

Control Number: 35077



Item Number: 369

Addendum StartPage: 0



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PUBLICE FILING CLENK

AEP Texas AEP Texas Central Company 400 West 15th Street, Suite 1520 Austin, TX 78701 AEPTexas.com

April 25, 2013

Naomi Hudgins Filing Clerk Public Utility Commission of Texas 1701 Congress Avenue P.O. Box 13326 Austin, TX 78711-3326

Re: Project No. 35077 - Amendment Nos. 4 & 5 to the Interconnection Agreement between AEP Texas Central Company & LCRA Transmission Services Corporation

Dear Ms. Hudgins:

Enclosed for filing is the following:

Amendment No. 4 to the Interconnection Agreement ("Agreement"), dated March 7, 2013, between AEP Texas Central Company and LCRA Transmission Services Corporation.

Amendment No. 5 to the Interconnection Agreement ("Agreement"), dated March 27, 2013, between AEP Texas Central Company and LCRA Transmission Services Corporation.

The Parties entered into Amendment No. 4 to the Agreement to amend the upgrade to one of two existing Points of Interconnection ("POI") within the TCC El Campo substation in Wharton County, Texas. Specifically, with respect to the existing El Campo POI, Amendment No. 4 provides for the conversion of one 69 kV transmission line to a 138 kV transmission line from LCRA's Ricebird substation to TCC's El Campo substation.

These changes are reflected in the amended El Campo Facility Schedule No. 64, which is incorporated into the Amended Agreement. Additionally, the Amended Agreement includes changes to Exhibit A, which reflect formatting changes as well as additional details regarding the POIs covered under the Amended Agreement.

The Parties entered into Amendment No. 5 to amend the Agreement by adding the new TCC Mockingbird 138 kV substation ("Substation") in Colorado County, Texas. This

Public Utility Commission of Texas April 25, 2013 Page 2

new Substation will interconnect to LCRA's Glidden to Fayetteville 138 kV transmission line, about 0.35 miles north of LCRA's existing Glidden substation. The new Substation will provide 12.5 kV distribution service to TCC's retail customers within the local area of Columbus, Texas.

These changes are reflected in the Mockingbird Facility Schedule No. 69, which is incorporated into the Amended Agreement.

Please feel free to contact me at 918-599-2274 if there are any questions.

Sincerely,

<u>Allen Smith</u> Allen Smith Senior Regulatory Consultant American Electric Power Service Corporation

Attachment

AMENDMENT NO. 4 TO THE INTERCONNECTION AGREEMENT BETWEEN AEP TEXAS CENTRAL COMPANY AND LCRA TRANSMISSION SERVICES CORPORATION

This Amendment No. 4 to the Interconnection Agreement between AEP Texas Central Company and LCRA Transmission Services Corporation (this "Amendment") is made by and between AEP Texas Central Company ("<u>AEP</u>") and LCRA Transmission Services Corporation ("<u>LCRA TSC</u>") as of this $\cancel{7777}$ day of \cancel{MARCH} , 2013. AEP and LCRA TSC are each being referred to as a "Party" or collectively referred to as the "Parties."

WITNESSETH

WHEREAS, AEP and LCRA TSC are parties to that certain Interconnection Agreement dated as of January 11, 2005 (the "Interconnection Agreement");

WHEREAS, the Interconnection Agreement provides terms and conditions that allow a Point of Interconnection be added to or deleted from or amended to 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;

WHEREAS, the Parties have agree to amend Facilities Schedule No. 64 of the Interconnection Agreement that provides for the El Campo Points of Interconnection; 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.

This Amendment shall be effective as of the date first written above or upon such other date specified by the Federal Energy Regulatory Commission (the "Effective Date").

Effective as of the Effective Date, Facility Schedule No. 64 of the Interconnection Agreement is hereby amended and superseded by the revised Facility Schedule No. 64 attached hereto.

Effective as of the Effective Date, Exhibit A of the Interconnection Agreement is hereby amended and superseded by the revised Exhibit A attached hereto.

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.

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: Scott N. Smith Title: Vice President

LCRA TRANSMISSION SERVICES CORPORATION

By

Name: 'Ray Pfeffredom, P.E. Title: LCRA Transmission Engineering Manager



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No. (# of Points) [kV] Type ⁽¹⁾ 1A Luling 69 (0) - - - 1B Luling City 12.5 (4) 12.5 - - 2 Yorktown (1) 12.5 - - 3 Nordheim (1) 12.5 - - 4 Glidden (0) - - - - 5 LCRA Cuero (1) 13.8 T T 6 Campwood (1) 69 T - - 7 LCRA Nixon (0) - - - - - 8 Leakey (1) 345 T - - - 9 Coleto Creek (1) 345 T 1 1 10 Park (3) T 1	Facilities Schedule	Name of Point of Interconnection	Delivery Voltage	LDF Charge	Meter Voltage	Metering Installed	Estimated Peak Load	Effective Date in this Agreement, Prior Agreements or
Luling 69 (0) - Luling City 12.5 (4) 12.5 Yorktown (1) 12.5 Nordheim (1) 12.5 Glidden (0) - LCRA Cuero (1) 138 LCRA Nixon (1) 138 LCRA Nixon (1) 138 Leakey (1) 69 Leakey (1) 345 Coleto Creek (1) 345 Park (3) 138 Lon C. Hill (2) 138	No.	(# of Points)	[KV]	Type	[kV]	Cost	IKW	Amendments
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Yorktown (1) 12.5 Nordheim (1) 12.5 Glidden (0) - Campwood (1) 138 LCRA Cuero (1) 138 LCRA Nixon (0) - Leakey (1) 12.5 Leakey (1) 345 Coleto Creek (1) 345 Park (3) 138		Uling City 12.5 (4)	12.5	1	1	ı	I	November 1, 2008
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Citgo North Oak 138 Park (3) 138 Lon C. Hill (2) 138		Coleto Creek (1)	345	T	345	•	1	January 11, 2005
Park (3) 138 Lon C. Hill (2) 138	-	Citgo North Oak	-	ŧ	0.1			January 11, 2005
Hill (2) 138		Park (3)	138	T	158	1	I	April 28, 2010
001			170	F	130			January 11, 2005
	11	LON C. HIII (2)	001	T	001	1	•	April 28, 2010

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LCRA TSC-AEP Amendment No 4

							Effective Date in this
Facilities	Name of Point of	Delivery	LDF	Meter	Metering	Estimated	Agreement, Prior
Schedule	Interconnection	Voltage	Charge	Voltage	Installed	Peak Load	Agreements or
N0.	(# of Points)	[kV]	Type $\overline{(1)}$	[kV]	Cost	[kW]	Amendments
							January 11, 2005
12	Highway 9 (1)	138	Ŧ	138	I	ſ	March 16, 2007
	, , ,						April 28, 2010
-							January 11, 2005
13	Nueces Bay (U)	Ð	D		•	U	April 28, 2010
-		0,1	F	170			March 16, 2007
14	Cantwell (2)	138	-	001	•	•	April 28, 2010
	(C) T	961	E	170			March 16, 2007
CI	Well Iract (2)	001	-	001	8	•	April 28, 2010
16	Rincon (1)	138	Т	138	I	•	March 16, 2007
17	Rockport (2)	69 & 138	T	69 & 138	1	ł	March 16, 2007
18	Fulton (1)	69	Т	69	•	1	March 16, 2007
19	Roma (1)	138	T	138	1	. 1	March 16, 2007
20	Garceno (2)	138	T	138	-	1	March 16, 2007
21	Rio Grande City (2)	138	H	138	-		March 16, 2007
22	La Grulla (2)	138	[138	-	1	March 16, 2007
6		961	F	1 7 0			October 1, 2001
77	COODWIN (2)	861		001		1	February 19, 2010
č	Frontera Switching	061	F	130			October 1, 2001
7 7	Station 138 (1)	001	-	001	-		February 19, 2010
		0 C F	F	170			October 1, 2001
C7	Asherton (1)	861	T	001	ł	1	February 19, 2010
Ċ	Conoco-Chittam	120	F	130		1	July 24, 2001
07	Ranch Tap (2)	001	-	001	I	I	February 19, 2010

LCRA TSC-AEP Amendment No 4

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							Effective Date in this
Facilities	Name of Point of	Delivery	LDF	Meter	Metering	Estimated	Agreement, Prior
Schedule	Interconnection	Voltage	Charge	Voltage	Installed	Peak Load	Agreements or
No.	(# of Points)	[kV]	Type ⁽¹⁾	[kV]	Cost	[kW]	Amendments -
27	Pueblo (2)	138	T	138	I	I	March 16, 2007
28	Escondido Switching Station(1)	138	Т	138	I	I	March 16, 2007
29	Uvalde (1)	138	L	138		•	March 16, 2007
30	Asphalt Mines (2)	138	T	138		-	March 16, 2007
31	Bracketville (2)	138	E	138		3	March 16, 2007
32	Hamilton Road (0)	3	I	I	I	B	March 16, 2007 March 29, 2010
33	Pharr (1)	138	T		I	1	November 1, 2008
34	North Alamo (2)	138	T		-	I	November 1, 2008
35	Weslaco Switching Station (2)	138	Т	I	I		November 1, 2008
36	North Weslaco (2)	138	Τ	T	1	B	November 1, 2008
37	North Mercedes (2)	138	T	•	1	1	November 1, 2008
38	Harlingen Switching Station (1)	138	Т	ı	I	I	November 1, 2008
39	Naval Base (2)	69	T	•	ŀ	I	November 1, 2008
40	Airline (2)	69	L	8	1	1	November 1, 2008
41	North Padre Tap (1)	69	L	-		I	November 1, 2008
42	Mustang Island (2)	69	T	•	1	ı	November 1, 2008
43	Port Aransas (0)	1		1	I	3	November 1, 2008 April 28, 2010
44	Laguna (0)	·	١	I	ſ	1	November 1, 2008 April 28, 2010

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LCRA TSC-AEP Amendment No 4

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							Effective Date in this
Facilities	Name of Point of	Delivery	LDF	Meter	Metering	Estimated	Agreement, Prior
Schedule	Interconnection	Voltage	Charge	Voltage	Installed	Peak Load	Agreements or
No.	(# of Points)	[kV]	Type ⁽¹⁾	[kV]	Cost	[kW]	Amendments
l	Kenedy Switching	ę	F				November 1, 2008
45	Station (2)	69		8	•	t	April 28, 2010
		,	F				November 1, 2008
46	Kunge (1)	69		I ·	•	•	April 28, 2010
			E				November 1, 2008
47	Nordheim 69 (1)	69	1	1	I	1	April 28, 2010
			E				November 1, 2008
48	Yorktown 69 (2)	69	-	I	U	9	April 28, 2010
49	Hochheim (1)	69	L	ı	•	-	November 1, 2008
		Q	E		1	1	November 1, 2008
20	Malone (1)	69	-	1			April 28, 2010
		,	F				November 1, 2008
51	Darst Creek(2)	69	I	1	I		April 28, 2010
		¢,	F				November 1, 2008
52	AEP Nixon (2)	60	-	1	B	I	April 28, 2010
		Q	F				November 1, 2008
53	Magnolia (1)	60	-	•	1	I	April 28, 2010
	-	Q	F				November 1, 2008
54	Columbus (2)	60		•		•	April 28, 2010
		Ś	F				November 1, 2008
55	Stattord Hill (1)	60	_	١		8	April 28, 2010
		ç	F				November 1, 2008
56	Riverside Pump (1)	69	Π	•	1	ŀ	April 28, 2010

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LCRA TSC-AEP Amendment No 4

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Effective Date in this Agreement, Prior	Agreements or	Amendments	November 1, 2008	April 28, 2010	November 1, 2008	April 28, 2010	November 1, 2008	April 28, 2010	November 1, 2008	April 28, 2010	November 1, 2008	April 28, 2010	November 1, 2008	April 28, 2010	November 1, 2008	April 28, 2010	November 1, 2008	April 28, 2010	<i>MARCH</i> 7 , 2013	November 1, 2008	April 28, 2010	November 1, 2008	April 28, 2010	November 1, 2008	November 1, 2008	April 28, 2010
Estimated	Peak Load	[kW]				1		I		1		•		ł				ŀ			1		1	ţ	•	
Metering	Installed	Cost				9	•	I		B		1		1	,	1		ł			t		1	I	ł	
Meter	Voltage	[kV]		1		ł		¥		1		8		1		1		69 & 138			3		P	•		•
LDF	Charge	Type ^(I)	F	T	F	4	F	-1	F	-	F	4	F	4	F	T		Ŧ		F	1	Ł	T	Т	F	•
Delivery	Voltage	[kV]	ξD	60	9	60		60	07	60	U7	60	ç	07	9	60		69 & 138		ç	60	V7	60	69	U Y	60
Name of Point of	Interconnection	(# of Points)	Decisio Duma (1)	rraine rump (1)		Farker (1)		ragie Lake (2)	(1)(1)	Lakeside rump (1)	A 4-44 (1)	Mainews (1)	Garwood Lone Star	(1)		Carwood City (1)		El Campo (2)			DOCD UTAVEI (1)	()()	Carwoou Funip (1)	Ideal Cement (1)	Garwood Relief	Pump (1)
Facilities	Schedule	No.	57	<u>`</u>	c v	2 Q		<u>م</u> ر	S	00	5	10	Q	70		60		64			00		00	67	0	00

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LCRA TSC-AEP Amendment No. 4

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EXHIBIT

Effective Date in this Agreement, Prior Agreements or Amendments	
Estimated Peak Load [kW]	
Metering Installed Cost	
Meter Voltage [kV]	
LDF Charge Type ⁽¹⁾	
Delivery Voltage [kV]	
Name of Point of Interconnection (# of Points)	
Facilities Schedule No.	

Notes:

(1) Indicated Local Distribution Facilities (LDF) Charge(s) determined pursuant to ERCOT Regional Transmission Service Agreement.

T = Transmission Delivery Point (LDF Charge = Metering Charge) DS = Distribution Station voltage bus connection (LDF Charge = Metering Charge + DS Charge) OHL = Distribution Overhead Line connection (LDF Charge = Metering Charge + DS Charge + OHL Charge)

LCRA TSC-AEP Amendment No 4

FACILITY SCHEDULE NO. 64

- 1. Name: El Campo
- 2. Facility Location: The El Campo Substation ("Substation") is located at 506 Marion Street in El Campo, Texas in Wharton County. There are two (2) Points of Interconnection at the Substation: 1) at the termination of the 69 kV transmission line from the Garwood City substation; and 2) at the termination of the 138 kV transmission line from the Ricebird substation. Both Points of Interconnection are located at the point where the jumper conductors from the Substation equipment physically contact the connectors on the 69 kV and 138 kV transmission line conductors.
- 3. Delivery Voltage: 69 kV & 138 kV
- 4. Metered Voltage: 69 kV & 138 kV
- 5. Loss Adjustment Due To Meter Location: None
- 6. Normal Operation of Interconnection: Closed
- 7. **One-Line Diagram Attached:** Yes

8. Facilities Ownership:

A. AEP owns the following facilities:

- i. the Substation including all the facilities within it
- ii. a 138 kV bay within the Substation for LCRA TSC's Ricebird to Substation 138 kV transmission line, including 138 kV breaker #1620 and associated relay panels
- iii. jumper conductors from the Substation facilities to the Points of Interconnection
- iv. dead-end structures that terminate all transmission lines into the Substation
- v. any under-built distribution voltage circuits attached to the 69 kV transmission lines that terminate into the Substation
- vi. metering and metering facilities
- vii. A 69 kV bay within the Substation for LCRA TSC's Garwood City to Substation 69 kV transmission line, including 69 kV breaker #5540 and associated relay panels

B. LCRA TSC owns the following facilities:

- i. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the Garwood City to Substation 69 kV transmission line
 - b) the Ricebird to Substation 138 kV transmission line
- ii. insulators and hardware on the dead-end structures that terminate the 69 kV transmission line from the Garwood City substation
- iii. insulators and hardware on the dead-end structures that terminate the 138 kV transmission line from the Ricebird substation

9. Facility Operation Responsibilities of the Parties:

A. AEP:

- i. AEP controls and operates the Substation, including all facilities within it
- ii. AEP controls and operates all transmission lines that terminate into the Substation except for the 69 kV line from the Garwood City substation and the 138 kV line from the Ricebird substation

B. LCRA TSC:

- i. LCRA TSC controls and operates the following facilities:
 - a. the 69 kV transmission line to Garwood City substation
 - b. the 138 kV transmission line to Ricebird substation

C. General.

Operation 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.

10. Facility Maintenance Responsibilities of the Parties:

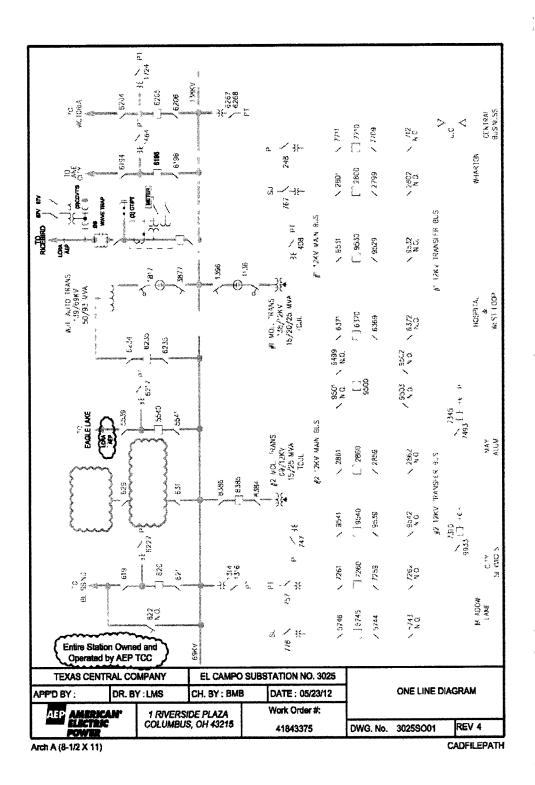
- A. Each Party maintains the facilities it owns that are provided for in this Facility Schedule.
- **B.** Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party, will be subject to review and approval by the other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

11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

- A. Each Party will be fully responsible for the costs of operation and maintenance of the facilities for which it is responsible as described in Items 9 and 10 of this Facility Schedule.
- **B.** LCRA TSC shall have access to the Substation in accordance with Article VII of the Interconnection Agreement. LCRA TSC may use separate locks in the gate and in the control house doors.

[The remainder of this page is intentionally left blank.]



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AMENDMENT NO. 5 TO THE INTERCONNECTION AGREEMENT BETWEEN AEP TEXAS CENTRAL COMPANY AND LCRA TRANSMISSION SERVICES CORPORATION

This Amendment No. 5 to the Interconnection Agreement between AEP Texas Central Company and LCRA Transmission Services Corporation (this "Amendment") is made by and between AEP Texas Central Company ("<u>AEP</u>") and LCRA Transmission Services Corporation ("<u>LCRA TSC</u>") as of this <u>27</u>TH day of <u>MARCH</u> 2013. AEP and LCRA TSC are each being referred to as a "<u>Party</u>" or collectively referred to as the "<u>Parties</u>."

<u>WITNESSETH</u>

WHEREAS, AEP and LCRA TSC are parties to that certain Interconnection Agreement dated as of January 11, 2005 (the "Interconnection Agreement");

WHEREAS, the Interconnection Agreement provides terms and conditions that allow a Point of Interconnection be added to or deleted from or amended to 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;

WHEREAS, AEP desires to construct the Mockingbird Substation and LCRA TSC desires to install certain system upgrades to interconnect with AEP at the Mockingbird Substation; and

WHEREAS, the Parties agree to amend the Interconnection Agreement by adding new Facilities Schedule No. 69 that provides for the Mockingbird Point of Interconnection; 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.

This Amendment shall be effective as of the date first written above or upon such other date specified by the Federal Energy Regulatory Commission (the "<u>Effective</u> <u>Date</u>").

Effective as of the Effective Date Facility Schedule No. 69 attached hereto is hereby added to the Interconnection Agreement.

Effective as of the Effective Date, Exhibit A of the Interconnection Agreement is hereby amended and superseded by the revised Exhibit A attached hereto.

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.

[The remainder of this page is intentionally left blank.]

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.

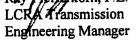
AEP TEXAS CENTRAL COMPANY iting ÷∿ By

Name: Scott N. Smith Title: Vice President

LCRA TRANSMISSION SERVICES **CORPORATION**

1/5 By korn. P.E.

Name: Ray Title: LCR





LCRA TSC-AEP Amendment No. 5

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Effective Date in this Agreement, Prior Agreements or Amendments		June 1, 1973 November 1, 2008	June 1, 1973 November 1, 2008 April 28, 2010	June 1, 1973	June 1, 1973	October 8, 1979 November 1, 2008	June 1, 1973 Noviember 1, 2008	April 28, 2010	December 28, 1990 March 16, 2007	April 11,1994 November 1, 2008	December 10, 1998	January 11, 2005	January 11, 2005 April 28, 2010	January 11, 2005 April 28, 2010
Estimated Peak Load [kW]		I	I			I		I	I	I	I	I	s	1
Metering Installed Cost		8	I			ſ		1	E	I		I	1	F
Meter Voltage [kV]		I	1			I	961	961	69	•	12.5	345	138	138
LDF Charge Type ⁽¹⁾	-	I	I	ċ	5	I	F	-1	L	1	0	Τ	T	Т
Delivery Voltage [kV]			12.5	12.5	12.5	1		138	69	ß	12.5	345	138	138
Name of Point of Interconnection (# of Points)		Luling 69 (0)	Luling City 12.5 (4)	Yorktown (1)	Nordheim (1)	Glidden (0)		LCRA Cuero (1)	Campwood (1)	LCRA Nixon (0)	Leakey (1)	Coleto Creek (1)	Citgo North Oak Park (3)	Lon C. Hill (2)
Facilities Schedule No.		1A	1B	¢	1 (*	4		Ś	9	7	~	6	10	11

EXHIBIT A

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LCRA TSC-AEP Amendment No 5

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							Effective Date in this
Facilities	Name of Point of	Delivery	LDF	Meter	Metering	Estimated	Agreement, Prior
Schedule	Interconnection	Voltage	Charge	Voltage	Installed	Peak Load	Agreements or
No.	(# of Points)	[kV]	Type $^{(1)}$	[kV]	Cost	[kW]	Amendments
							January 11, 2005
12	Highway 9 (1)	138	T	138	ı	·	March 16, 2007
))						April 28, 2010
	(0) H						January 11, 2005
13	Nueces Bay (U)		1	9	-	•	April 28, 2010
-		9 6 1	F	1 20			March 16, 2007
14	Cantwell (2)	138	4	001	-	1	April 28, 2010
15	W/-1 T4 (3)	130	F	130			March 16, 2007
CI	Well Iraci (2)	001	Ŧ	001	•	8	April 28, 2010
16	Rincon (1)	138	L	138	B		March 16, 2007
17	Rockport (2)	69 & 138	Т	69 & 138	ſ	•	March 16, 2007
18	Fulton (1)	69	Т	69	-	1	March 16, 2007
19	Roma (1)	138	Ŀ	138		•	March 16, 2007
20	Garceno (2)	138	Т	138	D	1	March 16, 2007
21	Rio Grande City (2)	138	T	138	I	•	March 16, 2007
22	La Grulla (2)	138	L	138			March 16, 2007
, ç		170	E	120			October 1, 2001
C 7		001	T	001	•	r	February 19, 2010
Ċ	Frontera Switching	120	F	120			October 1, 2001
74	Station 138 (1)	001	I	001	1		February 19, 2010
36	A - L (1)	170	F	120		1	October 1, 2001
C7	ASIICTION (1)	001	I	001		8	February 19, 2010
ער	Conoco-Chittam	130	F	138	ł	I	July 24, 2001
07	Ranch Tap (2)	001	T	0.01			February 19, 2010

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			80	Maton	Motoning	Vetimatad	Effective Date in this
Faculties Schedule	Interconnection	Voltage	Charge	Voltage	Installed	Peak Load	Agreement, 1 1101 Agreements or
No.	(# of Points)	[kV]	Type ⁽¹⁾	[kV]	Cost	[kW]	Amendments
27	Pueblo (2)	138	Т	138	1	1	March 16, 2007
28	Escondido Switching Station(1)	138	Т	138	I	I	March 16, 2007
29	Uvalde (1)	138	T	138	I		March 16, 2007
30	Asphalt Mines (2)	138	-	138	•	•	March 16, 2007
31	Bracketville (2)	138	Ľ	138			March 16, 2007
32	Hamilton Road (0)	I	1	I	L	I	March 16, 2007 March 29, 2010
33	Pharr (1)	138	T		I		November 1, 2008
34	North Alamo (2)	138	Т	•	-	1	November 1, 2008
35	Weslaco Switching Station (2)	138	Т	•	B		November 1, 2008
36	North Weslaco (2)	138	T		-	1	November 1, 2008
37	North Mercedes (2)	138	T	-	-	•	November 1, 2008
38	Harlingen Switching Station (1)	138	Т	ı	8	1	November 1, 2008
39	Naval Base (2)	69	Т		1	I	November 1, 2008
40	Airline (2)	69	Т	-	-		November 1, 2008
41	North Padre Tap (1)	69	T	1	-	1	November 1, 2008
42	Mustang Island (2)	69	T	-	-	1	November 1, 2008
43	Port Aransas (0)	ſ	ł	1	I	I	November 1, 2008 April 28, 2010
44	Laguna (0)	I	P			1	November 1, 2008 April 28, 2010

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							Effective Date in this
Facilities	Name of Point of	Delivery	LDF	Meter	Metering	Estimated	Agreement, Prior
Schedule	Interconnection	Voltage	Charge	Voltage	Installed	Peak Load	Agreements or
No.	(# of Points)	[kV]	Type ⁽¹⁾	[kV]	Cost	[kW]	Amendments
74	Kenedy Switching	60	F	I		I	November 1, 2008
4 0	Station (2)	60	-				April 28, 2010
	Ę	¢,	F				November 1, 2008
46	Kunge (1)	69	Ţ	I	•	1	April 28, 2010
		Q	F				November 1, 2008
47	Nordheim 69 (1)	69	1	I	•	8	April 28, 2010
		Q	E				November 1, 2008
48	Yorktown 69 (2)	69		I	IJ	•	April 28, 2010
49	Hochheim (1)	69	T	B	1	•	November 1, 2008
		ç	E		1		November 1, 2008
50	Malone (1)	69	1	I			April 28, 2010
		¢,	E	•			November 1, 2008
51	Darst Creek(2)	69	1	I	I	•	April 28, 2010
		Q	F				November 1, 2008
52	AEP NIXON (2)	69	7	ı	I	B	April 28, 2010
		Q	F				November 1, 2008
55	Magnolia (1)	60	-		1	1	April 28, 2010
		Q	F		-		November 1, 2008
5 4	Columbus (2)	60	-	1	ł	1	April 28, 2010
		ę	F				November 1, 2008
55	Stattord Hill (1)	69	-	1	I.	•	April 28, 2010
			E				November 1, 2008
56	Riverside Pump (1)	69		9	U	I	April 28, 2010

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							Effective Date in this
Facilities	Name of Point of	Delivery	LDF	Meter	Metering	Estimated	Agreement, Prior
Schedule	Interconnection	Voltage	Charge	Voltage	Installed	Peak Load	Agreements or
No.	(# of Points)	[kV]	Type ⁽ⁱ⁾	[kV]	Cost	[kW]	Amendments
E C		ç	E			-	November 1, 2008
/c	Frairie Fump (1)	69		\$	÷	٩	April 28, 2010
ç		¢,	F				November 1, 2008
8c	Parker (1)	69	4	1	8		April 28, 2010
		Ę	F				November 1, 2008
65	Eagle Lake (2)	69		\$	-	E	April 28, 2010
		ę	F				November 1, 2008
60	Lakeside Pump (1)	69	4	1	-	I	April 28, 2010
	N.444.001	U7	ŧ			ſ	November 1, 2008
0	Mattnews (1)	60		1	1	I	April 28, 2010
	Garwood Lone Star	ę	F				November 1, 2008
79	(1)	60		1	Þ	ı	April 28, 2010
		ŝ	F				November 1, 2008
63	Carwood City (1)	60		1	1	F	April 28, 2010
							November 1, 2008
64	El Campo (2)	69 & 138	[69 & 138	ı	3	April 28, 2010
	-						MACH 7 , 2013
		ę	F				November 1, 2008
60	BOCH Gravel (1)	60		\$	3	t	April 28, 2010
	4	Ś	E				November 1, 2008
99	Carwood Pump (1)	60		3	8	ŧ	April 28, 2010
67	Ideal Cement (1)	69	Т	1	1	P	November 1, 2008
60	Garwood Relief	69	F	•	ı	I	November 1, 2008
00	Pump (1)	6	Ŧ				April 28, 2010

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EXHIBIT A (continued)

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Effective Date in this Agreement, Prior Agreements or Amendments	MARCH 27, 2013	
Estimated Peak Load [kW]	7500	
Metering Installed Cost	1	
Meter Voltage [kV]	12.5	
LDF Charge Type ⁽¹⁾	Ļ	
Delivery Voltage [kV]	138	
Name of Point of Interconnection (# of Points)	Mockingbird (2)	
Facilities Schedule No.	69	

Notes:

(1) Indicated Local Distribution Facilities (LDF) Charge(s) determined pursuant to ERCOT Regional Transmission Service Agreement.

T = Transmission Delivery Point (LDF Charge = Metering Charge) DS = Distribution Station voltage bus connection (LDF Charge = Metering Charge + DS Charge) OHL = Distribution Overhead Line connection (LDF Charge = Metering Charge + DS Charge + OHL Charge)

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FACILITY SCHEDULE NO. 69

1. Name: Mockingbird

- 2. Facility Location: The Mockingbird Substation ("Substation") will be located at 315 Radio Lane, Columbus, Texas, in Colorado County, Texas, (29° 42' 03.80" N, 96° 34' 25.82" W), approximately 0.35 miles north of the LCRA TSC Glidden substation. There will be two (2) Points of Interconnection located at both AEP high-side 138 kV disconnect switches. More specifically, the Points of Interconnection are where LCRA TSC's jumper conductors from LCRA TSC's 138 kV bus equipment physically connect to AEP's 138 kV high-side disconnect switches.
- 3. Delivery Voltage: 138 kV
- 4. Metered Voltage: 12.5 kV
- 5. Loss Adjustment Due To Meter Location: None
- 6. Normal Operation of Interconnection: Closed
- 7. One-Line Diagram Attached: Yes
- 8. Responsibilities and Ownership:
 - A. AEP agrees that it will design, procure and construct and will own the following facilities:
 - i. the Substation and all the facilities within it excluding those facilities identified as being owned by LCRA TSC below
 - ii. the three (3) acres for the Substation
 - iii. one (1) 138 kV circuit switcher
 - iv. two (2) 138 kV disconnect switches and all associated material
 - v. the 138/12.5 kV distribution transformer
 - vi. three (3) distribution regulators
 - vii. three (3) distribution circuit breakers with relays
 - viii. one (1) totalize breaker on low-side of distribution transformer
 - ix. the 12.5 kV distribution facilities
 - x. the control house with station service and 125 Vdc station batteries
 - xi. 12.5 kV meters and metering facilities
 - xii. Ground grid, gravel, fencing and other appurtenances
 - xiii. one (1) remote terminal unit ("<u>RTU</u>")

B. LCRA TSC agrees that it will design, procure and construct and will own the following facilities:

- i. the Glidden to Fayetteville 138 kV transmission line (T-176)
- ii. the 138 kV transmission facilities within the Substation consisting of the following:

- a) two (2) 138 kV A-frames and foundations
- b) one (1) 138 kV, 2000 Amp bus
- c) two (2) 138 kV 2000 Amp air break switches with motor operators
- d) two (2) 138 kV interrupters
- e) jumpers from LCRA TSC 138 kV bus to AEP 138 kV disconnect switches
- f) one (1) annunciator/MOS/PT panel
- g) one (1) RTU
- h) the fiber between the Glidden substation and Substation
- i) associated fiber facilities (facility entry, patch panel and splice box)

9. Facility Operation Responsibilities of the Parties:

Each Party will operate the equipment it owns as set forth in Section 8 above.

10. Facility Maintenance Responsibilities of the Parties:

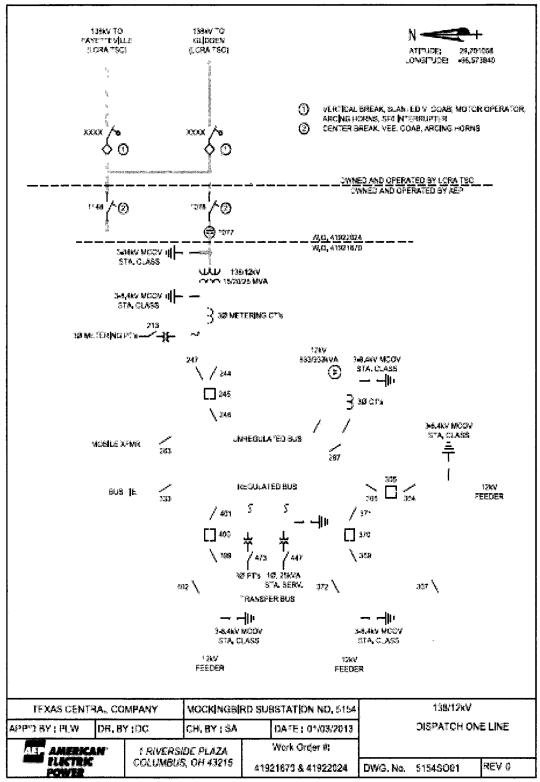
Each Party will maintain the equipment and facilities it owns as set forth in Section 8 above.

11. Estimated Peak Load: 7,500 kW

12. Other Terms and Conditions:

- A. Each Party agrees to exercise commercially reasonable efforts to place the facilities in service by December 13, 2013.
- B. Each Party will be fully responsible for the costs of installation, construction, operation and maintenance of the facilities for which it is responsible as described in Items 8, 9 and 10 of this Facility Schedule.
- C. AEP shall allow LCRA TSC to install equipment and panels in AEP's control house.
- D. AEP shall provide LCRA TSC with 125 Vdc and 120 Vac as necessary for LCRA TSC's equipment.
- E. LCRA TSC shall have access to the Substation in accordance with Article VII of the Interconnection Agreement.
- F. AEP permits LCRA TSC its own separate locks in the Substation gate.
- G. AEP and LCRA TSC shall share a control house door key in a lock box located outside the access door of the control house.

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