



Control Number: 35077



Item Number: 280

Addendum StartPage: 0

Project No. 35077

Fifth Amendment to

INTERCONNECTION AGREEMENT

Between

**Guadalupe Valley Electric Cooperative, Inc.
and**

LCRA Transmission Services Corporation

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ILLINOIS ELECTRIC COMMISSION

Dated

February 16, 2012

280

FIFTH AMENDMENT TO INTERCONNECTION AGREEMENT

This Fifth Amendment ("Amendment") is made and entered into this 16th day of FEBRUARY, 2012, between the Guadalupe Valley Electric Cooperative, Inc. ("GVEC") and the LCRA Transmission Services Corporation ("LCRA TSC") collectively referred to hereinafter as the Parties.

WHEREAS, the LCRA TSC and GVEC entered into that certain Interconnect Agreement executed February 8, 2011; as amended by that certain Amendment No. 1, executed as of August 26, 2001; as amended by that certain Amendment No. 2, executed as of October 13, 2011; as amended by that certain Amendment No. 3, executed as of November 30, 2011; as amended by that certain Amendment No. 4, executed as of December 19, 2011 (collectively, as amended, the "Agreement"); and

WHEREAS, GVEC is adding the Lindenau Substation where LCRA TSC will have transmission equipment; and

WHEREAS, Security statements and references to GVEC providing space in the control house for LCRA TSC equipment were left out of the Mont and Lost Creek substation amendments

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 Fifth Amendment is hereby added to the Agreement in lieu thereof.
2. Facility Schedule No. 23 (including the diagrams attached thereto) attached to this Fifth Amendment is hereby added to the Agreement.
3. Facility Schedule No. 23 (including the diagrams attached thereto) attached to this Fifth Amendment will become effective upon execution of this Fifth Amendment by the Parties.
4. Facility Schedule No. 21 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 21 attached to this Fifth Amendment is hereby added to the Agreement in lieu thereof.
5. Facility Schedule No. 21 (including the diagrams attached thereto) attached to this Fifth Amendment will become effective upon execution of this Fifth Amendment by the Parties.
6. Facility Schedule No. 22 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 8 attached to this Fifth Amendment is hereby added to the Agreement in lieu thereof.

7. Facility Schedule No. 22 (including the diagrams attached thereto) attached to this Fifth Amendment will become effective upon execution of this Fifth 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 Fifth Amendment to be executed in several counterparts, each of which shall be deemed an original but all shall constitute one and the same instrument.

GUADALUPE VALLEY ELECTRIC
COOPERATIVE, INC.

By: 

Name: Robert B. Christmas

Title: Engineering & Operations Manager
and Chief Operating Officer

Date: FEB. 16, 2012

LCRA TRANSMISSION SERVICES
CORPORATION

By: 

Name: Ray Pfefferkorn, P.E.

Title: LCRA Transmission
Engineering Manager

Date: 2/15/12



Exhibit A
Amendment No. 5

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	EFFECTIVE DATE OF INTERCONNECTION
1	Cuero (18)	12.5 kV	8/26/2011
2	Geronimo (3)	138 kV	2/8/2011
3	Gonzales (2)	138 kV	2/8/2011
4	Hallettsville (2)	138 kV	2/8/2011
5	FM 237 Yorktown	69 kV	2/8/2011
6	Marion (2)	138 kV	8/26/2011
7	LCRA Nixon (3)	69 kV	2/8/2011
8	Parkway (6)	138 kV	2/8/2011
9	Schumansville (1)	138 kV	2/8/2011
10	Seguin (6)	138 kV	2/8/2011
11	Seguin West (6)	138 kV	2/8/2011
12	Sweet Home (6)	24.9 kV	2/8/2011
13	Thompsonville (3)	4.16 kV	2/8/2011
14	Waelder (6)	12.5 kV	2/8/2011
15	Weiderstein (2)	138 kV	2/8/2011
16	Yoakum-Gartner (11)	12.5 kV	2/8/2011
17	York Creek (1)	138 kV	2/8/2011
18	Cheapside (2)	138 kV	2/8/2011
19	Pilot Grove (2)	138 kV	8/26/2011
20	Nordheim-West (1)	69 kV	October 21, 2011
21	Lost Creek (3)	69 kV	Date of Amendment #5
22	Mont (1)	138 kV	Date of Amendment #5
23	Lindenau (1)	138 kV	Date of Amendment #5
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FACILITY SCHEDULE NO. 23
Amendment No 5

1. **Name:** Lindenau Substation
2. **Facility Location:** The Lindenau Substation is located at 5549 FM 766, Cuero, DeWitt County, Texas 77954.
3. **Points of Interconnection:** There is one (1) Point of Interconnection in the Lindenau Substation generally described as:
 - where the jumpers from the LCRA TSC 138 kV Operating Bus connects to the 4 hole pad on the GVEC 138 kV disconnect switch 24434.
4. **Transformation Services Provided by LCRA TSC:** No
5. **Metering Services Provided by LCRA TSC:** Yes
6. **Delivery Voltage:** 138 kV
7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformer is located inside T-2. 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:**
Note: Not all items are shown on attached one-line diagram.

GVEC owns:

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

- Two (2) 138 kV disconnect switches 24434 and 24444
- One(1) circuit switcher CS-24435
- One (1) power transformers T-2 with associated surge arresters and internal metering CT for use by LCRA TSC
- All distribution, bus tie and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer bus and bus potential transformers
- All distribution and total circuit breakers including jumpers, foundations and protective relay packages
- Station service with associated fused disconnect
- MTU with associated fused disconnect
- Control house and battery bank

LCRA TSC ownership includes but is not limited to the following items:

- Two (2) 138 kV dead-end structures, foundations, insulators and jumpers
- 138 kV operating bus including structures, insulators, foundations and jumpers
- Two (2) 138 kV motor operated switches MO-24429 and MO-24439 with associated interrupters
- One (1) metering panel
- One (1) RTU
- One (1) MOS/CS control/SIP/RTU panel

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

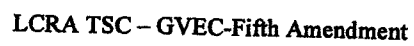
11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:**

- GVEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
- GVEC will purchase and provide to LCRA TSC the necessary transmission line easements into the substation in a form acceptable to LCRA TSC.
- GVEC will provide LCRA TSC with 120/240 Vac, 125 Vdc and panel space in the GVEC control house for LCRA TSC equipment as necessary
- **Cost Responsibility:** GVEC shall provide written notification to LCRA TSC when GVEC begins serving distribution load from this substation. In the event that GVEC does not provide written notification to LCRA TSC that it is serving distribution load from this substation by July 15, 2012, then LCRA TSC shall notify GVEC that it intends to remove its transmission facilities unless GVEC provides written notification by September 15, 2012 stating that i) GVEC is actually serving distribution load from this substation; or ii) GVEC intends to serve distribution load by June 15, 2013 through installed transformer(s) at this substation. LCRA TSC has the right to remove its facilities if it does not receive written notification as stated above or if GVEC does not actually serve load from this substation by June 15, 2013 and if LCRA TSC does remove its facilities for these reasons then GVEC shall reimburse LCRA TSC for the costs in installing and removing the LCRA TSC portion of this substation.

Otherwise, if GVEC is serving distribution load from this substation and has notified LCRA TSC accordingly, then each Party will be fully responsible for the liabilities related to the facilities it owns and GVEC and 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.

Amendment No. 5



FACILITY SCHEDULE NO. 21
Amendment No. 5

1. **Name:** Lost Creek Substation
2. **Facility Location:** The Lost Creek Substation is located at 235 Bell Road, Cuero, Dewitt County, Texas 77954.
3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Lost Creek Substation generally described as:
 - where the 69 kV operating bus connector bolts to the four hole pad on switch 23909
 - where the 69 kV operating bus connector bolts to the four hole pad on switch 23919
4. **Transformation Services Provided by LCRA TSC:** No
5. **Metering Services Provided by LCRA TSC:** Yes
6. **Delivery Voltage:** 69 kV
7. **Metered Voltage and Location:** The metering voltage is 4.16 kV. The metering current transformers are located inside T-3 and T-4. The bus potential transformers are located on the 4.16 kV operating buses.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**
GVEC owns:
 - The Lost Creek Substation including, but not limited to, the following items:
 - Five (5) A frame structures
 - Buswork from disconnect switches 23909 and 23919 to disconnect switches 23884 and 23894
 - Two (2) circuit switcher CS-23885 and CS-23895 with associated disconnect switch 23884 and 23894
 - Three (3) 138 kV bus disconnect switches 23899, 23909 and 23919
 - Two (2) power transformer T-3 and T-4 with associated surge arresters
 - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
 - All distribution circuit breakers including jumpers, protective relay packages and foundations.
 - All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 4.16 kV operating and transfer buses, bus potential transformers and associated cabling



- Two (2) station service, SS-3 and SS-4 with fuses F-7 and F-8 (not shown on attached partial one line)
- Control house (30' x48')
- Batteries and battery charger

LCRA TSC owns:

- Two (2) 138 kV dead-end structures, foundations, insulators and jumpers
- Two (2) 69 kV bus potential transformers PT-1 and PT-2
- Two 69 kV surge arresters SA-1 and SA-2
- 138 kV bus (69 kV Operating Bus #1) including support structures, foundations and jumpers
- Three (3) 138 kV circuit breakers 23880, 23890 and 23930 including jumpers, protective relay packages and foundations
- Seven (7) 138 kV disconnect switches 23879, 23881, 23889, 23891, 23929, 23941 and 23951
- One (1) potential transformer PT-5
- One (1) capacitor bank CP-1

All 138 kV equipment is being operated at 69 kV.

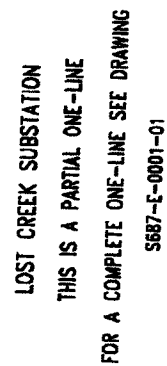
- 10. Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.
- 11. Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.
- 12. Other Terms and Conditions:**

- GVEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
- GVEC will purchase and provide to LCRA TSC the necessary transmission line easements into the substation in a form acceptable to LCRA TSC.
- GVEC will provide LCRA TSC with 120/240 Vac, 125 Vdc and panel space in the GVEC control house for LCRA TSC equipment as necessary
- **Cost Responsibility:** GVEC shall provide written notification to LCRA TSC when GVEC begins serving distribution load from this substation. In the event that GVEC does not provide written notification to LCRA TSC that it is serving distribution load from this substation by June 1, 2012, then LCRA TSC shall notify GVEC that it intends to remove its transmission facilities unless GVEC provides written notification by August 1, 2012 stating that i) GVEC is actually serving distribution load from this substation; or ii) GVEC intends to serve distribution load by May 1, 2013 through installed transformer(s) at this substation. LCRA TSC has the right to remove its facilities if it does not receive written notification as stated above or if GVEC does not actually serve load from this substation by May 1, 2013 and if LCRA TSC does remove its facilities for these reasons then GVEC shall reimburse LCRA TSC for the costs in installing and removing the LCRA TSC portion of this substation.

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Otherwise, if GVEC is serving distribution load from this substation and has notified LCRA TSC accordingly, then each Party will be fully responsible for the liabilities related to the facilities it owns and GVEC and 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.

Amendment No. 5



FACILITY SCHEDULE NO. 22
Amendment No. 5

1. **Name:** Mont Substation
2. **Facility Location:** The Mont Substation is located at 983 CR 171, Hallettsville, Texas 78964, Lavaca County .
3. **Points of Interconnection:** There is (1) Point of Interconnection in the Mont Substation generally described as:
 - where the 138 kV operating bus connector bolts to the four hole pad on switch 24034
4. **Transformation Services Provided by LCRA TSC:** No
5. **Metering Services Provided by LCRA TSC:** Yes
6. **Delivery Voltage:** 138 kV
7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformer is located inside T-1. 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:**
GVEC owns:
 - The Mont Substation including, but not limited to, the following items:
 - One (1) circuit switcher CS-24035 with associated disconnect switch 24034
 - One (1) 138 kV mobile disconnect switch 24044
 - One (1) power transformer T-1 with associated surge arresters
 - One (1) 24.9 kV transformer bus disconnect switch MT01
 - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
 - All distribution circuit breakers including jumpers, protective relay packages and foundations.
 - All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer bus, bus potential transformer and associated cabling
 - One (1) MTU, MTU1 with associated fused disconnects F2 and F4
 - Station service, SS-1 and fuse F-1
 - Control house (24' x 36')
 - Batteries and battery charger



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LCRA TSC owns:

- Two (2) 138 kV dead-end structures, foundations, insulators and jumpers
- Two (2) CCVTs, CCVT-1 and CCVT-2
- Two 138 kV surge arresters SA-1 and SA-2
- 138 kV bus including support structures, foundations and jumpers
- Two (2) 138 kV circuit breakers 24030 and 24040 including jumpers, protective relay packages and foundations
- Six (6) 138 kV disconnect switches 24029, 24031, 24033, 24039, 24041, and 24043

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

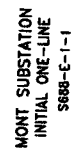
11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:**

- GVEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
- GVEC will purchase and provide to LCRA TSC the necessary transmission line easements into the substation in a form acceptable to LCRA TSC.
- GVEC will provide LCRA TSC with 120/240 Vac, 125 Vdc and panel space in the GVEC control house for LCRA TSC equipment as necessary
- **Cost Responsibility:** GVEC shall provide written notification to LCRA TSC when GVEC begins serving distribution load from this substation. In the event that GVEC does not provide written notification to LCRA TSC that it is serving distribution load from this substation by June 30, 2012, then LCRA TSC shall notify GVEC that it intends to remove its transmission facilities unless GVEC provides written notification by August 31, 2012 stating that i) GVEC is actually serving distribution load from this substation; or ii) GVEC intends to serve distribution load by May 31, 2013 through installed transformer(s) at this substation. LCRA TSC has the right to remove its facilities if it does not receive written notification as stated above or if GVEC does not actually serve load from this substation by May 31, 2013 and if LCRA TSC does remove its facilities for these reasons then GVEC shall reimburse LCRA TSC for the costs in installing and removing the LCRA TSC portion of this substation.

Otherwise, if GVEC is serving distribution load from this substation and has notified LCRA TSC accordingly, then each Party will be fully responsible for the liabilities related to the facilities it owns and GVEC and 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.

Amendment No. 5





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