Control Number: 35077

Item Number: 185

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Project No. 35077

Amendment No. 3 to

INTERCONNECTION AGREEMENT

Between

AEP Texas Central Company

and

LCRA Transmission Services Company

April 28, 2010

185

AMENDMENT NO. 3 TO THE
INTERCONNECTION AGREEMENT
BETWEEN
AEP TEXAS CENTRAL COMPANY
AND
LCRA TRANSMISSION SERVICES CORPORATION

This Amendment No. 3 (this "Amendment") to the Interconnection Agreement between AEP Texas Central Company and LCRA Transmission Services Corporation (the "Interconnection Agreement"), executed January 11, 2005, is made and entered into as of April 28, 2010, by and between AEP Texas Central Company and LCRA Transmission Services Corporation, each being referred to as a "Party" and both collectively referred to as the "Parties".

WITNESSETH:

WHEREAS, the Parties entered into the Interconnection Agreement on January 11, 2005 (including all Exhibits and Facility Schedules attached thereto) to restate and amend an earlier interconnection agreement between Central Power and Light Company (now known as AEP Texas Central Company ("AEP")) and the Lower Colorado River Authority (the assignor to LCRA Transmission Services Corporation ("LCRA")); and

WHEREAS, the Interconnection Agreement provides terms and conditions that allow a Point of Interconnection be added to or deleted from the Interconnection Agreement as mutually agreed by the Parties, whereby such addition or deletion be recorded in Exhibit A and a Facility Schedule be added or deleted in such a way that the numbering of the other Facility Schedules in the Interconnection Agreement is not changed; and

WHEREAS, the Points of Interconnection at the Nueces Bay Substation, Port Aransas Substation, Laguna Substation and Hamilton Road have been terminated as a result of the sale of the transmission facilities within these substations to Electric Transmission Texas, LLC; and

WHEREAS, operation and control of the 69 kV transmission facilities at several substations in the Dewitt, Gonzales, Guadalupe, Karnes and Colorado counties of Texas have been transferred from AEP to LCRA; and

WHEREAS, the fiber optic communications circuits attached to several LCRA transmission lines were not correctly identified in a previous amendment to the Interconnection Agreement; and

WHEREAS, the Parties have agreed to amend the Interconnection Agreement in accordance with its terms and conditions;

NOW, THEREFORE, in consideration of the foregoing premises and the mutual covenants set forth herein, the Parties agree as follows:

I. CAPITALIZED TERMS.

Capitalized terms used but not otherwise defined herein shall have the meanings specified in the Interconnection Agreement, as amended and supplemented by this Amendment.

II. AMENDMENTS.

Effective as of the date first written above, a) Facility Schedules numbered 1B, 5, 10 through 12, 14, 15, and 45 through 68 of the Interconnection Agreement are hereby amended, b) Facility Schedules numbered 13, 32,43, and 44 are hereby terminated and c) Exhibit A of the Interconnection Agreement is hereby amended to record these changes. Such amended Facility Schedules and amended Exhibit A will be included in the Interconnection Agreement to form one consolidated and amended agreement.

III. RATIFICATION OF OTHER TERMS.

All other terms and conditions of the Interconnection Agreement which are not specifically amended by this Amendment shall remain unchanged and are hereby ratified by the Parties and shall continue to be in full force and effect.

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IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed in two (2) counterparts, each of which shall be deemed an original but both shall constitute one and the same instrument.

AEP TEXAS CENTRAL COMPANY

By _____

Name: Michael Heyeck

Title: Vice President

LCRA TRANSMISSION SERVICES CORPORATION

By _____

Name: Ray Pfefferkorn, P.E.

Title: LCRA Transmission Engineering Manager

EXHIBIT A
Amendment No. 3

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	LAST DATE(S) OF AMENDMENT IN THIS OR PREVIOUS INTERCONNECTION AGREEMENT*
1A	Luling 69 (0)	NA	June 1, 1973 November 1, 2008
1B	Luling City 12.5 (4)	12.5	June 1, 1973 November 1, 2008 April 28, 2010
2	Yorktown (1)	12.5	June 1, 1973
3	Nordheim (1)	12.5	June 1, 1973
4	Glidden (0)	NA	October 8, 1979 November 1, 2008
5	LCRA Cuero (1)	138	June 1, 1973 November 1, 2008 April 28, 2010
6	Campwood (1)	69	December 28, 1990 March 16, 2007
7	LCRA Nixon (0)	NA	April 11,1994 November 1, 2008
8	Leakey (1)	12.5	December 10, 1998
9	Coleto Creek (1)	345	January 11, 2005
10	Citgo North Oak Park (3)	138	January 11, 2005 April 28, 2010
11	Lon C. Hill (2)	138	January 11, 2005 April 28, 2010
12	Highway 9 (1)	138	January 11, 2005 March 16, 2007 April 28, 2010
13	Nueces Bay (0)	NA	January 11, 2005 April 28, 2010
14	Cantwell (2)	138	March 16, 2007 April 28, 2010
15	Weil Tract (2)	138	March 16, 2007 April 28, 2010
16	Rincon (1)	138	March 16, 2007

- These dates do not reflect the date that the Point of Interconnection was established.

EXHIBIT A Continued
Amendment No. 3

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	LAST DATE(S) OF AMENDMENT IN THIS OR PREVIOUS INTERCONNECTION AGREEMENT*
17	Rockport (3)	138	March 16, 2007
18	Fulton (2)	138	March 16, 2007
19	Roma (1)	138	March 16, 2007
20	Garceno (2)	138	March 16, 2007
21	Rio Grande City (2)	138	March 16, 2007
22	La Grulla (2)	138	March 16, 2007
23	Goodwin (2)	138	March 16, 2007
24	Frontera Switching Station 138 (1)	138	March 16, 2007
25	Asherton (1)	138	March 16, 2007
26	Conoco-Chittam Ranch Tap (2)	138	March 16, 2007
27	Pueblo (2)	138	March 16, 2007
28	Escondido Switching Station(1)	138	March 16, 2007
29	Uvalde (1)	138	March 16, 2007
30	Asphalt Mines (2)	138	March 16, 2007
31	Bracketville (2)	138	March 16, 2007
32	Hamilton Road (0)	138	March 16, 2007 April 28, 2010
33	Pharr (1)	138	November 1, 2008
34	North Alamo (2)	138	November 1, 2008
35	Weslaco Switching Station (2)	138	November 1, 2008
36	North Weslaco (2)	138	November 1, 2008
37	North Mercedes (2)	138	November 1, 2008
38	Harlingen Switching Station (1)	138	November 1, 2008
39	Naval Base (2)	69	November 1, 2008
40	Airline (2)	69	November 1, 2008
41	North Padre Tap (1)	69	November 1, 2008
42	Mustang Island (2)	69	November 1, 2008
43	Port Aransas (0)	NA	November 1, 2008 April 28, 2010

* These dates do not reflect the date that the Point of Interconnection was established.

EXHIBIT A Continued
Amendment No. 3

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	DATE INCLUDED OR EXCLUDED IN THIS OR PREVIOUS INTERCONNECTION AGREEMENT*
44	Laguna (0)	NA	November 1, 2008 April 28, 2010
45	Kenedy Switching Station (2)	69	November 1, 2008 April 28, 2010
46	Runge (1)	69	November 1, 2008 April 28, 2010
47	Nordheim 69 (1)	69	November 1, 2008 April 28, 2010
48	Yorktown 69 (2)	69	November 1, 2008 April 28, 2010
49	Hochheim (1)	69	November 1, 2008 April 28, 2010
50	Malone (1)	69	November 1, 2008 April 28, 2010
51	Darst Creek(2)	69	November 1, 2008 April 28, 2010
52	AEP Nixon (2)	69	November 1, 2008 April 28, 2010
53	Magnolia (1)	69	November 1, 2008 April 28, 2010
54	Columbus (2)	69	November 1, 2008 April 28, 2010
55	Stafford Hill (1)	69	November 1, 2008 April 28, 2010
56	Riverside Pump (1)	69	November 1, 2008 April 28, 2010
57	Prairie Pump (1)	69	November 1, 2008 April 28, 2010
58	Parker (1)	69	November 1, 2008 April 28, 2010
59	Eagle Lake (2)	69	November 1, 2008 April 28, 2010

* These dates do not reflect the date that the Point of Interconnection was established.

EXHIBIT A Continued
Amendment No. 3

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	DATE INCLUDED OR EXCLUDED IN THIS OR PREVIOUS INTERCONNECTION AGREEMENT*
60	Lakeside Pump (1)	69	November 1, 2008 April 28, 2010
61	Matthews (1)	69	November 1, 2008 April 28, 2010
62	Garwood Lone Star (1)	69	November 1, 2008 April 28, 2010
63	Garwood City (1)	69	November 1, 2008 April 28, 2010
64	El Campo (2)	69	November 1, 2008 April 28, 2010
65	B&B Gravel (1)	69	November 1, 2008 April 28, 2010
66	Garwood Pump (1)	69	November 1, 2008 April 28, 2010
67	Ideal Cement (1)	69	November 1, 2008 April 28, 2010
68	Garwood Relief Pump (1)	69	November 1, 2008 April 28, 2010

* These dates do not reflect the date that the Point of Interconnection was established.

FACILITY SCHEDULE NO. 1B

1. Name: **Luling City**

2. Location: The Luling City Substation is located in Luling, Texas in Caldwell County. (From the junction of Highway 183 and FM 2984 travel north on 2984 0.5 miles.) There are four Points of Interconnection at the Luling City station. Points of Interconnection for each of the 12 kV breakers are located at the connectors on the jumpers that connect to the 12 kV bus side disconnects and where the jumpers connect to the 12 kV transfer bus disconnects.

3. Transformation Services Provided by LCRA: Yes

4. Delivery Voltage: 12.5 kV

5. Normal Operation of Interconnection: Closed

6. One-Line Diagram Attached: Yes

7. Facility Ownership Responsibilities of the Parties:

   AEP owns the following facilities:
   - the following facilities inside the Luling City Substation:
     - two 12kV breakers LC10 & LC-20, and the associated jumpers, line side disconnect switches, associated relaying, and distribution feeder exits
     - RTU for SCADA control and communication of 12 kV LC10 & LC20
     - RTU communication circuit from the station to the AEP control center
   - any under-built distribution voltage circuits attached to the 69 kV transmission lines listed below that terminate into the station

   LCRA owns the following facilities:
   - the Luling City Substation, including all the facilities within it, except for the facilities owned by AEP
   - the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware including:
     - Luling City to Malone 69 kV transmission line
     - Luling City to Hochheim 69 kV transmission line

8. Facility Operation and Maintenance Responsibilities of the Parties:

   - LCRA controls and operates all LCRA owned facilities, including the following facilities:
     - 69 kV breaker 20420, associated switches 20421, 20419, 20423, and 69 kV transmission line to Malone
     - 69 kV breaker 20430, associated switches 20431, 20429, 20433, and 69 kV transmission line to Hochheim

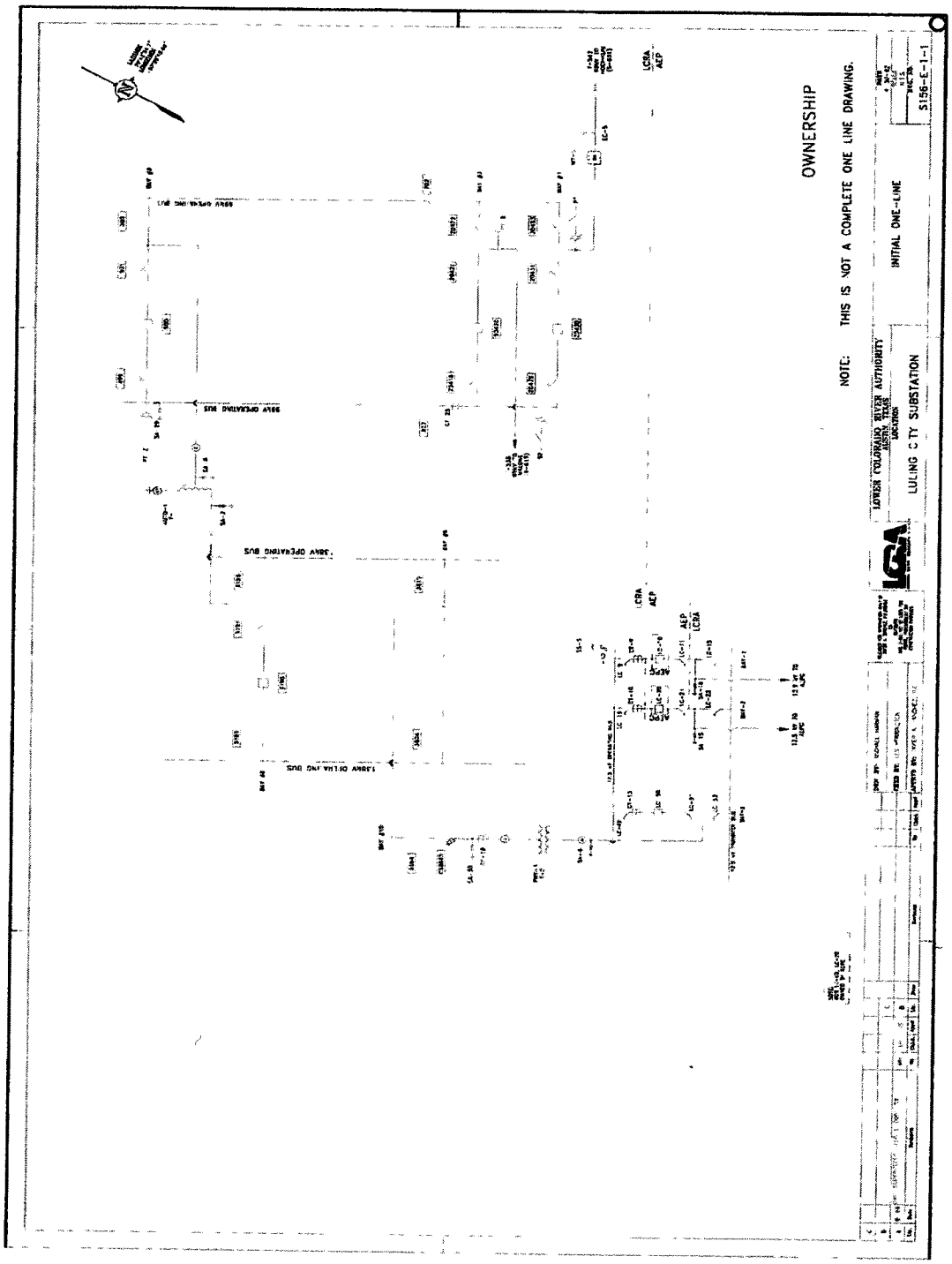
- AEP controls and operates the 12.5 kV facilities for circuits LC-10 & LC-20.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

9. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

10. Other Terms and Conditions:

- LCRA will provide AEP with MV-90 master file information and dial-up access to net meter in 69 kV bus for net metering the 69 kV transmission lines to Hochheim and Malone.


OWNERSHIP
NOTE: THIS IS NOT A COMPLETE ONE LINE DRAWING.
INITIAL ONE-LINE
LULING C TY SUBSTATION
LOWER COLORADO RIVER AUTHORITY
LCRA
AEP
138kV OPERATING BUS
69kV OPERATING BUS

FACILITY SCHEDULE NO. 5

1. Name: **LCRA Cuero**

2. Location: The LCRA Cuero Substation is located in Cuero, Texas in De Witt County. The Point of Interconnection is located where the jumper conductors from the station equipment physically contact the connectors on the conductors of the 138 kV transmission line to the Victoria Substation.

3. Delivery Voltage: 138 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

LCRA owns the following facilities:

- the LCRA Cuero Substation, including all the facilities within it
- the jumpers from the 138 kV vertical bus to the 138 kV transmission line to Victoria
- the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware:
  - LCRA Cuero to Yoakum 138 kV transmission line
  - LCRA Cuero to Gonzales 138 kV transmission line
  - Cuero (Hydro) to Hochheim 69 kV transmission line
  - Cuero (Hydro) to Yorktown 69 kV transmission line
  - LCRA Cuero to Cuero (Hydro) 69 kV transmission line

AEP owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 138 kV transmission line from the Victoria Substation to the jumpers from the station equipment
- the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware:
  - LCRA Cuero to Victoria 138 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

- LCRA controls and operates all LCRA owned facilities, including the following facilities:
  - 138 kV breaker 20360, associated switches 20361, and 23059
  - 138 kV circuit switcher 20375 and associated 138-69 kV autotransformer
  - 69 kV breaker 20380, associated switches 20381, 20379, and associated

69 kV transmission line to Cuero

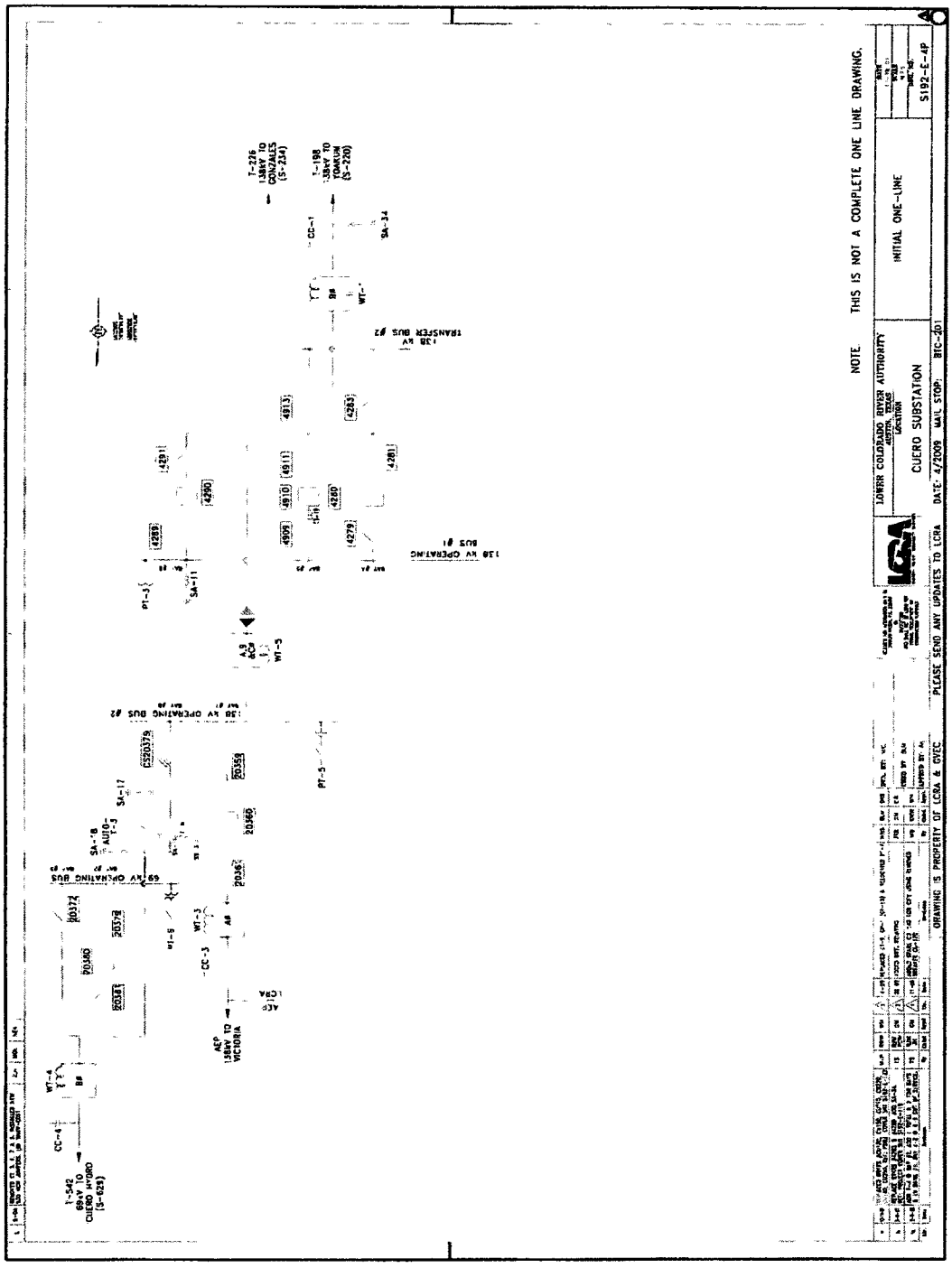
- AEP controls and operates its LCRA Cuero to Victoria 138 kV transmission line.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- LCRA will provide AEP with MV-90 master file information and dial-up access to net meter the 138 kV line to Victoria.


NOTE: THIS IS NOT A COMPLETE ONE LINE DRAWING.
LOWER COLORADO RIVER AUTHORITY
CUERO SUBSTATION
INITIAL ONE-LINE
DATE: 4/2009
S192-E-4P

FACILITY SCHEDULE NO. 10

1. Name: **Citgo North Oak Park**

2. Facility Location: The Citgo North Oak Park Station is located in Corpus Christi, in Nueces County, Texas. There are three Points of Interconnection at the Citgo North Oak Park Station. One is at the termination of the 138 kV transmission line from the Nueces Bay Station, one is at the termination of the 138 kV transmission line from the Highway 9 Station, and one is at the termination of the 138 kV transmission line from the Lon C. Hill Station. All three Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 138kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 kV All metering shall meet the applicable provisions of the ERCOT Operating Guides, Protocols, and Metering Guidelines.

5. Normal Operation of Interconnection: Closed

6. One-Line Diagram Attached: Yes

7. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- AEP's portion of the Citgo North Oak Park Station, including all the facilities within it
- the Remote Terminal Unit (RTU)
- transmission line relay protection panels and all associated equipment for the LCRA transmission lines
- a four-wire RTU communications circuit from the station to the AEP control center
- jumper conductors from the station facilities to the Points of Interconnection
- deadend structures that terminate all transmission lines into the substation
- transmission line easements, under-built distribution voltage circuits, and the following transmission circuits comprised of conductors, insulators, and connecting hardware;
    - Industrial to Highway 9 69 kV transmission circuit attached to LCRA's Citgo North Oak Park to Highway 9 138 kV transmission line structures
    - Coastal States East to Avery Point 69 kV transmission circuit attached to LCRA's Citgo North Oak Park to Lon C. Hill 138 kV transmission line structures
    - Coastal States West to Avery Point 69 kV transmission circuit attached to LCRA's Citgo North Oak Park to Lon C. Hill 138 kV transmission line

structures
    - Coastal States West to Highway 9 69 kV transmission circuit attached to LCRA's Citgo North Oak Park to Lon C. Hill 138 kV transmission line structures
    - Highway 9 to Weil 69 kV transmission circuit attached to LCRA's Citgo North Oak Park to Lon C. Hill 138 kV transmission line structures
    - Kingsville to Lon C. Hill 138 kV transmission circuit attached to LCRA's Citgo North Oak Park to Lon C. Hill 138 kV transmission line structures
- OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the following LCRA transmission lines:
    - Citgo North Oak Park to Nueces Bay 138 kV cable and transmission line
    - Citgo North Oak Park to Highway 9 138 kV transmission line
    - Citgo North Oak Park to Lon C. Hill 138 kV transmission line

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 138 kV transmission lines from the Nueces Bay, Highway 9, and Lon C. Hill stations
- the following transmission lines comprised of underground/underwater cable, conductors, insulators, connecting hardware, and structures;
    - Citgo North Oak Park to Nueces Bay 138 kV cable and transmission line
    - Citgo North Oak Park to Highway 9 138 kV transmission line
    - Citgo North Oak Park to Lon C. Hill 138 kV transmission line
- a four-wire RTU communications circuit from the station to the LCRA control center

8. Facility Operation Responsibilities of the Parties:

AEP controls and operates the Citgo North Oak Park Station including all facilities within it.

AEP controls and operates all of the transmission lines that terminate into the station.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the liabilities related to the facilities it owns.

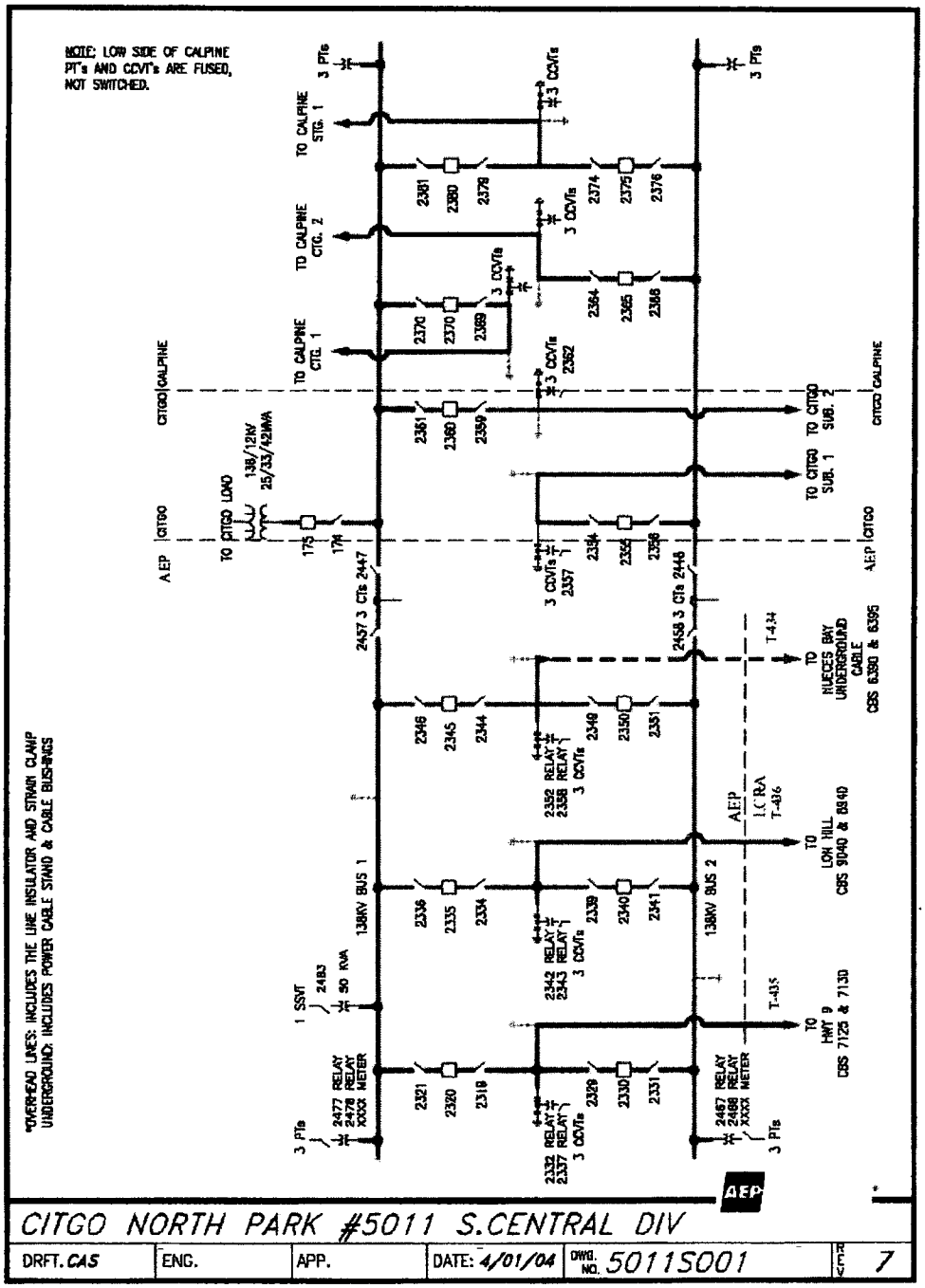
Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Points of Interconnection in accordance with this Facility Schedule.

10. Other Terms and Conditions:

Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party, will be subject to review and approval by the other Party.

AEP's SCADA will poll AEP's dual-ported RTU installed at the station and LCRA will have access to the RTU data via a four-wire RTU communications circuit until such time that a direct Inter-control Center Communications Protocol (ICCP) communication circuit is established between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.

AEP will provide physical space at the station for LCRA to terminate a four-wire RTU communications circuit until such time that LCRA establishes its ICCP communications circuit between control centers.


NOTE: LOW SIDE OF CALPINE PT's AND CCVT's ARE FUSED, NOT SWITCHED.
*OVERHEAD LINES: INCLUDES THE LINE INSULATOR AND STRAIN CLAMP
UNDERGROUND: INCLUDES POWER CABLE STAND & CABLE BUSHINGS
TO CALPINE STG. 1
TO CALPINE CTG. 2
TO CALPINE CTG. 1
CITGO CALPINE
AEP CITGO
TO CITGO LOAD
138/12KV 25/33/42MVA
TO CITGO SUB. 2
TO CITGO SUB. 1
138KV BUS 1
138KV BUS 2
1 SSVT
50 KVA
TO HUECES BAY UNDERGROUND CABLE CBS 6380 & 6395
TO LON HILL CBS 9040 & 8940
TO HWY 9 CBS 7125 & 7130
CITGO NORTH PARK #5011 S.CENTRAL DIV
DRFT. CAS
ENG.
APP.
DATE: 4/01/04
DWG. NO. 5011S001
7

FACILITY SCHEDULE NO. 11

1. Name: **Lon C. Hill**

2. Facility Location: The Lon C. Hill Generating Station is located in Corpus Christi, in Nueces County, Texas. There are two Points of Interconnection at the Lon. C. Hill Station. One is at the termination of the 138 kV transmission line from the Citgo North Oak Park Station and the other is at the termination of the 138 kV transmission line from the Nueces Bay Station. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 138kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 kV All metering shall meet the applicable provisions of the ERCOT Operating Guides, Protocols, and Metering Guidelines.

5. Normal Operation of Interconnection: Closed

6. One-Line Diagram Attached: Yes

7. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- Lon C. Hill Station and all the facilities within it
- transmission line relay protection panels and all associated equipment for the LCRA transmission lines
- the Remote Terminal Unit (RTU)
- a four-wire RTU communications circuit from the station to the AEP control center
- jumper conductors from the station facilities to the Points of Interconnection
- deadend structures that terminate all transmission lines into the station
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures;
    - Lon C. Hill to Coleto Creek 345 kV transmission line
    - Lon C. Hill to Whitepoint Switching Station 345 kV transmission line
    - Lon C. Hill to Rio Hondo 345 kV transmission line
    - Lon C. Hill to N. Edinburg 345 kV transmission line
    - Lon C. Hill to Pawnee 345 kV transmission line
    - Lon C. Hill to Falfurrias 138 kV transmission line
    - Lon C. Hill to Orange Grove 138 kV transmission line
    - Lon C. Hill to Victoria 138 kV transmission line
    - Lon C. Hill to Whitepoint Switching Station 138 kV transmission line
    - Lon C. Hill to Citgo West 138 kV transmission line

- Lon C. Hill to Robstown 69 kV transmission line
- Lon C. Hill to Calallen 69 kV transmission line
- Lon C. Hill to Beeville 69 kV transmission line
- Lon C. Hill to Sinton 69 kV transmission line

- transmission line easements, under-built distribution voltage circuits, and the following transmission circuits comprised of conductors, insulators and connecting hardware:
  - Coastal States East to Avery Point 69 kV transmission circuit attached to LCRA's Lon C. Hill to Citgo North Oak Park 138 kV transmission line structures
  - Coastal States West to Avery Point 69 kV transmission circuit attached to LCRA's Lon C. Hill to Citgo North Oak Park 138 kV transmission line structures
  - Coastal States West to Highway 9 69 kV transmission circuit attached to LCRA's Lon C. Hill to Citgo North Oak Park 138 kV transmission line structures
  - Highway 9 to Weil 138 kV transmission circuit attached to LCRA's Lon C. Hill to Citgo North Oak Park 138 kV transmission line structures
  - Kingsville to Lon C. Hill 138 kV transmission circuit attached to LCRA's Lon C. Hill to Citgo North Oak Park 138 kV transmission line structures
  - Up River to Nueces Bay 138 kV transmission circuit attached to LCRA's Lon C. Hill to Nueces Bay 138 kV transmission line structures
  - Westside to Lon C. Hill 138 kV transmission circuit attached to LCRA's Lon C. Hill to Nueces Bay 138 kV transmission line structures
- OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the following LCRA transmission lines:
  - Lon C. Hill to Citgo North Oak Park 138 kV transmission line
  - Lon C. Hill to Nueces Bay 138 kV transmission line

LCRA owns the following facilities:

- insulators and hardware connections on the deadend structures that terminate the 138 kV lines from the Citgo North Oak Park and Nueces Bay stations
- the following transmission lines comprised of conductors, insulators, connecting hardware, and structures;
  - Lon C. Hill to Citgo North Oak Park 138 kV transmission line
  - Lon C. Hill to Nueces Bay 138 kV transmission line
- a four-wire RTU communications circuit from the station to the LCRA control center

8. Facility Operation Responsibilities of the Parties:

AEP controls and operates the Lon C. Hill Station, including all facilities within it.

AEP controls and operates the all of the transmission lines that terminate into the station.

AEP coordinates, directs, and performs all control center and field operations activities on the transmission lines owned by LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the liabilities related to the facilities it owns.

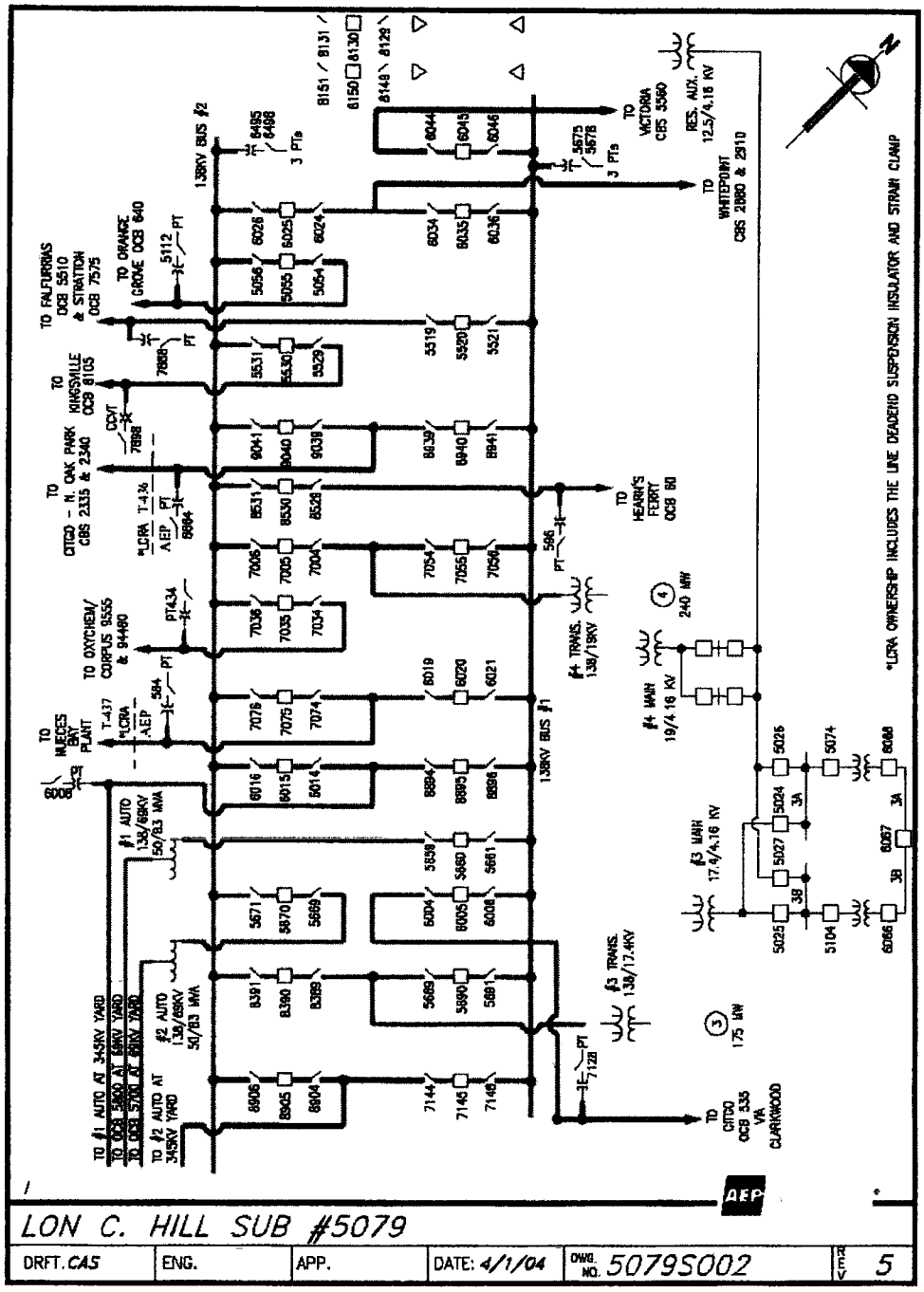
Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Points of Interconnection in accordance with this Facility Schedule.

10. Other Terms and Conditions:

Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party, will be subject to review and approval by the other Party.

AEP's SCADA will poll the AEP dual-ported RTU installed at the station and LCRA will have access to the RTU data via a four-wire RTU communications circuit until such time that a direct Inter-control Center Communications Protocol (ICCP) communication circuit is established between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.

AEP will provide physical space at the station for LCRA to terminate a four-wire RTU communications circuit until such time that LCRA establishes its ICCP communication circuit between control centers.


LON C. HILL SUB #5079
DRFT. CAS
ENG.
APP.
DATE: 4/1/04
DWG. NO. 5079S002
REV. 5
AEP
138KV BUS #2
138KV BUS #1
TO VICTORIA CBS 3560
TO WHITEPOINT CBS 2880 & 2910
TO HEARN'S FERRY OCB 80
TO ORANGE GROVE OCB 840
TO FALFURRIAS OCB 5510 & STRATTON OCB 7575
TO KINGSVILLE OCB 8105
TO OTCO - N. OAK PARK CBS 2335 & 2340
TO OXYCHEM/ CORPUS 9555 & 94480
TO INDUCES BAY PLANT
TO #1 AUTO AT 345KV YARD
TO #2 AUTO AT 345KV YARD
#1 AUTO 138/69KV 50/83 MVA
#2 AUTO 138/69KV 50/83 MVA
#3 TRANS. 138/13.4KV
#4 TRANS. 138/19KV
#3 MAIN 17.4/4.16 KV
#4 MAIN 19/4.16 KV
240 MW
175 MW
TO OTCO OCB 835 VIA CLARKWOOD
*LCRA OWNERSHIP INCLUDES THE LINE DEADEND SUSPENSION INSULATOR AND STRAIN CLAMP

FACILITY SCHEDULE NO. 12

1. Name: **Highway 9**

2. Facility Location: The Highway 9 Station is located in Corpus Christi, in Nueces County, Texas. The Point of Interconnection is at the termination of the 138 kV transmission line from the Citgo North Oak Park Station where the jumper conductors from the substation equipment physically contact the connectors on the 138kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 kV

5. Normal Operation of Interconnection: Closed

6. One-Line Diagram Attached: Yes

7. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- the Highway 9 Station and all the substation facilities within it
- transmission line relay protection panel and all associated equipment for the LCRA transmission line
- the Remote Terminal Unit (RTU)
- a four-wire RTU communications circuit from the station to the AEP control center
- jumper conductors from the station facilities to the Point of Interconnection
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures;
  - Highway 9 to Nueces Bay 138 kV transmission line
  - Highway 9 to Arcadia 138 kV transmission line
  - Highway 9 to Javelina 138 kV transmission line
  - Highway 9 to Morris St 138 kV transmission line
  - all 69 kV transmission lines that terminate at the Highway 9 Station
- substation deadend structures that terminate all transmission lines into the station
- transmission line easements, under-built distribution voltage circuits, and the Industrial to Highway 9 69kV transmission circuit comprised of conductors, insulators and connecting hardware attached to LCRA's Highway 9 to Citgo North Oak Park 138 kV transmission line structures.
- OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the following LCRA transmission lines:
  - Highway 9 to Citgo North Oak Park Station 138 kV transmission line

LCRA owns the following facilities:

- insulators and hardware connections on the deadend structure that terminates the 138 kV line from the Citgo North Oak Park Station.
- the following transmission lines comprised of licenses, conductors, insulators, connecting hardware, and structures;
  - Highway 9 to Citgo North Oak Park Station 138 kV transmission line
- a four-wire RTU communications circuit from the station to the LCRA control center

8. Facility Operation Responsibilities of the Parties:

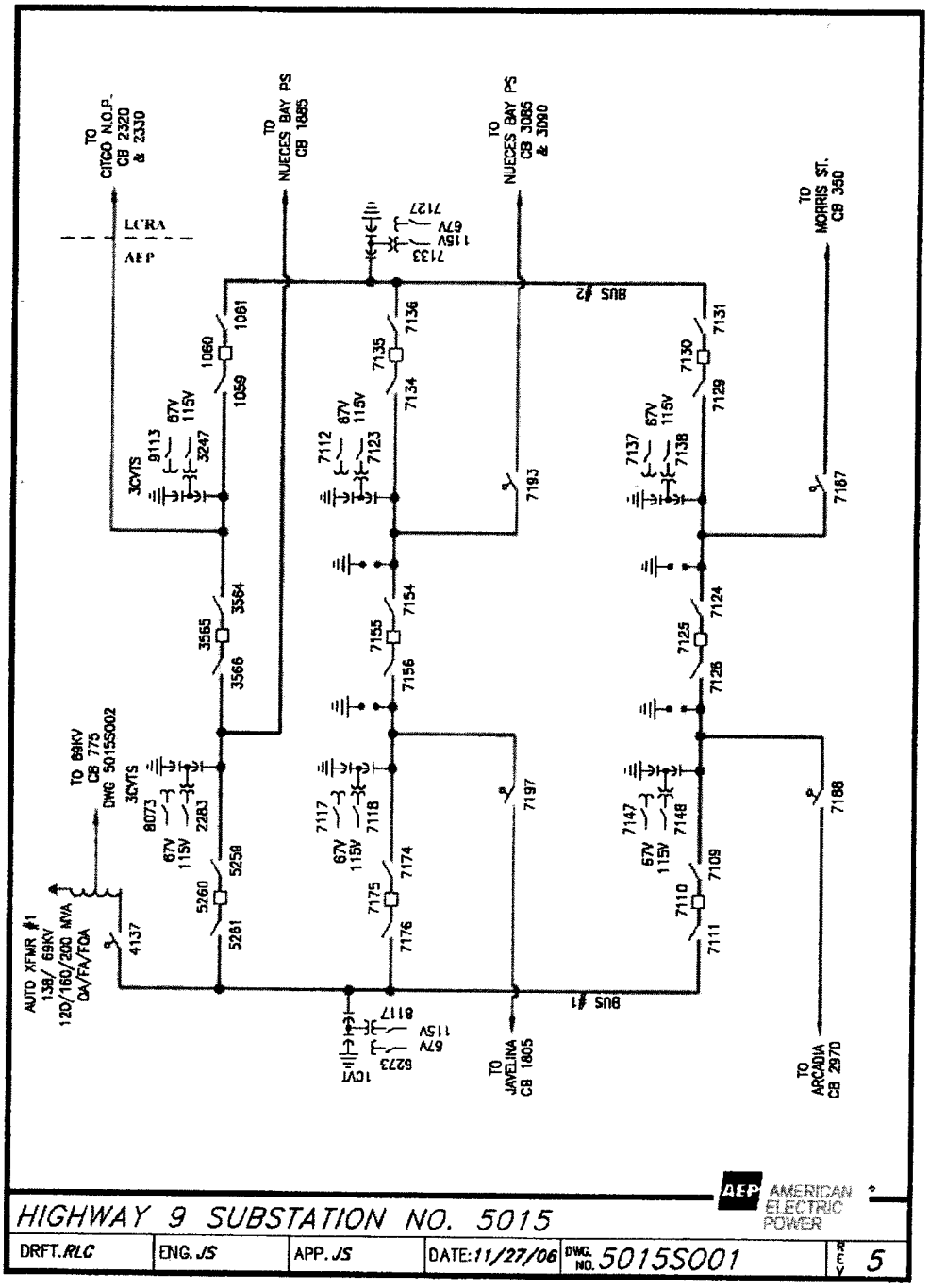
- AEP controls and operates the Highway 9 Substation, including all facilities within it.
- AEP controls and operates all of the transmission lines that terminate into the station.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party, will be subject to review and approval by the other Party.

9. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

10. Other Terms and Conditions:

- Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party, will be subject to review and approval by the other Party.
- AEP will poll the AEP RTU installed at the station and LCRA will have access to the RTU data via a four-wire RTU communications circuit until such time that a direct Inter-control Center Communications Protocol (ICCP) communication circuit is established between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.
- AEP will provide physical space at the station for LCRA to terminate a four-wire RTU communications circuit until such time that LCRA establishes its ICCP communication circuit between control centers.


TO CITGO N.O.P. CB 2320 & 2330
TO NUECES BAY PS CB 1685
TO NUECES BAY PS CB 3085 & 3090
TO MORRIS ST. CB 360
LCRA
AEP
BUS #2
BUS #1
AUTO XFMR #1 138/ 69KV 120/160/200 MVA OA/FA/FOA
TO 69KV CB 775 DWG 5015S002
TO JAVELINA CB 1805
TO ARCADIA CB 2970
HIGHWAY 9 SUBSTATION NO. 5015
AMERICAN ELECTRIC POWER
DRFT. RLC
ENG. JS
APP. JS
DATE: 11/27/06
DWG. NO. 5015S001
REV. 5

FACILITY SCHEDULE NO. 13
Terminated

1. Name: **Nueces Bay**

FACILITY SCHEDULE NO. 14

1. Name: **Cantwell**

2. Facility Location: The Cantwell Substation is owned by Valero Refining – Texas, L.P. and is located on Cantwell Lane near Up River Road in Corpus Christi, Texas. There are two (2) Points of Interconnection at the Cantwell Substation. Each of these Points of Interconnection are located at the point where the jumper conductors from the line side disconnect switches inside the substation physically contact the connectors on the Citgo North Oak Park to Cantwell and Weil Tract to Cantwell 138 kV transmission lines.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 kV

5. Normal Operation of Interconnection: Closed

6. One-Line Diagram Attached: Yes

7. Facility Ownership Responsibilities of the Parties:

Valero Refining-Texas LP owns the following facilities:

- the Cantwell Substation, including the 138 kV ring bus comprised of circuit breakers and switches, and all facilities within it except for the metering and telemetry equipment owned by AEP
- conductors and connecting hardware from the 138 kV metering instrument transformers to the 138 kV line side disconnect switches and 138 kV bus inside the Cantwell Substation

AEP owns the following facilities:

- 2 –revenue quality meter instrument transformers (one at each Point of Interconnection) located inside the Cantwell Substation
- 1 – Remote Terminal Unit (RTU) inside the substation
- a four-wire RTU communications circuit from the substation to the AEP control center
- 1 - dynamics and fault recorder inside the substation
- fiber optic multiplexer, cable, conduit, splice box, and termination panel inside the substation for the fiber optics from the Citgo North Oak Park Substation
- transmission line easements, under-built distribution voltage circuits, and the following transmission circuits comprised of conductors, insulators, and connecting hardware:
  - Coastal States East to Avery Point 69 kV transmission circuit attached to LCRA's Citgo North Oak Park to Cantwell 138 kV transmission line

structures
    - Nueces Bay to Highway 9 69 kV transmission circuit attached to LCRA's Citgo North Oak Park to Cantwell 138 kV transmission line structures
    - Nueces Bay to Highway 9 69 kV transmission circuit attached to LCRA's Cantwell to Weil Tract 138 kV transmission line structures
- OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the following LCRA transmission lines:
    - the Citgo North Oak Park to Cantwell 138 kV transmission line
    - the Weil Tract to Cantwell 138 kV transmission line

LCRA owns the following facilities:

- 2 - deadend structures in the Citgo North Oak Park to Weil 138 kV transmission line that turns the line in and out of the Cantwell Substation
- the following transmission lines comprised of licenses, conductors, insulators, connecting hardware, and structures;
    - the Citgo North Oak Park to Cantwell 138 kV transmission line
    - the Weil Tract to Cantwell 138 kV transmission line

8. Facility Operation and Maintenance Responsibilities of the Parties:

- AEP controls and operates the 138 kV ring bus (six 138 kV circuit breakers and related disconnect switches) inside the Cantwell substation.
- AEP also controls and operates all of the transmission lines that terminate into the substation
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party, will be subject to review and approval by the other Party.

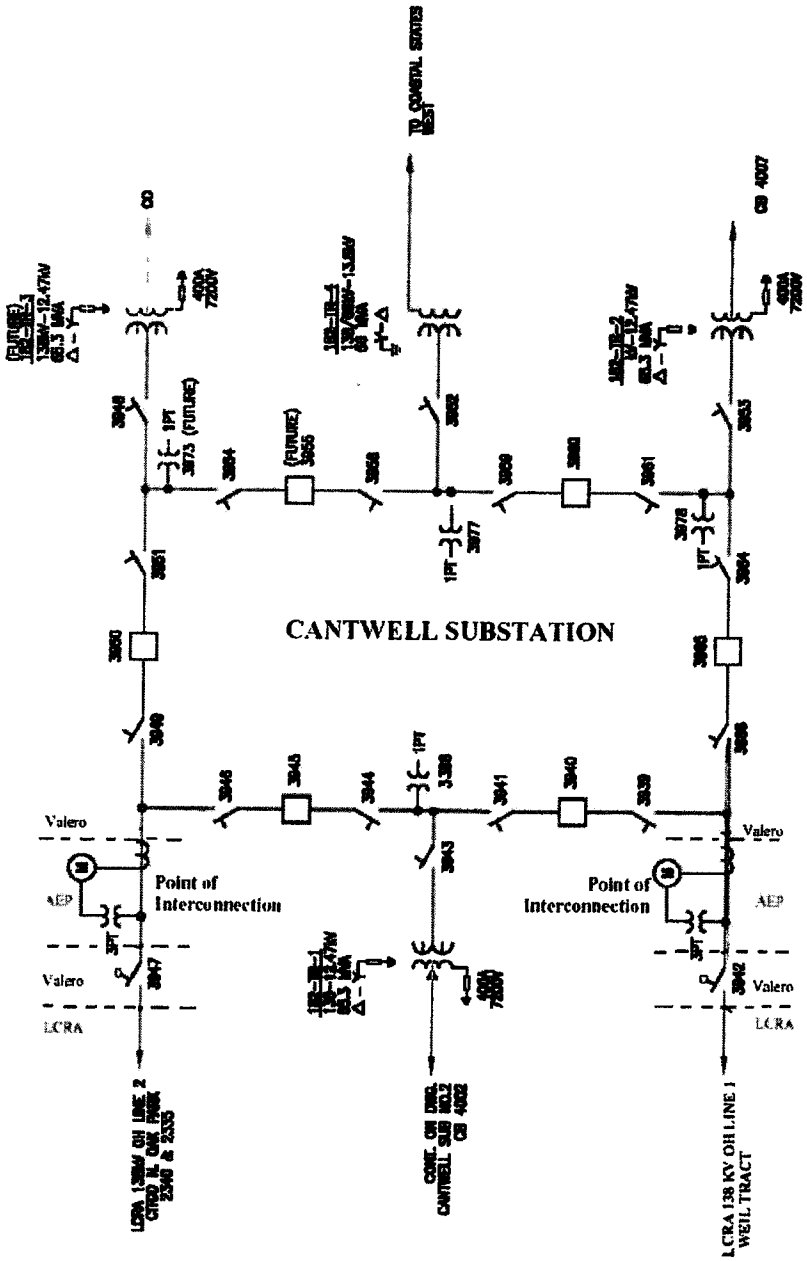
9. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

10. Other Terms and Conditions:

AEP will poll the AEP RTU installed inside the substation and LCRA will have

access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.



FACILITY SCHEDULE NO. 15

1. Name: **Weil Tract**

2. Facility Location: The Weil Tract Switching Station is located on Corn Products Road near Leopard Street in Corpus Christi, Texas. There are two (2) Points of Interconnection at Weil Tract. One is at the termination of the 138 kV transmission line from the Cantwell Substation and the other is at the termination of the 138 kV transmission line from the Lon C. Hill Substation. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 kV

5. Normal Operation of Interconnection: Closed

6. One-Line Diagram Attached: Yes

7. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- the Weil Tract Substation and all the substation facilities within it
- transmission line relay protection system for the termination of the 138 kV transmission lines from the Cantwell and Lon C. Hill substations
- the Remote Terminal Unit (RTU)
- a four-wire RTU communications circuit from the station to the AEP control center
- jumper conductors from the substation facilities to the Points of Interconnection
- substation deadend structures that terminate all transmission lines into the substation
  - Weil Tract to Westside 138 kV transmission line
- transmission line easements, under-built distribution voltage circuits, and the following transmission circuits comprised of conductors, insulators and connecting hardware:
  - Nueces Bay to Highway 9 69 kV transmission circuit attached to LCRA's Cantwell to Weil Tract 138 kV transmission line structures
  - Kingsville to Lon C. Hill 138 kV transmission circuit attached to LCRA's Weil Tract to Lon C. Hill 138 kV transmission line structures
- OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the following LCRA transmission lines:
  - the Weil Tract to Lon C. Hill 138 kV transmission line
  - the Weil Tract to Cantwell 138 kV transmission line

LCRA owns the following facilities:

- 6 – transmission line deadend structures within the Weil Tract Substation
- the following transmission lines comprised of licenses, conductors, insulators, connecting hardware, and structures;
  - the Weil Tract to Lon C. Hill 138 kV transmission line
  - the Weil Tract to Cantwell 138 kV transmission line

8. Facility Operation and Maintenance Responsibilities of the Parties:

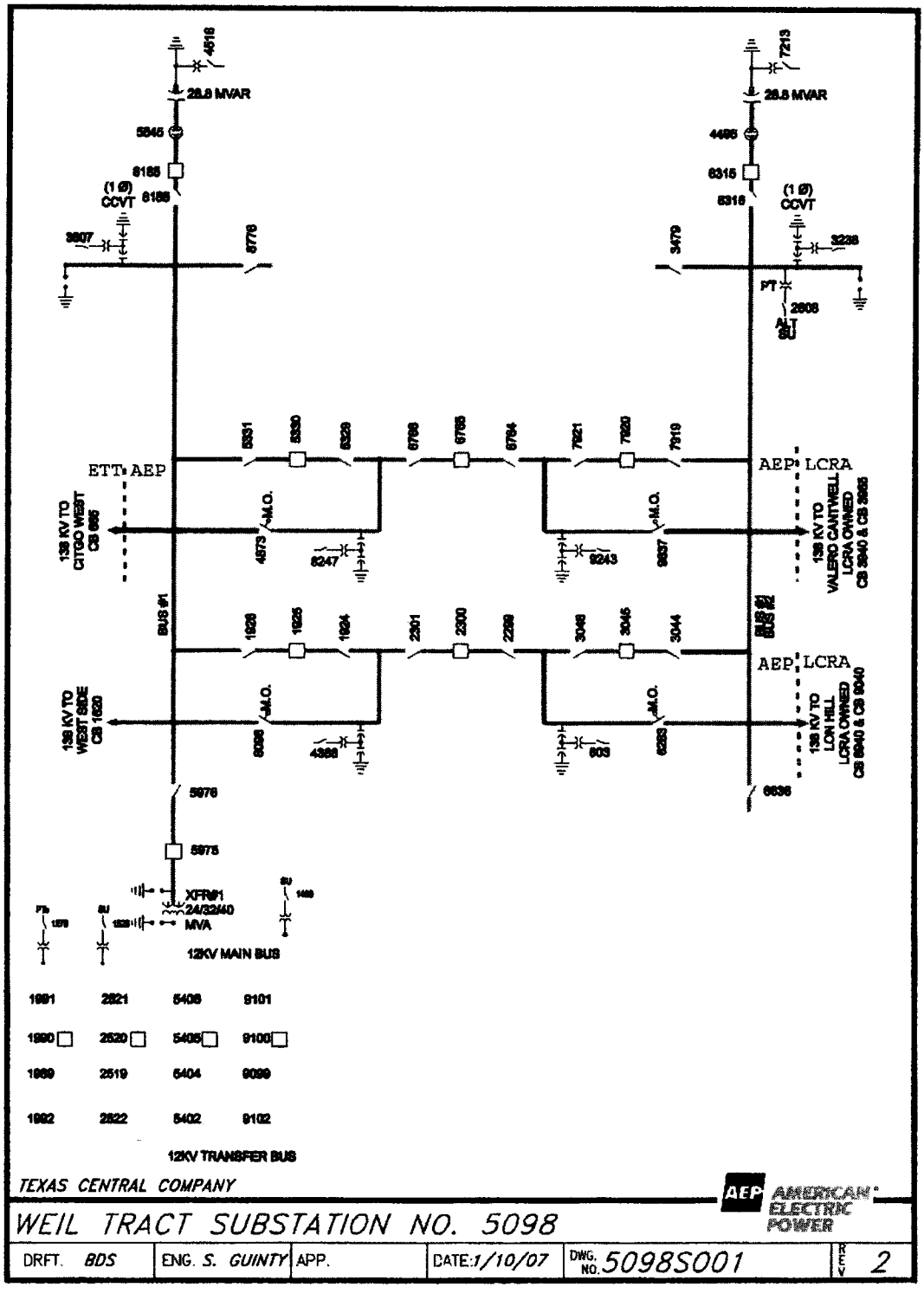
- AEP controls and operates the Weil Substation, including all facilities within it.
- AEP also controls and operates all of the transmission lines that terminate into the substation.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

9. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

10. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


4516
28.8 MVAR
5645
6185
(1 Ø) CCVT
3907
5776
7213
28.8 MVAR
4485
6315
(1 Ø) CCVT
3238
5479
PT
2808
ALT SU
5331
5330
6766
6765
6764
7921
7920
7919
ETT
AEP
AEP
LCRA
138 KV TO CITGO WEST CB 695
M.O.
4573
6247
9243
9857
138 KV TO VALERO CANTWELL LCRA OWNED CB 3940 & CB 3965
BUS #1
1926
1925
1924
2301
2300
2299
3046
3045
3044
AEP
LCRA
138 KV TO WEST SIDE CB 1620
M.O.
6098
4369
803
6583
138 KV TO LON HILL LCRA OWNED CB 6940 & CB 9040
5976
6636
5975
XFR#1
24/32/40 MVA
12KV MAIN BUS
1991
2521
5406
9101
1990
2520
5405
9100
1989
2519
5404
9099
1992
2522
5402
9102
12KV TRANSFER BUS
TEXAS CENTRAL COMPANY
AEP AMERICAN ELECTRIC POWER
WEIL TRACT SUBSTATION NO. 5098
DRFT. BDS
ENG. S. GUINTY
APP.
DATE: 1/10/07
DWG. NO. 5098S001
REV 2

FACILITY SCHEDULE NO. 32
Terminated

1. Name: **Hamilton Road**

FACILITY SCHEDULE NO. 43
Terminated

1. Name: **Port Aransas**

FACILITY SCHEDULE NO. 44
Terminated

1. Name: **Laguna**

FACILITY SCHEDULE NO. 45

1. Name: **Kenedy Switching Station**

2. Location: The Kenedy Switching Station is located at 3508 FM 719 in Kenedy, Texas, in Karnes County. There are two Points of Interconnection at the Kenedy Switching Station. One is at the termination of the 69 kV transmission line from the Runge Substation and the other is at the termination of the 69 kV transmission line from the AEP Nixon Substation. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 69 kV transmission line conductors.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 69 kV transmission lines from the Runge and AEP Nixon substations
- the following transmission lines comprised of structures easements, conductors, insulators, and connecting hardware:
  - Kenedy Switching Station to Runge 69 kV transmission line
  - Kenedy Switching Station to AEP Nixon 69 kV transmission line

AEP owns the following facilities:

- the Kenedy Switching Station including all the facilities within it
- the jumpers from the 69 kV buses to the 69 kV transmission lines to the Runge and AEP Nixon substations
- the following transmission line(s) comprised of structures, easements, conductors, insulators, connecting hardware:
  - Kenedy Switching Station to Pleasanton 138 kV transmission line
  - Kenedy Switching Station to Coleto Creek 138 kV transmission line
  - Kenedy Switching Station to Falls City (CPSB) 138 kV transmission line
  - Kenedy Switching Station to Kenedy 69 kV transmission line
- any under-built distribution voltage circuits attached to the 69 kV transmission lines that terminate into the station

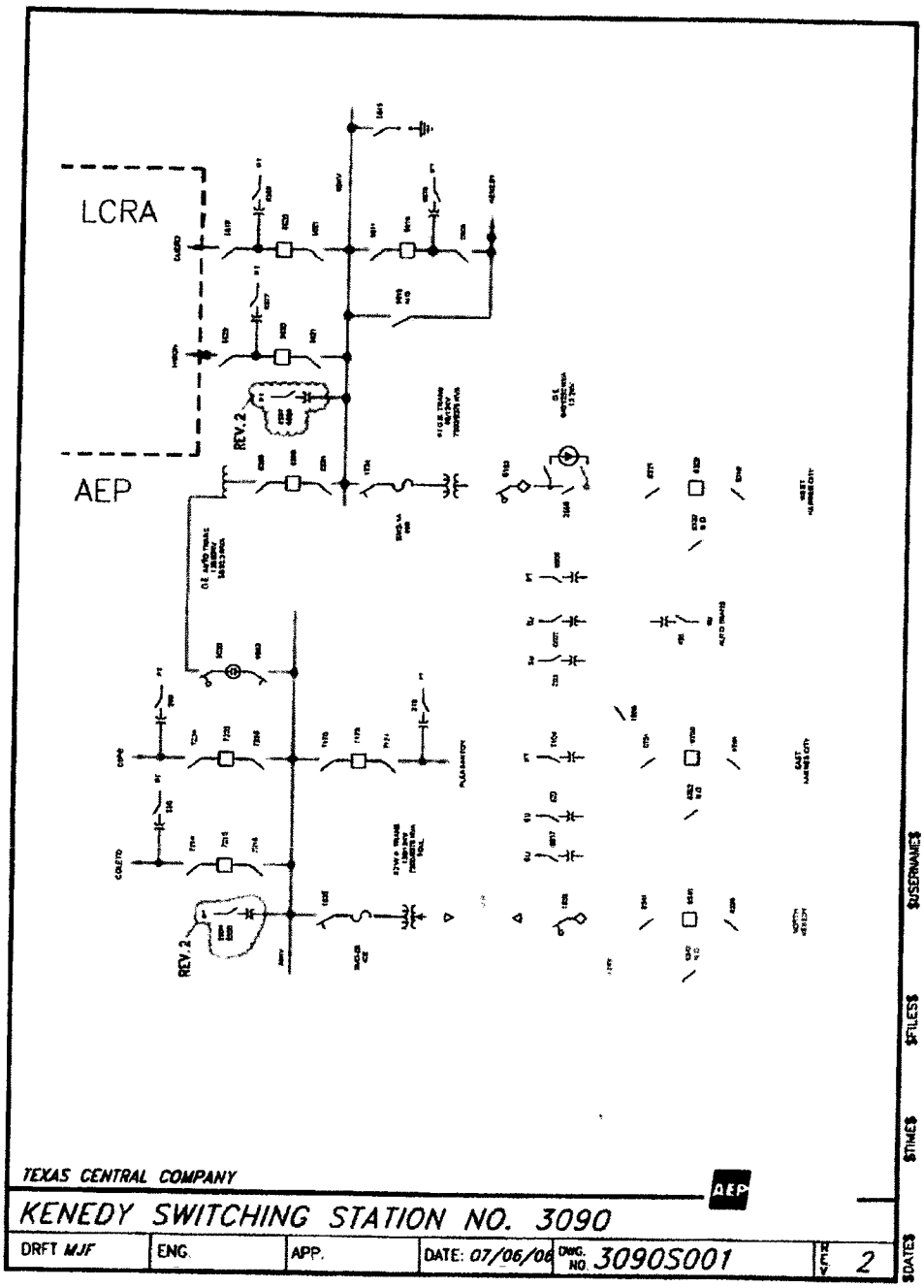
7. Facility Operation and Maintenance Responsibilities of the Parties:

- AEP controls and operates the Kenedy Switching Station, except those listed as being controlled and operated by LCRA.
- LCRA controls and operates the following facilities:
  - 69 kV transmission line to AEP Nixon, via Magnolia Tap
  - 69 kV transmission line to Runge
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions: None


LCRA
AEP
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TEXAS CENTRAL COMPANY
AEP
KENEDY SWITCHING STATION NO. 3090
DRFT MJF
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FACILITY SCHEDULE NO. 46

1. Name: **Runge**

2. Location: The Runge Substation is located off of Highway 81, 1.2 miles south of Highway 72 in Runge, Texas, in Karnes County. The Point of Interconnection at the Runge station is located at the top connectors on the jumpers that connect the 69 kV high bus to the 69 kV low bus.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

LCRA owns the following facilities:

- transmission line dead-end insulator strings and termination hardware
- the following facilities inside the Runge Substation:
  - 69 kV transmission line switches 20629 and 20639
  - 69 kV high-bus, including conductors, insulators and termination hardware
  - jumpers from switches 20629 and 20639 to the lines and to the 69 kV high-bus
- the following transmission lines comprised of structures easements, conductors, insulators, and connecting hardware:
  - Runge to Kenedy Switching Station 69 kV transmission line
  - Runge to Nordheim 69 kV transmission line

AEP owns the following facilities:

- the Runge Substation including all the facilities within it, except for those facilities owned by LCRA
- the 69 kV low bus and jumpers to high bus inside the Runge Substation
- any under-built distribution voltage circuits attached to the 69 kV transmission lines that terminate into the station

7. Facility Operation and Maintenance Responsibilities of the Parties:

- LCRA controls and operates the following facilities:
  - 69 kV switch 20629 and associated 69 kV transmission line to Kenedy Switching Station
  - 69 kV switch 20639 and associated 69 kV transmission line to Nordheim
- AEP controls and operates all other equipment in the station including the following:

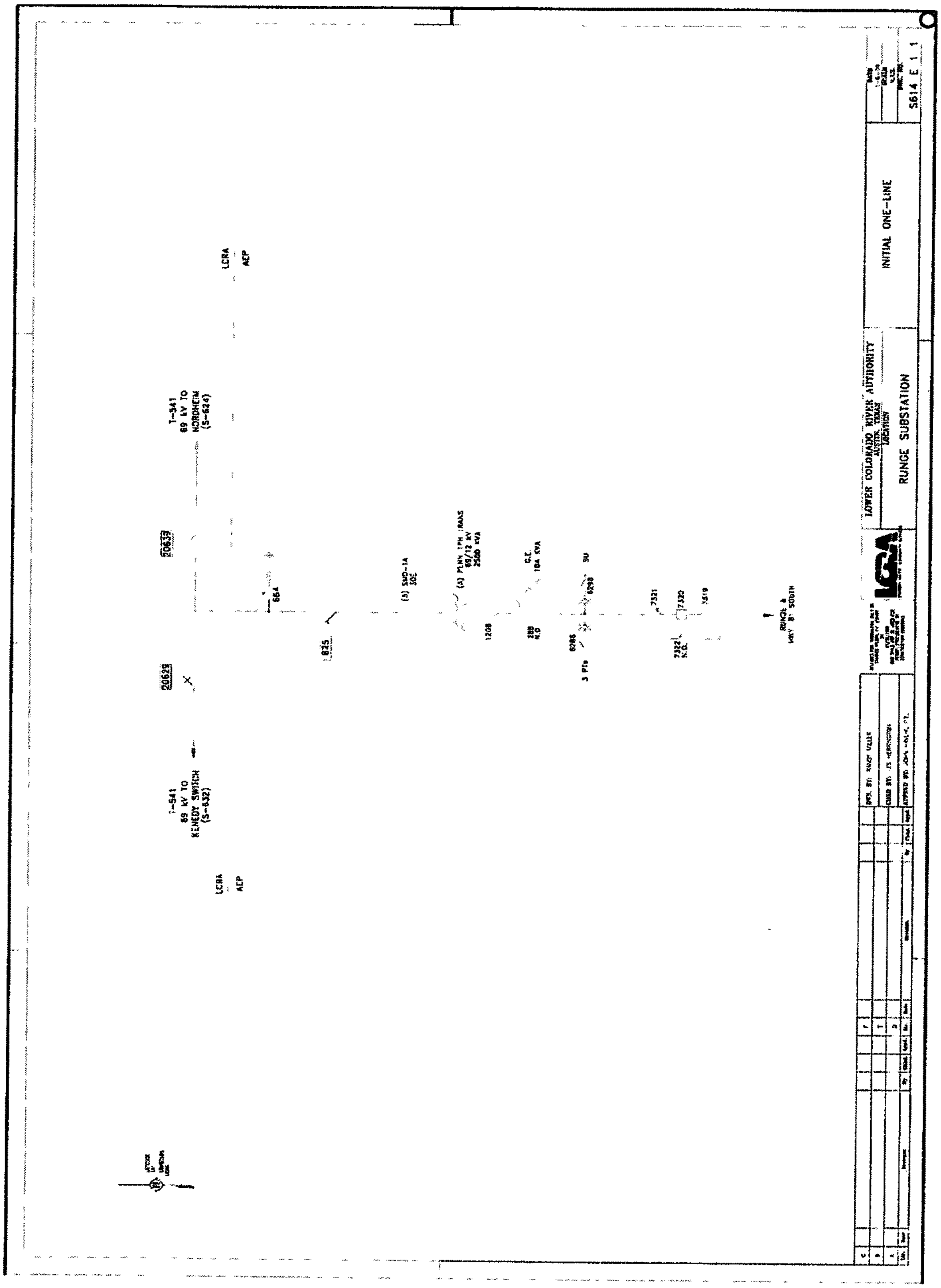
- 69 kV switch 664 and 825
- all distribution equipment in the station

- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions: None



Attachments – Page 40
Interconnection Agreement Amendment

FACILITY SCHEDULE NO. 47

1. Name: **Nordheim 69**

2. Location: The Nordheim Substation is located off of FM 239 2 miles south of Highway 72 in Nordheim, Texas in DeWitt County. There is one Point of Interconnection at the Nordheim Substation. The Points of Interconnection are located at the top connectors on the jumpers that connect the 69 kV high bus to the 69 kV low bus.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

LCRA owns the following facilities:

- transmission lines, dead-end insulator strings and termination hardware
- the following facilities inside the Nordheim Substation:
  - 69 kV transmission line switches 20591 and 20599
  - high-bus 69 kV sectionalizing switch 20589
  - 69 kV high-buses, including conductors, insulators and termination hardware
  - jumpers from switches 20591 and 20599 to the lines and to the high-buses
  - jumpers from sectionalizing switch 20589 to the high-buses
- the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
  - Nordheim to Runge 69 kV transmission line
  - Nordheim to Yorktown 69 kV transmission line

AEP owns the following facilities:

- the Nordheim Substation including all the facilities within it, except for those facilities owned by LCRA
- the 69 kV low bus and jumpers to high bus inside the Nordheim Substation
- any under-built distribution voltage circuits attached to the 69 kV transmission lines that terminate into the station

7. Facility Operation and Maintenance Responsibilities of the Parties:

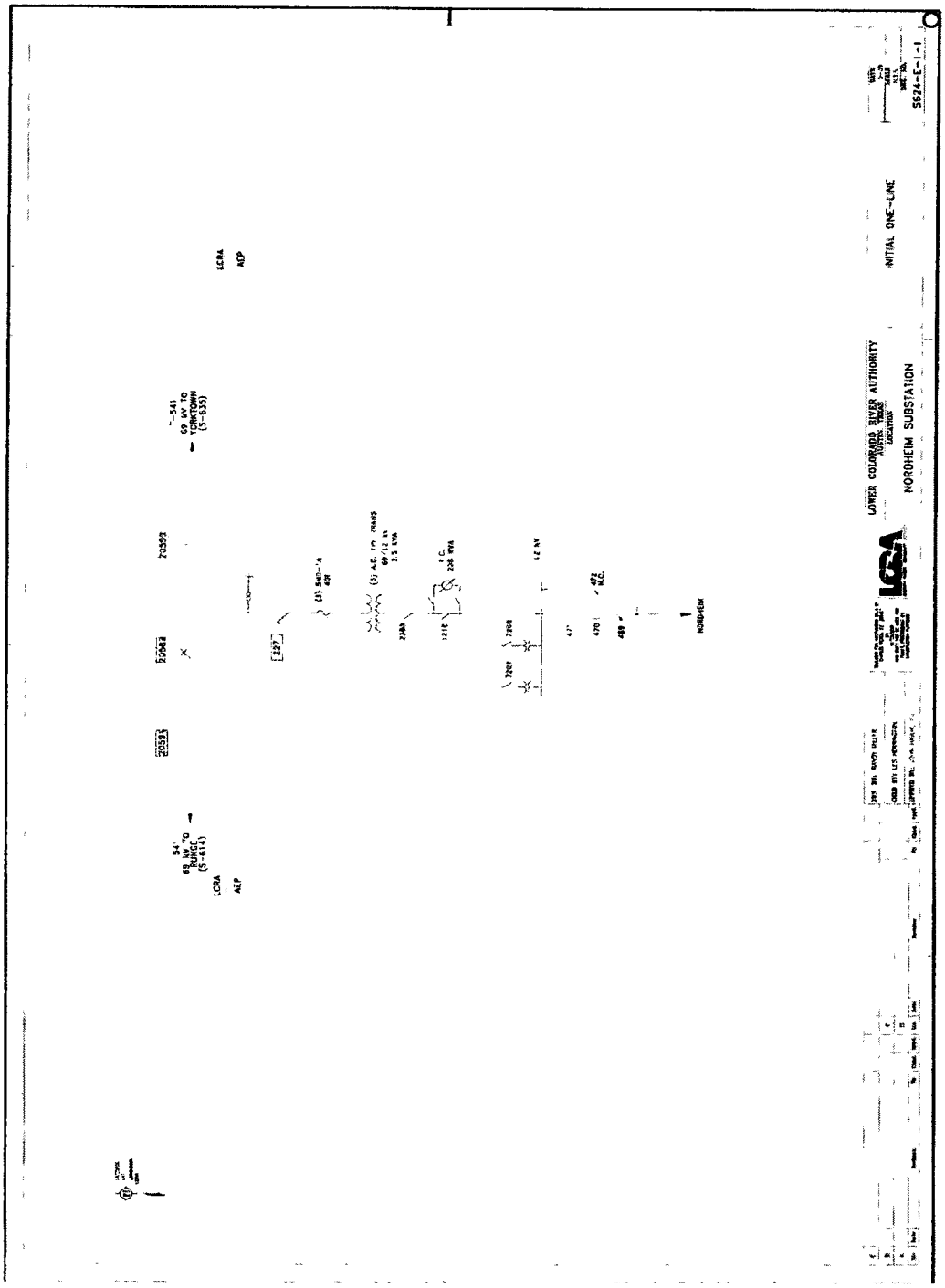
- LCRA controls and operates the following facilities:
  - 69 kV switch 20591 and associated 69 kV transmission line to Runge
  - 69 kV switch 20589
  - 69 kV switch 20599 and associated 69 kV transmission line to Yorktown

- AEP controls and operates all other equipment in the station including the following:
  - 69 kV switch 227
  - all distribution equipment in the station
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions: None


LOWER COLORADO RIVER AUTHORITY
NORDHEIM SUBSTATION
INITIAL ONE-LINE
LCRA
AEP

FACILITY SCHEDULE NO. 48

1. Name: **Yorktown 69**

2. Location: The Yorktown Substation is located at 43 FM 240, Yorktown, TX, in DeWitt County. There are two Points of Interconnection at the Yorktown Substation. The Points of interconnection are located at the top connectors on the jumpers that connect the 69 kV high buses to the 69 kV low buses.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

LCRA owns the following facilities:

- transmission lines, dead-end insulator strings and termination hardware
- the following facilities inside the Yorktown Substation:
  - 69 kV transmission line switches 20679 and MOS 20669 with interrupter and motor operator for MOS 20669
  - high-buses 69 kV sectionalizing switch 20673
  - 69 kV high-buses, including conductors, insulators and termination hardware
  - jumpers from switches 20679 and MOS 20669 to the lines and to the high-buses
  - jumpers from sectionalizing switch 20673 to the high-buses
- the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
  - Yorktown to Nordheim 69 kV transmission line
  - Yorktown to Cuero (Hydro) 69 kV transmission line

AEP owns the following facilities:

- the Yorktown Substation including all the facilities within it, except for those facilities owned by LCRA
- the 69 kV low buses and jumpers to high buses inside the Yorktown Substation
- any under-built distribution voltage circuits attached to the 69 kV transmission lines that terminate into the station

7. Facility Operation and Maintenance Responsibilities of the Parties:

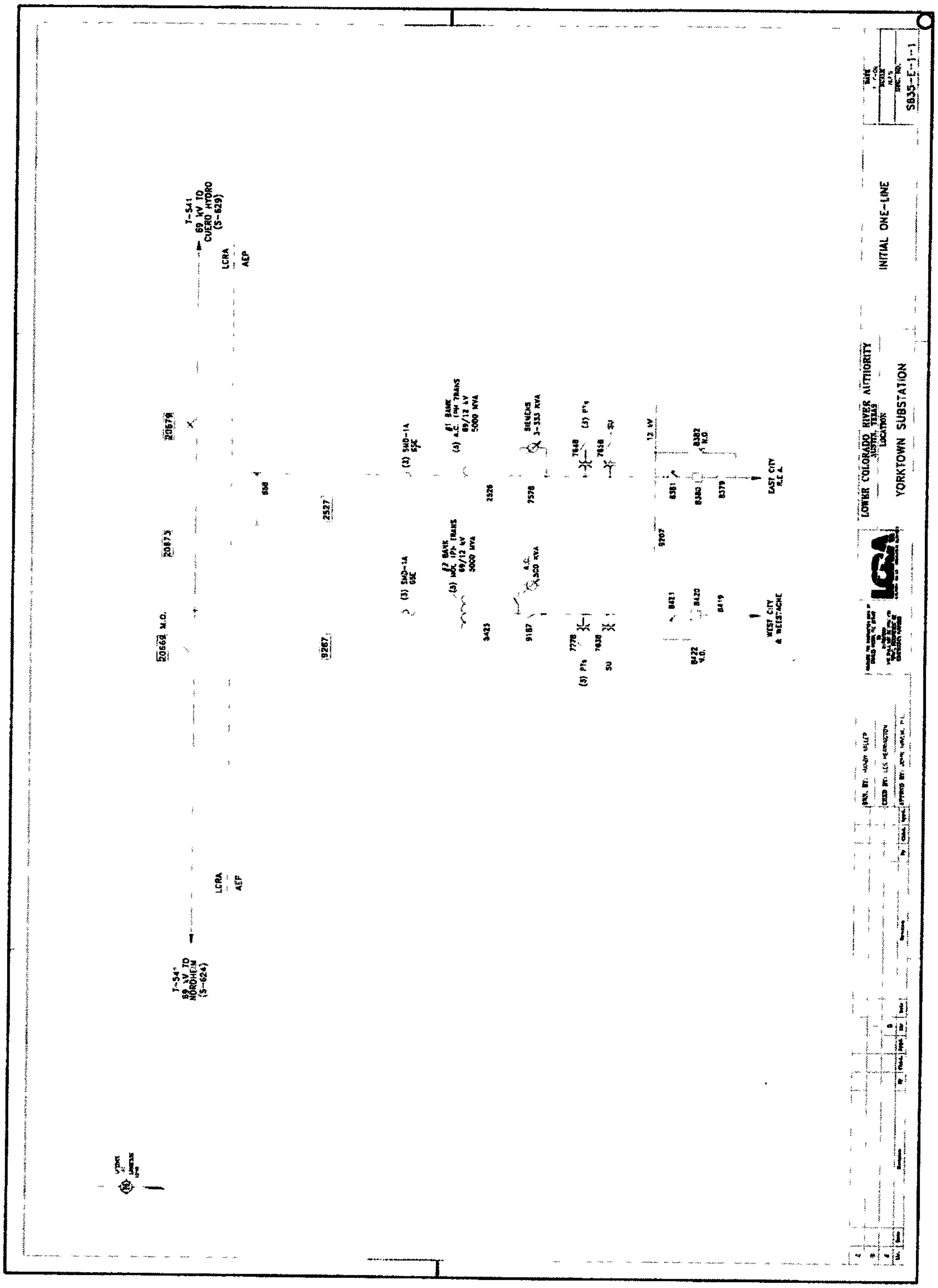
- LCRA controls and operates the following facilities:
  - 69 kV switch MOS 20669 and associated 69 kV transmission line to Nordheim
  - 69 kV switch 20673

    - 69 kV switch 20679 and associated 69 kV transmission line to Cuero (Hydro)
- AEP controls and operates all other equipment in the station including the following:
    - 69 kV switch 658, 2527, and 9267
    - all distribution equipment in the station
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions: None



Attachments – Page 46
Interconnection Agreement Amendment

FACILITY SCHEDULE NO. 49

1. Name: **Hochheim**

2. Location: The Hochheim Substation is located on Highway 183, 11.4 miles north of Hospital Drive, Cuero, Texas, in DeWitt County. The Point of Interconnection is located where the AEP jumper conductors from the substation equipment physically contact the connectors on the 69 kV tap transmission line conductors.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

LCRA owns the following facilities:

- transmission line dead-end insulator strings and termination hardware
- the following transmission lines comprised of structures, easements, switches, conductors, insulators, and connecting hardware:
  - Cuero (Hydro) to Luling City 69 kV transmission line
  - two 69 kV line switches 20549 and 20559 and any associated attachments
- transmission tap line from the tap in the Cuero (Hydro) – Luling City 69 kV transmission line to the Hochheim Substation

AEP owns the following facilities:

- the Hochheim Substation including all the facilities within it
- any under-built distribution voltage circuits attached to the 69 kV transmission lines that terminate into the station

7. Facility Operation and Maintenance Responsibilities of the Parties:

- LCRA controls and operates the following facilities:
  - 69 kV switch 20559 and associated 69 kV transmission line to Cuero (Hydro)
  - 69 kV switch 20549 and associated 69 kV transmission line to Luling City
  - 69 kV tap line from Hochheim Tap to the Hochheim Substation
- AEP controls and operates all other equipment in the station including the following:
  - 69 kV switch 2265
  - all distribution equipment in the station
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions: None