers for incoming 138 kV transmission lines and shall provide TSP's alpha/numeric identifiers for high voltage circuit breakers, switches, power transformers, generators and certain low side equipment and the TSP's assigned 6-character substation identification for the GIF. The GIF high voltage circuit breakers, switches, transformers, generators and certain low side equipment, including feeder breakers, shall be identified with TSP's identifiers. TSP will develop a substation basic one-line diagram that includes these identifiers. The Generator shall mark these identifiers on the substation equipment. TSP may stencil identification numbers on substation equipment and mount signs, labels, drawings, telephone numbers, and instructions on the GIF. The Generator shall use TSP's assigned substation name, or Substation ID, and equipment identifiers in discussions with TSP and ERCOT.
- E) Generator shall provide the foundations for Plant's terminating structures and disconnecting devices. Generator shall design and install the Plant's terminating structure(s), and disconnecting devices in accordance with TSP's conductor loading requirements.
- F) Generator shall connect its generating Plant ground mat to TSP's transmission tower static wires at the Plant's terminating structures. Static wire(s) shall be bonded directly to the generating plant's ground mat via use of dedicated grounding conductor(s) of adequate ampacity to establish main electrical bond(s).
- G) Electrical characteristics of Plant's Generator Interconnection Facilities shall be in accordance with the most recent version of TSP's "Specification for Customer 138 kV Substation Design" attached as Exhibit "I" and in particular, the section pertaining to "Generation".
- H) Generator shall provide a disconnect switch located on Generator's terminating structure(s) for connection to TSP's System.
- I) Generator shall provide NEMA four-hole pads on Plant's disconnect switch for connection to NEMA four-hole pads on TSP's connecting conductors.
- J) Generator shall grant to TSP all necessary land rights, in a form acceptable to and drafted by TSP.
- K) If control cable is utilized between the GIF and TIF, then Generator shall provide and maintain one or more duct banks (cable trenches) for communication, instrumentation, and control, and protective relaying circuits ("Control Duct Bank") to a Generator provided common manhole or handhole intersection point at the property interface with ANGLETON Substation, as shown on the ANGLETON Substation Development Plan, identified below.

- L) Generator shall provide a duct bank or cable trench, for a station service power supply ("Station Service Raceway") to a Generator provided common manhole intersection point at the property interface with ANGLETON Substation.
- M) Generator shall provide a three-wire, ungrounded wye, 480-volt ac source of station service power, capable of supplying up to 300, in the Power Service Duct Bank.
- N) Generator shall provide station service power supply cables of sufficient length to connect from Plant to the ANGLETON Substation control house, but Generator shall only be responsible for pulling station service power supply cables in Power Service Duct Bank to property interface point between Plant and ANGLETON Substation.
- O) Generator shall own all protective relays, instrument transformers, instrumentation, and control equipment physically located on Plant side of the Points of Interconnection.
- 8) TSP Interconnection Facilities (TIF)
 - A) Generator shall facilitate conveyance to TSP, and TSP shall purchase, fee title to the property for the ANGLETON Substation located in Brazoria County at an agreed price that shall not be greater than the market price as determined by an independent appraisal, the cost of said appraisal shall be split evenly between Generator and TSP. TSP shall expand the ANGLETON Substation on real property at the location shown in Exhibit H.
 - B) TSP shall complete its entire scope of work on the ANGLETON Substation (except for Punch List Items) including, but not limited to, bus works, supports, structures, circuit breakers, disconnect switches, relays, and other equipment necessary for protection and coordination, controls, and wiring all as necessary to provide an interconnection between Plant's generation facilities and TSP's System; energize the same, and interconnect with Plant, all as provided herein.
 - 1) Punch List Items are defined as those non-material items of work that remain to be performed in order to ensure full compliance with this Agreement. Punch List Items do not include any items of work, alone or in the aggregate, non-completion of which (i) prevents the ANGLETON Substation from being used for its intended purposes as described in this Agreement or in accordance with applicable laws; (ii) prevents the ANGLETON Substation from being legally, safely, and reliably placed in commercial operation; or (iii) in the exercise of reasonable engineering judgment could have an adverse effect on the operation, efficiency, or reliability of the ANGLETON Substation, or its ability to transmit the Plant's power to the ERCOT grid.
 - C) TSP shall furnish, own, and maintain the connection from TSP's equipment to Plant's terminating structure(s) at the Point of Interconnection, including phase conductors, static conductors, structures, tower fittings, suspension insulators, terminating clamps and line conductor terminal fittings with NEMA standard four-hole flat pads for attachment to the NEMA four-hole pads on Plant's disconnecting device.
 - D) TSP shall furnish, own, and maintain the connection from ANGLETON Substation to TSP's transmission system.

- E) TSP shall develop and install transmission improvements that it determines, in its sole discretion, are foreseeable and reasonably necessary to safely, reliably, and economically integrate the Plant into the TSP System. TSP MAKES NO PROMISE, REPRESENTATION, OR WARRANTY AS TO WHETHER THE TSP SYSTEM WILL BE FREE OF CONSTRAINTS AT ANY TIME, INCLUDING BUT NOT LIMITED TO TIMES WHEN THE TRANSMISSION IMPROVEMENTS UNDER THIS AGREEMENT ARE BEING MADE OR AFTER THEIR COMPLETION.
- F) TSP shall expand its existing ANGLETON Substation as shown on the drawing entitled "CenterPoint Energy 138 kV Development Plan for Myrtle Solar/Angleton Generation Project, "Basic Offer," dated 06-26-18 ("Attached Drawings – Exhibit "H").
- G) Generator shall grant to TSP all necessary land rights, in a form acceptable to and drafted by TSP.
- H) If the Generator provides station service, then TSP shall provide a duct bank or cable trench, as mutually agreeable, for a station service power supply ("Station Service Raceway") to a common manhole, provided by Generator, located at the property interface with Plant, as shown on the ANGLETON Substation Development Plan, identified above.
- I) If the Generator provides station service, then TSP shall be responsible for pulling station service power supply cables in Power Service Duct Bank from the property interface point with the Plant to the ANGLETON Substation.
- 9) Communications Facilities
 - A) TSP shall provide and maintain, at TSP's expense, a communication circuit for real-time data transmittal via SCADA equipment from the ANGLETON Substation to TSP's Energy Management System.
 - B) Generator shall provide a fiber optic communication interface device on its end of the fiber and TSP will provide a fiber optic communication interface device on its end of the fiber associated with the RTU inputs between Plant and the ANGLETON Substation.
 - C) Generator shall provide a voice telephone extension outlet in close proximity to Plant's relay panel that is located within the Plant. Such telephone extension outlet shall be connected to the local exchange carrier's telephone system; however, the telephone extension outlet may be connected to Plant's internal telephone system, provided Plant's internal telephone system is equipped with an uninterruptible power supply system.
 - D) TSP shall provide fiber optic communication cables of sufficient length to connect between Plant to the ANGLETON Substation relay panel.
- 10) System Protection Equipment
 - A) Generator shall provide two sets of protective relaying accuracy (C800) current transformers on Generator's 138 kV circuit breakers associated with the protective relaying between Plant and the ANGLETON Substation. Each set of current transformers will provide signals to independent sets of primary and backup protective relays for the interconnecting lead between the GIF and the

ANGLETON Substation. The current transformer ratio will be approved by the TSP relay protection engineer and reflected on the Generator's drawings.

- B) The fiber optic communication cables will have strands of single mode fiber optic cable to be utilized at 1300 nm wavelength for communication of protection data and telemetry.
- 11) Telemetry requirements
 - A) TSP shall furnish a substation SCADA RTU at the ANGLETON Substation. The RTU will be multi-port equipped and operate with protocols compatible with TSP. The RTU will be equipped to monitor the ANGLETON Substation as outlined in Paragraph 11 and control circuit breakers in the ANGLETON Substation. TSP shall also furnish the RTU inputs, such as contacts and transducers, in the ANGLETON Substation. Selected real-time data of the ANGLETON Substation will be available at TSP's RTU for Generator's use. TSP's RTU will be equipped with a DNP-3 "Slave" serial communication port for this purpose. TSP shall furnish the fiber optic cable between the ANGLETON Substation and the Plant RTU or DCS "Master" serial communication port for this purpose.
 - B) Generator shall furnish Plant data to TSP's RTU communication port at the ANGLETON Substation as referenced in Paragraph 11 below. The Generator's RTU/DCS shall be equipped with a DNP-3 "Slave" serial communication port for this purpose. TSP shall furnish the fiber optic cable between the Plant and the ANGLETON Substation RTU "Master" serial communication port for this purpose. TSP is not responsible for providing Plant data to ERCOT.
 - C) Generator shall provide Plant data to ERCOT according to ERCOT requirements. TSP is not responsible for providing Plant data to ERCOT.
 - D) Generator shall provide to TSP at TSP's ANGLETON Substation the following signals originating at Generator's Plant:
 - 1) Analog Signals from Plant
 - (i) Kilovolts for each collector buss {or for each generator buss} (single line-to-line value).
 - (ii) Net megawatts for each generator feeder (three phase).
 - (iii) Net megavars for each generator feeder (three phase).
 - (iv) Net megavars for the reactive support equipment.
 - (v) Kilovolts for 138 kV transmission voltage (A phase).
 - (vi) Net megawatts and megavars for the 138 kV transmission line (three phase).
 - (vii) Frequency at the collector bus {or at each generating unit}
 - (viii) Megawatts and megavars for each 138/{34.5} kV transformer (three phase).
 - 2) Status Data from Plant
 - (i) Status of the 138 kV transmission voltage circuit breakers.
 - (ii) Status of all 34.5 kV circuit breakers for feeders and reactive support equipment.
 - (iii) Status of generator automatic voltage regulator (automatic and manual).

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- E) TSP shall provide to Generator the following signals originating at TSP's ANGLETON Substation:
 - 1) Analog Signals from TSP Substation Devices
 - (i) Kilovolts for the Point of Interconnection (A phase).
 - (ii) Megawatts, megavars, and megawatt-hour data from TSP revenue meter.
 - 2) Data form TSP Substation Devices
 - (i) Status of transmission voltage circuit breakers associated with the generator lead(s).
 - (ii) Alarm for failure of Pilot Wire/fiber optic relaying communication channels, if applicable.

12) Supplemental Terms and Conditions

- A) The following drawings are attached and made a part of this agreement as Exhibit "H" – Attached Drawings. (*Note: The drawings contain a line of demarcation between TSP provided facilities and Generator provided facilities*).
 - "CenterPoint Energy 138 kV One Line Relaying & Metering Diagram for Myrtle Solar/Angleton Energy Generation Facility Study – Basis Offer," dated 06-26-18 ("Attached Drawings – Exhibit "H").
- B) Cost Responsibility:
 - 1) Notwithstanding the provisions of Exhibit "A", Section 8.1, the amount of the contribution in aid of construction, if any, that Generator may be required to make, shall be specified in Exhibit "E", Security Arrangement Details.
 - 2) The Generator does not desire any enhancements to TSP's basic offer interconnection facilities and therefore no contribution in aid of construction ("CIAC") of the Transmission Interconnection Facilities is required.
 - 3) The TIF described herein is designed based on the generating capacity provided by the Generator. It is assumed that the generating facility will be capable of generating the Planned Capacity by the Scheduled Commercial Operation Date specified in Exhibit "B". Within the first 12 months following Commercial Operation, if the highest level of Actual Capacity is less than the Planned Capacity, the Generator shall be responsible for TIF costs, if any, that are determined, solely by the TSP, to have been incurred to accommodate Generator's Planned Capacity, but are then determined to not be necessary to accommodate Generator's Actual Capacity. As used here, "Actual Capacity" shall mean the Plant's total Net Dependable Capability, as determined or accepted by ERCOT, in accordance with ERCOT Requirements. Generator shall pay such costs determined herein within thirty (30) days following the receipt of TSP's invoice.
- C) Authorization to Proceed:
 - 1) Generator authorizes TSP to begin work on any required transmission system additions, modifications, and upgrades and the ANGLETON Substation additions, modifications, and upgrades secured by this agreement.
- D) Clarifications to Exhibit "A"
 - 1) The Parties agree that at the time of executing this Agreement the references to the PUCT Rules contained within certain definitions set forth in Exhibit

"A", "Article 1. Definitions" have the meanings ascribed to such terms as established in the current PUCT Rules. The Parties recognize that the PUCT Rules are amended from time to time by the PUCT. The parties also acknowledge that ERCOT issues ERCOT Requirements in which terms are redefined from time to time. When the PUCT Rules or ERCOT Requirements are amended and terms defined in Exhibit "A", "Article 1. Definitions" are affected by such amendments, the Parties agree that such terms shall have the meanings as amended by the PUCT or ERCOT. The term "System Security Study" shall have the same definition as "Security Screening Study" in the ERCOT Requirements.

- E) Miscellaneous
 - 1) Each Party shall be solely responsible for keeping itself informed of, and understanding its respective responsibilities under, all applicable North American Electric Reliability Corporation ("NERC") Standards and ERCOT Requirements and all valid, applicable laws, rules, regulations and orders of, and tariffs approved by, duly constituted Governmental Authorities.
 - 2) CenterPoint Energy has documented data specifications that define the operational data CenterPoint Energy requires to perform Real-time monitoring. These specifications are incorporated in Section 11 above, Exhibit 'F' Outage and Clearance Coordination Procedure, and Exhibit 'G' Telemetry Specification.
 - 3) Generator shall provide on its property access roads to the TIF, and the access roads will be maintained by Generator in such a manner and condition to allow passage of heavy utility vehicles. Otherwise, Generator shall provide, or cause to be provided, such perpetual easements as reasonably needed by TSP, in a form acceptable to TSP and at no cost to TSP, to use and construct access roads from nearest road to the TIF in such a manner and condition to allow passage of heavy utility vehicles.
 - 4) Each Party's personnel, contractors, subcontractors, and agents shall abide by and comply with the other Party's reasonable safety requirements and procedures while in areas designated as under that other Party's control.
 - 5) In the event that Generator's personnel, contractors, subcontractors, or agents cause delays in the work schedule of TSP, Generator shall reimburse to TSP the additional costs associated with such delays within 30 days of receipt of an invoice for such costs.
 - 6) Generator understands and agrees that identification of any, including but not limited to stability, oscillation, harmonic, short circuit, over frequency, under frequency, over voltage, under voltage, phase imbalance, or geomagnetic disturbance conditions that may affect Generator's Plant and implementation of any associated protective measures, are the sole responsibility of Generator.
 - 7) ERCOT Requirements.
 - (i) Unless expressly stated herein, where the ERCOT Requirements are in conflict with TSP's specifications or procedures, the ERCOT Requirements shall prevail.
 - (ii) ERCOT requirements currently require installation of power system stabilizers on generators.

- (iii) Prior to commercial operation, ERCOT may verify that the Generator is meeting ERCOT Requirements, including complying with reactive standards, the provision of accurate stability models, and the installation of power system stabilizers, if required. Failure to meet these ERCOT Requirements may result in delays to commercial operation.
- 8) All generator data, including data for stability studies (transient and voltage) and subsynchronous resonance data, as required by the ERCOT Requirements, shall be provided to ERCOT and the TSP before commercial operation. This data shall be updated when the Plant begins commercial operation. Any updates to this information shall be provided within 60 days to ERCOT and the TSP as changes or upgrades are made during the life of the Plant. This requirement applies to all future owners of the Plant. The Generator and any future owners of the Plant shall comply with these data requirements along with all applicable NERC Standards. Such Standards are subject to change from time to time, and such changes shall automatically become applicable based upon the effective date of the approved change.
- 13) Special Operating Conditions, if any, attached: None.
- 14) Cost Estimate Differences, if applicable:
 - A) The difference between the estimated cost of the TIF under 4.1.A (\$_N/A___) and the estimated cost of the TIF under 4.1.B (\$__N/A___) is: __N/A__, if applicable.

Notice and EFT Information of the ERCOT Standard Generation Interconnection Agreement			
(a) All notices of an OPERATIONAL nature shall be in writing and/or may be sent between the Parties via			
electronic means as follows:			
If to Myrtle Solar, LLC	If to CenterPoint Energy Houston Electric, LLC		
Myrtle Solar, LLC	CenterPoint Energy Houston Electric, LLC		
1201 Louisiana Street	Real Time Operations		
Houston, TX 77002	P.O. Box 1700		
Phone:	Houston, Texas 77251		
Fax:	24 Hour Telephone (281) 894-0491		
E-mailnicolas.felix@totalenergies.com			
(b) Notices of an ADMINISTRATIVE nature:			
If to Myrtle Solar, LLC	If to CenterPoint Energy Houston Electric, LLC		
Myrtle Solar, LLC	CenterPoint Energy Houston Electric, LLC		
Attn: Misty Allen	Manager, Transmission Accounts		
1201 Louisiana Street	P.O. Box 1700		
Houston, TX 77002	Houston, Texas 77251		
Phone:	Phone: (713) 207-7617		
Fax:	E-mail: Kevin.Sarvis@CenterPointEnergy.com		
E-mailmisty.allen@totalenergies.com			
(c) Notice for STATEMENT AND BILLING pt If to Myrtle Solar, LLC	- 1		
II to Myrtle Solar, LLC	If to CenterPoint Energy Houston Electric, LLC		
Myrtle Solar, LLC	CenterPoint Energy Houston Electric, LLC		
Attn: Misty Allen	Accounts Payable		
1201 Louisiana Street	P.O. Box 1374		
Houston, TX 77002	Houston, Texas 77251		
Phone:	Phone: (713) 207-7888		
Fax:	E-mail: AP.invoices@CenterPointEnergy.com		
E-mail regina.poliak@totalenergies.com	Mark Invoices with WF00220951		
(d) Information concerning ELECTRONIC FUNDS TRANSFERS:			
If to Myrtle Solar, LLC	If to CenterPoint Energy Houston Electric, LLC		
Bank Name BancFirst Oklahoma City, OK	Chase Bank of Texas		
ABA No. 103003632	Houston, Texas		
for credit to:	ABA No. 111000614		
Red River Renewable Energy	For credit to:		
Account No. 4005187788	CenterPoint Energy Houston Electric, LLC		
	Account No. 0010-097-0798		
	11000unt 110.0010-077-0770		

Exhibit "D"