

Project No. 35077

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Amendment No. 14

INTERCONNECTION AGREEMENT

Between

LCRA Transmission Services Corporation

and

Guadalupe Valley Electric Cooperative, Inc.

January 14, 2020

FOURTEENTH AMENDMENT TO INTERCONNECTION AGREEMENT

This Fourteenth Amendment ("Fourteenth Amendment") is made and entered into this day of January 14, 2020, between the Guadalupe Valley Electric Cooperative, Inc. ("GVEC") and LCRA Transmission Services Corporation ("LCRA TSC"), collectively referred to hereinafter as the Parties.

WHEREAS, 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, 2011; 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, as amended by that certain Amendment No. 5, executed as of February 16, 2012, as amended by that certain Amendment No. 6, executed as of April 25, 2013, as amended by that certain Amendment No. 7, executed as of July 29, 2013, as amended by that certain Amendment No. 8, executed as of December 19, 2014, as amended by that certain Amendment No. 9, executed as of February 23, 2015, as amended by that certain Amendment No. 10, executed as of October 20, 2016, as amended by that certain Amendment No. 11, executed as of March 10, 2017, as amended by that certain Amendment No. 12, executed as of June 29, 2017, as amended by that certain Amendment No. 13, executed as of September 21, 2017 (collectively, as amended, the "Agreement"); and,

WHEREAS, LCRA TSC will provide 138 kV transmission service to a new GVEC load serving substation called Meadow Lake Substation;

WHEREAS, the Parties wish to amend Facility Schedule 29 to reflect an updated design arrangement to install adjacent independent yards at Meadow Lake Substation; and

WHEREAS, GVEC will acquire the Meadow Lake Substation real property and convey a perpetual easement to LCRA TSC for LCRA TSC's 138 kV transmission line, the substation property where LCRA TSC's facilities will reside, and access to the substation property and transmission line.

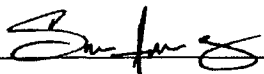
NOW, THEREFORE, in consideration of the mutual promises and undertakings herein set forth, the Parties agree to amend the Agreement as follows:

1. Exhibit "A" is deleted in its entirety and the Exhibit "A" attached to this Fourteenth Amendment is hereby added to the Agreement in lieu thereof.
2. Facility Schedule No. 29 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 29 attached to this Fourteenth Amendment is hereby added to the Agreement in lieu thereof.
3. Facility Schedule No. 29 (including the diagrams attached thereto) attached to this Fourteenth Amendment will become effective upon execution of this Fourteenth 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 Fourteenth 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: Sean Alvarez

Title: Chief Operating Officer

Date: 01/13/2020

LCRA TRANSMISSION SERVICES
CORPORATION



By: 

Name: Sergio Garza, P.E.

Title: LCRA Vice President, Transmission
Design and Protection

Date: 01/14/2020

Exhibit A
Amendment No. 14

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	EFFECTIVE DATE OF INTERCONNECTION
1	Cuero (18)	12.5 kV	9/21/2017
2	Geronimo (4)	138 kV	7/29/2013
3	Gonzales (2)	138 kV	2/8/2011
4	Hallettsville (2)	138 kV	12/19/2014
5	FM 237 Yorktown (1)	138 kV	12/19/2014
6	Marion (2)	138 kV	6/29/2017
7	LCRA Nixon (13)	69 kV /138 kV	3/10/2017
8	Parkway (6)	138 kV	2/8/2011
9	Schumansville (1)	138 kV	6/29/2017
10	Seguin (6)	138 kV	2/23/2015
11	Seguin West (4)	138 kV	9/21/2017
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	6/29/2017
17	York Creek (1)	138 kV	2/8/2011
18	Cheapside (2)	138 kV	2/8/2011
19	Pilot Grove (3)	138 kV	2/23/2015
20	Nordheim West (1)	138 kV	12/19/2014
21	Lost Creek (2)	138 kV	12/19/2014
22	Mont (1)	138 kV	2/16/2012
23	Lindenau (1)	138 kV	2/16/2012
24	Highway 123 (4)	138 kV	3/10/2017
25	Gillett (1)	138 kV	3/10/2017
26	Deer Creek (2)	69 kV/138 kV	9/21/2017
27	Shiner (3)	12.5 kV	2/23/2015
28	Moulton South (1)	138 kV	10/20/2016
29	Meadow Lake (2)	138 kV	Date of 14 th Amendment
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FACILITY SCHEDULE NO. 29

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1. **Name:** Meadow Lake Substation
2. **Facility Location:** The Meadow Lake Substation is comprised of GVEC's substation yard ("GVEC Yard") and LCRA TSC's substation yard ("LCRA TSC Yard") which abut and are separated by a partition fence. The Meadow Lake Substation is located at 641 Wagon Trail, Seguin Texas 78155 in Guadalupe County, at the following approximate coordinates: latitude: 29.53911; longitude: -97.95790.
3. **Points of Interconnection:** There are (2) Points of Interconnection in the Meadow Lake Substation generally described as:
 - 3.1 where the LCRA TSC jumpers cross the yard partition fence from the LCRA TSC 138 kV bus and attaches to the GVEC 138 kV bus connecting to the power transformer T1 disconnect switch, located in the GVEC Yard; and
 - 3.2 where the LCRA TSC jumpers cross the yard partition fence from the LCRA TSC 138 kV bus and attaches to the GVEC 138 kV bus connecting to the mobile connection disconnect switch, located in the GVEC Yard.
4. **Transformation Services Provided by LCRA TSC:** No
5. **Metering Services Provided by LCRA TSC:** No
6. **Delivery Voltage:** 138 kV
7. **Metered Voltage and Location:** There is one (1) GVEC-owned meter point at the Meadow Lake Substation generally described as one (1) set of metering current transformers located at the GVEC power transformer T1 24.9 kV bushings and one (1) set of metering bus potential transformers located on the GVEC 24.9 kV operating bus.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**
 - 9.1. **GVEC owns the following facilities in the GVEC Yard:**
 - 9.1.1 The property, ground grid, gravel, perimeter decorative wall and other appurtenances;
 - 9.1.2 One (1) 138 kV disconnect switch;
 - 9.1.3 One (1) 138kV mobile transformer connection point with disconnect switch;
 - 9.1.4 One (1) 138 kV circuit switcher with bypass switch, foundation, stand and jumpers;
 - 9.1.5 One (1) power transformer T1 with associated surge arresters, foundation, jumpers and protective relaying;
 - 9.1.6 All T1 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;

- 9.1.7 All T1 distribution circuit breakers with foundations, jumpers and protective relaying;
- 9.1.8 All 24.9 kV distribution feeders;
- 9.1.9 One (1) station service SS1 with fuses F1;
- 9.1.10 One (1) MTU, MTU1 with fused disconnect F4; and
- 9.1.11 One (1) control house with batteries, battery charger and appurtenances.

9.2. GVEC owns the following facilities in the LCRA TSC Yard:

- 9.2.1. The property; and
- 9.2.2. Perimeter decorative wall and access gate.

9.3. LCRA TSC owns the following facilities in the LCRA TSC Yard:

- 9.3.1. All the transmission facilities contained therein;
- 9.3.2. The ground grid, gravel and other appurtenances;
- 9.3.3. The partition fence and access gate between the LCRA TSC and GVEC Yard; and
- 9.3.4. The interface junction box between the LCRA TSC Yard and the GVEC Yard.

9.4. LCRA TSC owns the following facilities in the GVEC Yard:

- 9.4.1. The wire bus jumpers that cross the partition fence connecting the LCRA TSC 138 kV bus to the POIs defined in Section 3.1 and 3.2; and
- 9.4.2. Approximately 3 ft. of conduit inside the GVEC Yard from the interface junction box.

9.5. LCRA TSC owns the following transmission lines comprised of conductors, connecting hardware, insulators, shield wire, and structures:

- 9.5.1. The Highway 123 to Meadow Lake 138 kV transmission line; and
- 9.5.2. The Cushman to Meadow Lake 138 kV transmission line.

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:

12.1. Relay and Control

- 12.1.1. GVEC will supply and allow LCRA TSC use of power transformer T1 relaying bushing current transformers for its 138 kV bus differential relaying scheme.
- 12.1.2. LCRA TSC will provide tripping and close inhibit contacts from its 138 kV transformer bus differential & breaker failure relaying panel to GVEC's 138 kV circuit switcher relaying panel.
- 12.1.3. GVEC will provide breaker failure initiate contacts from its circuit switcher relaying panel to LCRA TSC's 138 kV transformer bus differential & breaker failure relaying panel.
- 12.1.4. LCRA TSC and GVEC shall design, provide, and coordinate their respective protection system equipment so that adjacent zones of protection overlap, in accordance with ERCOT Nodal Operating Guides.
- 12.1.5. LCRA TSC will supply and install the interface junction box and will provide

trenching, cable and conduits from its facilities to the interface junction box for wiring needed to interface the two systems. LCRA TSC will make wiring connections.

12.1.6. LCRA TSC will provide four (4) 2-inch conduits from the LCRA TSC interface junction box to three (3) feet inside the GVEC Yard fence.

12.1.7. GVEC will provide trenching, cable and conduits from its facilities to the termination panel located in the LCRA TSC yard of the Meadow Lake Substation for wiring needed to interface the two systems. LCRA TSC will make wiring connections.

12.2. Physical

12.2.1. GVEC shall construct and maintain the access road.

12.2.2. GVEC and LCRA TSC are to share road access to the Meadow Lake Substation; each entity will have their own locks on the road access gates installed to allow shared access.

12.2.3. LCRA TSC Yard access and physical security will be in accordance with LCRA TSC physical security design guidelines.

12.2.4. LCRA TSC shall design and construct the partition fence between the GVEC Yard and LCRA TSC Yard.

12.2.5. GVEC and LCRA TSC shield wire systems will be installed by each Party and will not be connected together.

12.2.6. GVEC and LCRA TSC ground grids will be installed by each Party but will be connected together at the shared partition boundary by LCRA TSC.

12.3. Real Estate

12.3.1. GVEC will convey to LCRA TSC a perpetual access easement, in a form acceptable to LCRA TSC, that provides good and adequate rights of vehicular ingress and egress to and from a public road and for access rights for necessary overhead and underground utility and communication services to Meadow Lake Substation.

12.3.2. GVEC shall convey to LCRA TSC, a separate stand-alone transmission line easement, in a form approved by LCRA TSC, to support the construction of the LCRA TSC 138 kV transmission line terminations to serve the Meadow Lake Substation.

12.3.3. GVEC shall convey to LCRA TSC a perpetual and exclusive electric substation easement, in a form approved by LCRA TSC, for the real property in the LCRA TSC Yard.

12.3.4. LCRA TSC's acquisition of the access, transmission line, and substation easements are subject to LCRA TSC's review and acceptance of a field survey, legal documentation, title commitment and title insurance policy, to be acquired at GVEC's expense on behalf of LCRA TSC, as well as archeological research and an environmental assessment conducted by LCRA TSC. In no event shall the access, transmission line, and substation easements be subject to any lien or any other encumbrance unacceptable to LCRA TSC. If LCRA TSC finds the access, transmission line, and substation easements to be acceptable, and subject to any required approval by the LCRA TSC Board, LCRA TSC will offer to pay the seller an amount for the associated easements equal to their market value as determined by LCRA TSC.

12.4. Site Development

- 12.4.1. GVEC will acquire the Meadow Lake Substation site and perform or cause to be performed the site grading for the GVEC Yard and the LCRA TSC Yard. LCRA TSC will review and approve the grading plan and reimburse GVEC for LCRA TSC's proportionate share of the site grading costs.
- 12.4.2. GVEC will provide any required flood mitigation for the Meadow Lake Substation site.
- 12.4.3. GVEC shall design, construct, and maintain any required detention pond(s).
- 12.4.4. GVEC will acquire any necessary permits required for development of the Meadow Lake Substation site.
- 12.4.5. GVEC shall perform a Subsurface Utility Engineering (SUE) Level B survey, grading plan, topographical surveying and submit to LCRA TSC for review and acceptance.

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