



Control Number: 35077



Item Number: 721

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Project No. 35077

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PUBLIC UTILITY COMMISSION
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Amendment No. 12 to

INTERCONNECTION AGREEMENT

Between

Bluebonnet Electric Cooperative

and

LCRA Transmission Services Corporation

Dated

March 20, 2017

**TWELFTH AMENDMENT TO
INTERCONNECTION AGREEMENT**

This Twelfth Amendment ("Amendment") is made and entered into this 20th day of March, 2017, between Bluebonnet Electric Cooperative ("BBEC") and 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; as amended by that certain Amendment No. 6, executed as of June 17, 2013; as amended by that certain Amendment No. 7, executed as of March 4, 2014; as amended by that certain Amendment No. 8, executed as of November 18, 2014; as amended by that certain Amendment No. 9, executed as of June 4, 2015; as amended by that certain Amendment No. 10, executed as of August 9, 2016; and as amended by that certain Amendment No. 11, executed as of February 23, 2017 (collectively, as amended, the "Agreement"); and,

WHEREAS, BBEC has requested that LCRA TSC provide transmission service to a new load serving substation to be known as Lincoln Substation by November 1, 2017; and

WHEREAS, the Parties are executing concurrently a separate financial security agreement for the Lincoln Substation project.

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

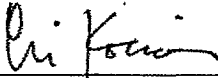
1. Exhibit "A" is deleted in its entirety and the Exhibit "A" attached to this Twelfth Amendment is hereby added to the Agreement in lieu thereof.
2. Exhibit "A" attached to this Twelfth Amendment will become effective upon execution of this Twelfth Amendment by the Parties.
3. Facility Schedule No. 43, Lincoln Substation, (including the diagrams attached thereto) is hereby added to the Interconnection Agreement.
4. Facility Schedule No. 43 (including the diagrams attached thereto) attached to this Twelfth Amendment will become effective upon execution of this Twelfth 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.

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IN WITNESS WHEREOF, the Parties have caused this Twelfth 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

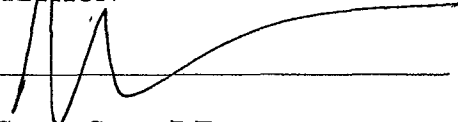
By: 

Name: Eric Kocian, P.E.

Title: Manager of Electric Operations and Engineering

Date: 3/9/17

LCRA TRANSMISSION SERVICES CORPORATION

By: 

Name: Sergio Garza, P.E.

Title: LCRA VP, Transmission Design and Protection

Date: 03/20/2017



EXHIBIT A
Amendment No. 12

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	2/23/2017
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	2/23/2017
9	Colton (9)	12.5 kV	10/26/2011
10	Dale (8)	12.5 kV	8/9/2016
11	Lyle Wolz (7)	138 kV	8/9/2016
12	Fayetteville (1)	138 kV	11/17/2008
13	Giddings (15)	12.5 kV	2/23/2017
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	06/04/2015
17	Luling City (6)	12.5 kV	10/13/2009
18	Luling Magnolia (6)	12.5 kV	11/17/2008
19	Magnolia Mercer (6)	12.5 kV	8/9/2016
20	Manor (1)	138 kV	2/23/2017
21	McCarty Lane East (9)	12.5 kV	2/23/2017
22	Mendoza (9)	12.5 kV	8/9/2016
23	Paige (1)	138 kV	06/04/2015
24	Pisek (1)	138 kV	11/17/2008
25	Plum (4)	12.5 kV	10/26/2011
26	Red Rock (2)	138 kV	6/4/2015
27	Redwood (4)	12.5 kV	11/17/2008
28	Robert Brown Jr. (1)	69 kV	06/04/2015
29	Salem (1)	138 kV	11/17/2008
30	Smithville (10)	69 kV & 12.5 kV	2/23/2017
31	Swiftex (12)	12.5 kV	11/17/2008
32	Warda (6)	24.9 kV	06/04/2015
33	Webberville (12)	24.9 kV	2/23/2017
34	Welcome (1)	138 kV	11/17/2008
35	Wolf Lane (2)	138 kV	01/13/2011
36	Pooley Road (6)	12.5 kV	8/9/2016
37	Shadow Glen (1)	138 kV	2/23/2017
38	Tahitian Village (1)	138 kV	2/23/2017
39	Beback (1)	138 kV	01/13/2011

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40	Wyldwood (1)	138 kV	8/9/2016
41	Clear Fork (1)	69 kV & 12.5 kV	04/19/2013
42	Seawillow (0)	Terminated	2/23/2017
43	Lincoln (1)	138 kV	Date of Amendment #12

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FACILITY SCHEDULE NO. 43
Amendment No. 12

1. **Name:** Lincoln Substation
2. **Facility Location:** The Lincoln Substation is located in Lee County, Texas.
3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Lincoln Substation generally described as:
 - where the LCRA TSC 138 kV ring bus bolts to the four hole pad on BBEC's 138 kV disconnect switch 26526.
 - where the LCRA TSC 138kV ring bus bolts to the four hole pad on BBEC's 138 kV mobile switch 26528.
4. **Transformation Services Provided by LCRA TSC:** No
5. **Metering Services Provided by LCRA TSC:** Yes, per Wholesale Metering Service Agreement between the Parties.
6. **Delivery Voltage:** 138 kV
7. **Metered Voltage and Location:** The metering voltage is 4.16 kV. The metering current transformer is located in power transformer T1. The bus potential transformer is located on the 4.16 kV, T1 operating bus.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**

BBEC owns:

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

- One (1) 138 kV disconnect switch 26526
- One (1) 138 kV circuit switcher CS26505 with associated 138 kV bypass switch 26507, foundation and protective relaying
- One (1) 138 kV mobile transformer connection point with disconnect switch 26528
- One (1) power transformer T1 with associated surge arresters, foundation, jumpers and protective relaying
- One (1) transformer T1 distribution bus disconnect switch LL15
- All T1 distribution and total bays including A-frames, trusses, insulators, disconnect switches, 4.16 kV/ T1 operating and transfer bus, bus potential transformer PT1 with fuse F2 and associated cabling
- Substation property, ground grid, gravel, fencing and other appurtenances
- Two (2) station service SS1 and SS2 with associated fuses F1 and F3
- One (1) control house with battery bank, battery charger, AC/DC distribution panels, and appurtenances

- All T1 distribution circuits including dead end insulators that attach to the dead end structure, conductors, surge arresters and hardware
- All T1 distribution circuit breakers including jumpers, protective relay packages and foundations
- One (1) modulation transformer MTU1 with associated fuse

LCRA TSC owns:

Substation and transmission line equipment including, but not limited to, the following items at Lincoln Substation:

- Two (2) 138 kV dead-end structures, foundations, insulators and jumpers
- Six (6) 138 kV switches 26499, 26501, 26509, 26511, 26519, and 26521
- 138 kV-3 breaker ring bus including structures, insulators, hardware, foundations and jumpers
- Three (3) 138 kV circuit breakers 26500, 26510 and 26520 including jumpers, foundations and protective relay packages
- Two (2) 138 kV coupling capacitor voltage transformers CCVT1 and CCVT2
- Two (2) 138 kV surge arresters SA1 and SA2
- 138 kV bus differential & breaker failure relaying schemes
- One (1) control house with battery bank, battery charger, AC/DC distribution panels, and appurtenances
- Conduits between the BBEC control house and the LCRA TSC control house
- One (1) metering panel with meters
- One (1) RTU and SIP
- One (1) communications pole

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 gates and in control house doors.
 - BBEC and LCRA TSC will execute a separate financial security agreement to address cost responsibilities for the additions required by this Facility Schedule.
 - BBEC will allow LCRA TSC use of its 4.16 kV bus potential transformer PT1 for metering.
 - BBEC will allow LCRA TSC use of its power transformer T1 metering and relaying bushing current transformers for LCRA TSC's metering and 138 kV bus differential relaying schemes.
 - BBEC will allow LCRA TSC use of its station service transformers, with LCRA TSC supplying the conduit and cable from the station service transformer low-side disconnect switches to the LCRA TSC control house.
 - LCRA TSC will provide tripping and close inhibit contacts from its 138 kV bus differential & breaker failure relaying panel to BBEC's circuit switcher CS26505 relaying panel.

- BBEC will provide breaker failure initiate contacts from its circuit switcher CS26505 relaying panel to LCRA TSC's 138 kV bus differential & breaker failure relaying panel.
- LCRA TSC and BBEC shall coordinate their respective protection system equipment so that adjacent zones of protection overlap, in accordance with ERCOT Nodal Operating Guides.

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