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Project No. 35077

Amendment No. 8

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INTERCONNECTION AGREEMENT

Between

LCRA Transmission Services Corporation

and

San Bernard Electric Cooperative

October 30, 2017

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**INTERCONNECTION AGREEMENT
AMENDMENT NO. 8**

This Amendment No. 8 ("Amendment") is made and entered into this 30th day of October, 2017, between San Bernard Electric Cooperative ("SBEC") and LCRA Transmission Services Corporation ("LCRA TSC"), collectively referred to hereinafter as the Parties.

WHEREAS, LCRA TSC and SBEC entered into that certain Interconnection Agreement executed February 9, 2009, as amended by that certain Amendment No. 1 executed as of August 4, 2009, as amended by that certain Amendment No. 2 executed as of April 20, 2011, as amended by that certain Amendment No. 3 executed as of December 12, 2011, as amended by that certain Amendment No. 4 executed as of May 2, 2012, as amended by that certain Amendment No. 5 executed as of November 20, 2012, as amended by that certain Amendment No. 6 executed as of January 22, 2013, as amended by that certain Amendment No. 7 executed as of July 14, 2017 collectively, as amended, the "Agreement");

WHEREAS, LCRA TSC will remove switch #3084 at the Waller Substation as part of the Power Transformer Bypass Capability project.

NOW, THEREFORE, in consideration of the mutual promises and undertakings herein set forth, the Parties agree to amend the Agreement as follows:

1. Exhibit "A" attached to the Agreement is deleted in its entirety and the Exhibit "A" attached to this Amendment No. 8 is hereby added to the Agreement in lieu thereof.
2. Exhibit "A" attached to this Amendment No. 8 is effective upon execution of this Amendment No. 8 by the Parties.
3. Facility Schedule No. 15 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 15 attached to this Amendment No. 8 is hereby added to the Agreement in lieu thereof.
4. Facility Schedule No. 15 (including the diagrams attached thereto) attached to this Amendment No. 8 is effective upon execution of this Amendment No. 8 by the Parties.

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

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IN WITNESS WHEREOF, the Parties have caused this Amendment No. 8 to be executed in several counterparts, each of which shall be deemed an original but all shall constitute one and the same instrument.

SAN BERNARD ELECTRIC
COOPERATIVE

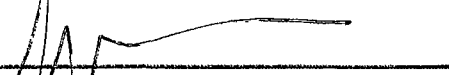
By: 

Name: Don Roberts

Title: SBEC Electric Systems Manager

Date: 10/30/17

LCRA TRANSMISSION SERVICES
CORPORATION

By: 

Name: Sergio Garza, P.E.

Title: LCRA Vice President, Transmission
Design and Protection

Date: 10/31/2017



EXHIBIT A
Amendment No. 8

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	EFFECTIVE DATE OF INTERCONNECTION
1	Bellville North (12)	12.5 kV	2/9/2009
2	Bellville South (3)	69 kV	7/14/2017
3	Bernardo (1)	69 kV	7/14/2017
4	Colorado (2)	138 kV	1/22/2013
5	Frelsburg (1)	138 kV	3/8/2012
6	Glidden (3)	69/138 kV	7/14/2017
7	Hallettsville City (6)	12.5 kV	4/20/2011
8	Macedonia(3)	24.9 kV/138 kV	3/8/2012
9	New Bremen (12)	12.5 kV	4/20/2011
10	Prairie View (4)	138 kV	3/8/2012
11	Quanex (2)	12.5 kV/69 kV	2/9/2009
12	Quanex Switch Structure (3)	69 kV	2/9/2009
13	Sheridan Switch Structure (0) (deleted)	69 kV	1/22/2013
14	Thorstenburg Switch Structure (0) (deleted)	69 kV	11/20/2012
15	Waller (7)	12.5 kV/138 kV	Date of Amendment 8
16	Rock Island (0) (deleted)		3/8/2012
17	Seaway (0) (deleted)		3/8/2012
18	Sheridan (0) (deleted)		3/8/2012
19	Sunnyside (0) (deleted)		3/8/2012
20	Thorstenburg #2 (0) (deleted)		3/8/2012
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FACILITY SCHEDULE NO. 15

Amendment No. 8

1. **Name:** Waller Substation
2. **Facility Location:** The Waller Substation is located at 2980 13th St., Hempstead, Waller County, Texas 77445.
3. **Points of Interconnection:** There are seven (7) Points of Interconnection in the Waller Substation generally described as:
 - where the LCRA TSC jumper connects to the incoming 138 kV SBEC transmission line from Prairie View Substation at the dead end insulators on LCRA TSC's A-Frame dead end structure.
 - where the incoming distribution line attaches to the tubular bus between switch WR11 and switch WR13 at breaker WR10.
 - where the jumper from breaker WR10 connects to the four hole pad on switch WR9.
 - where the jumper from breaker WR10 connects to the four hole pad on switch WR11.
 - where the incoming distribution line attaches to the tubular bus between switch WR31 and switch WR33 at breaker WR30.
 - where the jumper from breaker WR30 connects to the four hole pad on switch WR29.
 - where the jumper from breaker WR30 connects to the four hole pad on switch WR31.
4. **Transformation Services Provided by LCRA TSC:** Yes, per Transformation Service Agreement between the Parties.
5. **Metering Services Provided by LCRA TSC:** Yes, per Wholesale Metering Service Agreement between the Parties.
6. **Delivery Voltage:** 12.5/138 kV
7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformer is located in the total bay. The bus potential transformer is located on the 12.5 kV operating bus.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**
SBEC owns:
 - The following transmission lines comprised of conductors, insulators, and connecting hardware:
 - Waller to Prairie View transmission line
 - Two (2) distribution circuit breakers WR10 and WR30 including jumpers and

- protective relay packages
- Underfrequency relay equipment
- One (1) RTU panel
- One (1) communications antenna, BCD-87010-25 Omni mounted at a height of 104' on LCRA TSC communications tower
- One (1) 19" communications rack on casters

LCRA TSC owns:

The Waller Substation including, but not limited to, the following items:

- 138 kV operating and transfer bus including structures, insulators, foundations and jumpers
- One (1) 138 kV bus potential transformer PT1
- One (1) 138 kV surge arrester SA1
- One (1) circuit switcher CS3085 with associated bypass switch 3088
- One (1) 138 kV circuit breaker 3070 including foundation, jumpers and protective relay package
- Five (5) 138 kV switches 3069, 3071, 3073, 3082 and 3087
- One (1) single phase current transformer CT6
- One (1) current transformer CT10
- One (1) power transformer T1 with associated surge arresters, jumpers, foundation and protective relaying
- One (1) total circuit breaker WR20 with jumpers and protective relaying
- Three (3) distribution and total circuit breaker foundations
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer bus, bus potential transformer, metering current transformer and associated cabling
- One (1) control house (24' x 34') with battery, battery charger and other appurtenances
- One (1) station service SS1 with fuse F2
- Substation property, ground grid, gravel, fencing and other appurtenances

- 10. Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.
- 11. Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.
- 12. Other Terms and Conditions:**
 - SBEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
 - SBEC's communication antenna will be installed and operated in accordance with the terms of the Lower Colorado River Authority Technical Review.

Amendment No. 8

