



Control Number: 35077



Item Number: 450

Addendum StartPage: 0

Project No. 35077

RECEIVED
14 APR -1 PM 3:52
FILING CLERK

Seventh Amendment to

INTERCONNECTION AGREEMENT

Between

Bluebonnet Electric Cooperative

and

LCRA Transmission Services Corporation

Dated
March 4, 2014

**SEVENTH AMENDMENT TO
INTERCONNECTION AGREEMENT**

This Seventh Amendment ("Amendment") is made and entered into this 4th day of March, 2014, between the Bluebonnet Electric Cooperative ("BBEC") and the LCRA Transmission Services Corporation ("LCRA TSC") collectively referred to hereinafter as the Parties.

WHEREAS, LCRA TSC and BBEC entered into that certain Interconnect Agreement executed November 17, 2008, as amended by that certain Amendment No. 1, executed as of October 13, 2009, as amended by that certain Amendment No. 2, executed as of January 13, 2011, as amended by that certain Amendment No. 3, executed as of October 26, 2011, as amended by that certain Amendment No. 4, executed as of January 31, 2012, as amended by that certain Amendment No. 5, executed as of April 19, 2013 and as amended by that certain Amendment No. 6, executed as of June 17, 2013 (collectively, as amended, the "Agreement"); and

WHEREAS, LCRA TSC is replacing the circuit switcher at Bastrop City Substation; and

WHEREAS, BBEC is adding additional distribution bays at Paige Substation;


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" is deleted in its entirety and the Exhibit "A" attached to this Seventh Amendment is hereby added to the Agreement in lieu thereof.
2. Facility Schedule No. 2 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 2 attached to this Seventh Amendment is hereby added to the Agreement in lieu thereof.
3. Facility Schedule No. 2 (including the diagrams attached thereto) attached to this Seventh Amendment will become effective upon execution of this Seventh Amendment by the Parties.
4. Facility Schedule No. 23 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 23 attached to this Seventh Amendment is hereby added to the Agreement in lieu thereof.
5. Facility Schedule No. 23 (including the diagrams attached thereto) attached to this Seventh Amendment will become effective upon execution of this Seventh Amendment by the Parties.

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

IN WITNESS WHEREOF, the Parties have caused this Seventh Amendment to be executed in several counterparts, each of which shall be deemed an original but all shall constitute one and the same instrument.

BLUEBONNET ELECTRIC COOPERATIVE

By: 

Name: Eric Kocian, P.E.

Title: Manager of Electric Operations and Engineering

Date: 3/4/14

LCRA TRANSMISSION SERVICES CORPORATION

By: 

Name: Ray Pfefferkorn, P.E.

Title: LCRA Transmission Engineering Manager

Date: 2/27/14



EXHIBIT A
Amendment No. 7

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	EFFECTIVE DATE OF INTERCONNECTION
1	Alum Creek (12)	12.5 kV	11/17/2008
2	Bastrop City (10)	12.5 kV	Date of Amendment #7
3	Bastrop West (15)	12.5 kV	10/13/2009
4	Bluebonnet (2)	138 kV	01/13/2011
5	Brenham North (1)	138 kV	11/17/2008
6	Butler (1)	138 kV	11/17/2008
7	Cedar Hill (9)	12.5 kV	11/17/2008
8	Chappell Hill (1)	138 kV	11/17/2008
9	Colton (9)	12.5 kV	10/26/2011
10	Dale (8)	12.5 kV	6/17/2013
11	Deanville (5)	138 kV	11/17/2008
12	Fayetteville (1)	138 kV	11/17/2008
13	Giddings (15)	12.5 kV	01/13/2011
14	Harris Branch (18)	24.9 kV	10/13/2009
15	Lexington (7)	12.5 kV & 138 kV	01/13/2011
16	Lockhart (9)	12.5 kV	10/26/2011
17	Luling City (6)	12.5 kV	10/13/2009
18	Luling Magnolia (6)	12.5 kV	11/17/2008
19	Magnolia Mercer (3)	12.5 kV	11/17/2008
20	Manor (2)	138 kV	01/13/2011
21	McCarty Lane East (9)	12.5 kV	11/17/2008
22	Mendoza (9)	12.5 kV	01/13/2011
23	Paige (1)	138 kV	Date of Amendment #7
24	Pisek (1)	138 kV	11/17/2008
25	Plum (4)	12.5 kV	10/26/2011
26	Red Rock (2)	138 kV	01/13/2011
27	Redwood (4)	12.5 kV	11/17/2008
28	Reedville (1)	69 kV	11/17/2008
29	Salem (1)	138 kV	11/17/2008
30	Smithville (10)	69 kV & 12.5 kV	11/17/2008
31	Swiftex (12)	12.5 kV	11/17/2008
32	Warda (6)	24.9 kV	11/17/2008
33	Webberville (12)	24.9 kV	11/17/2008
34	Welcome (1)	138 kV	11/17/2008
35	Wolf Lane (2)	138 kV	01/13/2011
36	Pooley Road (6)	12.5 kV	11/17/2008
37	Shadow Glen (1)	138 kV	11/17/2008
38	Tahitian Village (1)	138 kV	01/13/2011
39	Beback (1)	138 kV	01/13/2011

EXHIBIT A-(page 2)
Amendment No. 7

40	Wyldwood (1)	138 kV	01/13/2011
41	Clear Fork (1)	69 kV & 12.5 kV	04/19/2013
42	Seawillow (12)	24.9 kV	6/17/2013

Amendment No. 7
FACILITY SCHEDULE NO. 2

1. **Name:** Bastrop City Substation
2. **Facility Location:** The Bastrop City Substation is located at 2500 Main Street, Bastrop, Bastrop County, Texas 78602.
3. **Points of Interconnection:** There are ten (10) Points of Interconnection in the Bastrop City Substation generally described as:
 - where the incoming distribution line connects to the tubular bus between switches BA-101 and BA-103 at breaker BA-100.
 - where the jumper from breaker BA-100, passing through CT-16, connects to the 4 hole pad on switch BA-99.
 - where the jumper from breaker BA-100 connects to the 4 hole pad on switch BA-101.
 - where the incoming distribution line connects to the tubular bus between switches BA-111 and BA-113 at breaker BA-110.
 - where the jumper from breaker BA-110, passing through CT-11, connects to the 4 hole pad on switch BA-109.
 - where the jumper from breaker BA-110 connects to the 4 hole pad on switch BA-111.
 - where the jumper from switch BA-119 connects to the 12.5 kV operating bus at breaker BA-120.
 - where the jumper from switch BA-123 connects to the 12.5 kV transfer bus at breaker BA-120.
 - where the jumper from switch BA-129 connects to the 12.5 kV operating bus at breaker BA-130.
 - where the jumper from switch BA-133 connects to the 12.5 kV transfer bus at breaker BA-130.
4. **Transformation Services Provided by LCRA TSC:** Yes
5. **Metering Services Provided by LCRA TSC:** Yes
6. **Delivery Voltage:** 12.5 kV
7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformers are located in the total bay and in each distribution 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:**

BBEC owns:

- Four (4) distribution circuits including dead end insulators that attach to the dead

- end structure, conductors, and hardware
- Four (4) distribution circuit breakers BA-100, BA-110, BA-120, BA-130 including jumpers and protective relay packages
- Six (6) low voltage disconnect switches in bays 12 and 13
- Two (2) surge arresters SA-120 and SA-130
- Four (4) distribution circuit breaker foundations in bays 10, 11, 12 and 13
- One (1) modulation transformer MTU-1 and associated surge arrester and fuse

LCRA TSC owns:

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

- One (1) circuit switcher CS-5345 with associated disconnect switches 5341, 5343 and 5344 and bypass switch 5347
- One (1) power transformer PWT-2, T-2 with associated surge arresters
- Six (6) distribution and total bays including A-frames, trusses, insulators, disconnect switches (except bays 12 and 13), surge arresters (except bays 12 and 13), 12.5 kV operating and transfer bus, bus potential transformer, metering current transformers and associated cabling
- One (1) transformer bus disconnect switch BA-93
- Underfrequency relay panel
- Control house
- Battery house/office building and battery bank
- Substation property ground grid, gravel, fencing and other appurtenances
- Station service

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:**
 - BBEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
 - LCRA TSC will provide BBEC access to 125 VDC and 120 VAC power. Circuits must have over current protection devices (OCPD) sized according to NEC standards. Panel boards containing the OCPD may belong to either LCRA TSC (if space is available) or BBEC.
 - LCRA TSC will provide BBEC with floor space (as available and as necessary) in its control house for the installation of BBEC required relay panel boards and equipment.

Amendment No 7



FACILITY SCHEDULE NO. 23
Amendment No. 7

1. **Name:** Paige Substation
2. **Facility Location:** The Paige Substation is located at 2575 East State Highway 21, Paige, and Bastrop County, Texas 78659.
3. **Points of Interconnection:** There is one (1) Point of Interconnection in the Paige Substation generally described as:
 - where the jumper LCRA TSC 138 kV bus attaches to the four hole pad on BBEC switch 2464.
4. **Transformation Services Provided by LCRA TSC:** No
5. **Metering Services Provided by LCRA TSC:** Yes
6. **Delivery Voltage:** 138 kV
7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformer is located in BBEC transformer T-1. The bus potential transformers are located on the 12.5 kV operating buses.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**

BBEC owns:

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

- One (1) circuit switcher CS-2465 with bypass switch 2467
- One (1) 138 kV disconnect switch 2464
- One (1) power transformer T-1 and associated surge arresters
- One (1) transformer distribution bus disconnect switch PG35
- All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
- All distribution circuit breakers including jumpers, protective relay packages and foundations.
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer buses, bus potential transformers and associated cabling
- One (1) modulation transformer MTU-1 and associated fuse F3
- Control house and battery bank
- Two (2) station service SS-1 with fuse F1 and SS-2 with fuse F4

LCRA TSC owns:

- Two (2) 138 kV dead-end structures, foundations, insulators and jumpers
- Two (2) 138 kV motor operated switches with interrupters MO-2461 and MO-2462
- 138 kV Operating Bus including structures, insulators, hardware, foundations and jumpers
- Four (4) 138 kV switches 2466, 2468, 2472 and 2474

- 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:**
 - BBEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
 - BBEC will provide LCRA TSC access to 125 VDC and 120 VAC power. Circuits must have over current protection devices (OCPD) sized according to NEC standards. Panel boards containing the OCPD may belong to either BBEC (if space is available) or LCRA TSC.
 - BBEC will provide LCRA TSC with floor space (as available and as necessary) in its control house for the installation of LCRA TSC required relay panel boards and equipment.

PAIGE ONE-LINE DIAGRAM

Amendment No. 7

