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Amendment to Interchange Agreement

Between

South Texas Electric Cooperative

and

LCRA Transmission Services Corporation

May 9, 2017

**AMENDMENT TO
INTERCHANGE AGREEMENT**

This Amendment to the Interchange Agreement, dated October 7, 1987 ("the Agreement"), between South Texas Electric Cooperative ("STEC") and the Lower Colorado River is made and entered into this 9 day of May, 2017 between STEC and the LCRA Transmission Services Corporation ("Corporation") (assignee of the Lower Colorado River Authority), and collectively referred to hereinafter as the Parties.

WHEREAS, the facility schedule for Schneeman Draw Switchyard was added to the Agreement to accommodate a wind generation interconnection, ERCOT GINR 16INR0091, ("Santa Rita"), originally scheduled to be on-line by the end of 2016;

WHEREAS, the Santa Rita generator notified both STEC and the Corporation of its modified schedule to delay the in-service date required for the transmission facilities at Schneeman Draw Switchyard; and

WHEREAS, STEC and the Corporation no longer find it necessary to install a temporary tap or have two phases of construction to complete the Schneeman Draw Switchyard to accommodate the delayed in-service date.

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

- Facility Schedule No.13 (including the diagrams attached thereto) attached to this amendment is hereby added to the Interchange Agreement.
- Facility Schedule No. 13 (including the diagrams attached thereto) attached to this Amendment will become effective upon execution of this 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 Amendment to be executed in several counterparts, each of which shall be deemed an original but all shall constitute one and the same instrument.

SOUTH TEXAS ELECTRIC
COOPERATIVE

By: _____

Name: Mike Kezar

Title: General Manager

Date: 5/9/17

LCRA TRANSMISSION SERVICES
CORPORATION

By: _____

Name: Sergio Garza, P.E.

Title: LCRA Vice President, Transmission Design
and Protection

Date: April 18, 2017



FACILITY SCHEDULE NO. 13
STEC SCHNEEMAN DRAW AM 2017

1. Name: Schneeman Draw
2. Point of Interconnection location: The Points of Interconnection are located in Schneeman Draw Switchyard in Crockett County, Texas. There are two (2) Points of Interconnection at the Schneeman Draw Switchyard generally described as:
 - where the Corporation's jumper from the Corporation's switchyard equipment connects to STEC's Bakersfield Switchyard to Schneeman Draw Switchyard 345 kV transmission line at the Corporation switchyard dead end structure.
 - where the Corporation's jumper from the Corporation's switchyard equipment connects to STEC's Big Hill Switchyard to Schneeman Draw Switchyard 345 kV transmission line at the Corporation switchyard dead end structure.
3. Delivery Voltage: 345kV
4. Metered Voltage: Not applicable.
5. Normal closed: Yes
6. One-Line Diagram Attached: Yes
7. Facilities owned by STEC: STEC owns the single-circuit 345 kV transmission line (double-circuit capable) from the Bakersfield Switchyard to the Schneeman Draw Switchyard and the single-circuit 345 kV transmission line (double-circuit capable) from Big Hill Switchyard to the Schneeman Draw Switchyard, including bundled 1590 ACSR conductors, OPGW shielding, and OPGW splices along the transmission line, transmission line structures and rights-of-way. STEC owns their transmission line dead-end insulator string and attachment hardware connecting to the Corporation's switchyard dead-end structures. STEC does not own any switchyard equipment at Schneeman Draw Switchyard.
8. Facilities owned by the Corporation: The Corporation owns the Schneeman Draw Switchyard, including the 345 kV ring bus, 345 kV circuit breakers, 345 kV switches, 345 kV line switches, switch motor operators, 345kV line surge arrestors at switchyard dead-end structures for the STEC 345 kV lines, 345 kV coupling capacitor voltage transformers, protection and control panels for the STEC 345 kV lines, Remote Terminal Unit, communication electronics, and jumpers from the switchyard equipment to the STEC 345 kV transmission lines at the Points of Interconnection. The Corporation owns all the switchyard equipment for the STEC 345 kV transmission lines. The Corporation provides and owns the fiber patch panel(s), the fiber facility entry cable(s), and the fiber splice box(es) within the Schneeman Draw Switchyard for the STEC fiber. The Corporation owns a power voltage transformer (primary station service) and distribution feed (backup station service). The Corporation owns the 36' x

66' control house with batteries, battery charger and other appurtenances. The Corporation owns the switchyard property, ground grid, gravel, fencing and other appurtenances.

9. Cost Responsibility: Each Party will be fully responsible for the liabilities related to the facilities it owns. STEC and the Corporation will each be responsible for all costs it incurs in connection with establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule. The Corporation will have full use of the STEC transmission line fiber for transmission utility related purposes and STEC will not charge the Corporation for the use of the STEC transmission line fiber optics.

10. Operational and Maintenance Responsibility: Each Party will be responsible for the operation and maintenance of the facilities it owns, with the exception of the fiber splices along the line which may also be maintained by the Corporation at no cost to STEC. The joint maintenance responsibility of the fiber is to aid in timely repair to return the fiber to operational status.

11. Supplemental terms and conditions:

- The Corporation will monitor STEC 345 kV transmission line flows and other facilities at the Schneeman Draw Switchyard.
- The Corporation will provide ICCP data from the Schneeman Draw Switchyard to ERCOT in accordance with ERCOT requirements.
- The Corporation's standard 345 kV transmission line protection schemes will be applied and reviewed with STEC. Any deviations must be mutually agreed upon by STEC and the Corporation. Relay settings will be developed by the Corporation and reviewed with STEC.
- Each Party will name and number their respective equipment.
- Outage scheduling for the STEC 345 kV lines will be coordinated through the Corporation's System Operations Control Center, as the Corporation shall direct all switching at the Points of Interconnection and coordinate all switching of the Schneeman Draw Switchyard equipment.
- STEC is responsible for NERC TADS reporting for their 345 kV lines.
- The Corporation will install 3000 Amp switchyard series facilities so that it will not limit the STEC line rating at 105 degrees Fahrenheit ambient. The Corporation will provide the switchyard series equipment ratings to STEC from 20 to 115 degrees Fahrenheit ambient in five degree increments for Normal, Two-Hour, and Fifteen-Minute conditions.
- The Parties will coordinate on the use of dynamic ratings for the STEC 345 kV line where the dynamic ratings are ambient temperature dependent from 20 to 115 degrees Fahrenheit in five degree increments.
- Corporation recognizes that STEC is installing the facilities described in Section 7 of this Facility Schedule to facilitate Corporation's request for the new Points of Interconnection identified in Section 2 of this Facility Schedule. If Corporation cancels its request for these Points of Interconnection prior to energizing the Points of Interconnection or if Corporation terminates the Points of Interconnection because the facilities are not required, Corporation agrees to pay the actual installed

costs incurred and committed to be incurred by STEC, and the actual costs of removal of the STEC material and equipment, that STEC determines cannot be recovered through transmission cost of service rates. The total installed cost of the STEC facilities described hereinabove is estimated to be One Million Five Hundred Seventy-four Thousand One Hundred Eighteen dollars (\$1,574,118), which Corporation agrees is reasonable.

- The Parties agree to make the necessary modifications to their respective systems to interconnect the Santa Rita generator.

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