



Control Number: 35077



Item Number: 227

Addendum StartPage: 0

PUC Project No. 35077

Second Amendment to Interconnection Agreement

Between

San Bernard Electric Cooperative

and

LCRA Transmission Services Corporation

April 20, 2011

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**SECOND AMENDMENT TO
INTERCONNECTION AGREEMENT**

This Second Amendment ("Amendment") is made and entered into this 20th day of April, 2011, between San Bernard Electric Cooperative ("SBEC") and LCRA Transmission Service Corporation ("LCRA TSC"), collectively referred to hereinafter as the Parties.

WHEREAS, the LCRA TSC and SBEC entered into that certain Interconnection Agreement executed February 9, 2009, as amended by that certain Amendment No. 1 executed as of August 4, 2009 (collectively, as amended, the "Agreement"); and

WHEREAS, the LCRA TSC is upgrading power transformer T-1 and adding an additional distribution bay at the Colorado Substation and SBEC is adding an additional distribution circuit breaker CD-50 to support additional SBEC distribution load; and

WHEREAS, LCRA TSC is installing a voltage regulator REG-2 at Hallettsville City Substation; and

WHEREAS, LCRA TSC is installing an additional current transformer CT-2 at New Bremen 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" attached to the Agreement is deleted in its entirety and the Exhibit "A" attached to this Second Amendment is hereby added to the Agreement in lieu thereof.
2. Facility Schedule No. 4 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 4 attached to this Second Amendment is hereby added to the Agreement in lieu thereof.
3. Facility Schedule No. 4 (including the diagrams attached thereto) attached to this Second Amendment will become effective upon execution of this Second Amendment by the Parties.
4. Facility Schedule No. 7 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 7 attached to this Second Amendment is hereby added to the Agreement in lieu thereof.
5. Facility Schedule No.7 (including the diagrams attached thereto) attached to this Second Amendment will become effective upon execution of this Second Amendment by the Parties.
6. Facility Schedule No. 9 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 9 attached to this Second Amendment is hereby added to the Agreement in lieu thereof.
7. Facility Schedule No.9 (including the diagrams attached thereto) attached to this Second Amendment will become effective upon execution of this Second 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 Second Amendment to be executed in several counterparts, each of which shall be deemed an original but all shall constitute one and the same instrument.

SAN BERNARD ELECTRIC
COOPERATIVE

By: Don Roberts

Name: Don Roberts

Title: SBEC Electric Systems Manager

Date: 3/24/11

LCRA TRANSMISSION SERVICES
CORPORATION

By: Ray Pfefferkorn

Name: Ray Pfefferkorn, P.E.

Title: LCRA Transmission Engineering
Manager

Date: 4/20/11

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EXHIBIT A
Second Amendment

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	EFFECTIVE DATE OF INTERCONNECTION
1	Bellville North (12)	12.5 kV	2/9/2009
2	Bellville South (3)	69 kV	2/9/2009
3	Bernardo (1)	69 kV	8/4/2009
4	Colorado (7)	12.5 kV/69 kV	Date of 2 nd Amendment
5	Frelsburg (1)	138 kV	2/9/2009
6	Glidden (1)	69 kV	2/9/2009
7	Hallettsville City (6)	12.5 kV	Date of 2 nd Amendment
8	Macedonia(3)	24.9 kV/138 kV	2/9/2009
9	New Bremen (12)	12.5 kV	Date of 2 nd Amendment
10	Prairie View (4)	138 kV	2/9/2009
11	Quanex (2)	12.5 kV/69 kV	2/9/2009
12	Quanex Switch Structure (3)	69 kV	2/9/2009
13	Sheridan Switch Structure (3)	69 kV	2/9/2009
14	Thorstenburg Switch Structure (3)	69 kV	2/9/2009
15	Waller (5)	12.5 kV/138 kV	2/9/2009
16	Rock Island (0)		2/9/2009
17	Seaway (0)		(8/4/2009
18	Sheridan (0)		2/9/2009
19	Sunnyside (0)		2/9/2009
20	Thorstenburg #2 (0)		2/9/2009
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FACILITY SCHEDULE NO. 4
Second Amendment

1. **Name:** Colorado Substation
2. **Facility Location:** The Colorado Substation is located at 1075 Renner Fwy. (Alt 90), Sheridan, Colorado County, Texas 77475.
3. **Points of Interconnection:** There are ten (10) Points of Interconnection in the Colorado Substation generally described as:
 - where the incoming 69 kV SBEC transmission line from Sheridan Substation terminates at the dead end structure in the substation.
 - where the incoming distribution line connects to the tubular bus between switches CD-31 and CD-33 at breaker CD-30.
 - where the jumper from breaker CD-30, passing through CT-6, connects to the 4 hole pad on switch CD-31.
 - where the jumper from breaker CD-30 connects to the 4 hole pad on switch CD-29.
 - where the incoming distribution line connects to the tubular bus between switches CD-41 and CD-43 at breaker CD-40.
 - where the jumper from breaker CD-40, passing through CT-7, connects to the 4 hole pad on switch CD-41.
 - where the jumper from breaker CD-40 connects to the 4 hole pad on switch CD-39.
 - where the incoming distribution line connects to the tubular bus between switches CD-51 and CD-53 at breaker CD-50.
 - where the jumper from breaker CD-50, passing through CT-8, connects to the 4 hole pad on switch CD-51.
 - where the jumper from breaker CD-50 connects to the 4 hole pad on switch CD-49.
4. **Transformation Services Provided by LCRA TSC:** Yes
5. **Metering Services Provided by LCRA TSC:** Yes
6. **Delivery Voltage:** 12.5 kV/69 kV
7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformers are located in PWT-1, T-1; 12.5 kV transformer bus and in each distribution bay. The bus potential transformer is located on the 12.5 kV operating bus.
8. **One Line Diagram Attached:** Yes

9. Description of Facilities Owned by Each Party:

SBEC owns:

- The following transmission lines comprised of conductors and connecting hardware:
 - Colorado to Sheridan transmission line
- Three (3) distribution circuit breakers CD-30, CD-40 and CD-50 including foundations, jumpers and protective relay packages
- Underfrequency relay equipment (disabled)
- Battery (48VDC)

LCRA TSC owns:

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

- 69 kV dead-end box structure including foundations, conductors and insulators
- Two (2) 69 kV circuit breakers 9530 and 9520 including foundations, jumpers and protective relay package
- Eight (8) 69 kV switches 904, 9519, 9521, 9523, 9528, 9529, 9531 and 9533
- Three (3) 69 kV surge arresters SA1, SA-2 and SA-8
- One (1) 69 kV bus potential transformer PT-1
- One (1) power transformer T-1 with associated surge arresters
- One (1) single phase current transformer CT-10
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer bus, bus potential transformer, metering current transformers and associated cabling
- Two (2) Station service SS-1 and SS-2
- Control house and batteries

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.

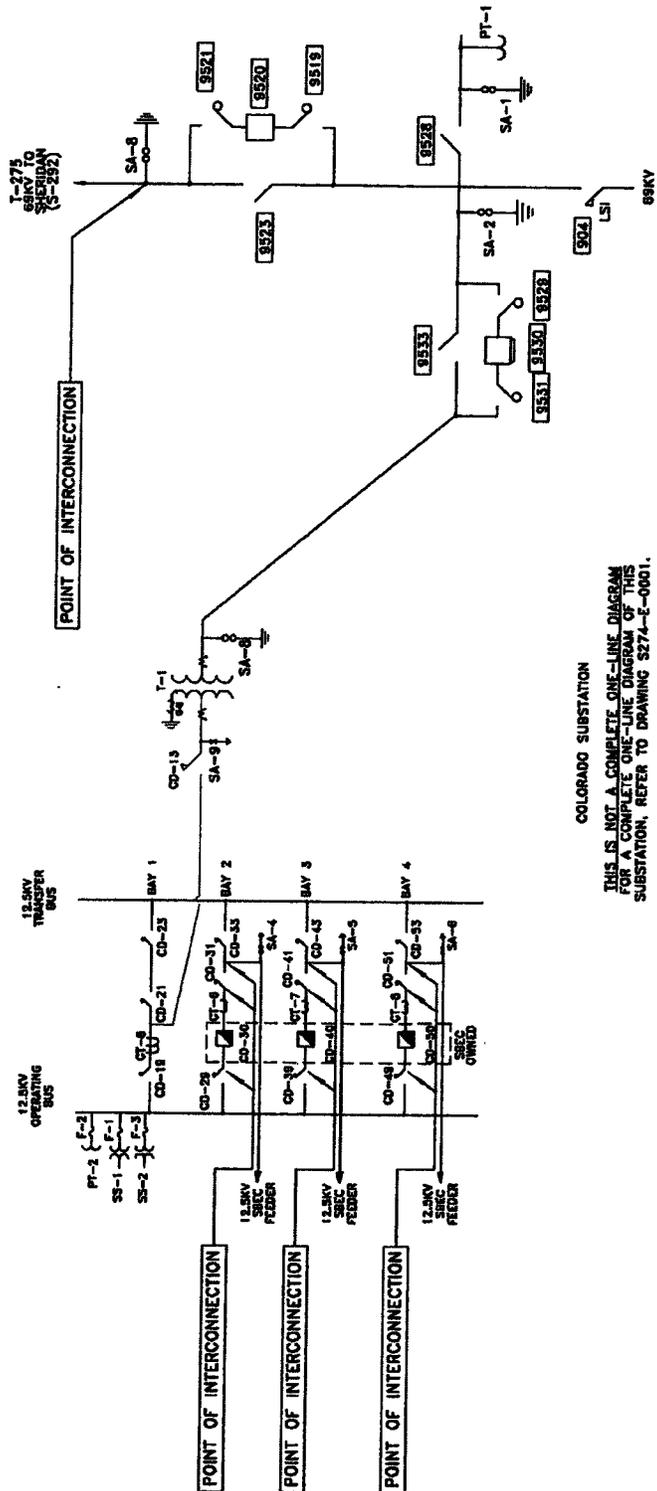
12. Other Terms and Conditions:

- SBEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
- Cost Responsibility: SBEC shall provide written notification to LCRA TSC when SBEC begins serving the new industrial load from feeder CD-50 for which the existing LCRA TSC's Power Transformer and associated equipment ("Transformation Facilities") will be upgraded from this substation. In the event that SBEC does not provide written notification to LCRA TSC that it is serving the new industrial load from this substation by September 30, 2011, then the LCRA TSC shall notify SBEC that it intends to remove its Transformation Facilities unless SBEC provides written notification by December 31, 2011 stating that i) SBEC is actually serving the new industrial load from this substation;

or, ii) SBEC intends to serve the new industrial load by August 30, 2012 through installed Transformation Facilities at this substation. LCRA TSC has the right to remove its upgraded Transformation Facilities if it does not receive written notification as stated above or if SBEC does not actually serve new industrial load from this substation by August, 30, 2012 and if the LCRA TSC does remove its upgraded Transformation Facilities for these reasons then SBEC shall reimburse the LCRA TSC for the costs in installing and removing the LCRA TSC upgraded Transformation Facilities from this substation. LCRA TSC has the right to keep the upgraded Transformation Facilities, even if SBEC does not intend to serve the new industrial load, and, in this scenario, SBEC shall reimburse the LCRA TSC for the costs of installing the upgraded LCRA TSC Transformation Facilities. Otherwise, if SBEC is serving new industrial load from this substation and has notified the LCRA TSC accordingly, then each Party will be fully responsible for the liabilities related to the facilities it owns and SBEC and the LCRA TSC will each be individually responsible for all costs it incurs in connection with the establishment of this Point of Interconnection in accordance with this Facility Schedule. The provisions of this Section shall survive termination of the Agreement and/or this Facility Schedule.

COLORADO ONE-LINE DIAGRAM

Second Amendment



COLORADO SUBSTATION
 THIS IS NOT A COMPLETE ONE-LINE DIAGRAM
 FOR A COMPLETE ONE-LINE DIAGRAM OF THIS
 SUBSTATION, REFER TO DRAWING S274-E-0001.

FACILITY SCHEDULE NO. 7
Second Amendment

1. **Name:** Hallettsville City Substation
2. **Facility Location:** The Hallettsville City Substation is located at 426 CR 1, Hallettsville, Lavaca County, Texas 77964.
3. **Points of Interconnection:** There are six (6) Points of Interconnection in the Hallettsville City Substation generally described as:
 - where the incoming distribution line connects to the tubular bus between switches HC-11 and HC-13 at breaker HC-10.
 - where the jumper from breaker HC-10, passing through CT-5, connects to the 4 hole pad on switch HC-9.
 - where the jumper from breaker HC-10 connects to the 4 hole pad on switch HC-11.
 - where the incoming distribution line connects to the tubular bus between switches HC-21 and HC-23 at breaker HC-20.
 - where the jumper from breaker HC-20, passing through CT-4, connects to the 4 hole pad on switch HC-19.
 - where the jumper from breaker HC-20 connects to the 4 hole pad on switch HC-21.
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 metering voltage is 12.5 kV. The metering current transformers are located in each distribution bay. The bus potential transformer is on the 12.5 kV operating bus.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**

SBEC owns:

 - Two (2) distribution circuits including dead end insulators that attach to the dead end structure, conductors, surge arresters and hardware
 - Two (2) low voltage circuit breakers HC-10, and HC-20 with jumpers, protective relaying and foundations
 - One (1) 12.5 kV disconnect switch HC-29
 - One (1) load management system LM
 - Battery and battery charger

LCRA TSC owns:

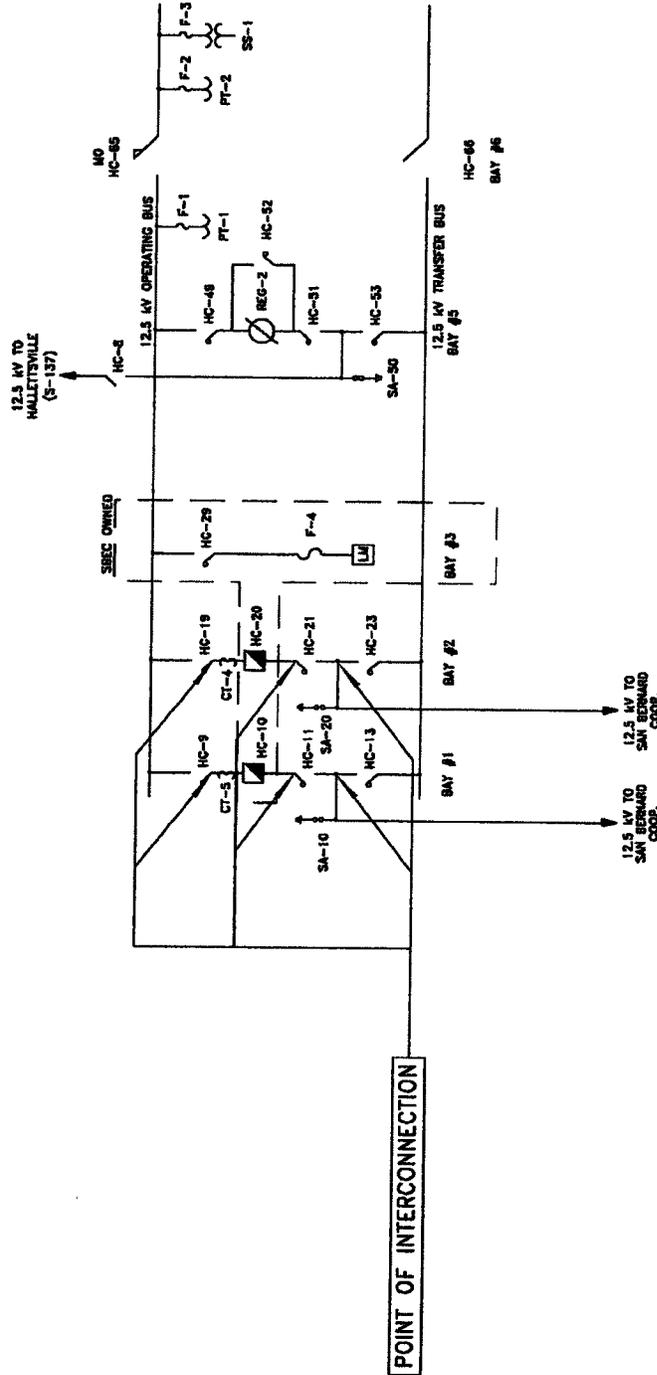
The Hallettsville City Substation including, but not limited to, the following items:

- All distribution and total bays including A-frames, trusses, insulators, disconnect switches (except bay #3), surge arresters, 12.5 kV operating and transfer bus, bus potential transformers, metering current transformers and associated cabling
- One (1) motor operated switch HC-65
- One (1) bus tie switch HC-66
- One (1) voltage regulator REG-2
- One (1) tie switch to Hallettsville sub HC-8
- Control house and battery
- Station service

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:** SBEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.

HALLETTVILLE CITY ONE-LINE DIAGRAM

Second Amendment



HALLETTVILLE CITY SUBSTATION

THIS IS NOT A COMPLETE ONE-LINE DIAGRAM FOR A COMPLETE ONE-LINE DIAGRAM OF THIS SUBSTATION, REFER TO DRAWING S204-E-0002.

FACILITY SCHEDULE NO. 9
Second Amendment

1. **Name:** New Bremen Substation
2. **Facility Location:** The New Bremen Substation is located at 22650 New Bremen Rd., Bleiberville, Austin County, Texas 78931.
3. **Points of Interconnection:** There are twelve (12) Points of Interconnection in the New Bremen Substation generally described as:
 - where the incoming distribution line connects to the tubular bus between switches NB-31 and NB-33 at breaker NB-30.
 - where the jumper from breaker NB-30 connects to the 4 hole pad on switch NB-31.
 - where the jumper from breaker NB-30 connects to the 4 hole pad on switch NB-29.
 - where the incoming distribution line connects to the tubular bus between switches NB-41 and NB-43 at breaker NB-40.
 - where the jumper from breaker NB-40 connects to the 4 hole pad on switch NB-41.
 - where the jumper from breaker NB-40 connects to the 4 hole pad on switch NB-39.
 - where the incoming distribution line connects to the tubular bus between switches NB-51 and NB-53 at breaker NB-50.
 - where the jumper from breaker NB-50 connects to the 4 hole pad on switch NB-51.
 - where the jumper from breaker NB-50 connects to the 4 hole pad on switch NB-49.
 - where the incoming distribution line connects to the tubular bus between switches NB-61 and NB-63 at breaker NB-60.
 - where the jumper from breaker NB-60 connects to the 4 hole pad on switch NB-61.
 - where the jumper from breaker NB-60 connects to the 4 hole pad on switch NB-59.
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 metering voltage is 12.5 kV. The metering current transformer is located in the total bay. The bus potential transformer is located on the 12.5 kV operating bus

8. One Line Diagram Attached: Yes

9. Description of Facilities Owned by Each Party:

SBEC owns:

- All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
- All distribution circuit breakers including foundations, jumpers and protective relay packages
- One (1) load management system LM
- 48 Vdc battery bank

LCRA TSC owns:

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

- One (1) circuit switcher CS-8965 with associated bypass switch 8967
- One (1) power transformer PWT-1, T-1 with associated surge arresters
- One (1) single phase current transformer CT-2
- Three (3) single phase regulators REG-1 with associated disconnect and bypass switches
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer bus, bus potential transformer, metering current transformer and associated cabling
- Control house and battery bank
- Station service

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: SBEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.

