



Control Number: 35077



Item Number: 229

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**PUC Project No. 35077**

**Amendment to Interconnection Agreement**

**Between**

**Austin Energy**

**and**

**LCRA Transmission Services Corporation**

**March 28, 2011**

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**AMENDMENT TO  
INTERCONNECTION AGREEMENT**

**(FACILITY SCHEDULE #6 - ELROY SUBSTATION)**

This Amendment ("Amendment") for the Elroy Substation to the Interconnection Agreement (the "Agreement"), dated December 17, 1999, between the City of Austin acting by and through its Electric Utility Department doing business as Austin Energy ("Austin Energy") and the LCRA Transmission Services Corporation ("LCRA TSC"); subsequently amended on January 1, 2001; September 1, 2001; October 5, 2006; and amended again on November 10, 2008, is made and entered into this 28<sup>th</sup> day of March, 2011, between Austin Energy and the LCRA TSC, collectively referred to hereinafter as the Parties. 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 Amendment of November 10, 2008 is deleted in its entirety and the Exhibit A attached to this Amendment is hereby added to the Agreement in lieu thereof.
2. Facility Schedule No. 6 (new) attached to this Amendment (including the one-line diagram attached thereto) is hereby added to the Agreement.
3. Facility Schedule No. 6 will become effective upon execution of this Amendment by the Parties. Unless otherwise agreed by the Parties, the Elroy Point of Interconnection will not be placed into service under Facility Schedule No. 6 until the Parties have completed the installation and testing of all equipment to be furnished for this Point of Interconnection in accordance with the provisions contained in Facility Schedule No. 6.
6. Except as otherwise expressly provided for herein, the Agreement will continue in full force and effect in accordance with its terms.

This Amendment constitutes the entire agreement and understanding between the Parties with regard to the interconnection of the facilities of the Parties at the Points of Interconnection expressly provided for in this Amendment. The Parties are not bound by or liable for any statement, representation, promise, inducement, understanding, or undertaking of any kind or nature (whether written or oral) with regard to the subject matter hereof not set forth or provided for herein. This agreement replaces all prior agreements and undertakings, oral or written, between the Parties with regard to the subject matter hereof and all such agreements and undertakings are agreed by the Parties to no longer be of any force or effect. It is expressly acknowledged that the Parties may have other agreements covering other services not expressly provided for herein, which agreements are unaffected by this Agreement.

- Remainder of page has intentionally been left blank. -


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.

**Austin Energy**

By:   
Typed Name: David Wood, P.E.  
Title: Vice-President  
Electric Service Delivery  
Austin Energy

Date: 3/30/11

**LCRA Transmission Services Corporation**

By:   
Typed Name: Ray Pfefferkorn, P.E.  
Title: Transmission Engineering Manager  
LCRA Transmission Service Corporation

Date: 3/28/11



## EXHIBIT A

### LIST OF FACILITY SCHEDULES AND POINTS OF INTERCONNECTION

<u>Facility Schedule No.</u>	<u>Name of Point of Interconnection</u>
1	Trading Post
2	Garfield – Bastrop Energy Partners
3	<del>Jollyville (temporary PEC PWT)</del> – no longer in service
4	Wells Branch
5	Lytton Springs
6	Elroy

## FACILITY SCHEDULE NO. 6

1. **Name:** Elroy
2. **Point of Interconnection location:** The Point of Interconnection is located at the Elroy Substation ("Substation") on property owned by an Austin Energy customer near the intersection of Elroy Road and Kellum Lane in Travis County, Texas. Specifically, there is one point of interconnection where the LCRA TSC jumpers connect to Austin Energy 138 kV switch ER-611. The addition of an extra point of interconnection at the Elroy Substation, shall require the agreement of the parties and such agreement will be set forth in a subsequent amendment to Interconnection Agreement.
3. **Delivery voltage:** 138 kV
4. **Metering (voltage, location, losses adjustment due to metering location, and other):** All required ERCOT metering will be installed and owned by Austin Energy inside the Elroy Substation and will be designed and installed in accordance with the ERCOT Operating Guides. Metering will be accomplished using 12.47 kV potential and current metering accuracy instrument transformers located in the Substation. The primary and backup meters will be equipped to compensate for losses to the Point of Interconnection.
5. **Normally closed:** Yes
6. **One line diagram attached:** Yes
7. **Facilities to be furnished by Austin Energy:** Austin Energy will design, construct, own, operate, and maintain Austin Energy's portion of the Elroy Substation as required to accommodate the interconnection, including but not limited to:
  - One 138 kV free-standing isolation switch
  - One 138 kV high side interrupting device
  - One dedicated 138/12.47 kV 30 MVA power transformer with surge arresters serving the on-site customer
  - One 12.47 kV switchgear
  - One 12470/120x240 VAC transformer for primary station service with fused disconnect switch on secondary (LCRA TSC to provide cables from the disconnect switch to the control house)
  - SCADA and associated communications equipment
  - Associated structures, foundations, relays, panels, controls, cables and conduits for one unit substation
  - Ground grid, surface gravel, substation perimeter drive, chain-link perimeter fence or other enclosure
  - Shielding of Austin Energy equipment for lightning protection
  - SPCC plan and secondary containment for Austin Energy oil-filled equipment
  - Substation property, permitting, and site grading to sub-grade provided by Austin Energy customer

- Substation final grading and rock base provided by Austin Energy
- Austin Energy customer will provide a heavy haul access road
- ERCOT metering devices
- Animal deterrent system

Austin Energy will exchange signals and connections at the Elroy Substation as required for LCRA TSC SCADA.

Austin Energy will provide Breaker Failure protection on each High-side Interrupting Device.

Austin Energy will provide multi-ratio CTs in the power transformer for use in LCRA TSC's bus differential scheme.

Austin Energy acknowledges that the Formula One racetrack property owners have communicated their agreement to grant Austin Energy a substation easement in perpetuity for the Elroy Substation site.

Upon receiving a substation easement for the Elroy Substation site, Austin Energy will grant to LCRA TSC a license, at no cost to LCRA TSC, by no later than October 1, 2011 for the LCRA TSC facilities to be constructed on the Elroy Substation site. License agreement will be in a form consistent with the license agreement for LCRA TSC facilities at the Garfield substation, issued by Austin Energy on the 6<sup>th</sup> day of June 2001. The scope of the license granted to LCRA TSC shall be limited to the right to install and maintain equipment as described in this Amendment, but in no event shall LCRA TSC be prevented from installing equipment that is required for LCRA TSC to maintain compliance with ERCOT requirements or to ensure GRID reliability for the service of Austin Energy customers through the Elroy Substation.

8. **Facilities to be furnished by LCRA TSC:** LCRA TSC will design, construct, own, operate and maintain LCRA TSC's portion of the Elroy Substation as required to accommodate the interconnection, including but not limited to:
- 138 kV ring bus, including jumpers to Austin Energy 138 kV switch
  - three 145 kV (operated at 138 kV) 3000A circuit breakers, with minimum 40 kA fault-interrupting rating
  - eight 138 kV 2000A three pole switches
  - seven 138 kV surge arresters
  - one 138 kV power PT
  - two transmission line termination bays
  - associated structures, insulators and foundations
  - six coupling capacitor voltage transformers
  - the cables from Austin Energy station service fused disconnect to the automatic transfer switch in the control house
  - control house with 125 Vdc batteries, battery charger, ac & dc distribution panels, automatic transfer switch for station service, air conditioner, relays, controls, cables, conduits and other appurtenances

- line relaying, bus differential, breaker failure relaying, and associated panels, RTU, and communications equipment

LCRA TSC will provide Austin Energy with 120/240 Vac and 125 Vdc power from LCRA TSC's panels for Austin Energy equipment as necessary

LCRA TSC will exchange signals and connections at the Elroy Substation as required for Austin Energy SCADA.

**9. Operation and Maintenance:** Each Party will be responsible for the operation and maintenance of the facilities it owns.

Austin Energy will direct and coordinate all switching for Austin Energy's facilities, including their 138 kV high side interrupting device, associated 138 kV disconnect switches and distribution facilities. These facilities will not be locked or switched by LCRA TSC.

LCRA TSC will direct and coordinate all switching for LCRA TSC's facilities, including the 138 kV transmission lines, 138 kV circuit breakers and associated 138 kV disconnect switches, 138 kV bus and bus differential. These facilities will not be locked or switched by Austin Energy.

**10. Cost Responsibility:**

- Austin Energy shall provide written notification to LCRA TSC when Austin Energy begins serving distribution load from this substation. In the event that Austin Energy does not provide written notification to LCRA TSC that it is serving distribution load from this substation by July 31, 2012, then LCRA TSC shall notify Austin Energy that it intends to remove its transmission facilities unless Austin Energy provides written notification by October 31, 2012 stating that i) Austin Energy is actually serving distribution load from this substation; or ii) Austin Energy intends to serve distribution load by no later than June 30, 2013 through installed transformer(s) at this substation. LCRA TSC has the right to remove its facilities if it does not receive written notification from Austin Energy as required above or if Austin Energy does not actually serve load from this substation by June 30, 2013 and if LCRA TSC does remove its facilities for these reasons then Austin Energy shall reimburse LCRA TSC for its actual costs to install and remove the LCRA TSC portion of this substation.
- At such time as Austin Energy 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 Austin Energy 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.

**11. Supplemental terms and conditions:**



- Coordination and response to the ERCOT under-frequency or under-voltage load shedding program for Austin Energy load served out of this facility is the responsibility of Austin Energy.
- Austin Energy and LCRA TSC are to share access to the substation by LCRA TSC and Austin Energy locks in the gates and in the control house doors.
- Austin Energy is responsible for reporting to ERCOT all load data requests for Austin Energy load served out of this facility.
- Each Party shall be responsible for the ICCP data to ERCOT, ERCOT model configuration, equipment ratings, naming, and numbering convention for the equipment it owns.
- The Parties shall coordinate modeling information before submitting it to ERCOT.
- Austin Energy's ultimate build out plan for the Elroy Substation site includes the addition of another power transformer, switchgear, and associated equipment to serve electric customers in the surrounding Austin Energy service territory.

# ONE LINE DRAWING

