

RESOLUTION NO. 2019-57R

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SAN MARCOS, TEXAS APPROVING AN AMENDED AND RESTATED INTERCONNECTION AGREEMENT WITH THE LCRA TRANSMISSION SERVICES CORPORATION ("LCRA TSC") WHICH INCLUDES, AMONG OTHER ITEMS, THE ADDITION OF A MOBILE TRANSFORMER TAP AT THE RANCH ROAD 23 SUBSTATION; APPROVING AN ASSOCIATED BILL OF SALE TO TRANSFER CERTAIN BULK ELECTRIC SYSTEM COMPONENTS AT THE HILLTOP AND STRAHAN SUBSTATIONS TO LCRA TSC; AUTHORIZING THE CITY MANAGER, OR HIS DESIGNEE, TO EXECUTE SAID AMENDED AND RESTATED INTERCONNECTION AGREEMENT AND BILL OF SALE ON BEHALF OF THE CITY; AND DECLARING AN EFFECTIVE DATE.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SAN MARCOS, TEXAS:

PART 1. The attached Amended and Restated Interconnection Agreement and Bill of Sale are hereby approved.

PART 2. The City Manager, or his designee, is authorized to execute said Amended and Restated Interconnection Agreement and Bill of Sale on behalf of the City.

PART 3. This resolution shall be in full force and effect immediately from and after its passage.

ADOPTED on April 2, 2019.



Jane Hughson
Mayor

Attest:



Jamie Lee Case
City Clerk

**FIRST AMENDMENT TO AMENDED AND
RESTATED INTERCONNECTION
AGREEMENT**

This First Amendment to the Amended and Restated Interconnection Agreement ("this Agreement") is entered into this 13th day of May, 2019, by and between the City of San Marcos, Texas (San Marcos Electric Utility or "SMEU" or "City") and LCRA Transmission Services Corporation ("LCRA TSC"), referred to individually as "Party" and collectively as "Parties".

WHEREAS, LCRA TSC will purchase the control house and other appurtenances from SMEU, at Hilltop substation;

WHEREAS, LCRA TSC will purchase the control house and other appurtenances from SMEU, at Strahan Substation; and,

WHEREAS, SMEU has installed a new power transformer (PWT), at Ranch Road 12 Substation.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and conditions 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 First Amendment is 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 First Amendment is added to the Agreement in lieu thereof.
3. Facility Schedule No. 2, (including the diagrams attached thereto) is deleted in its entirety, and Facility Schedule No. 2 attached to this First Amendment is added to the Agreement in lieu thereof.
4. Facility Schedule No. 4, (including the diagrams attached thereto) is deleted in its entirety, and Facility Schedule No. 4 attached to this First Amendment is 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.

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IN WITNESS WHEREOF, the Parties have caused this First Amendment between LCRA Transmission Services Corporation and San Marcos Electric Utility, Texas 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 SAN MARCOS, TEXAS

By: [Signature]

Name: Bert Lumbreras

Title: City Manager, City of San Marcos, Texas

Date: 05/14/19

LCRA TRANSMISSION SERVICES CORPORATION

By: [Signature]

Name: Sergio Garza, P.E.

Title: LCRA Vice President, Transmission Design and Protection

Date: 05/13/2019



EXHIBIT A

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (kV)	EFFECTIVE DATE OF INTERCONNECTION
1	Hilltop Substation (2)	138-kV	Date of Amendment No. 1
2	Strahan Substation (1)	12.5-kV	Date of Amendment No. 1
3	McCarty Lane Substation (6)	12.5-kV	May 26, 2009
4	Ranch Road 12 Substation (1)	138-kV	Date of Amendment No. 1
5	Redwood Substation (12)	2 @ 138-kV; 10 @ 12.5-kV	May 26, 2009
6	San Marcos Substation (4)	138-kV	Sept 26, 2014
7	Canyon Substation (4)	12.5-kV	May 26, 2009

FACILITY SCHEDULE NO. 1

1. **Name:** Hilltop Substation
2. **Facility Location:** The Hilltop Substation is located at 321 Lamar Ave., San Marcos, Hays County, Texas.
3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Hilltop Substation generally described as:
 - where the jumper from LCRA TSC's 138-kV operating bus connects to SMEU's switch 2554
 - where the jumper from LCRA TSC's 138-kV operating bus connects to SMEU's switch 9554
4. **Transformation Services Provided by LCRA TSC:** No
5. **Metering Services Provided by LCRA TSC:** Yes, per separate Wholesale Metering Service Agreement
6. **Delivery Voltage:** 138-kV
7. **Metered Voltage and Location:** The metered voltage is 12.5-kV. The metering current transformers are located in bay 2 and bay 4 of the distribution system and in power transformer T2. The metering 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:**

San Marcos Electric Utilities owns:

The Hilltop Substation

- Two (2) power transformers T1 and T2 with associated surge arresters, and protective relaying
- Two (2) circuit switchers CS2555 and CS9555 with 138-kV disconnect switch 2554 and 9554
- One (1) circuit switcher bypass switch 9557
- All distribution circuit breakers
- 12.5-kV steel structures, 12.5-kV operating and transfer buses, switches, insulators, fused cutouts, and distribution class surge arresters
- One (1) 12.5-kV bus tie switch HI65
- One (1) 12.5-kV potential transformer PT2 with fuse F8
- One (1) load management system LM

- Three (3) Station Service SS1, SS2 and SS3 with associated fuses
- Substation property, ground grid, gravel, fencing, and other appurtenances

LCRA TSC owns:

- Two (2) 138-kV circuit breakers 9540 and 9550 with foundations and protective relaying
- Six (6) 138-kV switches 9539, 9541, 9543, 9549, 9551, and 9553
- Two (2) 138-kV dead-end towers with associated bus, insulators, and surge arresters SA6, SA7
- Two (2) coupling capacitor voltage transformers CCVT1 and CCVT2
- Two (2) wave traps with tuners WT1 and WT2
- One (1) 138-kV Operating Bus with associated steel supporting structures and insulators
- Jumpers from LCRA TSC's 138-kV operating bus to the Points of Interconnection at SMEU's disconnect switches 2554 and 9554
- Underfrequency relay panel
- One (1) 12.5-kV metering potential transformer PT1 with fuse F2
- One (1) 138-kV bus potential transformer PT5
- One (1) 138-kV surge arrester SA5
- One (1) 138-kV motor operated switch 9538
- Two (2) 12.5-kV metering current transformers CT1 and CT3
- One (1) 138-kV relaying current transformer CT4
- One (1) 138-kV bus, bus differential and breaker failure relaying package.
- Control House with station battery and charger, HVAC, and other appurtenances.
- One (1) AC distribution panel
- Two (2) DC distribution panels

10. Operational Responsibilities of Each Party: Each Party will be responsible for the operation of the equipment it owns. LCRA TSC shall operate the SMEU 138-kV equipment, including monitoring the SMEU power transformer alarms.

11. Maintenance Responsibilities of Each Party: Each Party will be fully responsible for the maintenance of the equipment it owns.

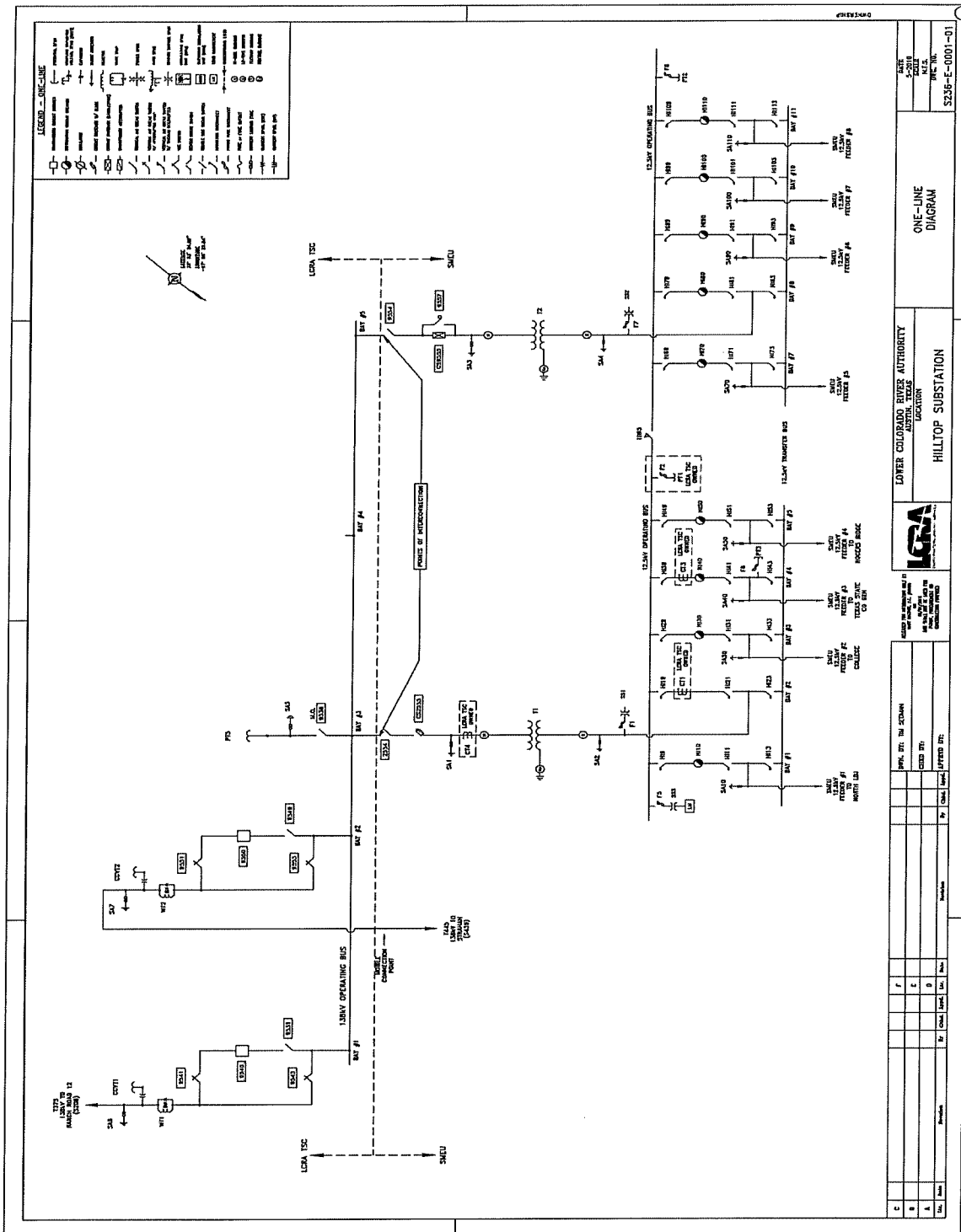
12. Other Terms and Conditions:

- SMEU 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 SMEU 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 SMEU.
- LCRA TSC will provide SMEU access to 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 SMEU (if space is available) or LCRA TSC.

- LCRA TSC will provide SMEU with floor space (as available and as necessary) in its control houses for the installation of SMEU required relay panel boards and equipment.
- SMEU shall supply and provide metering current transformers from power transformer T2 for LCRA TSC metering.
- SMEU shall supply and provide 12.5-kV bus potential transformer PT2 for LCRA TSC metering.
- LCRA TSC will provide tripping and close inhibit contacts from LCRA TSC's 138-kV differential & breaker failure relaying panel to SMEU's circuit switcher CS2555 relaying panel.
- LCRA TSC will provide tripping and close inhibit contacts from LCRA TSC's 138-kV bus differential & breaker failure relaying panel to SMEU's circuit switcher CS9555 relaying panel.
- SMEU will provide breaker failure initiate contacts from SMEU's 138-kV circuit switcher CS2555 relaying panel to LCRA TSC's 138-kV-bus differential & breaker failure relaying panel.
- SMEU will provide breaker failure initiate contacts from SMEU's 138-kV circuit switcher CS9555 relaying panel to LCRA TSC's 138-kV bus differential & breaker failure relaying panel.
- SMEU will supply and provide relaying current transformers from SMEU's Transformer T2 for use by LCRA TSC in LCRA TSC's 138-kV bus differential relaying scheme.
- LCRA TSC and SMEU shall design, provide, and coordinate their respective protection system equipment so that adjacent zones of protection overlap, in accordance with ERCOT Nodal Operating Guides.

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HILLTOP ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 2

1. **Name:** Strahan Substation
2. **Facility Location:** The Loop 82/Strahan Substation is located at 709 Aquarena Springs Dr. (Loop 82), San Marcos, Hays County, Texas.
3. **Point of Interconnection:** There is one (1) Point of Interconnection in the Strahan Substation: where the 12.5-kV bus terminates at the power transformer T1 LV bushings.
4. **Transformation Services Provided by LCRA TSC:** Yes, per separate Transformation Service Agreement
5. **Metering Services Provided by LCRA TSC:** Yes, per separate Wholesale Metering Service Agreement
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. The metering potential transformers are located on the 12.5-kV operating bus.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**

San Marcos Electric Utilities owns:

- Substation property, ground grid, gravel, fencing, and other appurtenances
- Five (5) distribution circuit breakers ST510, ST520, ST530, ST550, and ST560
- 15-kV (60:1 ratio) bus potential transformers
- Six (6) distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5-kV operating and transfer bus, bus potential transformers, and metering current transformers

LCRA TSC owns:

- One (1) 138-kV Ring bus including structures, insulators, hardware, foundations, and jumpers
- Three (3) 138-kV circuit breakers 9720, 9730 and 10780 with foundations and protective relaying
- Six (6) 138-kV switches 9719, 9721, 9729, 9731, 10779, and 10781
- One (1) power transformer T1 with associated surge arresters
- Two (2) coupling capacitor voltage transformers CCVT1 and CCVT2
- Two (2) wave traps with tuners WT1 and WT2
- One (1) 138-kV circuit switcher CS9515 with bypass switch 9517 and disconnect switch 9512

- Two (2) mobile transformer disconnect switches ST582 and ST585 on the ends of the 12.5-kV operating and transfer buses
- Station Service equipment
- Control house with station battery and charger, HVAC and other appurtenances.
- Two (2) AC distribution panels
- Two (2) DC distribution panels

10. Operational Responsibilities of Each Party: Each Party will be responsible for the operation of the equipment it owns.

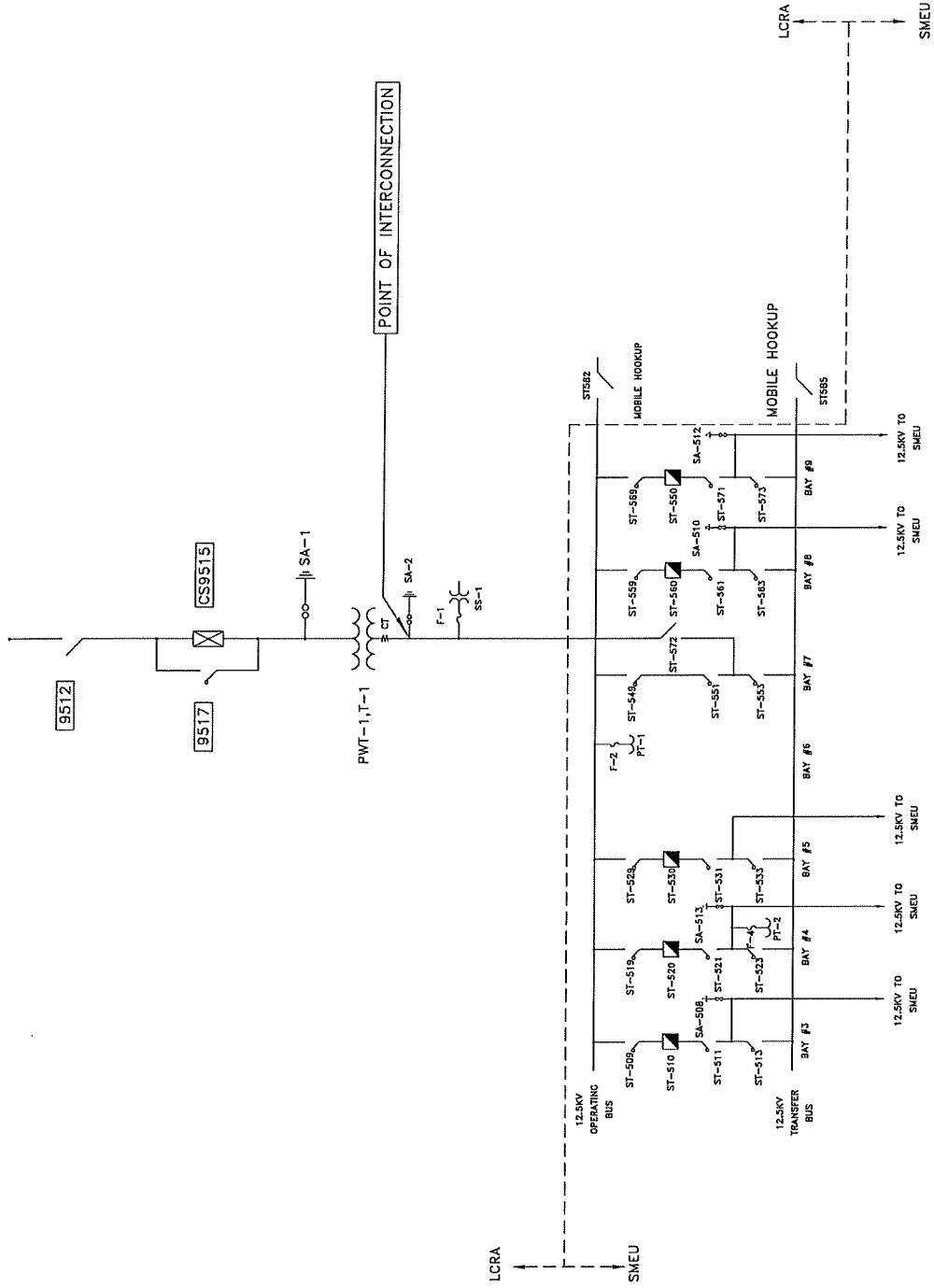
11. Maintenance Responsibilities of Each Party: Each Party will be fully responsible for the maintenance of the equipment it owns.

12. Other Terms and Conditions:

- The 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 SMEU access to 125 VDC. Circuits must have over current protection devices (OCPD) sized according to NEC standards. Panel boards containing the OCPD may belong to either SMEU (if space is available) or LCRA TSC.
- LCRA TSC will provide SMEU access to 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 SMEU (if space is available) or LCRA TSC.
- LCRA TSC will provide SMEU with floor space (as available and as necessary) in its control houses for the installation of LCRA TSC required relay panel boards and equipment.
- LCRA TSC and SMEU shall design, provide, and coordinate their respective protection system equipment so that adjacent zones of protection overlap, in accordance with ERCOT Nodal Operating Guides.

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STRAHAN ONE-LINE DIAGRAM



STRAHAN SUBSTATION
 THIS IS NOT A COMPLETE ONE-LINE DIAGRAM
 FOR A COMPLETE ONE-LINE DIAGRAM OF THIS
 SUBSTATION, REFER TO DRAWING S439-E-0001-01.

FACILITY SCHEDULE NO. 4

1. **Name:** Ranch Road 12 Substation
2. **Facility Location:** The Ranch Road 12 Substation is located at 2701 RR 12, San Marcos, Hays County, Texas.
3. **Point of Interconnection:** There is one (1) point of interconnection at Ranch Road 12 Substation: where the jumper from LCRA TSC's 138-kV operating bus connects to SMEU's switch 30154
4. **Transformation Services Provided by LCRA TSC:** No
5. **Metering Services Provided by LCRA TSC:** Yes, per separate Wholesale Metering Service Agreement
6. **Delivery Voltage:** 138-kV
7. **Metered Voltage and Location:** The metered voltage is 12.5-kV. The metering current transformers are located in T2. The metering potential transformers are located on the 12.5-kV operating bus.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**

San Marcos Electric Utility owns:

- Substation property, ground grid, gravel, fencing, and other appurtenances
- One (1) power transformer T2 with associated surge arresters and protective relaying
- One (1) circuit switchers CS30155 with 138-kV disconnect switch 30154
- One (1) circuit switcher bypass switch 30157
- Three (3) distribution bays including A-frames, trusses, insulators, disconnect switches, surge arresters, and 12.5-kV operating and transfer bus
- 12.5-kV bus potential transformers
- Three (3) distribution circuit breakers RR80, RR90, and RR100
- Station Service equipment
- Control house with station battery and charger
- AC and DC distribution panels

LCRA TSC owns:

- One (1) 138-kV Operating bus including structures, insulators, hardware, foundations, and jumpers
- Two (2) 138-kV line interrupting motor operated switches MO3969 and MO3959
- Two (2) 138-kV dead-end towers with associated foundations, insulators and

jumpers

- Underfrequency relay panel

10. Operational Responsibilities of Each Party: Each Party will be responsible for the operation of the equipment it owns. LCRA TSC shall operate the SMEU 138-kV equipment, including monitoring the SMEU power transformer alarms.

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

- SMEU and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
- SMEU 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 SMEU (if space is available) or LCRA TSC.
- SMEU will provide LCRA TSC with floor space (as available and as necessary) in its control houses for the installation of LCRA TSC required relay panel boards and equipment.
- SMEU shall supply and provide metering current transformers from power transformer T2 for LCRA TSC metering.
- SMEU shall supply and provide 12.5-kV bus potential transformer PT2 for LCRA TSC metering.
- LCRA TSC and SMEU shall design, provide, and coordinate their respective protection system equipment so that adjacent zones of protection overlap, in accordance with ERCOT Nodal Operating Guides.

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BILL OF SALE

This Bill of Sale dated as of this 3rd day of ~~February~~ ^{APRIL}, 2019 is from **City of San Marcos, Texas** (San Marcos Electric Utility or "SMEU" or "City") ("Seller"), to **LCRA Transmission Services Corporation**, a non-profit corporation and instrumentality of the Lower Colorado River Authority, a conservation and reclamation district of the State of Texas, ("Purchaser").

For and in consideration of \$10,248.13, cash paid in hand, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, Seller grants, bargains, and conveys to Purchaser all of Seller's right, title, powers, privileges and interests in, and to, Seller's improvements to real property as are more particularly described in Exhibit "A" attached hereto and incorporated by reference herein (the "Assets"). The following additional terms and conditions also apply.

1. **Effective Time.** The effective time of this Bill of Sale is 12:01 a.m. on ~~February~~ ^{MAY} 13th, 2019 ("Effective Time").

2. **Assignment of Warranties.** Seller hereby assigns to Purchaser any warranties or other rights or remedies Seller may have against contractors, suppliers and manufacturers who have performed work on, or supplied equipment to, the Assets.

3. **Liens.** Seller represents and warrants that it is the lawful owner of the Assets, and will transfer the Assets free and clear of any and all liens and encumbrances.

3. **Governing Law.** This Bill of Sale will be governed by and interpreted in accordance with the laws of State of Texas, without reference to principles that could refer to the law of another jurisdiction. The parties agree that any legal action or proceeding relating to this Bill of Sale or any other agreements mentioned in or contemplated by this Bill of Sale shall be instituted only in a court of competent jurisdiction in Travis County, Texas. THE PARTIES HEREBY WAIVE THE RIGHT TO TRIAL BY JURY IN ANY LITIGATION ARISING OUT OF OR RELATING TO THIS BILL OF SALE.

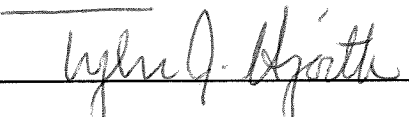
4. **Successors and Assigns.** The terms and provisions of this Bill of Sale will extend to and inure to the benefit of and be binding upon the parties, their respective successors and assigns.

5. **Counterparts.** This Bill of Sale may be executed in several counterparts, all of which are identical. All such counterparts together will constitute one and the same instrument.

The duly authorized representatives of the parties have signed this Bill of Sale on the dates indicated in the acknowledgements below, effective as of the Effective Time.

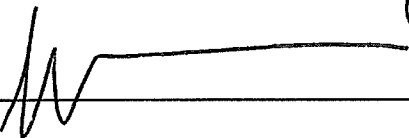

Seller:
City of San Marcos, Texas

Purchaser:
LCRA Transmission Services Corporation

By: 
Name: Tyler J. Hjorth, P.E.

Title: Assistant Director-Electric Utility

Date: April 3, 2019

By:  
Name: Sergio Garza, P.E.

Title: LCRA Vice President,
Transmission Design and Protection

Date: February 21, 2019

**EXHIBIT A
ASSETS**

Hill Top Substation Assets:

<u>Qty.</u>	<u>Equipment</u>	<u>Brand</u>	<u>Model/Cat #</u>	<u>Serial Number</u>	<u>Price</u>	<u>Total</u>
1	Battery Charger	Excide	UC 130-12		\$0	\$0
1	AC Distribution Panel 15				\$0	\$0
1	DC Distribution Panel 16				\$0	\$0
1	Flooded Lead-Acid Battery	Varta	4 OPzS 200		\$0	\$0
1	Control House with HVAC				\$10,248.13	\$10,248.13
						\$10,248.13

Strahan Substation Assets:

<u>Qty.</u>	<u>Equipment</u>	<u>Brand</u>	<u>Model/Cat #</u>	<u>Serial Number</u>	<u>Price</u>	<u>Total</u>
1	Battery Charger	La Marche	A12B-25-130V-B1		\$0	\$0
1	Flooded Lead-Acid Battery	Varta	4 OPzS 200		\$0	\$0
1	Control House with HVAC				\$0	\$0