



Control Number: 35077



Item Number: 812

Addendum StartPage: 0

**Project No. 35077**

**RECEIVED**

**2018 APR 20 PM 3:46**

**Amendment No. 14**

**PUBLIC UTILITY COMMISSION  
FILING CLERK**

**INTERCONNECTION AGREEMENT**

**Between**

**LCRA Transmission Services Corporation**

**and**

**Bluebonnet Electric Cooperative**

**March 27, 2018**

## **FOURTEENTH AMENDMENT TO INTERCONNECTION AGREEMENT**

This Fourteenth Amendment ("Amendment") is made and entered into this 27th day of March, 2018, 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; as amended by that certain Amendment No. 11, executed as of February 23, 2017; as amended by that certain Amendment No. 12, executed as of March 20, 2017, as amended by that certain Amendment No. 13, executed as of August 1, 2017 (collectively, as amended, the "Agreement"); and,

**WHEREAS**, this amendment is necessary because LCRA TSC and BBEC will upgrade the Cedar Hill 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 Fourteenth Amendment is hereby added to the Agreement in lieu thereof.
2. Exhibit "A" attached to this Fourteenth Amendment will become effective upon execution of this Fourteenth Amendment by the Parties.
3. Facility Schedule No. 7 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 7 attached to this Fourteenth Amendment is hereby added to the Agreement in lieu thereof.

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

-----The remainder of this page has intentionally been left blank-----

IN WITNESS WHEREOF, the Parties have caused this Fourteenth 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: Eric Kocian

Name: Eric Kocian, P.E.

Title: Manager of Electric Operations and Engineering

Date: 3/27/18

LCRA TRANSMISSION SERVICES CORPORATION

By: Sergio Garza

Name: Sergio Garza, P.E.

Title: LCRA Vice President, Transmission Design and Protection

Date: March 26, 2018



**EXHIBIT A**  
Amendment No. 14

<b>FACILITY SCHEDULE NO.</b>	<b>LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)</b>	<b>INTERCONNECTION VOLTAGE (KV)</b>	<b>EFFECTIVE DATE OF INTERCONNECTION</b>
1	Alum Creek (12)	12.5 kV	11/17/2008
2	Bastrop City (10)	12.5 kV	2
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 (2)-	138 kV	8/1/2017
7	Cedar Hill (15)	24.9 kV	Date of 14 <sup>th</sup> amendment
8	Chappell Hill (1)	138 kV	2/23/2017
9	Colton (9)	12.5 kV	8/1/2017
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	8/1/2017
17	Luling City (6)	12.5 kV	8/1/2017
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	8/1/2017
22	Mendoza (9)	12.5 kV	8/9/2016
23	Paige (1)	138 kV	06/04/2015
24	Piscek (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	8/1/2017
31	Swiftex (12)	12.5 kV	11/17/2008
32	Warda (6)	24.9 kV	06/04/2015
33	Webberville (15)	24.9 kV	8/1/2017
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

**EXHIBIT A-(page 2)**

Amendment No. 14

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	3/20/2017
44			

-----The remainder of this page has intentionally been left blank-----

**FACILITY SCHEDULE NO. 7**  
Amendment No. 14

1. **Name:** Cedar Hill Substation
2. **Facility Location:** The Cedar Hill Substation is located at 1497 FM 1704, Elgin, Bastrop County, Texas 78621.
3. **Points of Interconnection:** There are fifteen (15) Points of Interconnection in the Cedar Hill Substation generally described as:
  - where the incoming distribution line connects to the tubular bus between switches CE21 and CE23 at breaker CE20.
  - where the jumper from breaker CE20 connects to the 4 hole pad on switch CE19.
  - where the jumper from breaker CE20 connects to the 4 hole pad on switch CE21.
  - where the incoming distribution line connects to the tubular bus between switches CE31 and CE33 at breaker CE30.
  - where the jumper from breaker CE30 connects to the 4 hole pad on switch CE29.
  - where the jumper from breaker CE30 connects to the 4 hole pad on switch CE31.
  - where the incoming distribution line connects to the tubular bus between switches CE51. and CE53 at breaker CE50.
  - where the jumper from breaker CE50 connects to the 4 hole pad on switch CE49.
  - where the jumper from breaker CE50 connects to the 4 hole pad on switch CE51.
  - where the incoming distribution line connects to the tubular bus between switches CE61 and CE63 at breaker CE60.
  - where the jumper from breaker CE60 connects to the 4 hole pad on switch CE59.
  - where the jumper from breaker CE60 connects to the 4 hole pad on switch CE61
  - where the incoming distribution line connects to the tubular bus between switches CE71 and CE73 at breaker CE70.
  - where the jumper from breaker CE70 connects to the 4 hole pad on switch CE69.
  - where the jumper from breaker CE70 connects to the 4 hole pad on switch CE71
4. **Transformation Services Provided by LCRA TSC:** Yes
5. **Metering Services Provided by LCRA TSC:** Yes
6. **Delivery Voltage:** 24.9-kV
7. **Metered Voltage and Location:** The metering voltage is 24.9-kV. The metering current transformer is located in the total bay for T1. The bus potential transformer is located on the 24.9-kV operating bus.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**

BBEC owns:

- Five (5) distribution circuits including dead-end insulators that attach to the dead-end structure, conductor, and hardware
- Five (5) distribution circuit breakers CE20, CE30, CE50, CE60 and CE70 including jumpers and protective relay packages
- Six (6) distribution circuit breaker foundations
- One (1) modulation transformer MTU1 and associated surge arrester and fuse

LCRA TSC owns:

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

- One (1) power transformers T1 with associated surge arresters
- One (1) circuit switcher CS6445 and associated bypass switch 6447
- Seven (7) distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9-kV operating and transfer bus, bus potential transformer, metering current transformer and associated cabling
- Three (3) single phase regulators REG3 and associated switches
- One (1) backup generator
- One (1) station service SS1 with fuse F1
- One (1) control house with batteries, battery charger and appurtenances
- 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:**
  - 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.
  - LCRA TSC will provide BBEC with floor space (as necessary) in its control house for the installation of BBEC required relay panel boards and equipment.
  - LCRA TSC and BBEC shall coordinate their respective protection system equipment so that adjacent zones of protection overlap, in accordance with ERCOT Nodal Operating Guidelines.

# CEDAR HILL ONE-LINE DIAGRAM

Amendment No. 14

