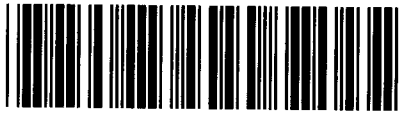




Control Number: 35077



Item Number: 572

Addendum StartPage: 0

**PUC Project No. 35077**

2015 07 13 11:30  
[Faint stamp]

**Amendment No. 3**

**INTERCONNECTION AGREEMENT**

**Between**

**LCRA Transmission Services Corporation**

**and**

**City of Lockhart**

**Dated**

**July 13, 2015**

*372*

**THIRD AMENDMENT TO  
INTERCONNECTION AGREEMENT**

This Third Amendment ("Amendment") is made and entered into this 13<sup>TH</sup> day of July, 2015, between City of Lockhart ("City") and LCRA Transmission Services Corporation ("LCRA TSC") collectively referred to hereinafter as the Parties.

**WHEREAS**, LCRA TSC and City entered into that certain Interconnection Agreement executed May 12, 2008, as amended by that certain First Amendment executed as of November 30, 2011, as amended by that certain Second Amendment executed as of July 19, 2013 (collectively, as amended, the "**Agreement**"); and

**WHEREAS**, LCRA TSC removed switch LK112 at Lockhart Substation, and has planned the installation of a mobile disconnect switch in 12.5 kV bay 12;

**WHEREAS**, LCRA TSC did not install bypass switch 24827 or coupling capacitor voltage transformers CCVT1 and CCVT2 at Clear Fork Substation as had been planned

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

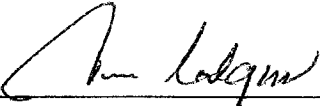
1. Exhibit "A" is deleted in its entirety and the Exhibit "A" attached to this Third Amendment is hereby added to the Agreement in lieu thereof.
2. Facility Schedule No. 1 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 1 attached to this Third Amendment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

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

IN WITNESS WHEREOF, the Parties have caused this Third 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 LOCKHART

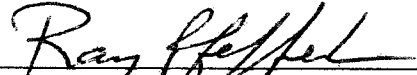
By: 

Name: Vance Rodgers

Title: City Manager

Date: 13 July 2015

LCRA TRANSMISSION SERVICES CORPORATION

By: 

Name: Ray Pfefferkorn, P.E.

Title: LCRA Transmission Engineering Manager

Date: 7/9/15



**EXHIBIT A**  
Amendment No. 3

<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	Lockhart Substation (12)	12.5 kV	Date of Third Amendment
2	Clear Fork Substation (6)	12.5 kV	Date of Third Amendment

## FACILITY SCHEDULE NO. 1

### Amendment No. 3

1. **Name:** Lockhart Substation
2. **Facility Location:** Lockhart Substation is located at 1000 E. FM 20, Lockhart, Caldwell County, Texas.
3. **Points of Interconnection:** There are twelve (12) Points of Interconnection in Lockhart Substation generally described as:
  - where the incoming distribution line connects to the tubular bus between switches LK21 and LK23 at breaker LK20.
  - where the jumper from breaker LK20 connects to the 4 hole pad on switch LK19.
  - where the jumper from breaker LK20 connects to the 4 hole pad on switch LK21.
  - where the incoming distribution line connects to the tubular bus between switches LK31 and LK33 at breaker LK30.
  - where the jumper from breaker LK30 connects to the 4 hole pad on switch LK29.
  - where the jumper from breaker LK30 connects to the 4 hole pad on switch LK31.
  - where the incoming distribution line connects to the tubular bus between switches LK41 and LK43 at breaker LK40.
  - where the jumper from breaker LK40 connects to the 4 hole pad on switch LK39.
  - where the jumper from breaker LK40 connects to the 4 hole pad on switch LK41.
  - where the incoming distribution line connects to the tubular bus between switches LK151 and LK153 at breaker LK150.
  - where the jumper from breaker LK150, passing through CT15, connects to the 4 hole pad on switch LK149.
  - where the jumper from breaker LK150 connects to the 4 hole pad on switch LK151.
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 metered voltage is 12.5 kV. The metering current transformers are located in transformer T2 for LK20, LK30, and LK40. The metering current transformer for LK150 is located in the feeder bay. The metering potential transformers for T1 and T2 are located on the respective 12.5 kV operating buses.
8. **One Line Diagram Attached:** Yes

**9. Description of Facilities Owned by Each Party:**

City owns:

- Four (4) distribution circuits including dead-end insulators that attach to the dead-end structures, conductor, and associated hardware
- Four (4) distribution circuit breakers with jumpers LK20, LK30, LK40, and LK150
- Four (4) 12.5 kV distribution circuit breaker foundations

LCRA TSC owns:

Lockhart 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 surge arrester SA1
- One (1) 138 kV bus potential transformer PT1
- One (1) 138 kV relaying bushing current transformer CT17
- One (1) 138 kV bus differential breaker failure relaying scheme
- Two (2) power transformers T1 and T2 with associated surge arresters, foundations, jumpers and protective relay packages
- Two (2) circuit switchers CS3365 and CS2875 with associated disconnect and bypass switches 2871, 2873, 2874, 3362, 3363, 3364, 2887 and 3367
- Two (2) 12.5 kV total circuit breakers LK50 and LK110
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches including mobile disconnect, surge arresters, 12.5 kV operating and transfer buses, bus potential transformers, and metering current transformers
- One (1) underfrequency relay panel
- Two (2) station service S1 and SS2
- One (1) control house with battery bank and battery charger
- Substation property, ground grid, gravel, fencing and other appurtenances

**10. Operational Responsibilities of Each Party:**

- Each Party will be 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:**

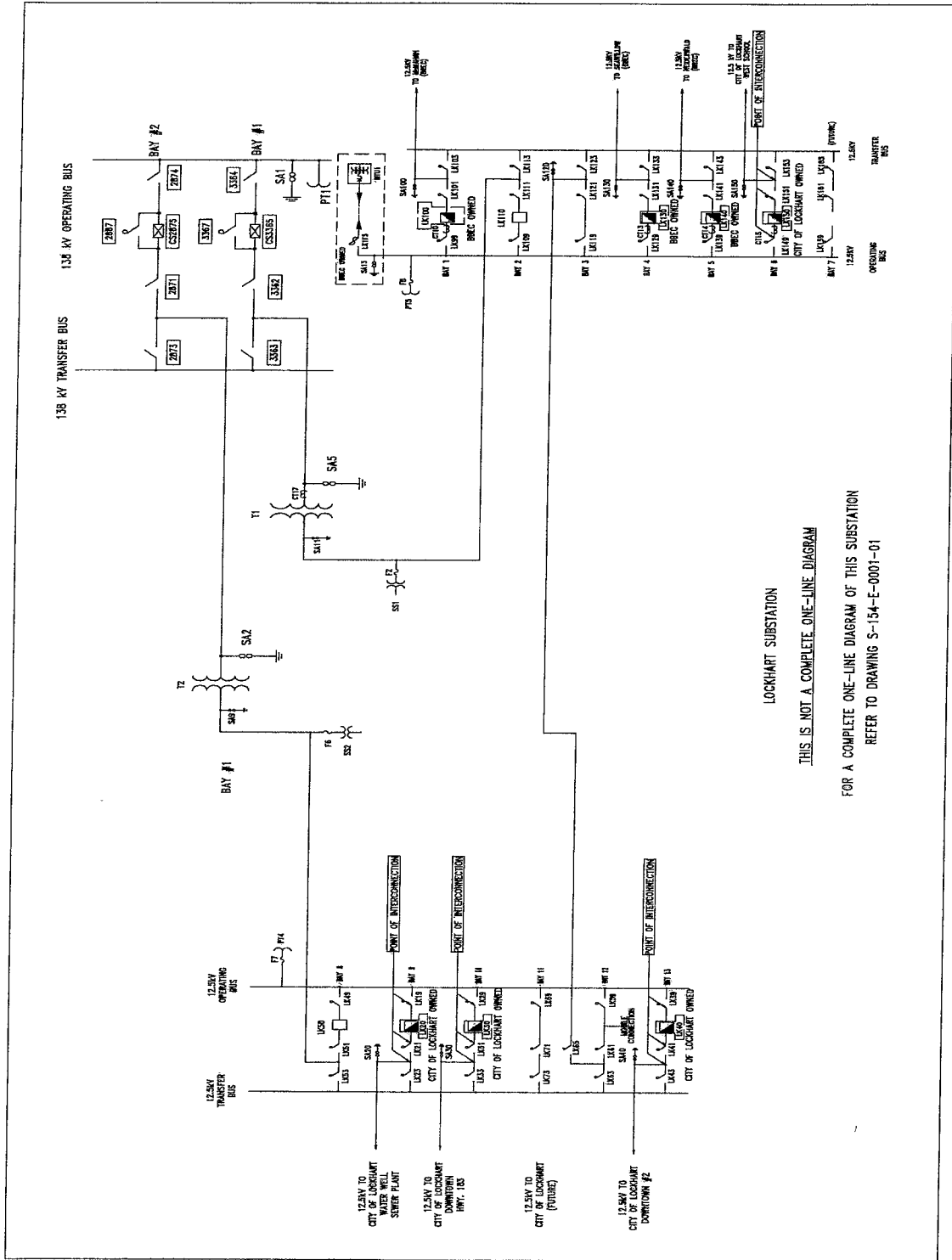
- City and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
- LCRA TSC will provide City access to 125 VDC and 120 VAC power. Circuits must have over current protection devices (OCPD) sized according to NEC standards. Panel boards containing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

- Bluebonnet Electric Cooperative, which is not a party to this agreement, owns 12.5 kV circuit breakers LK100, LK130 and LK140 shown on the accompanying one line diagram and MTU1 with surge arrester SA13 and fused disconnect LT1F5.



# LOCKHART ONE-LINE DIAGRAM

Amendment No. 3



**FACILITY SCHEDULE NO. 2**  
Amendment No. 3

1. **Name:** Clear Fork Substation
2. **Facility Location:** Clear Fork Substation is located at 2200 Maple St, Lockhart, Caldwell County, Texas 78644.
3. **Points of Interconnection:** There are six (6) Points of Interconnection in Clear Fork Substation generally described as:
  - where the incoming distribution line connects to the tubular bus between switches CF21 and CF23 at breaker CF20.
  - where the jumper from breaker CF20 connects to the 4 hole pad on switch CF19.
  - where the jumper from breaker CF20 connects to the 4 hole pad on switch CF21.
  - where the incoming distribution line connects to the tubular bus between switches CF31 and CF33 at breaker CF30.
  - where the jumper from breaker CF30 connects to the 4 hole pad on switch CF29.
  - where the jumper from breaker CF30 connects to the 4 hole pad on switch CF31.
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 metered voltage is 12.5 kV. The metering current transformer is located in transformer T1. The metering potential transformer is located on the T1, 12.5 kV operating buses.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**
  - City owns:
    - Two (2) distribution circuits including dead-end insulators that attach to the dead-end structures, conductor, and associated hardware
    - Two (2) surge arresters SA7 and SA8
    - Two (2) distribution circuit breakers with jumpers CF20 and CF30 including jumpers and protective relay packages
    - Three (3) 12.5 kV distribution circuit breaker foundations

LCRA TSC owns:

Clear Fork Substation including, but not limited to, the following items:

Note: All high voltage equipment, except for 69 kV surge arresters and 69 kV potential transformers, is rated at 138 kV in anticipation of conversion from 69 kV to 138 kV at some future date.

- Two (2) 138 kV dead-end structures, foundations, insulators and jumpers
- Six (6) 138 kV switches 24819, 24821, 24824, 24828, 24829 and 24831
- 138 kV operating bus including structures, insulators, hardware, foundations and jumpers
- Two (2) 138 kV circuit breakers 24820 and 24830 including jumpers, foundations and protective relay packages
- Two (2) 69 kV bus potential transformers PT3 and PT4
- Two (2) 69 kV surge arresters SA1 and SA2
- One (1) 138 kV mobile transformer connection point
- One (1) 138 kV circuit switcher CS24825
- One (1) power transformer T1 with associated surge arresters
- One (1) 138 kV bus differential & breaker failure relaying scheme
- One (1) 12.5 kV transformer bus disconnect switch CF42
- Two (2) 12.5 kV operating and transfer bus tie switches CF62 and CF65
- One (1) 12.5 kV metering current transformer CT1 with disconnect switches CF66 and CF67
- All distribution, mobile and total bays including A-frames, trusses, insulators, disconnect switches, 12.5 kV operating and transfer bus and bus potential transformer
- Two (2) 12.5 kV surge arresters SA9 and SA10
- Substation property ground grid, gravel, fencing and other appurtenances
- Station Service equipment
- Control house with battery

**10. Operational Responsibilities of Each Party:**

- City will be responsible for the operation of the two (2) distribution circuit breakers serving the City feeders.
- LCRA TSC will be responsible for the operation through the power transformer to the high voltage equipment.

**11. Maintenance Responsibilities of Each Party:**

- Each Party will be fully responsible for the maintenance of the equipment it owns.
- Maintenance of the City distribution breakers will be accomplished under a separate maintenance contract with LCRA TSC.

**12. Other Terms and Conditions:**

- City 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 City 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 City
- LCRA TSC will provide City with floor space (as available and as necessary) in its control house for the installation of City required relay panel boards and equipment.
  - LCRA TSC will provide City access to its station service as needed.

# CLEAR FORK ONE-LINE DIAGRAM

Amendment No. 3

