



Control Number: 35077



Item Number: 759

Addendum StartPage: 0

Project No. 35077

Sixth Amendment

INTERCONNECTION AGREEMENT

Between

LCRA Transmission Services Corporation

and

City of Seguin

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PUBLIC UTILITY COMMISSION
FILED CLERK

September 11, 2017

**SIXTH AMENDMENT TO
INTERCONNECTION AGREEMENT**

This Sixth Amendment ("Amendment") is made and entered into this 11 day of September, 2017, between the City of Seguin ("City") and the LCRA Transmission Services Corporation ("LCRA TSC") collectively referred to hereinafter as the Parties.

WHEREAS, the LCRA TSC and the City entered into that certain Interconnection Agreement executed October 17, 2008, as amended by that certain Amendment No. 1, executed as of January 6, 2010, as amended by that certain Amendment No. 2, executed as of September 14, 2011, as amended by that certain Amendment No. 3, executed as of May 24, 2012, and as amended by that certain Amendment No. 4, executed as of December 4, 2012, and as amended by that certain Amendment No. 5, executed as of October 25, 2016 (collectively, as amended, the "Agreement"),

WHEREAS, the LCRA TSC will install power transformer T3 and distribution bays and implement FY18 physical security measures at Seguin West Substation,

WHEREAS, LCRA TSC will remove the under frequency relay panel at Seguin West Substation, and;

WHEREAS, LCRA TSC will install the Stempel Substation and the City of Seguin will install distribution breakers.

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 Sixth Amendment is hereby added to the Agreement in lieu thereof.
2. Facility Schedule No. 3 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 3 attached to this Sixth Amendment is hereby added to the Agreement in lieu thereof.
3. Facility Schedule No. 3 (including the diagrams attached thereto) attached to this Sixth Amendment will become effective upon execution of this Sixth Amendment by the Parties.
4. Facility Schedule No. 4 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 4 attached to this Sixth Amendment is hereby added to the Agreement in lieu thereof.
5. Facility Schedule No. 4 (including the diagrams attached thereto) attached to this Sixth Amendment will become effective upon execution of this Sixth 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 Sixth Amendment to be executed in several counterparts, each of which shall be deemed an original but all shall constitute one and the same instrument.

CITY OF SEGUIN

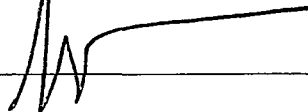
By: 

Name: Douglas Faseler

Title: City Manager

Date: 9/11/17

LCRA TRANSMISSION SERVICES
CORPORATION

By: 

Name: Sergio Garza, P.E.

Title: LCRA Vice President, Transmission
Design and Protection

Date: Aug 31, 2017



EXHIBIT A
Sixth Amendment

[illegible]

FACILITY SCHEDULE NO. 3
Sixth Amendment

1. **Name:** Seguin West Substation
2. **Facility Location:** The Seguin West Substation is located at 1405 New Braunfels St., Seguin, Guadalupe County, Texas 78155.
3. **Points of Interconnection:** There are eighteen (18) Points of Interconnection in the Seguin West Substation generally described as:
 - where the incoming distribution line connects to the tubular bus between switches SW11 and SW13 at breaker SW10.
 - where the jumper from breaker SW10 connects to the 4 hole pad on switch SW9.
 - where the jumper from breaker SW10 connects to the 4 hole pad on switch SW11.
 - where the incoming distribution line connects to the tubular bus between switches SW21 and SW23 at breaker SW20.
 - where the jumper from breaker SW20 connects to the 4 hole pad on switch SW19.
 - where the jumper from breaker SW20 connects to the 4 hole pad on switch SW21.
 - where the incoming distribution line connects to the tubular bus between switches SW31 and SW33 at breaker SW30.
 - where the jumper from breaker SW30 connects to the 4 hole pad on switch SW29.
 - where the jumper from breaker SW30 connects to the 4 hole pad on switch SW31.
 - where the incoming distribution line connects to the tubular bus between switches SW111 and SW113 at breaker SW110.
 - where the jumper from breaker SW110 connects to the 4 hole pad on switch SW99.
 - where the jumper from breaker SW110 connects to the 4 hole pad on switch SW111.
 - where the incoming distribution line connects to the tubular bus between switches SW121 and SW123 at breaker SW120.
 - where the jumper from breaker SW120 connects to the 4 hole pad on switch SW119.
 - where the jumper from breaker SW120 connects to the 4 hole pad on switch SW121.
 - where the incoming distribution line connects to the tubular bus between switches SW151 and SW153 at breaker SW150.
 - where the jumper from breaker SW150 connects to the 4 hole pad on switch SW149.
 - where the jumper from breaker SW150 connects to the 4 hole pad on switch SW151.
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 kV
7. **Metered Voltage and Location:** The metered voltage is 12.5 kV. The metering current transformers are located in T1 and T3. The metering potential transformers are located on the 12.5 kV operating bus for T1 and T3.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**

City of Seguin owns:

- Six (6) distribution circuit breakers SW10, SW20, SW30, SW110, SW120 and SW150 with foundations, jumpers and protective relaying
- Eighteen (18) riser pole distribution surge arresters at the feeder exits (6 x 3 phases)
- Six (6) distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
- Three (3) steel stands for underground feeder exits
- One (1) TWACS modulation transformer MTU1 and OMU and fuse F8

LCRA TSC owns:

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

- Two (2) circuit switchers CS9745 and CS28985 with bypass switches 9747 and 28987, foundation, stands, jumpers and protective relaying
- Two (2) power transformers T1 and T3 with associated surge arresters, foundations, jumpers and protective relaying
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, 12.5 kV operating and transfer buses, mobile transformer connection, bus disconnect switches and bus potential transformers
- One (1) station service SS1 with fuse F1
- One (1) control house (24' x 39') with battery, battery charger and appurtenances
- Substation property, ground grid, gravel, fencing and other appurtenances

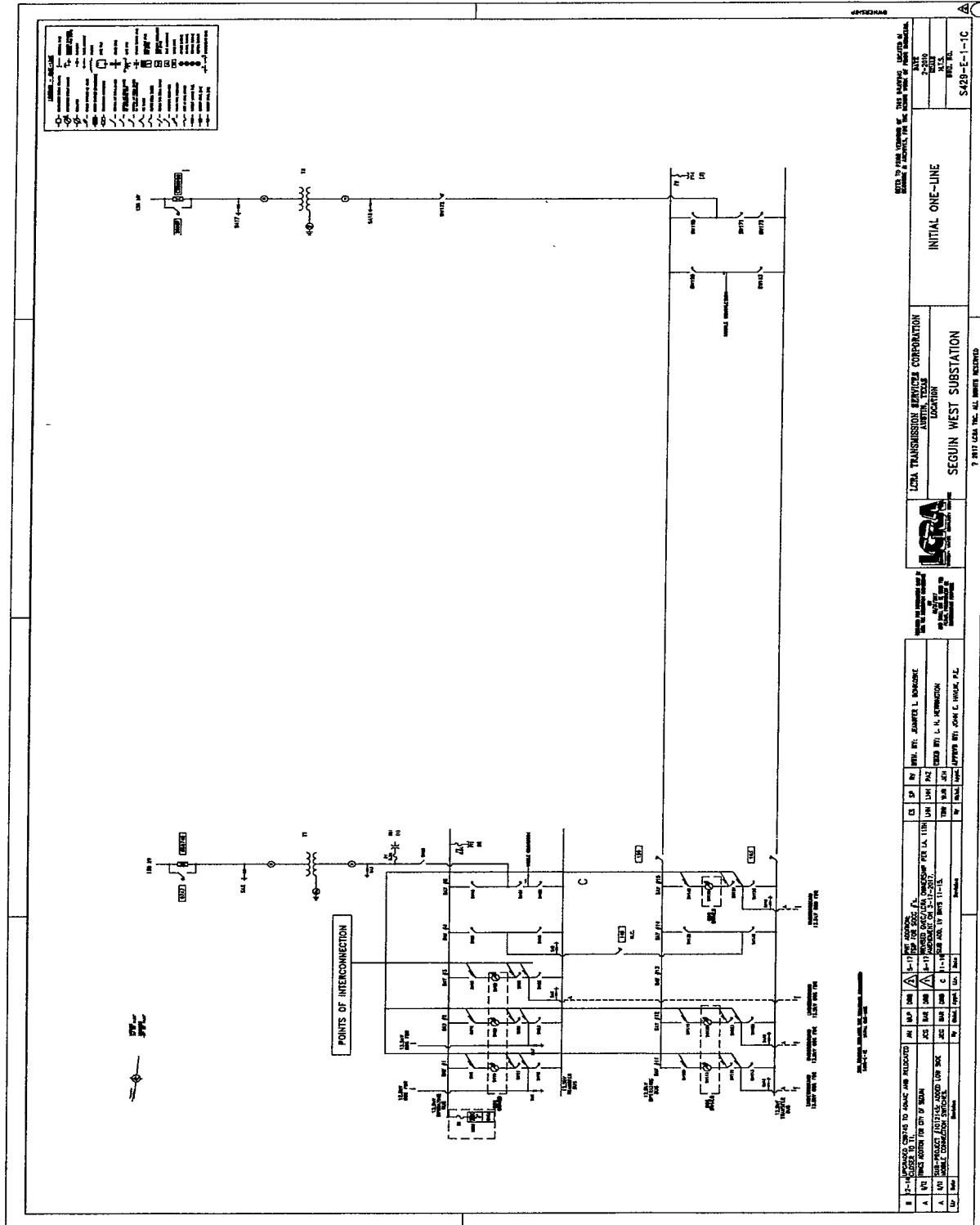
10. **Operational Responsibilities of Each Party:**
 - Each Party will be fully responsible for the operation of the equipment it owns.
11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.
12. **Other Terms and Conditions:**
 - LCRA TSC will share access to the Seguin West Substation by allowing the City to place a hardened lock in series with LCRA TSC's lock in the chain securing the gate.
 - LCRA TSC will share access to the Seguin West Substation control house.

Access is obtained by calling LCRA TSC's System Operations Control Center using the intercom at the door of the control house.

- The City is permitted to install, operate and maintain, a Strix model 82-2195 antenna and associated electronics at approximately 45 foot elevation on the existing LCRA TSC pole at the Southeast corner of the control house, operating at a transmit frequency of 5.725 Mhz and a receive frequency of 5.85 Mhz under the following conditions:
 - a) The City installation is reviewed and approved by LCRA TSC prior to installation.
 - b) The City installation does not interfere with LCRA TSC operations.
 - c) The City installation is for the sole purpose of electric utility operations associated with the substation and the City's distribution equipment.
 - d) If LCRA TSC in the future needs the communication pole space (at the sole discretion of LCRA TSC), then the City will relocate their facilities upon written notice from LCRA TSC.
- The City will complete the construction of the feeder bays, as well as the overhead and underground feeder exits before May 2018
- LCRA TSC will provide City 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 City with floor space (as necessary) in its control house for the installation of City required panels and equipment.
- Seguin West Substation access and physical security will be in accordance with LCRA TSC standards which includes:
 - An 8' tall ½" mesh security fence topped with 1'6" concertina wire
 - Intrusion detection
 - Perimeter lighting
 - Hardened chains and locks at access points
 - Yard and control house surveillance (cameras)
 - Card reader control house access with intercom to SOCC
 - RTU/Security cabinet card access only
 - No control house windows (houses with existing windows will have them blocked)
 - 120 db sirens and flashing lights inside and outside of control house

SEGUIN WEST ONE-LINE DIAGRAM

Sixth Amendment



FACILITY SCHEDULE NO. 4
Sixth Amendment

1. **Name:** Stempel Substation
2. **Facility Location:** The Stempel Substation is located at a location to be specified later.
3. **Points of Interconnection:** There are twelve one (12) Points of Interconnection in the Stempel Substation generally described as:
 - where the incoming distribution line connects to the tubular bus between switches ST101 and ST103 at breaker ST100.
 - where the jumper from breaker ST100 connects to the 4 hole pad on switch ST99.
 - where the jumper from breaker ST100 connects to the 4 hole pad on switch ST101.
 - where the incoming distribution line connects to the tubular bus between switches ST201 and ST203 at breaker ST200.
 - where the jumper from breaker ST200 connects to the 4 hole pad on switch ST199.
 - where the jumper from breaker ST200 connects to the 4 hole pad on switch ST201.
 - where the incoming distribution line connects to the tubular bus between switches ST401 and ST403 at breaker ST400.
 - where the jumper from breaker ST400 connects to the 4 hole pad on switch ST399.
 - where the jumper from breaker ST400 connects to the 4 hole pad on switch ST401.
 - where the incoming distribution line connects to the tubular bus between switches ST501 and ST503 at breaker ST500.
 - where the jumper from breaker ST500 connects to the 4 hole pad on switch ST499.
 - where the jumper from breaker ST500 connects to the 4 hole pad on switch ST501.
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 kV
7. **Metered Voltage and Location:** The metered voltage is 12.5 kV. The metering current transformer is located in T1. The metering potential transformer is located on the 12.5 kV operating bus for T1.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**
City of Seguin owns:
 - Four (4) distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
 - Four (4) distribution circuit breakers ST100, ST200, ST400 and ST500 with

- foundations, jumpers and protective relaying
- Four (4) steel stands for underground feeder exits
- Twelve (12) riser pole distribution surge arresters at the feeder exits (4 x 3 phases)

LCRA TSC owns: The Stempel Substation including but not limited to the following:

- Two (2) 138 kV A-frame dead end structures with foundations and trusses
- 138 kV operating bus with foundations and supports
- One (1) 138 kV mobile disconnection with switch 28868
- One (1) 138 kV surge arrester SA1
- One (1) 138 kV power voltage transformer PVT1
- Two (1) 138 kV motor operated switches MO28862 and MO28872 with foundations, stands and controls
- One (1) 138 kV circuit switcher CS28865 with cutoff switch 28864, bypass switch 28867, foundations, stand, jumpers and protective relaying
- One (1) power transformer T1 with associated surge arresters, foundation, jumpers and protective relaying
- Six (6) distribution and total bays including A-frames, trusses, insulators, disconnect switches, 12.5 kV operating and transfer buses, mobile transformer connection and bus potential transformer
- One (1) station service SS1 with fuse F1
- One (1) control house (24' x 42') with battery, battery charger and appurtenances
- Substation property, ground grid, gravel, fencing and other appurtenances

10. Operational Responsibilities of Each Party: Each Party is fully 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:

- LCRA TSC will share access to the Stempel Substation by allowing the City to place a hardened lock in series with LCRA TSC's lock in the chain securing the gate.
- LCRA TSC will share access to the Stempel Substation control house. Access is obtained by calling LCRA TSC's System Operations Control Center using the intercom at the door of the control house.
- LCRA TSC will provide City 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 City with floor space (as necessary) in its control house for the installation of City required panels and equipment.
- Stempel Substation access and physical security will be in accordance with LCRA TSC standards which includes:
 - An 8' tall ½" mesh security fence topped with 1'6" concertina wire
 - Intrusion detection

- Perimeter lighting
- Hardened chains and locks at access points
- Yard and control house surveillance (cameras)
- Card reader control house access with intercom to SOCC
- RTU/Security cabinet card access only
- No control house windows (houses with existing windows will have them blocked)
- 120 db sirens and flashing lights inside and outside of control house

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Sixth Amendment

