

- ii. the 138 kV AEP Substation to Asphalt Mines Substation transmission line comprised of structures, conductors, insulators, easements, shield wires and connecting hardware

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

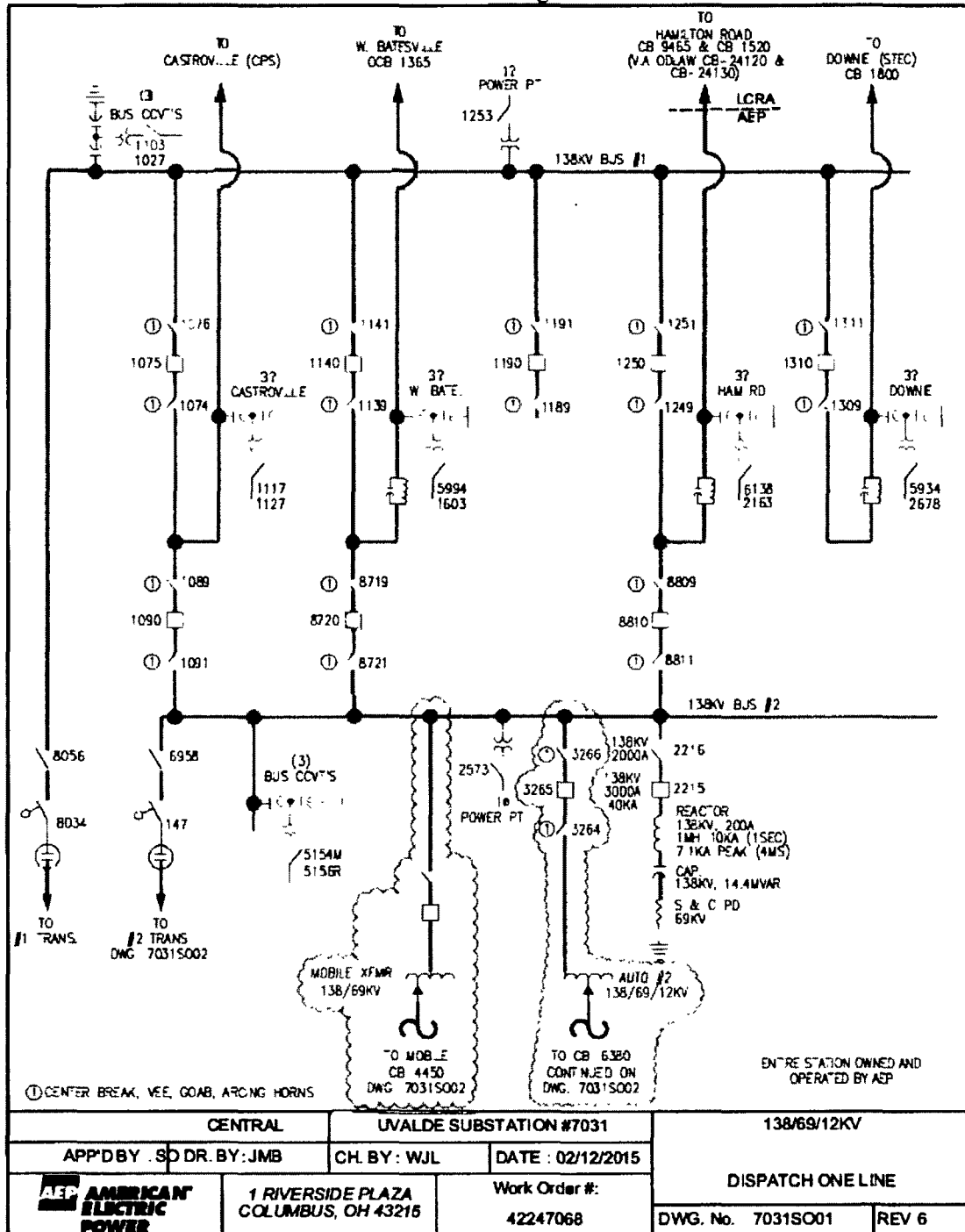
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 29 (continued)
One-Line Diagram



**EXHIBIT A
FACILITY SCHEDULE NO. 30**

1. **Name:** Asphalt Mines
2. **Facility Location:** AEP's Asphalt Mines Substation (the "AEP Substation") is located near Blewett, Texas in Uvalde County. There are two (2) Points of Interconnection located at 1) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from the Odlaw Substation, and 2) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from Uvalde Substation. More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Substation switches physically contact the connectors on LCRA TSC's 138 kV transmission line conductors.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation and all the facilities within it
 - ii. the jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 138 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's transmission lines into the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center any distribution line easements and under-built distribution circuits attached to the structures of LCRA TSC's transmission lines that terminate into the AEP Substation
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the insulators and hardware on AEP's dead-end structure that terminates LCRA TSC's 138 kV AEP Substation to Odlaw Substation transmission line
 - ii. the insulators and hardware on AEP's dead-end structure that terminates LCRA TSC's 138 kV AEP Substation to Uvalde Substation transmission line
 - iii. the following transmission line(s) comprised of structures, conductors, insulators, easements, shield wires and connecting hardware:

- a) the 138 kV AEP Substation to Odlaw Substation transmission line
the 138 kV AEP Substation to Uvalde Substation transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

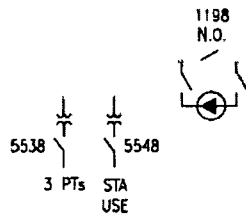
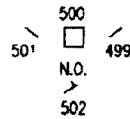
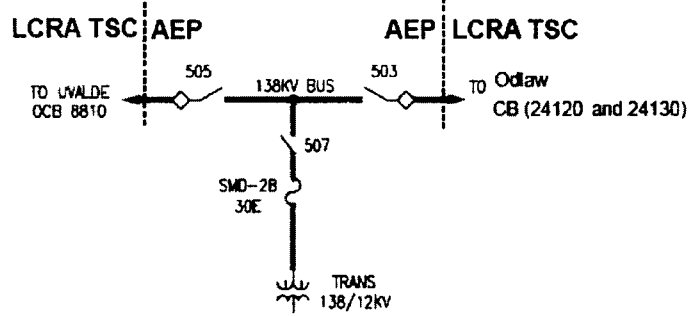
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 30 (continued)
One-Line Diagram



CENTRAL				AEP AMERICAN ELECTRIC POWER	
ASPHALT MINES SUB #7002 - WEST DIV.					
DRFT. MS	ENG.	APP.	DATE: 3/17/05	DWG NO. 7002S001	REV 2

EXHIBIT A
FACILITY SCHEDULE NO. 31

1. **Name:** **Brackettville**
2. **Facility Location:** AEP's Brackettville Substation (the "AEP Substation") is located near Brackettville, Texas in Kinney County. There are two (2) Points of Interconnection located at 1) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from Hamilton Road Substation, and 2) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from Odlaw Substation. More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 138 kV transmission line conductors.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation and all the facilities within it
 - ii. the jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 138 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's transmission lines into the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. any distribution line easements and under-built distribution circuits attached to the structures of LCRA TSC's transmission lines that terminate into the AEP Substation
 - vii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 138 kV AEP Substation to Hamilton Road Substation transmission line
 - ii. the insulators and hardware on AEP's dead-end structures that terminate LCRA TSC's 138 kV AEP Substation to Odlaw Substation transmission line

- ii. the following transmission line(s) comprised of structures, conductors, insulators, easements, shield wires and connecting hardware:
 - a) the 138 kV AEP Substation to Hamilton Road Substation transmission line
- iii. the 138 kV AEP Substation to Odlaw Substation transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

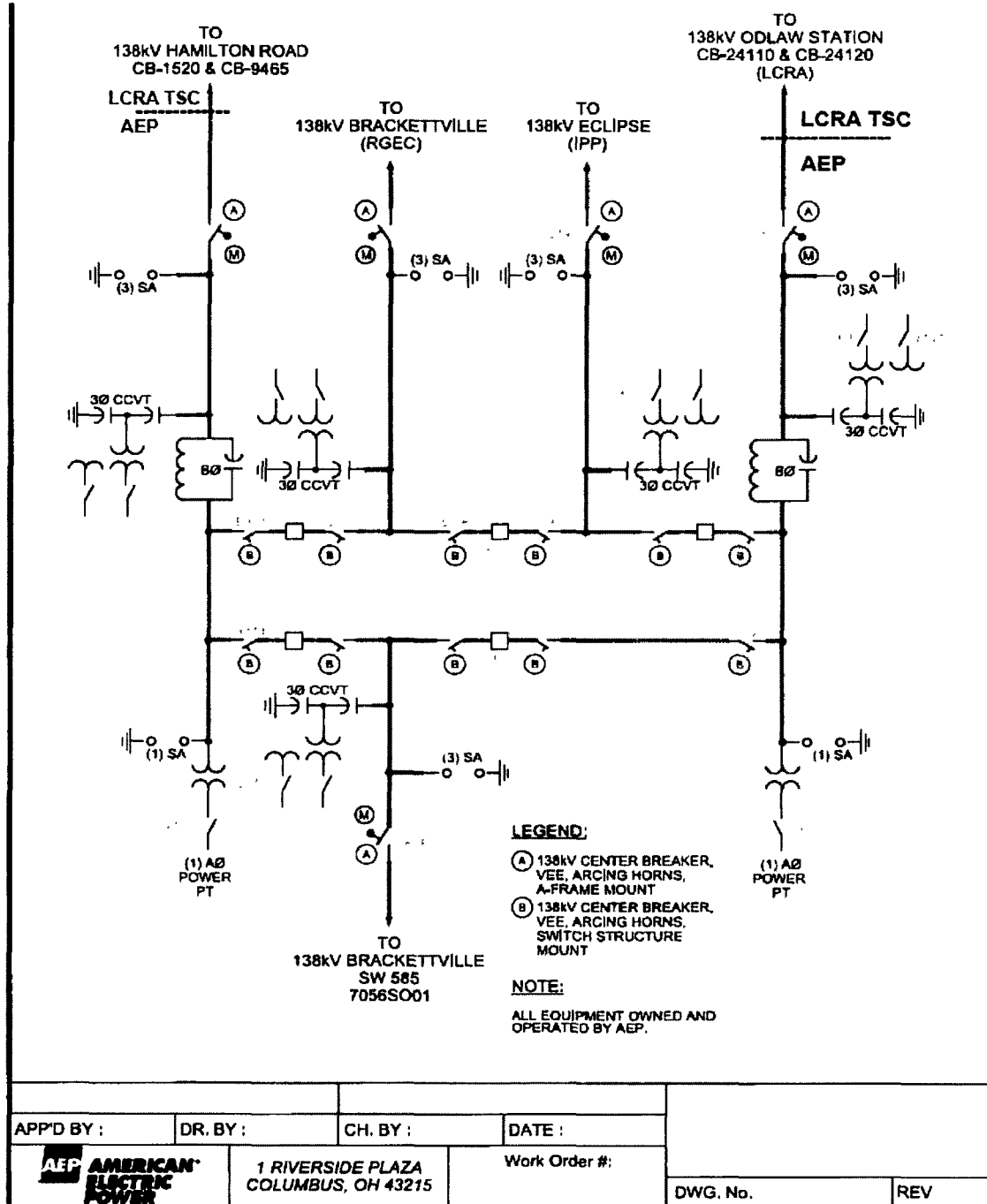
11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

- i. 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.
- ii. AEP will utilize fibers assigned to them from LCRA TSC's fiber network to support AEP RTU communications at Brackettville Substation and to fill a gap in AEP's fiber based high speed transport network.

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EXHIBIT A
FACILITY SCHEDULE NO. 31 (continued)
One-Line Diagram



**EXHIBIT A
FACILITY SCHEDULE NO. 32**

Hamilton Road

TERMINATED

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EXHIBIT A
FACILITY SCHEDULE NO. 33

1. **Name:** Pharr
2. **Facility Location:** AEP's Pharr Substation (the "AEP Substation") is located in Pharr, Texas in Hidalgo County. The Point of Interconnection is at AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from the North Alamo Substation. More specifically, where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 138 kV transmission line conductors.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation and all the facilities within it
 - ii. the jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 138 kV transmission line conductors
 - iii. AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line into the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. the transmission line relay protection panel and all associated equipment for the LCRA TSC 138 kV transmission line
 - vii. any under-built distribution circuits and optical ground wire (OPGW) shield/fiber aerial cable and fiber optic communications circuits attached to LCRA TSC's 138 kV transmission line that terminates into the AEP Substation
 - viii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the insulators and hardware on AEP's dead-end structure that terminates LCRA TSC's 138 kV AEP Substation to North Alamo Substation transmission line
 - ii. the 138 kV AEP Substation to North Alamo Substation transmission line comprised of easements, licenses, structures, conductors, insulators, and connecting hardware
9. **Facility Operation Responsibilities of the Parties:**

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

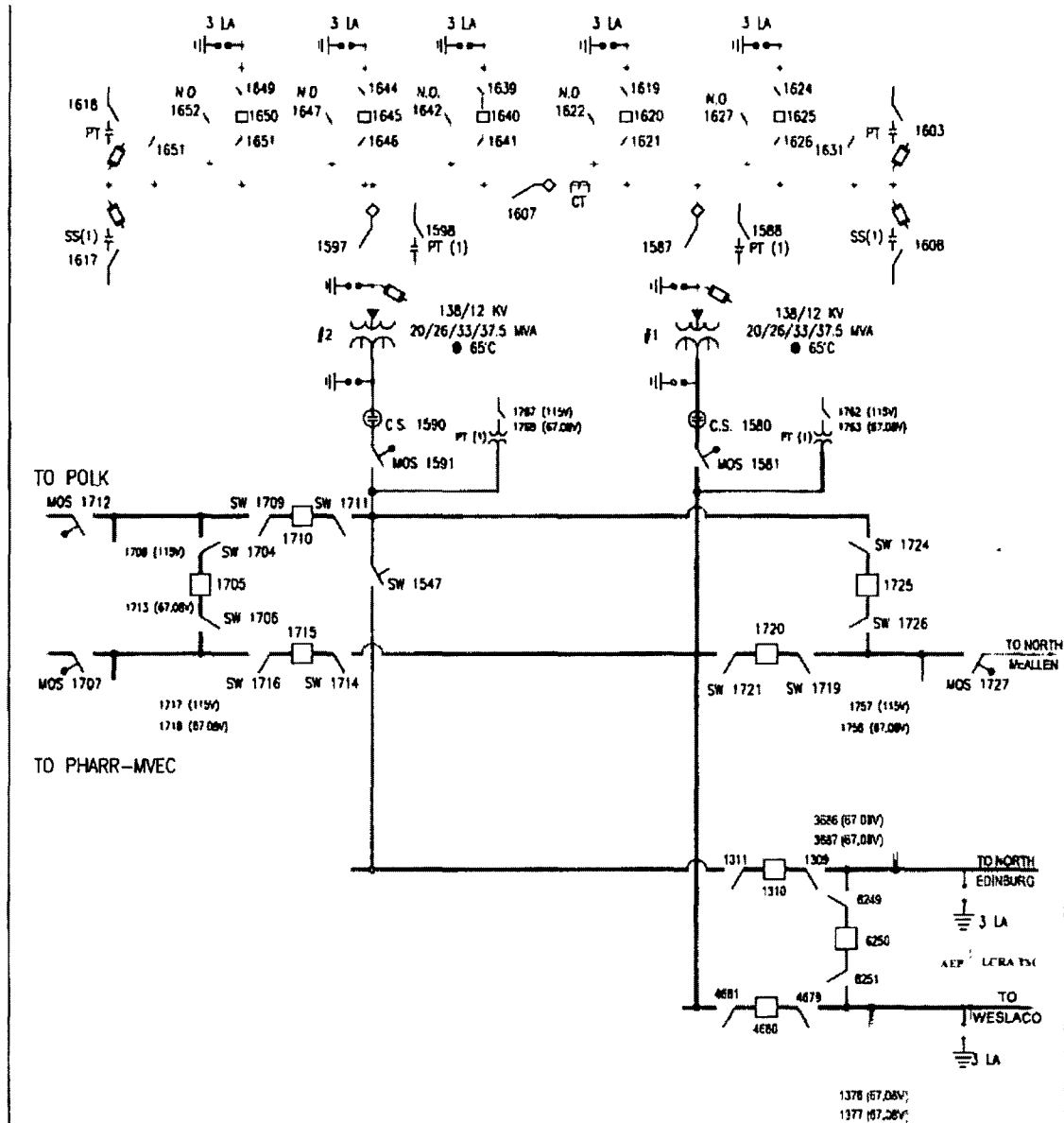
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 33 (continued)
One-Line Diagram



CENTRAL		PHARR SUB, #1138		138/12kV	
APP'D BY :	DR, BY : RH	CH, BY : DSG	DATE : 1/28/15	ONE LINE DIAGRAM	
AEP AMERICAN ELECTRIC POWER		1 RIVERSIDE PLAZA COLUMBUS, OH 43215	Work Order #: 42363841	DISPATCHING	
				DWG, No, 1138S001	REV 6

**EXHIBIT A
FACILITY SCHEDULE NO. 34**

1. **Name:** North Alamo
2. **Facility Location:** AEP's North Alamo Substation (the "AEP Substation") is located in Alamo, Texas in Hidalgo County. There are two (2) Points of Interconnection located at 1) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from Pharr Substation, and 2) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from Weslaco Switching Station. More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 138 kV transmission line conductors.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agree that it owns the following facilities:**
 - i. the AEP Substation, including all the facilities within it
 - ii. the jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 138 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's transmission lines into the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. any under-built distribution circuits and optical ground wire (OPGW) shield/fiber aerial cable and fiber optic communications circuits attached to the structures of LCRA TSC's transmission lines that terminate into the AEP Substation
 - vii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agree that it owns the following facilities:**
 - i. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 138 kV AEP Substation to Pharr Substation transmission line
 - ii. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 138 kV AEP Substation to Weslaco Switching Station transmission line
 - ii. the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:

- a) the 138 kV AEP Substation to Pharr Substation transmission line
- b) the 138 kV AEP Substation to Weslaco switching station transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

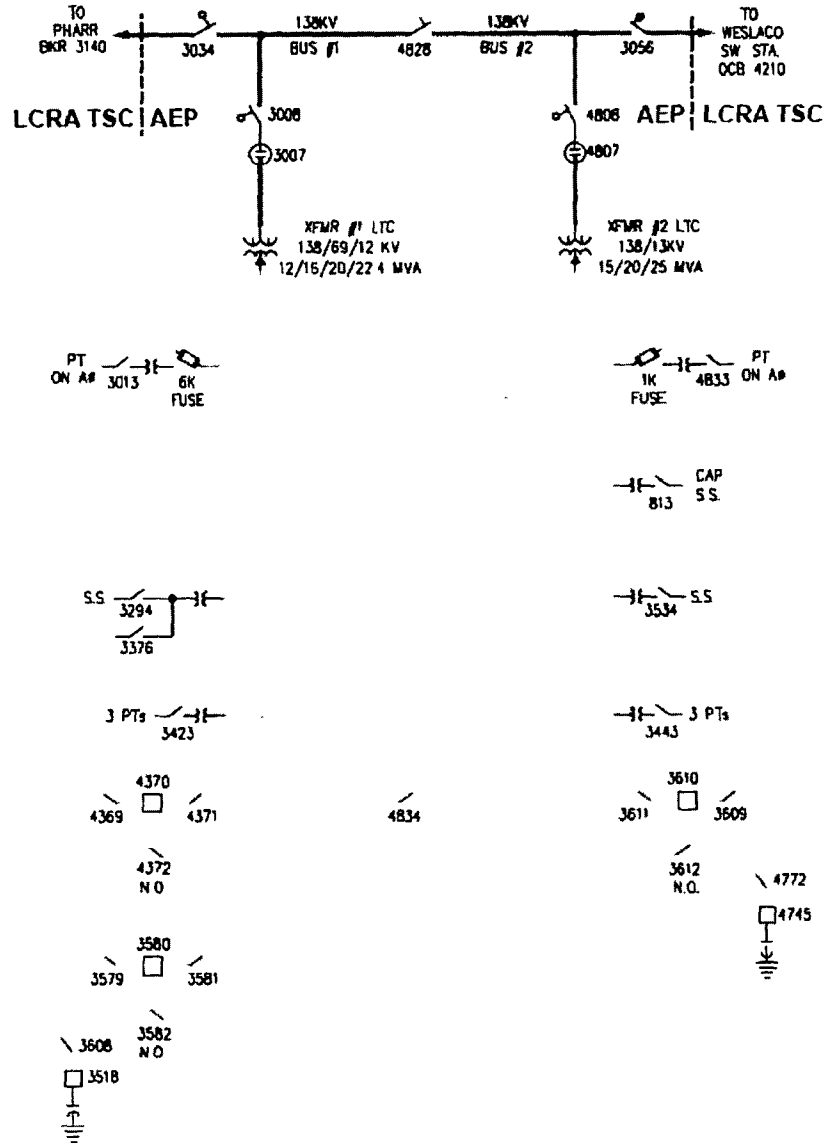
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 34 (continued)
One-Line Diagram



CENTRAL		NORTH ALAMO #1038		138/12KV	
APP'D BY :	DR. BY : CRT	CH. BY :	DATE : 12/11/09	DISPATCH ONE LINE	
		1 RIVERSIDE PLAZA COLUMBUS, OH 43215		Work Order #:	
				DWG. No. 1038SQ01	REV 5

**EXHIBIT A
FACILITY SCHEDULE NO. 35**

1. **Name:** **Weslaco**

2. **Facility Location:** AEP's Weslaco Switching Station (the "AEP Station") is located in Weslaco, Texas in Hidalgo County. There are two (2) Points of Interconnection located at 1) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from the North Alamo Substation, and 2) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from the North Weslaco Substation. More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Station equipment physically contact the connectors on LCRA TSC's 138 kV transmission line conductors.

3. **Delivery Voltage:** 138 kV

4. **Metered Voltage:** N/A

5. **Loss Adjustment Due To Meter Location:** N/A

6. **Normal Operation of Interconnection:** Closed

7. **One-Line Diagram Attached:** Yes

8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Station, including all the facilities within it
 - ii. the jumper conductors from the AEP Station facilities to the connectors on LCRA TSC's 138 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's transmission lines into the AEP Station
 - iv. the transmission line relay protection panels and all associated equipment for the LCRA TSC 138 kV transmission lines
 - v. the remote terminal unit ("RTU")
 - vi. the RTU communications circuit from the AEP Station to AEP's control center
 - vii. any under-built distribution circuits and optical ground wire (OPGW) shield/fiber aerial cable and fiber optic communications circuits attached to the structures of LCRA TSC's transmission lines that terminate into the AEP Station
 - viii. the AEP Station property ground grid, gravel, fencing and other appurtenances

 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 138 kV AEP Station to North Alamo Substation transmission line

- ii. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 138 kV AEP Station to North Weslaco Substation transmission line
- iii. the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:
 - a) the 138 kV AEP Station to North Alamo Substation transmission line
 - b) the 138 kV AEP Station to North Weslaco Substation transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 35 (continued)
One-Line Diagram

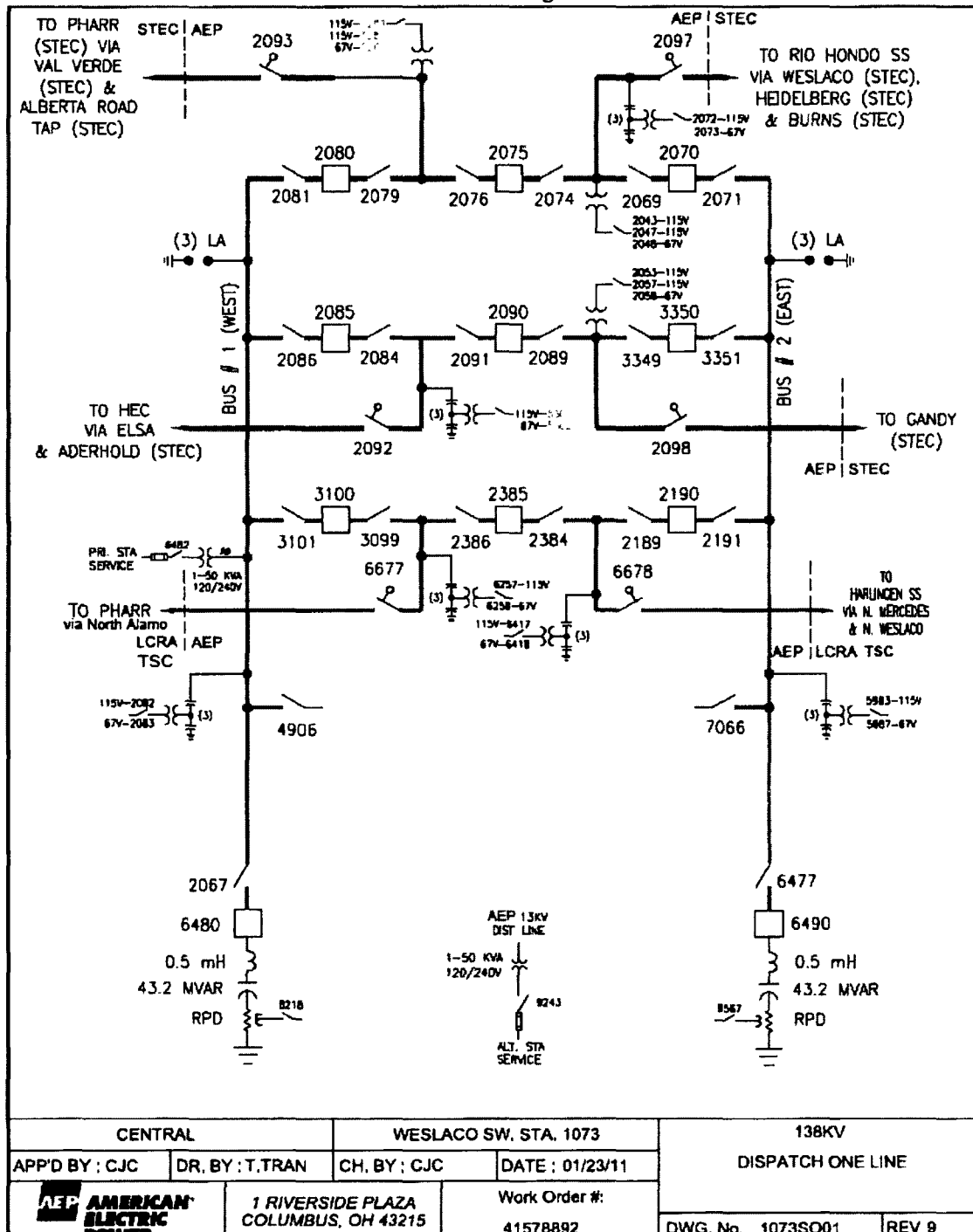


EXHIBIT A
FACILITY SCHEDULE NO. 36

1. **Name:** North Weslaco
2. **Facility Location:** AEP's North Weslaco Substation (the "AEP Substation") is located in Weslaco, Texas in Hidalgo County. There are two (2) Points of Interconnection located at 1) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from Weslaco Switching Station, and 2) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from the North Mercedes Substation. More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 138 kV transmission line conductors.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation and all the facilities within it
 - ii. the jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 138 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's transmission lines into the AEP Substation
 - iv. the RTU communications circuit from the AEP Substation to AEP's control center
 - v. the remote terminal unit ("RTU")
 - vi. any under-built distribution circuits and optical ground wire (OPGW) shield/fiber aerial cable and fiber optic communications circuits attached to the structures of LCRA TSC's transmission lines that terminate into the AEP Substation
 - vii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 138 kV AEP Substation to Weslaco switching station transmission line
 - ii. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 138 kV AEP Substation to North Mercedes Substation transmission line

- iii. the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:
 - a) the 138 kV AEP Substation to Weslaco Switching Station transmission line
 - b) the 138 kV AEP Substation to North Mercedes Substation transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

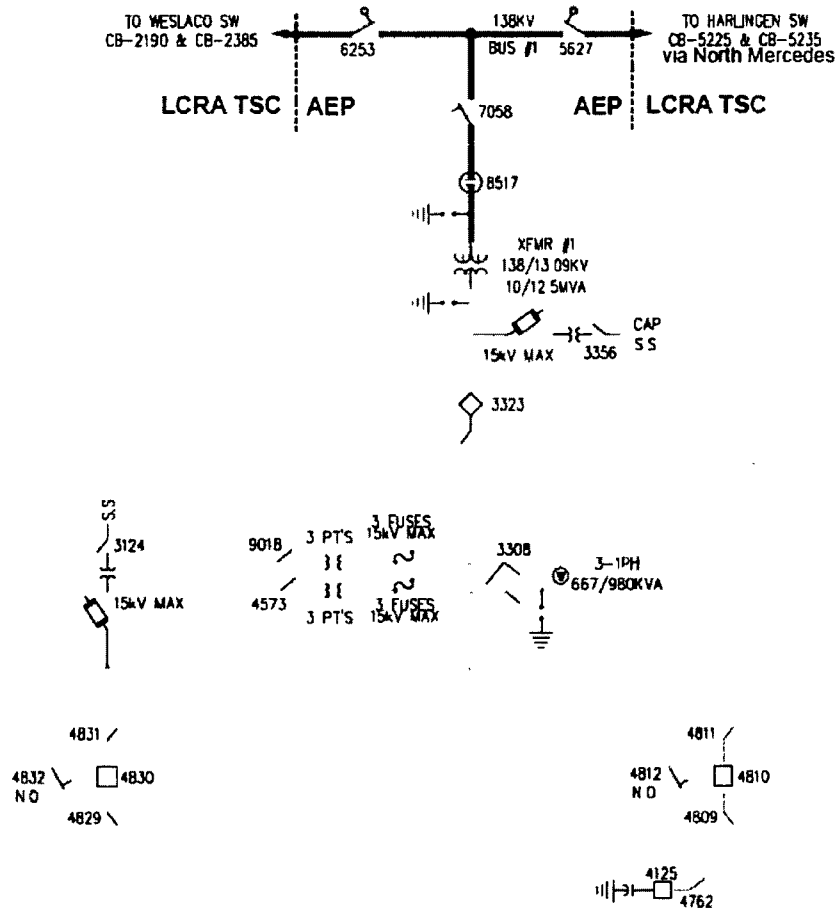
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 36 (continued)
One-Line Diagram



CENTRAL		NORTH WESLACO #1031		138/12KV	
APP'D BY:	DR. BY: CRT	CH. BY: BCV	DATE: 1/7/2010	DISPATCH ONE LINE	
		1 RIVERSIDE PLAZA COLUMBUS, OH 43216		Work Order #:	
				DWG. No. 1031SO01	
				REV 4	

**EXHIBIT A
FACILITY SCHEDULE NO. 37**

1. **Name:** North Mercedes
2. **Facility Location:** AEP's North Mercedes Substation (the "AEP Substation") is located in Mercedes, Texas in Hidalgo County. There are two (2) Points of Interconnection located at 1) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from North Weslaco Substation, and 2) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from Harlingen Switching Station. More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 138 kV transmission line conductors.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation, including all the facilities within it
 - ii. the jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 138 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's transmission lines into the AEP Substation
 - iv. the RTU communications circuit from the AEP Substation to AEP's control center
 - v. the remote terminal unit ("RTU")
 - vi. any under-built distribution circuits and optical ground wire (OPGW) shield/fiber aerial cable and fiber optic communications circuits attached to the structures of LCRA TSC's transmission lines that terminate into the AEP Substation
 - vii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 138 kV AEP Substation to North Weslaco Substation transmission line
 - ii. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 138 kV AEP Substation to Harlingen Switching Station transmission line

- iii. the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:
 - a) the 138 kV AEP Substation to North Weslaco Substation transmission line
 - b) the 138 kV AEP Substation to Harlingen Switching Station transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 37 (continued)
One-Line Diagram

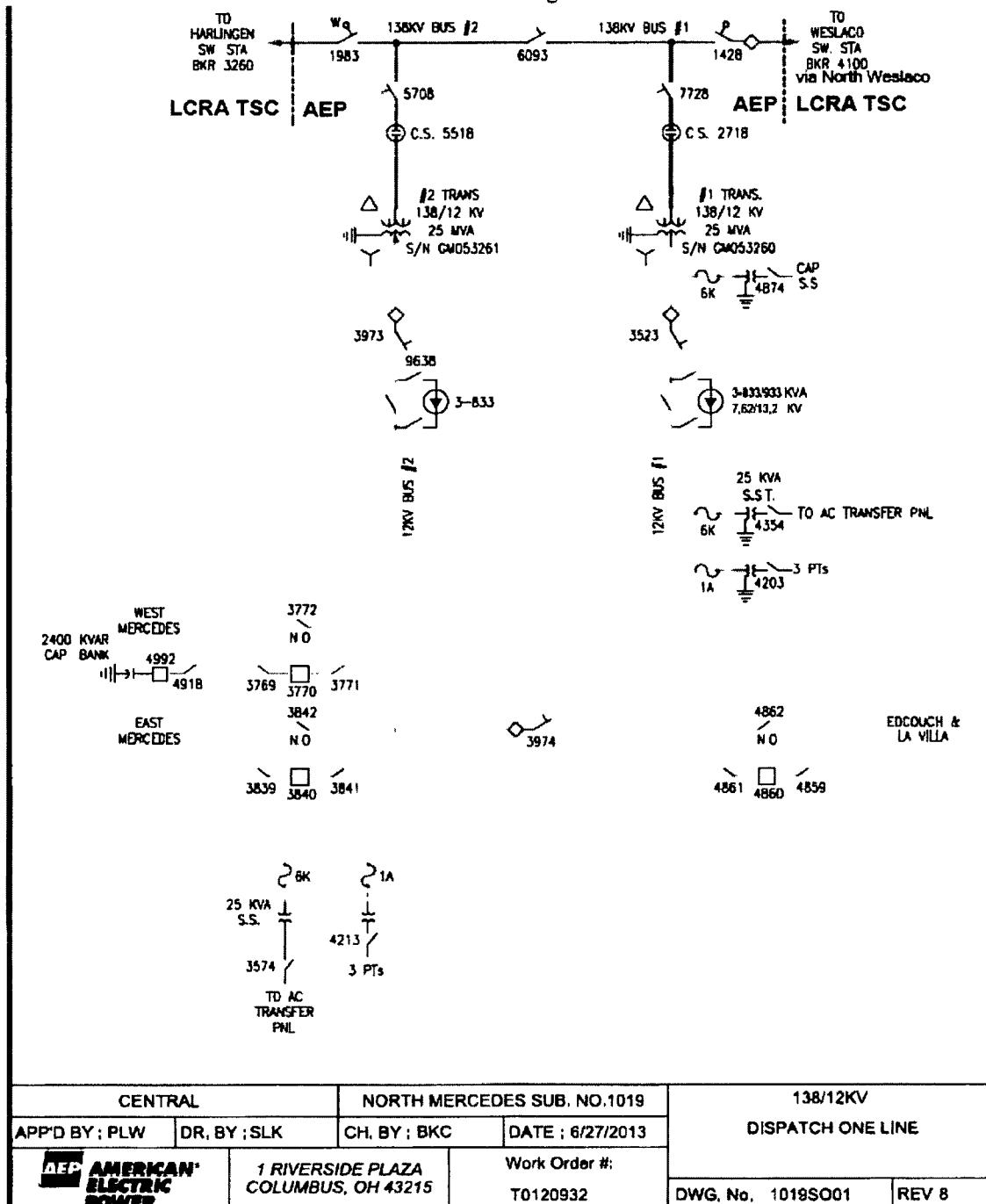


EXHIBIT A
FACILITY SCHEDULE NO. 38

1. **Name:** Harlingen
2. **Facility Location:** AEP's Harlingen Switching Station (the "AEP Station") is located in Harlingen, Texas in Cameron County. The Point of Interconnection is at AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from the North Mercedes Substation. More specifically, where the jumper conductors from the AEP Station equipment physically contact the connectors on LCRA TSC's 138 kV transmission line conductors.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Station, including all the facilities within it
 - ii. the jumper conductors from the AEP Station facilities to the connectors on LCRA TSC's 138 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's transmission line into the AEP Station
 - iv. the transmission line relay protection panel and all associated equipment for the LCRA TSC 138 kV transmission line
 - v. the remote terminal unit ("RTU")
 - vi. the RTU communications circuit from the AEP Station to AEP's control center
 - vii. any under-built distribution circuits and optical ground wire (OPGW) shield/fiber aerial cable and fiber optic communications circuits attached to the structures of LCRA TSC's transmission line that terminates into the AEP Station
 - viii. the AEP Station property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. insulators and hardware on AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from the North Mercedes Substation
 - ii. the 138 kV AEP Station to North Mercedes Substation transmission line comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 38 (continued)
One-Line Diagram

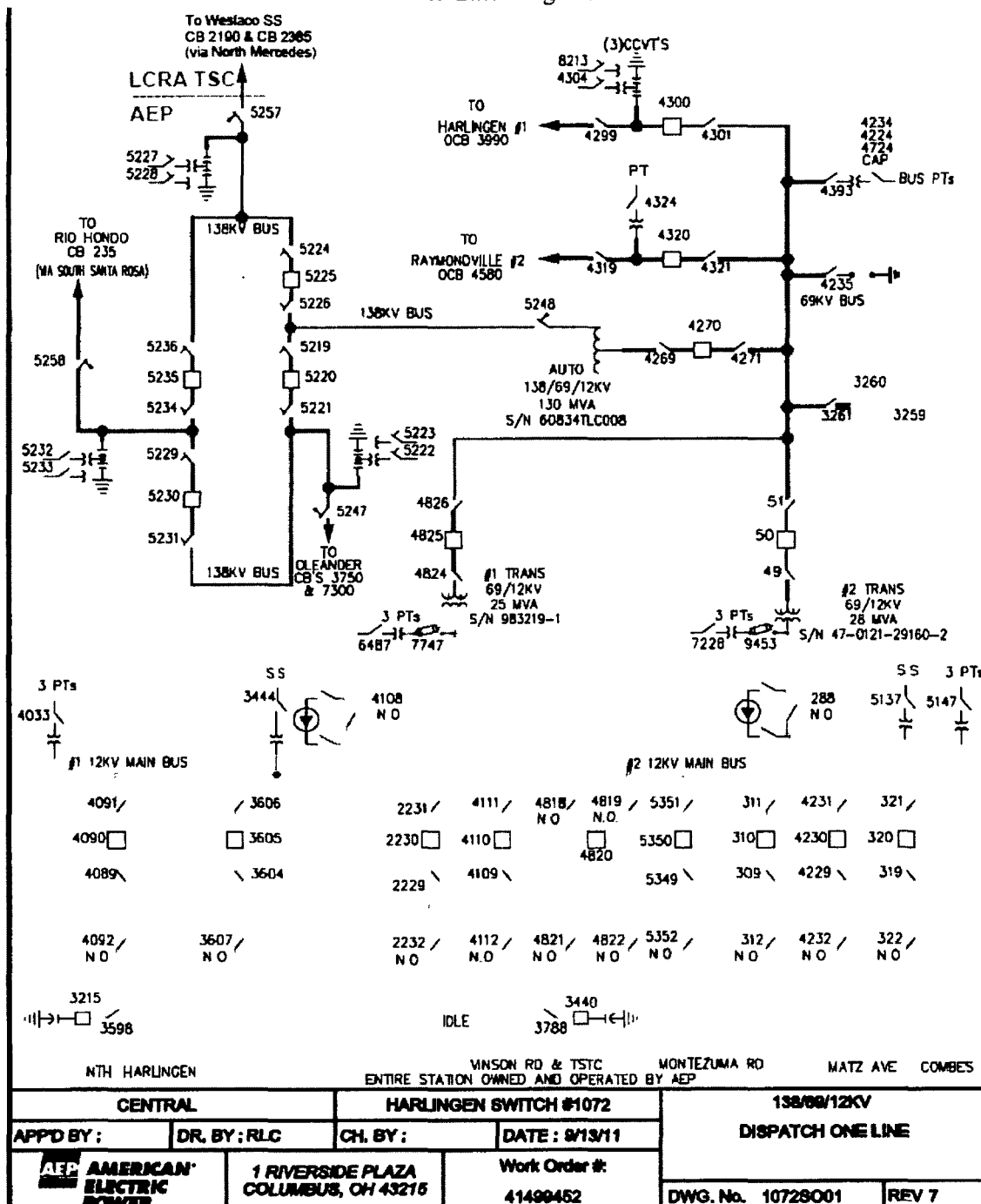


EXHIBIT A
FACILITY SCHEDULE NO. 39

1. **Name:** **Naval Base Gas Insulated**
2. **Facility Location:** AEP's Naval Base Gas Insulated Substation (the "AEP Substation") is located in Corpus Christi, Texas in Nueces County. There are two (2) Points of Interconnection located at 1) AEP's dead-end structure that terminates LCRA TSC's 69 kV transmission line (slack line) from Airline Substation (via Laguna Substation), and 2) AEP's dead-end structure that terminates LCRA TSC's 69 kV transmission line (slack line) from Airline Substation. More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV transmission line (slack line) conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation, including all the facilities within it
 - ii. AEP's dead-end structures that terminate LCRA TSC's transmission lines into the AEP Substation
 - iii. jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 69 kV transmission line conductors
 - iv. the RTU communications circuit from the AEP Substation to AEP's control center
 - v. the transmission line relay protection panels and all associated equipment for the LCRA TSC 69 kV transmission lines
 - vi. the remote terminal unit ("RTU")
 - vii. any under-built distribution circuits attached to the structures of AEP transmission lines that terminate into the AEP Substation
 - viii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 69 kV AEP Substation to Airline Substation (via Laguna Substation) transmission line (slack line)

- ii. insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 69 kV AEP Substation to Airline Substation transmission line (slack line)
- iii. the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators and connecting hardware:
 - a) the 69 kV AEP Substation to Airline Substation transmission line
 - b) the 69 kV AEP Substation to Airline Substation (via Laguna Substation) transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

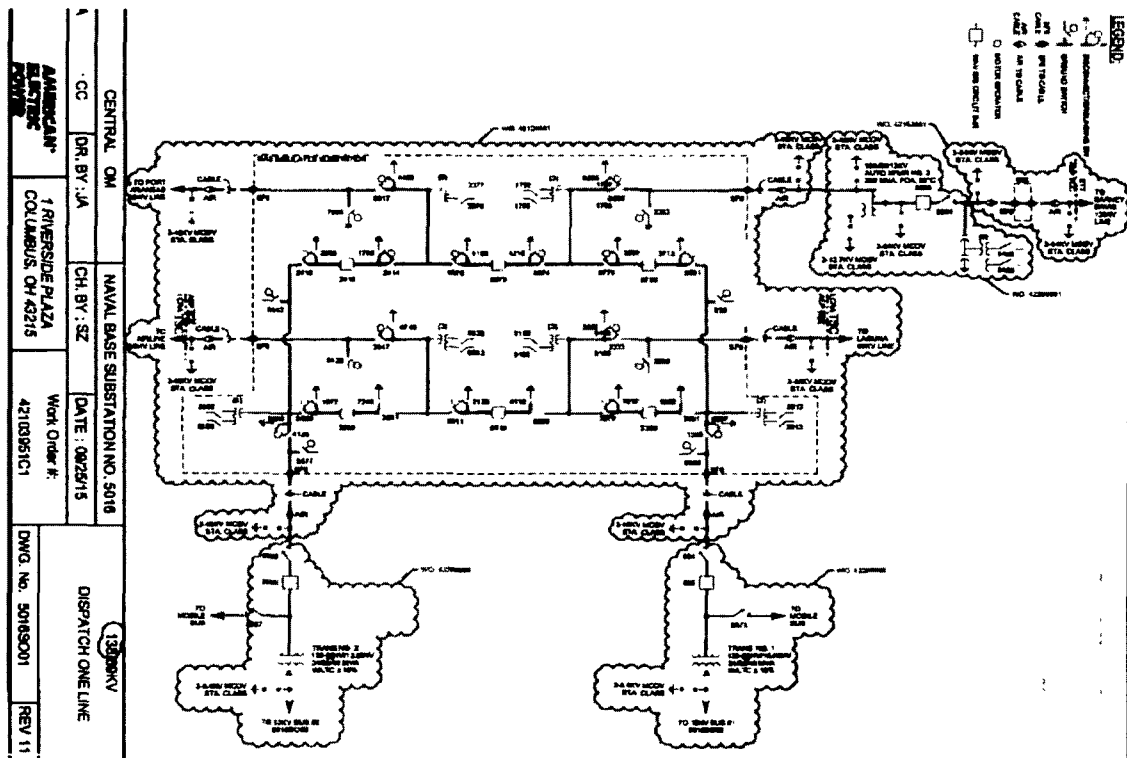
11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

- A. 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.
- B. LCRA TSC will be rerouting its two transmission lines and installing dead end structures outside the AEP Substation. LCRA TSC will provide the slack-span lines to the two (2) Points of Interconnection within the AEP Substation.

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EXHIBIT A
FACILITY SCHEDULE NO. 39 (continued)
One-Line Diagram



**EXHIBIT A
FACILITY SCHEDULE NO. 40**

1. **Name:** **Airline**
2. **Facility Location:** AEP's Airline Substation (the "AEP Substation") is located in Corpus Christi, Texas in Nueces County. There are two (2) Points of Interconnection located at 1) AEP's dead-end structure that terminates LCRA TSC's 69 kV transmission line from Naval Base Gas Insulated Substation, and 2) AEP's dead-end structure that terminates LCRA TSC's 69 kV transmission line from Naval Base Gas Insulated Substation (via Laguna Substation). More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV transmission line conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation, including all the facilities within it
 - ii. jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 69 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's transmission lines into the AEP Substation
 - iv. the transmission line relay protection panels and all associated equipment for the LCRA TSC 69 kV transmission lines
 - v. the remote terminal unit ("RTU")
 - vi. the RTU communications circuit from the AEP Substation to AEP's control center
 - vii. any under-built distribution circuits and any optical ground wire (OPGW) shield/fiber aerial cable and attached fiber optic communications circuits attached to the structures of AEP's transmission lines that terminate into the AEP Substation
 - viii. the AEP Substation property ground grid, gravel, fencing and other appurtenances

B. LCRA TSC agrees that it owns the following facilities:

- i. insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 69 kV AEP Substation to Naval Base Gas Insulated Substation transmission line
- ii. insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 69 kV AEP Substation to Naval Base Gas Insulated Substation (via Laguna Substation) transmission line
- iii. the following transmission line(s) comprised of easements, structures, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Naval Base Gas Insulated Substation transmission line
 - b) the 69 kV AEP Substation to Naval Base Gas Insulated Substation (via Laguna Substation) transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

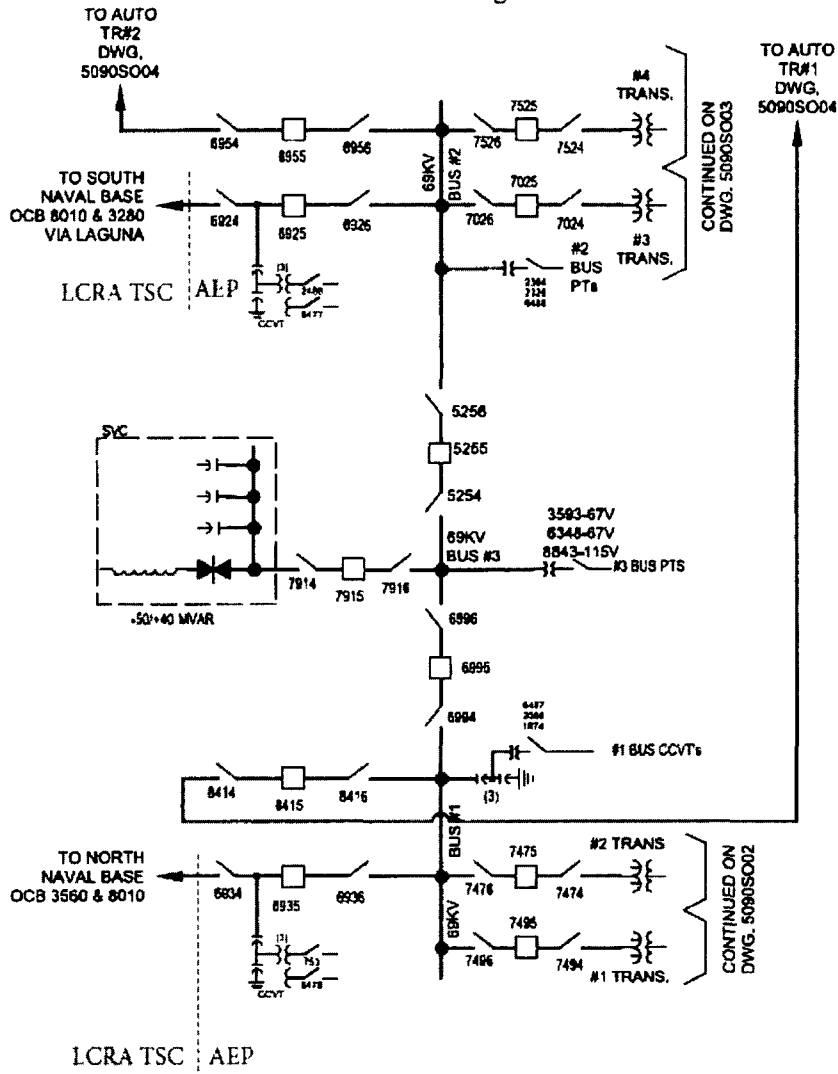
12. Other Terms and Conditions:

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.

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EXHIBIT A
FACILITY SCHEDULE NO. 40 (continued)
One-Line Diagram



CENTRAL		AIRLINE SUBSTATION NO. 5090		138KV	
APP'D BY : CC	DR. BY : TA	CH. BY : CC	DATE : 08/31/15	DISPATCH ONE LINE	
		1 RIVERSIDE PLAZA COLUMBUS, OH 43215		Work Order #: 42287260C1	
				DWG. No. 5090SO01	REV 8

**EXHIBIT A
FACILITY SCHEDULE NO. 41**

1. **Name:** **North Padre Tap**

2. **Facility Location:** North Padre Tap is located 3.8 miles from AEP's North Padre Island Substation in Corpus Christi, Texas in Nueces County. The Point of Interconnection is on the south side of LCRA TSC's single-circuit dead-end transmission structure (the "Tap Structure") where AEP's 69 kV transmission line from AEP's Naval Base Gas Insulated Substation (via North Padre) to the Tap Structure interconnect with LCRA TSC's 69 kV transmission line from the Tap Structure to Mustang Island Substation and is defined as the point where LCRA TSC's jumpers at the Tap Structure connect to AEP's 69 kV transmission line.

3. **Delivery Voltage:** 69 kV

4. **Metered Voltage:** N/A

5. **Loss Adjustment Due To Meter Location:** N/A

6. **Normal Operation of Interconnection:** Closed

7. **One-Line Diagram Attached:** Yes

8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the 69 kV transmission line from AEP's Naval Base Gas Insulated Substation (via North Padre) to the Tap Structure including dead-end insulator string and line termination hardware
 - ii. the transmission line easement, optical ground wire (OPGW) shield/fiber aerial cable and fiber optic communications circuits and any under-built distribution circuits attached to the structures of LCRA's 69 kV Tap Structure to Mustang Island Substation transmission line

 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 69 kV transmission line from Mustang Island Substation to the Tap Structure
 - ii. Tap Structure and line jumpers

9. **Facility Operation Responsibilities of the Parties:**

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

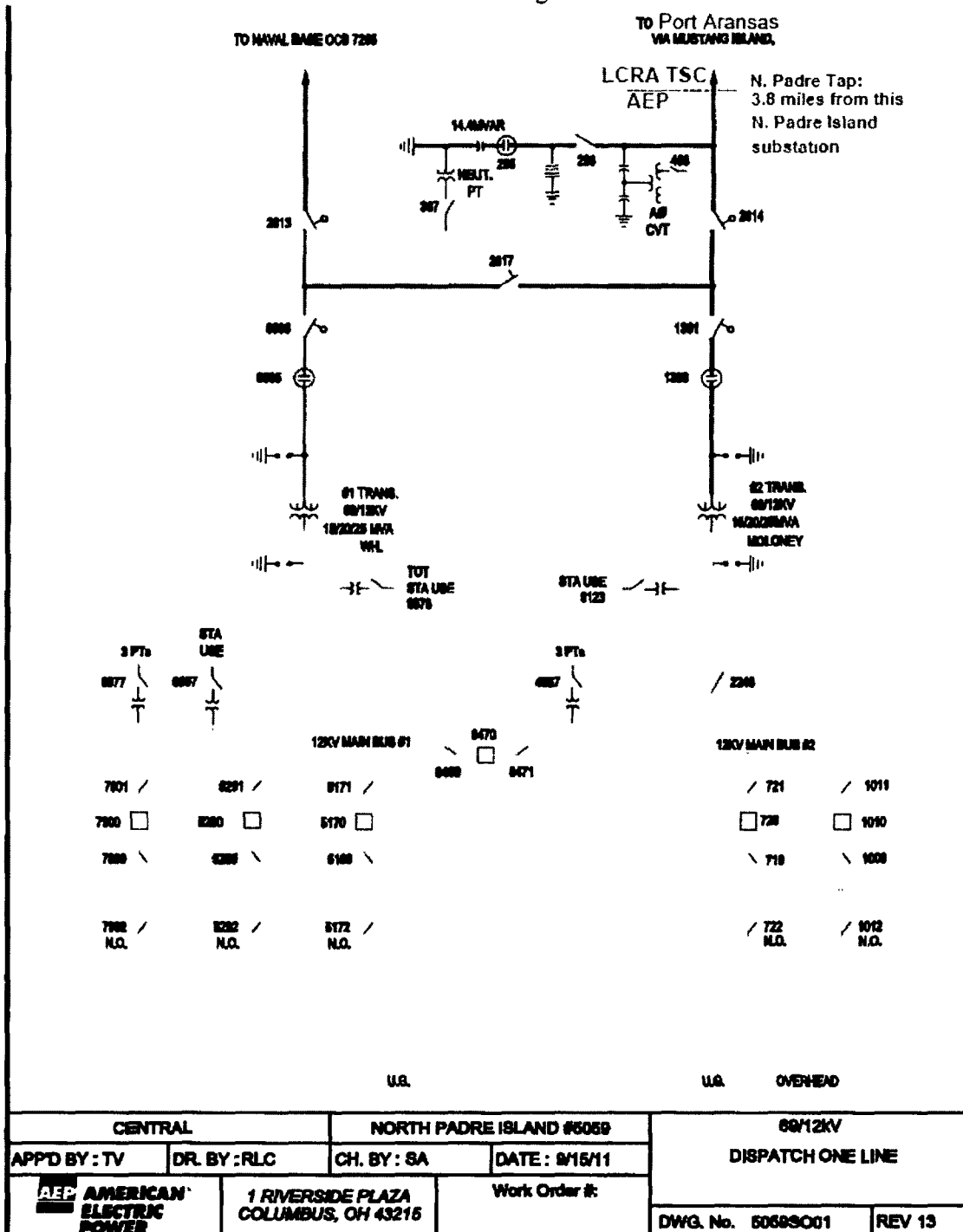
Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

12. Other Terms and Conditions: None

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EXHIBIT A
FACILITY SCHEDULE NO. 41 (continued)
One-Line Diagram



**EXHIBIT A
FACILITY SCHEDULE NO. 42**

1. **Name:** Mustang Island
2. **Facility Location:** AEP's Mustang Island Substation (the "AEP Substation") is located in Corpus Christi, Texas in Nueces County. There are two (2) Points of Interconnection located at 1) AEP's dead-end structure that terminates LCRA TSC's 69 kV transmission line from North Padre Tap, and 2) AEP's dead-end structure that terminates LCRA TSC's 69 kV transmission line from Port Aransas Substation. More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV transmission line conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation, including all the facilities within it
 - ii. the jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 69 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's transmission lines into the AEP Substation
 - iv. the RTU communications circuit from the AEP Substation to AEP's control center
 - v. the remote terminal unit ("RTU")
 - vi. transmission line easements, optical ground wire (OPGW) shield/fiber aerial cable and attached fiber optic communications circuits, and any under-built distribution circuits attached to LCRA TSC's transmission lines that terminate into the AEP Substation
 - vii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 69 kV AEP Substation to North Padre Tap transmission line
 - ii. the insulators and hardware on AEP's dead-end structure that terminate LCRA TSC's 69 kV AEP Substation to Port Aransas Substation transmission line

- iii. the following transmission line(s) comprised of structures, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Port Aransas Substation transmission line
 - b) the 69 kV AEP Substation to North Padre Tap transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

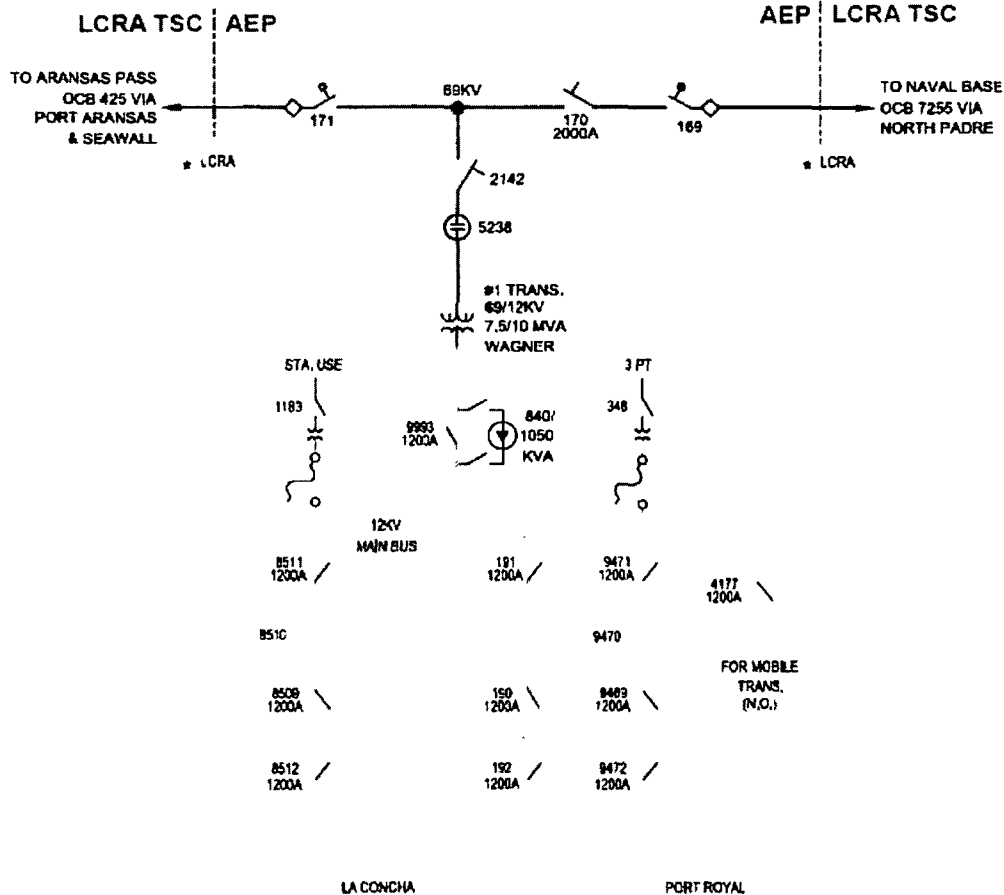
12. Other Terms and Conditions:

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.

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EXHIBIT A
FACILITY SCHEDULE NO. 42 (continued)
One-Line Diagram

* LCRA OWNERSHIP
 INCLUDES THE LINE
 DEADEND SUSPENSION
 INSULATORS AND
 STRAIN CLAMPS



CENTRAL		MUSTANG ISLAND #5038		69/12KV	
APP'D BY: CC	DR. BY: NM	CH. BY: JL	DATE: 08/05/13	DISPATCH ONE LINE	
		1 RIVERSIDE PLAZA COLUMBUS, OH 43215		Work Order #: 41781186C1 42029342C1	
				DWG. No. 5038SO01	REV 6

**EXHIBIT A
FACILITY SCHEDULE NO. 43**

Port Aransas

TERMINATED

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**EXHIBIT A
FACILITY SCHEDULE NO. 44**

Laguna

TERMINATED

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EXHIBIT A
FACILITY SCHEDULE NO. 45

1. **Name:** **Kenedy**

2. **Facility Location:** AEP's Kenedy Switching Station (the "AEP Station") is located in Karnes County at 3508 FM 719, Kenedy, Texas. There are two (2) Points of Interconnection at 1) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from Nordheim West Substation, and 2) AEP's dead-end structure that terminates LCRA TSC's 138 kV transmission line from Milton Substation. More specifically, the Points of Interconnection are where AEP's jumper conductors from the AEP Station equipment physically contact the connectors on LCRA TSC's 138 kV transmission line conductors.

3. **Delivery Voltage:** 138 kV

4. **Metered Voltage:** N/A

5. **Loss Adjustment Due To Meter Location:** N/A

6. **Normal Operation of Interconnection:** Closed

7. **One-Line Diagram Attached:** Yes

8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Station including all the facilities within it
 - ii. the jumper conductors from the AEP Station facilities to the connectors on LCRA TSC's 138 kV transmission line conductors
 - iii. AEP's dead-end structures that terminate LCRA TSC's 138 kV transmission lines into the AEP Station
 - iv. the transmission line relay protection panels and all associated equipment for the LCRA TSC 138 kV transmission lines
 - v. the remote terminal unit ("RTU")
 - vi. the RTU communications circuit from the AEP Station to AEP's control center
 - vii. any under-built distribution circuits attached to LCRA TSC's 138 kV transmission lines that terminate into the AEP Station
 - viii. the AEP Station property ground grid, gravel, fencing and other appurtenances

 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the insulators and hardware on AEP's dead-end structure that terminates LCRA TSC's 138 kV AEP Station to Milton Substation transmission line
 - ii. the insulators and hardware on AEP's dead-end structure that terminates LCRA TSC's 138 kV AEP Station to Nordheim West Substation transmission line

- iii. the following transmission lines comprised of structures easements, conductors, insulators, and connecting hardware:
 - a) the 138 kV AEP Station to Nordheim West Substation transmission line
 - b) the 138 kV AEP Station to Milton Substation transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

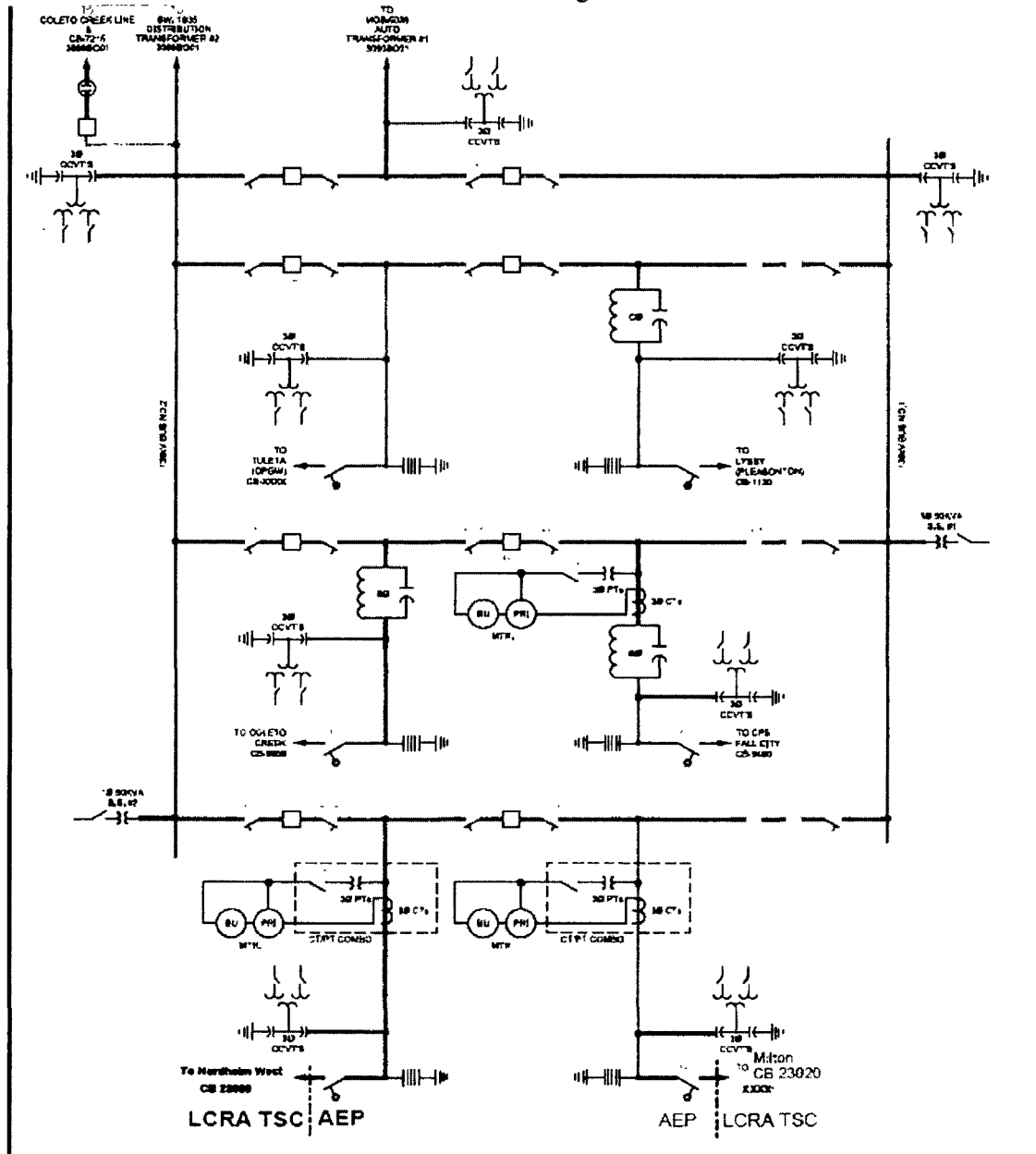
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 45 (continued)
One-Line Diagram



APP'D BY :	DR. BY :	CH. BY :	DATE :
		1 RIVERSIDE PLAZA COLUMBUS, OH 43215	Work Order #:
DWG. No.			REV

**EXHIBIT A
FACILITY SCHEDULE NO. 46**

1. **Name:** Runge
2. **Facility Location:** AEP's Runge Substation (the "AEP Substation") is located in Karnes County, off Highway 81, 1.2 miles south of Highway 72 in Runge, Texas. There are two (2) Points of Interconnection located at 1) the connector on the high-side of the 138 kV disconnect switch (7308), and 2) the connector on the high-side of the 138 kV disconnect switch (8108). More specifically, the Points of Interconnection are where LCRA TSC's jumper conductors from LCRA TSC's high-side bus equipment physically contact the connectors on AEP's 138 kV disconnect switches (7308 and 8108).
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all the facilities within it, except for those facilities owned by LCRA TSC below
 - ii. one (1) 138 kV circuit switcher with all associated material
 - iii. two (2) 138 kV disconnect switches (7308 and 8108)
 - iv. any under-built distribution circuits attached to the structures of LCRA TSC's 138 kV transmission lines that terminate into the AEP Substation
 - v. the remote terminal unit ("RTU")
 - vi. the RTU communications circuit from the AEP Substation to AEP's control center
 - vii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 138 kV transmission bus equipment, transmission line dead-end insulator strings and termination hardware
 - ii. two (2) 138 kV transmission line motor operated switches (MO25313 and MO25303)
 - iii. the jumper conductors from LCRA TSC's 138 kV transmission bus facilities to the connectors on AEP's 138 kV disconnect switches (7308 and 8108)
 - iv. the following transmission lines comprised of structures easements, conductors, insulators, and connecting hardware:

- a) the 138 kV AEP Substation to Kenedy Switching Station transmission line
- b) the 138 kV AEP Substation to Nordheim West Substation transmission line
- v. the motor operated switch/RTU/SIP control panel
- vi. the telecom panel
- vii. the RTU communications circuit from the AEP Substation to LCRA TSC's control center

9. Facility Operation Responsibilities of the Parties:

- A. Each Party will operate all the facilities it owns.
- B. AEP has authorization to operate LCRA TSC's 138 kV transmission line switches (MO25313 and MO25303) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

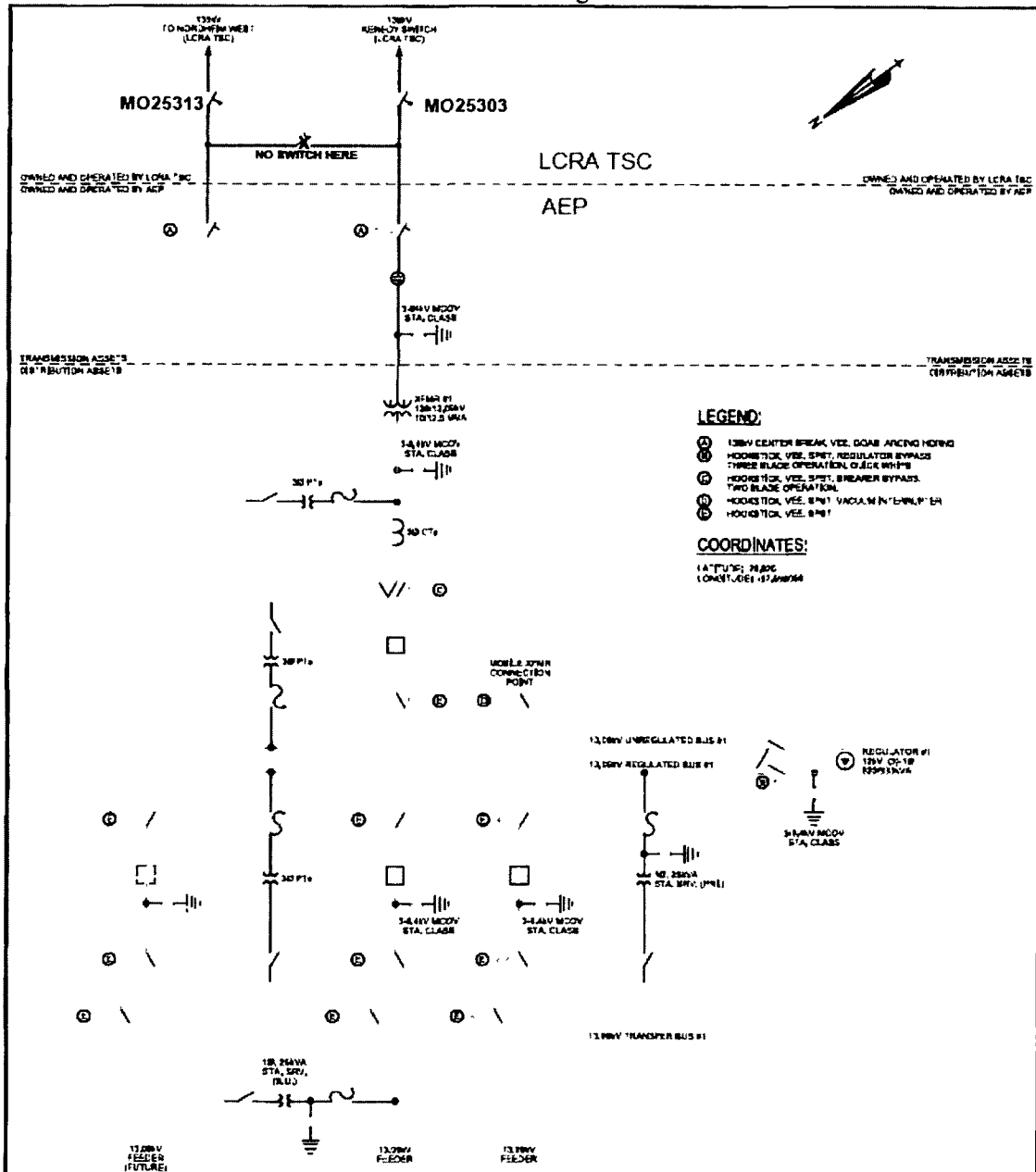
11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

- A. AEP shall allow LCRA TSC to install equipment and panels in AEP's control house.
- B. AEP shall provide LCRA TSC with 125 Vdc and 120 Vac as necessary for LCRA TSC's equipment.
- C. AEP and LCRA TSC are to share access to the AEP Substation by AEP and LCRA TSC locks in the gate and in the control house doors.
- D. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 46 (continued)
One-Line Diagram



APP'D BY :		DR. BY :		CH. BY :		DATE :	
		1 RIVERSIDE PLAZA COLUMBUS, OH 43215		Work Order #:		REV	
DWG. No.						REV	

EXHIBIT A
FACILITY SCHEDULE NO. 47

1. **Name:** Nordheim
2. **Facility Location:** AEP's Nordheim Substation (the "AEP Substation") is located in DeWitt County, off FM 239, two (2) miles south of Highway 72 in Nordheim, Texas. There are two (2) Points of Interconnection located at 1) the connector on the high-side of the 138 kV disconnect switch (1107), and 2) the connector on the high-side of the 138 kV disconnect switch (3843). More specifically, the Points of Interconnection are where LCRA TSC's jumper conductors from LCRA TSC's high-side bus equipment physically contact the connectors on AEP's 138 kV disconnect switches (1107 and 3843).
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all the facilities within it, except for those facilities owned by LCRA TSC below
 - ii. one (1) 138 kV circuit switcher with all associated material
 - iii. two (2) 138 kV disconnect switches (1107 and 3843)
 - iv. any under-built distribution circuits attached to the structures of LCRA TSC's 138 kV transmission lines that terminates into the AEP Substation
 - v. the remote terminal unit ("RTU")
 - vi. the RTU communications circuit from the AEP Substation to AEP's control center
 - vii. the AEP Substation property, ground grid, gravel, fence and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 138 kV transmission bus equipment, transmission lines, dead-end insulator strings and termination hardware
 - ii. the following facilities inside the AEP Substation:
 - a) two (2) 138 kV transmission line motor operated switches (MO25439 and MO25429)
 - b) the jumper conductors from the 138 kV transmission bus facilities to the connectors on AEP's 138 kV disconnect switches (1107 and 3843)
 - c) the motor operated switch/RTU/SIP control panel

- d) the telecom panel
 - e) the RTU communications circuit from the AEP Substation to the LCRA TSC control center
 - iii. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 138 kV AEP Substation to Nordheim West Substation transmission line
 - b) the 138 kV AEP Substation to FM 237 Yorktown Substation transmission line

9. Facility Operation Responsibilities of the Parties:

- A. Each Party will operate all the facilities it owns.
- B. AEP has authorization to operate LCRA TSC's 138 kV transmission line switches (MO25439 and MO25429) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

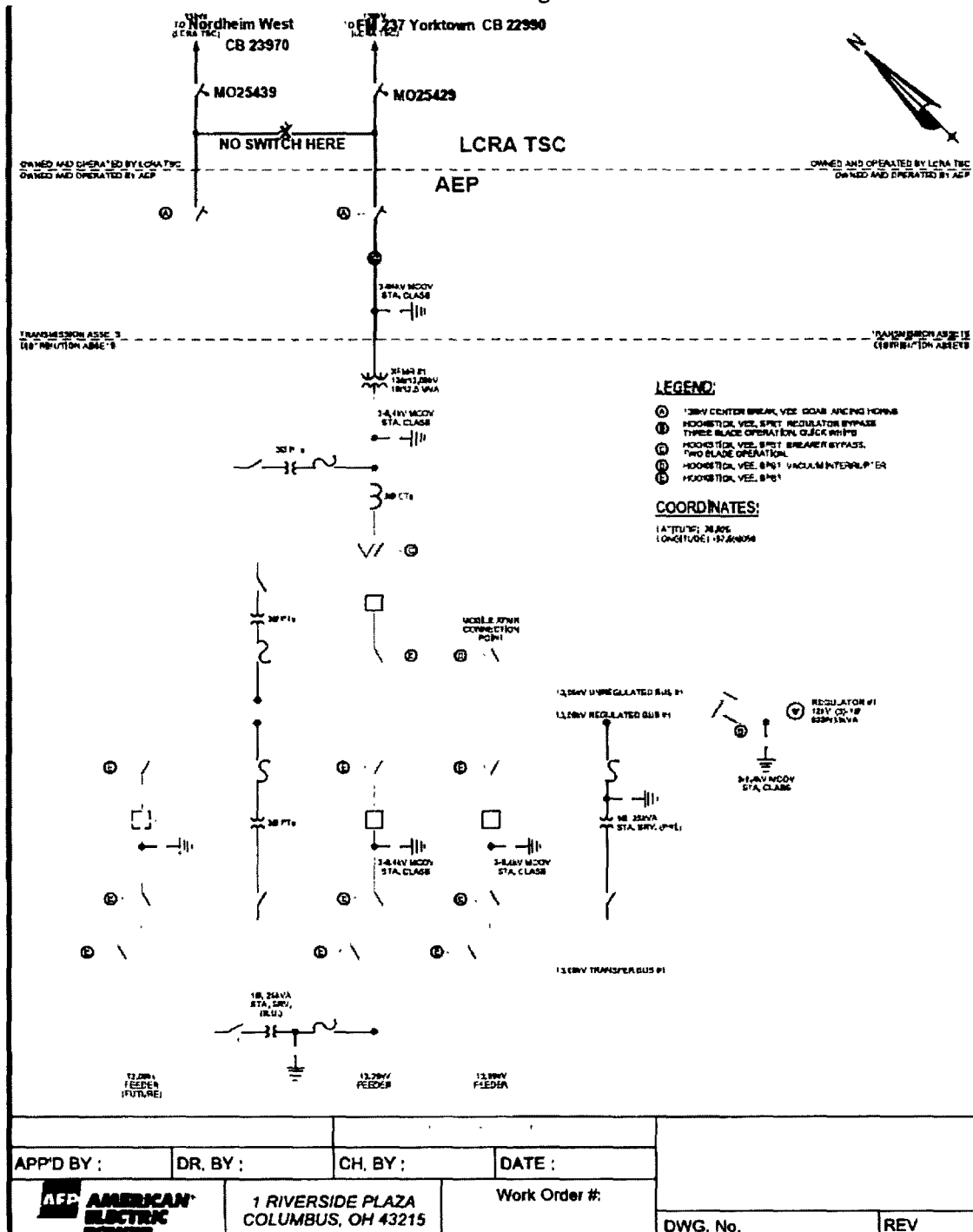
11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

- A. AEP will provide LCRA TSC access to 125 Vdc and 120 Vac as necessary for LCRA TSC's equipment.
- B. AEP will provide LCRA TSC with floor space (as available and as necessary) in its control house for the installation of LCRA TSC's required relay panel boards and equipment.
- C. AEP and LCRA TSC are to share access to the AEP Substation by AEP and LCRA TSC locks in the gate and in the control house doors.
- D. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 47 (continued)
One-Line Diagram



**EXHIBIT A
FACILITY SCHEDULE NO. 48**

1. **Name:** Yorktown
2. **Facility Location:** AEP's Yorktown Substation (the "AEP Substation") is located in DeWitt County, at 43 FM 240, Yorktown, Texas. There are two (2) Points of Interconnection located at 1) the connector on AEP's high-side 138 kV disconnect switch (9267), and 2) the connector on AEP's high-side 138 kV disconnect switch (2527). More specifically, the Points of Interconnection are where LCRA TSC's jumper conductors from LCRA TSC's 138 kV bus equipment physically attach to AEP's 138 kV high-side disconnect switches.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation and all the facilities within it, except those facilities owned by LCRA TSC below
 - ii. any under-built distribution circuits attached to the structures of LCRA TSC's 138 kV transmission lines that terminate into the AEP Substation
 - iii. the remote terminal unit ("RTU")
 - iv. the RTU communications circuit from the AEP Substation to AEP's control center
 - v. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - vi. the 12.5 kV meters and metering facilities within the AEP Substation
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 138 kV transmission line, dead-end insulator strings and termination hardware
 - ii. the following facilities inside the AEP Substation:
 - f) two (2) 138 kV A-frame dead-end structures with foundations
 - g) two (2) 138 kV transmission line motor operated switches (MO20669 and MO20679), with foundations, switch stands, interrupter and motor operators
 - h) 138 kV operating bus, including foundations, bus supports, conductors, insulators and termination hardware
 - i) the motor operated switch/RTU/SIP control panel

- j) the telecom panel
- k) the RTU communication circuit from the AEP Substation to the LCRA TSC control center
- iii. the following 138 kV transmission lines comprised of structures, easements, conductors, insulators, connecting hardware:
 - a) the 138 kV AEP Substation to Nordheim West Substation transmission line
 - b) the 138 kV AEP Substation to FM237 Yorktown Substation transmission line

9. Facility Operation Responsibilities of the Parties:

- A. Each Party will operate all the facilities it owns.
- B. AEP has authorization to operate LCRA TSC's 138 kV transmission line switches (MO20669 and MO20679) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

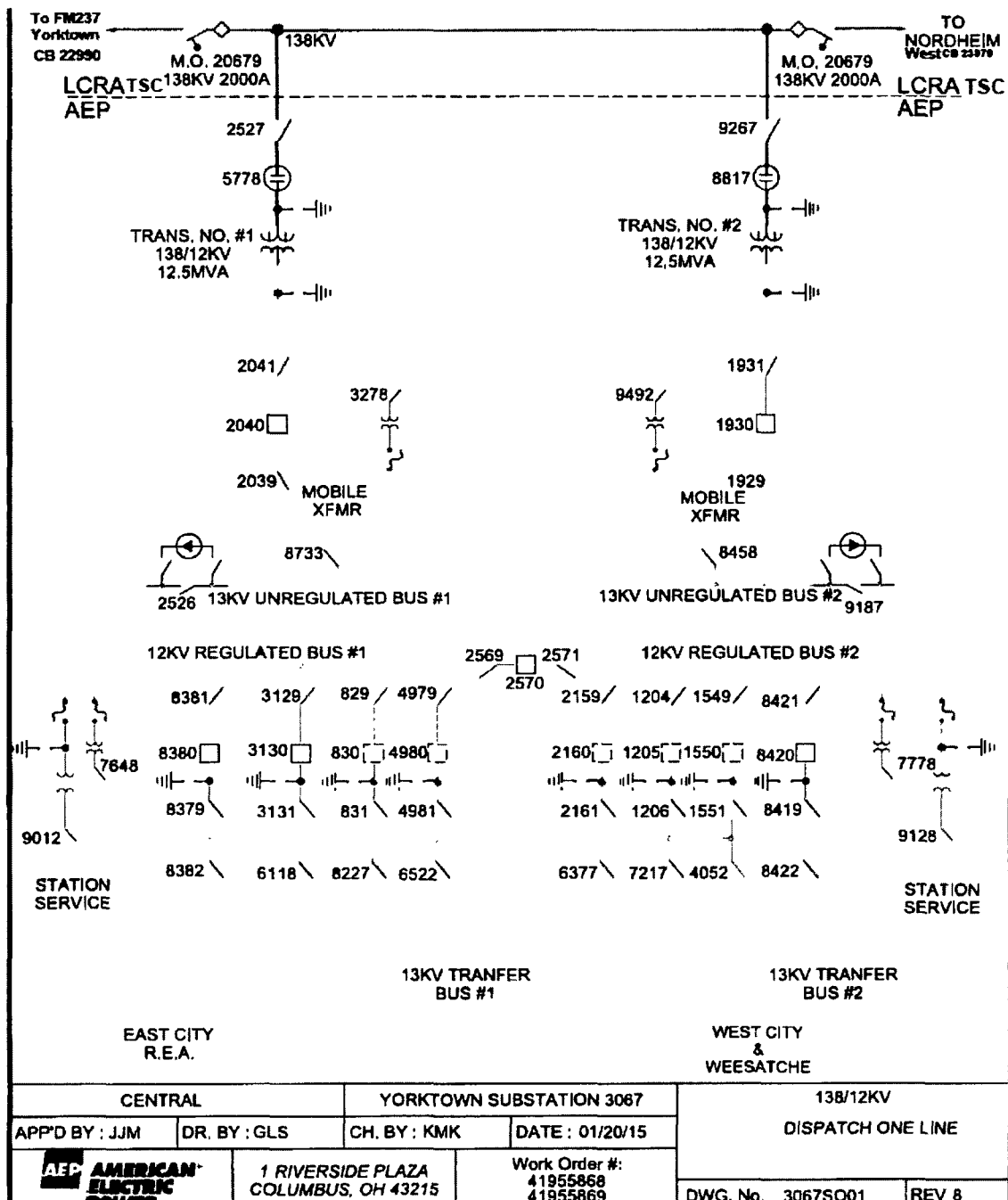
11. Estimated Peak Load: 11,000 kW

12. Other Terms and Conditions:

- A. AEP will provide LCRA TSC access to 125 Vdc and 120 Vac as necessary for LCRA TSC's equipment.
- B. AEP will provide LCRA TSC with floor space (as available and as necessary) in its control house for the installation of LCRA TSC's required relay panel boards and equipment.
- C. AEP and LCRA TSC are to share access to the AEP Substation by AEP and LCRA TSC locks in the gate and in the control house doors.
- D. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 48 (continued)
 One-Line Diagram



**EXHIBIT A
FACILITY SCHEDULE NO. 49**

1. **Name:** Hochheim
2. **Facility Location:** AEP's Hochheim Substation (the "AEP Substation") is located in DeWitt County, on Highway 183, approximately 11.4 miles north of Hospital Drive, Cuero, Texas. The Point of Interconnection is located where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV tap transmission line conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all the facilities within it
 - ii. the remote terminal unit ("RTU")
 - iii. the RTU communications circuit from the AEP Substation to AEP's control center
 - iv. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission line that terminates into the AEP Substation
 - v. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 69 kV transmission line dead-end insulator strings and termination hardware
 - ii. the 69 kV Cuero Substation to Luling City Substation transmission line comprised of structures, easements, switches, conductors, insulators, and connecting hardware
 - iii. two (2) 69 kV in-line switches (20549 and 20559) and any associated attachments
 - iv. the 69 kV transmission tap line from the tap (at Hochheim Tap), in the 69 kV Cuero Substation to Luling City Substation transmission line, to the AEP Substation
9. **Facility Operation Responsibilities of the Parties:**
 - A. Each Party will operate all the facilities it owns.
 - B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20549 and 20559) via three-way call with LCRA TSC's System Operations Control

Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

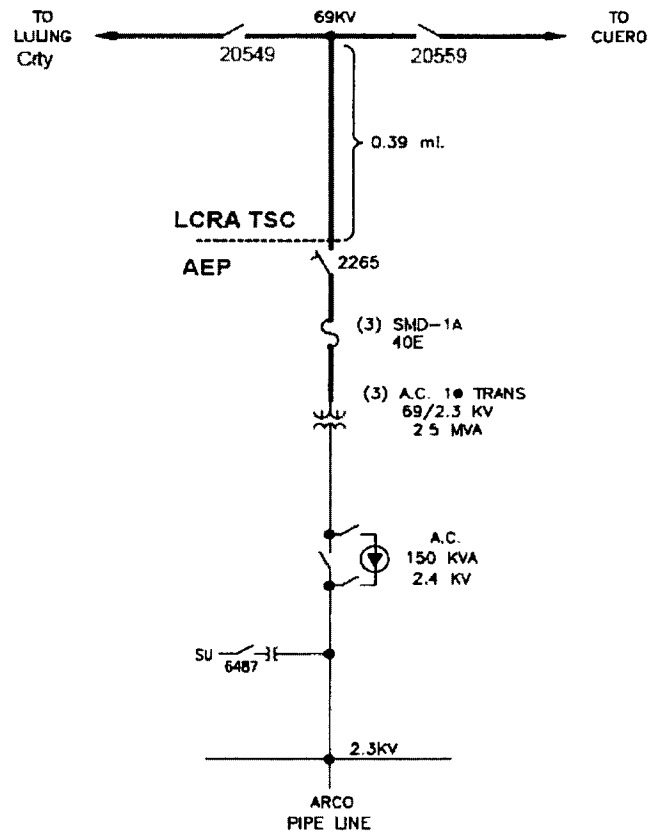
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 49 (continued)
One-Line Diagram



CENTRAL



HOCHHEIM SUBSTATION #3056

DRFT. RLC

ENG. BGB

APP.

DATE: 11/8/06

DWG NO. 3056S001

2

EXHIBIT A
FACILITY SCHEDULE NO. 50

1. **Name:** **Malone**
2. **Facility Location:** AEP's Malone Substation (the "AEP Substation") is located in Guadalupe County at 16 Darst Field Road, Luling, Texas. The Point of Interconnection is located at the top connectors on AEP's jumpers that connect LCRA TSC's 69 kV high bus to AEP's 69 kV low bus.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all the facilities within it, except for those facilities owned by LCRA TSC below
 - ii. the 69 kV low bus within the AEP Substation
 - iii. the jumpers to connect the 69 kV buses within the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission line that terminates into the AEP Substation
 - vii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 69 kV transmission line dead-end insulator strings and termination hardware
 - ii. the following facilities within the AEP Substation:
 - a) two (2) 69 kV transmission line switches (20439 and 20449)
 - b) the 69 kV high-bus, including conductors, insulators and termination hardware
 - c) jumpers from switches (20439 and 20449) to the lines and to the high-bus
 - iii. the following 69 kV transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Luling City Substation transmission line
 - b) the 69 kV AEP Substation to Deer Creek Substation transmission line
9. **Facility Operation Responsibilities of the Parties:**

A. Each Party will operate all the facilities it owns.

B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20439 and 20449) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

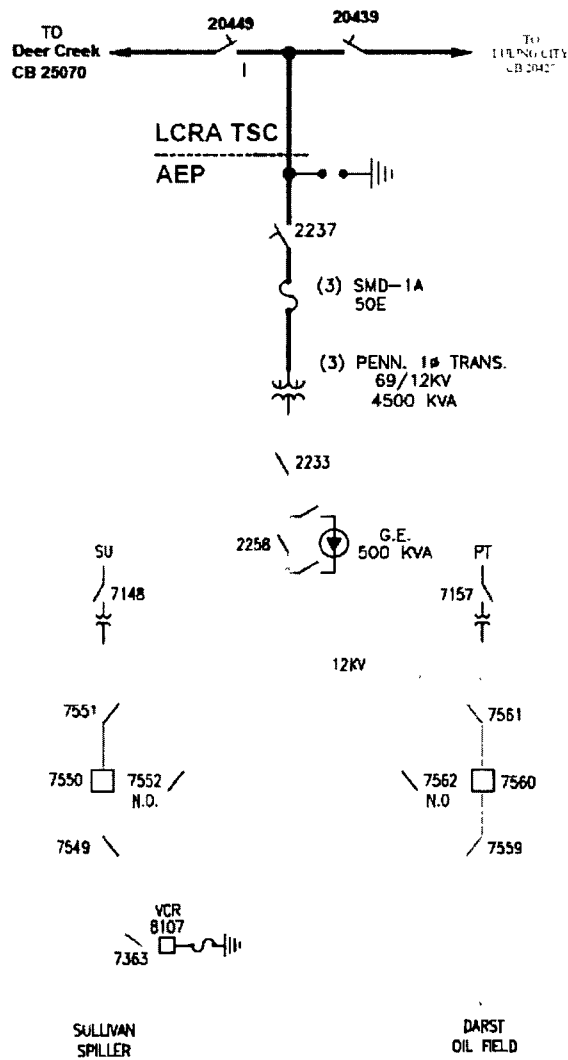
11. Estimated Peak Load: N/A


12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 50 (continued)
One-Line Diagram



CENTRAL					
MALONE SUBSTATION #3098					
DRFT. RLC	ENG. BGB	APP.	DATE: 9/19/06	DWG. NO. 3098S001	1

**EXHIBIT A
FACILITY SCHEDULE NO. 51**

1. **Name:** **Darst Creek**
2. **Facility Location:** AEP's Darst Creek Substation (the "AEP Substation") is located in Guadalupe County at 1001 Red Rock Road, Kingsbury, Texas. There are two (2) Points of Interconnection located at 1) the top connectors on AEP's jumpers that connect LCRA TSC's 69 kV high bus to AEP's 69 kV low bus for switch (2686), and 2) the top connectors on AEP's jumpers that connect LCRA TSC's 69 kV high bus to AEP's 69 kV low bus for switch (464). More specifically, the Points of Interconnection are located at the top connectors on AEP's jumpers that connect LCRA TSC's 69 kV high buses to AEP's 69 kV low buses.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all the facilities within it, except for those facilities owned by LCRA TSC below
 - ii. the 69 kV low buses
 - iii. the jumpers to the high buses within the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission lines that terminate into the AEP Substation
 - vii. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 69 kV transmission line dead-end insulator strings and termination hardware
 - ii. the following facilities within the AEP Substation:
 - a) two (2) 69 kV transmission line switches (20401 and 20411)
 - b) one (1) high-bus 69 kV sectionalizing switch (20403)
 - c) the 69 kV high-buses, including conductors, insulators and termination hardware
 - d) the jumpers from switches (20401 and 20411) to the lines and to the high-buses

- e) the jumpers from sectionalizing switch (20403) to the high-buses
- iii. the following 69 kV transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Luling City Substation transmission line
 - b) the 69 kV AEP Substation to Deer Creek Substation transmission line

9. Facility Operation Responsibilities of the Parties:

A. Each Party will operate all the facilities it owns.

B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20411, 20401 and 20403) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

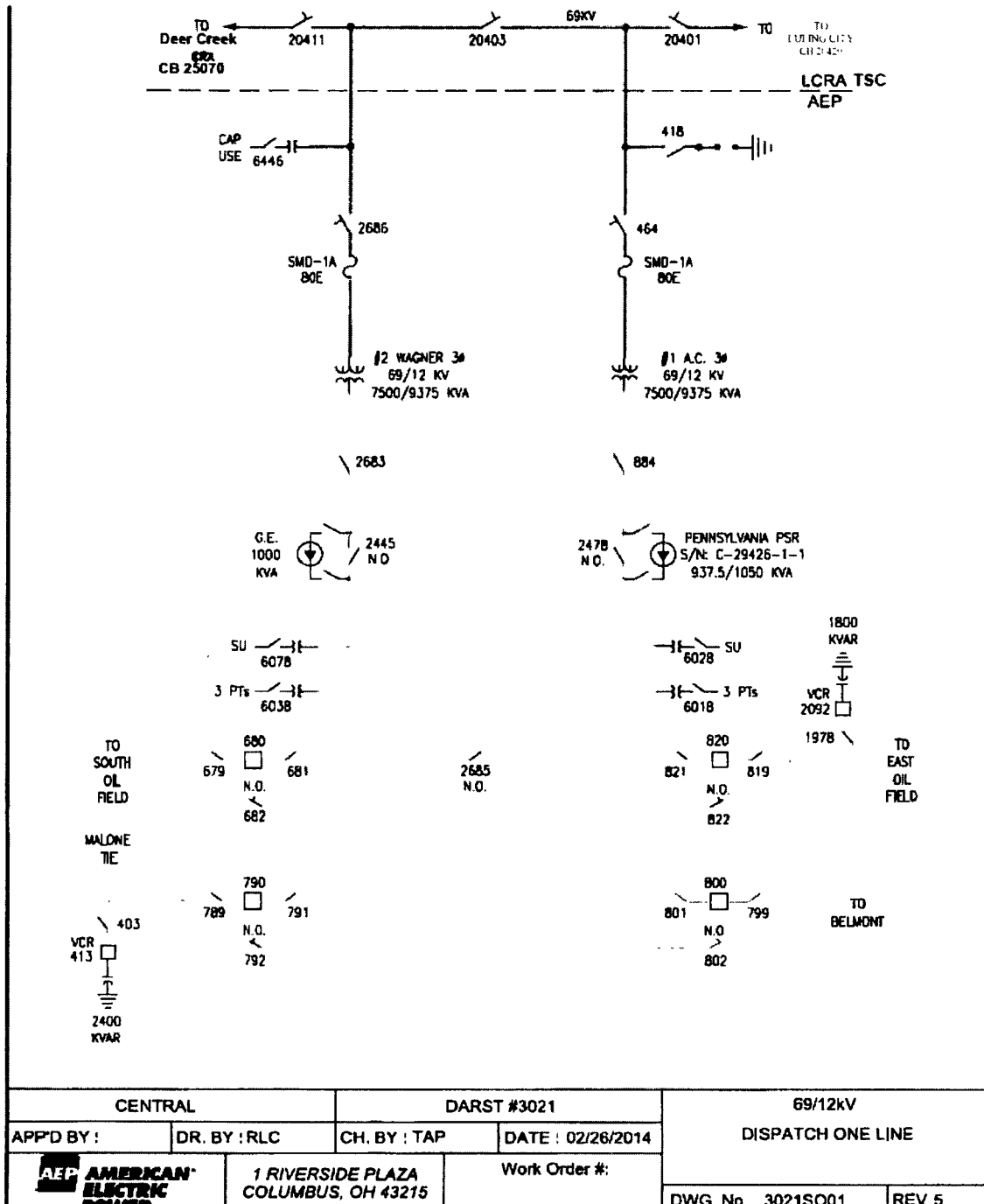
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 51 (continued)
One-Line Diagram



**EXHIBIT A
FACILITY SCHEDULE NO. 52**

1. **Name:** AEP Nixon
2. **Facility Location:** AEP's Nixon Substation (the "AEP Substation") is located in Gonzales County at 1739 County Road 173 (10th Street) Nixon, Texas. There are two (2) Points of Interconnection located at 1) the connection of LCRA TSC's jumpers from the 138 kV operating bus to AEP's switch (2677), and 2) the connection of LCRA TSC's jumpers from the 138 kV operating bus to AEP's switch (4243). More specifically, the Points of Interconnection are located at the connection of LCRA TSC's jumpers to AEP's 4 hole switch pads.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all the facilities within it, except for those facilities owned by LCRA TSC below
 - ii. the remote terminal unit ("RTU")
 - iii. the RTU communications circuit from the AEP Substation to AEP's control center
 - iv. any under-built distribution circuits attached to the structures of LCRA TSC's transmission lines that terminate into the AEP Substation
 - v. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. transmission lines dead-end insulator strings and termination hardware
 - ii. the following facilities inside the AEP Substation:
 - a) the 138 kV operating bus, including bus supports, conductors, insulators and termination hardware
 - b) one (1) 138 kV bus differential and breaker failure relaying package
 - c) one (1) 138 kV circuit breaker (25290), breaker foundation, protective relay package and associated 138 kV switches (25291, 25289 and 25293)
 - d) one (1) line relaying panel with local controls for circuit breaker (25290)
 - e) one (1) 138 kV circuit breaker (25280), breaker foundation, protective relay package and associated 138 kV switches (25281, 25279 and 25283)

- f) one (1) line relaying panel with local controls for circuit breaker (25280)
 - g) jumpers from the 138 kV operating bus to the Points of Interconnection at AEP switches (2677 and 4243)
 - h) two (2) 138 kV capacitive coupled voltage transformers (CCVT1 and CCVT2)
 - i) two (2) 138 kV surge arresters (SA1 and SA2)
 - j) associated jumpers, junction boxes, manifolds, conduits, cables, and ground straps
 - k) one (1) RTU panel with associated interface and communications
 - l) one (1) SIP/annunciator panel
 - m) one (1) telecom panel
 - n) the RTU communications circuit from the AEP Substation to AEP's control center
- iii. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
- a) the 138 kV AEP Substation to Milton Substation transmission line
 - b) the 138 kV AEP Substation to LCRA Nixon Substation transmission line

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

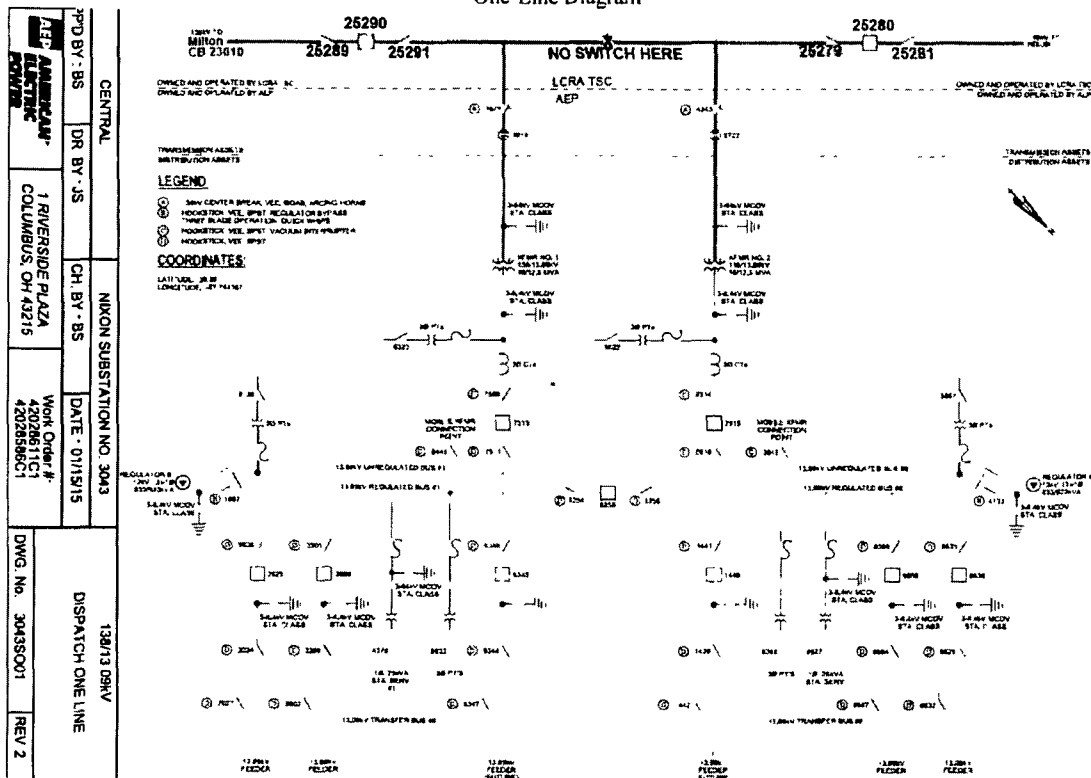
12. Other Terms and Conditions:

- A. LCRA TSC will provide AEP with dial-up access to the revenue quality meter at LCRA Nixon Substation for AEP net metering purposes.
- B. LCRA TSC will provide tripping and close inhibit contacts from LCRA TSC's 138 kV bus differential and breaker failure relaying panel to AEP's circuit switchers (5722 and 3018) relaying panels.
- C. AEP will provide breaker failure initiate contacts from AEP's 138 kV circuit switcher (5722 and 3018) relaying panels to LCRA TSC's 138 kV bus differential and breaker failure relaying panel.
- D. AEP will supply and provide relaying current transformers from AEP's power transformers (T1 and T2) for use by LCRA TSC in LCRA TSC's 138 kV bus differential relaying scheme.

- E. AEP will provide LCRA TSC access to 125 Vdc and 120 Vac as necessary for LCRA TSC's equipment.
- F. AEP will provide LCRA TSC with floor space (as available and as necessary) in its control house for the installation of LCRA TSC's required relay panel boards and equipment.
- G. AEP and LCRA TSC are to share access to the AEP Substation by AEP and LCRA TSC locks in the gate and in the control house doors.
- H. 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.

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One-Line Diagram



**EXHIBIT A
FACILITY SCHEDULE NO. 53**

1. **Name:** **Magnolia**
2. **Facility Location:** AEP's Magnolia Substation ("AEP Substation") (29° 00' 54.0" N, 97° 52' 00.0" W) is located approximately 0.5 mile from FM 2724, 4.6 miles north of the junction of FM 2724 and FM 81, in Karnes County, Texas. The Point of Interconnection is located where the AEP jumper conductors from the AEP Substation equipment physically contact the connectors on the approximate 5.7 mile LCRA TSC's Magnolia tap 138 kV transmission line conductors.
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all the facilities within it
 - ii. any under-built distribution circuits attached to the Magnolia tap 138 kV transmission line that terminate into the AEP Substation
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. transmission line dead-end insulator strings and termination hardware
 - ii. the following transmission lines comprised of structures, easements, switches, conductors, insulators, and connecting hardware:
 - a. the Kenedy to Milton 138 kV transmission line
 - b. approximately 5.7 miles of 138 kV transmission line from the Magnolia tap in the Kennedy to Milton 138 kV transmission line to the AEP Substation
 - iii. two (2) 138 kV in-line switches (21959 and 21949)
 - iv. one (1) 138 kV in-line tap switch (21954) and any associated attachments in LCRA TSC's Magnolia tap 138 kV transmission line
9. **Facility Operation Responsibilities of the Parties:**
 - A. Each Party will operate all the facilities it owns
 - B. AEP has authorization to operate LCRA TSC's 138 kV transmission line switches

21959, 21949 and 21954 via three-way call with LCRA TSC's System Operations Control Center

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 53 (continued)
One-Line Diagram

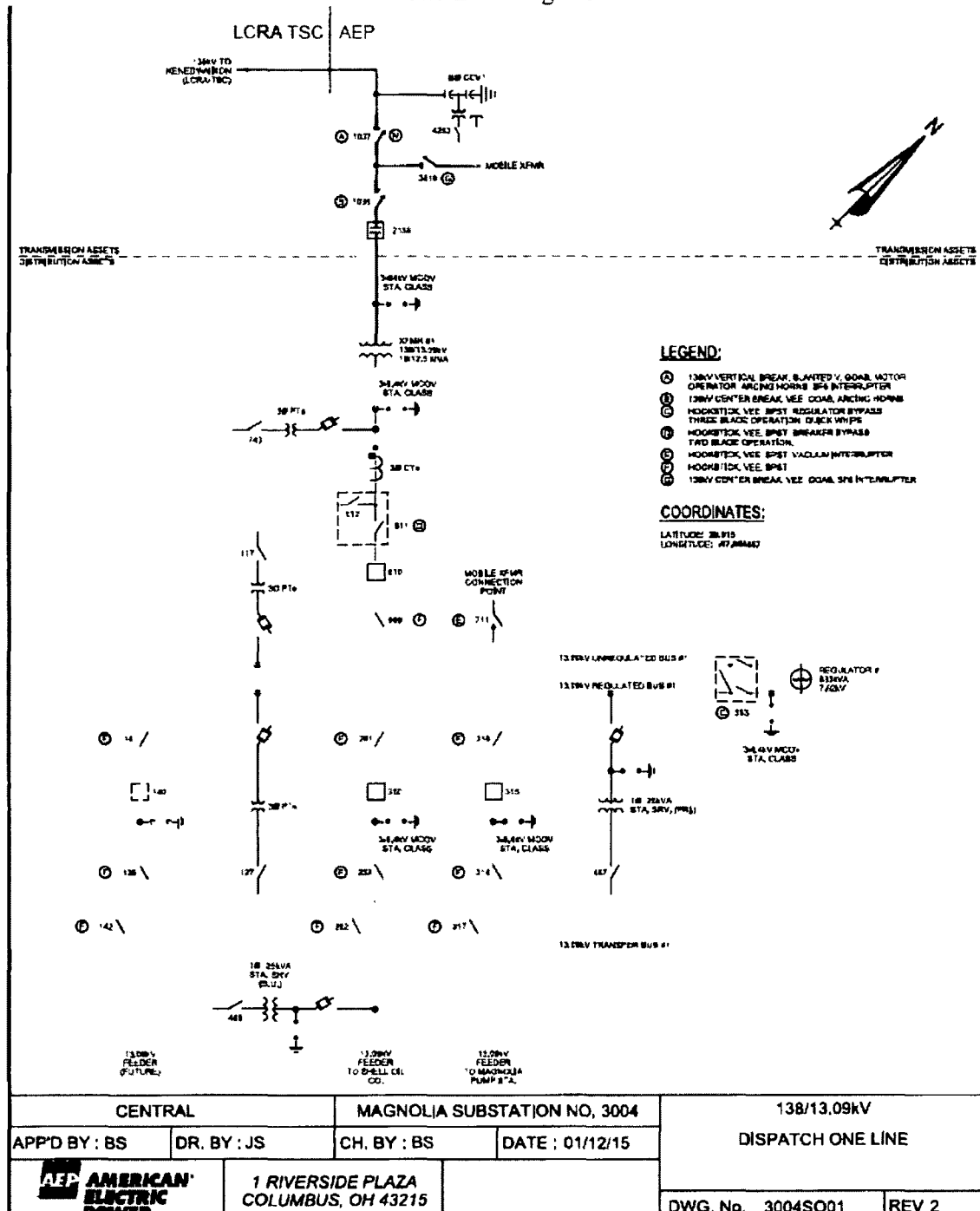


EXHIBIT A
FACILITY SCHEDULE NO. 54

1. **Name:** Columbus
2. **Facility Location:** AEP's Columbus Substation (the "AEP Substation") is located in Colorado County, at the intersection of Harbert and Live Oak in Columbus, Texas. There are two (2) Points of Interconnection located 1) where AEP's jumpers from AEP's 69 kV transformer switch (153) connect to LCRA TSC's 69 kV bus conductors, and 2) where AEP's jumpers from AEP's 69 kV transformer switch (2667) connect to LCRA TSC's 69 kV bus conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation and all other facilities within it, except for those facilities owned by LCRA TSC below
 - ii. two (2) 69 kV transformer switches (153 and 2667)
 - iii. the jumpers that connect to LCRA TSC's 69 kV bus conductors within the AEP Substation
 - iv. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission lines that terminate into the AEP Substation
 - v. the remote terminal unit ("RTU")
 - vi. the RTU communications circuit from the AEP Substation to AEP's control center
 - vii. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the transmission line dead-end insulator strings and termination hardware
 - ii. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Glidden Substation transmission line
 - b) the 69 kV AEP Substation to Altair Substation transmission line
 - iii. the following facilities within the AEP Substation:
 - a) two (2) 69 kV transmission line switches (MO20319 and MO20321) with local controls, associated interrupters and motor operators

- b) one (1) 69 kV bus sectionalizing switch (MO20323) with local controls, associated interrupters and motor operator for switch.
- c) two (2) 69 kV buses, both 69 kV high buses and 69 kV low-buses, including conductors, jumpers between buses, insulators and termination hardware
- d) the jumpers from transmission line switches (MO20319 and MO20321) to the lines and to the 69 kV high-buses
- e) the jumpers from sectionalizing switch (MO20323) to the 69 kV high-buses
- f) one (1) motor operated switch control panel LI
- g) one (1) telecom panel with radio and I Box remote terminal unit (RTU)
- h) the RTU communications circuit from the AEP Substation to AEP's control center

9. Facility Operation Responsibilities of the Parties:

- A. Each Party will operate all the facilities it owns.
- B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20319, 20323 and 20321) via three-way call with LCRA TSC's System Operations Control Center.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

- A. LCRA TSC will provide AEP with dial-up access to the revenue quality meter at the Glidden Substation for the 69 kV transmission line from Glidden Substation to Columbus Substation.
- 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 54 (continued)
One-Line Diagram

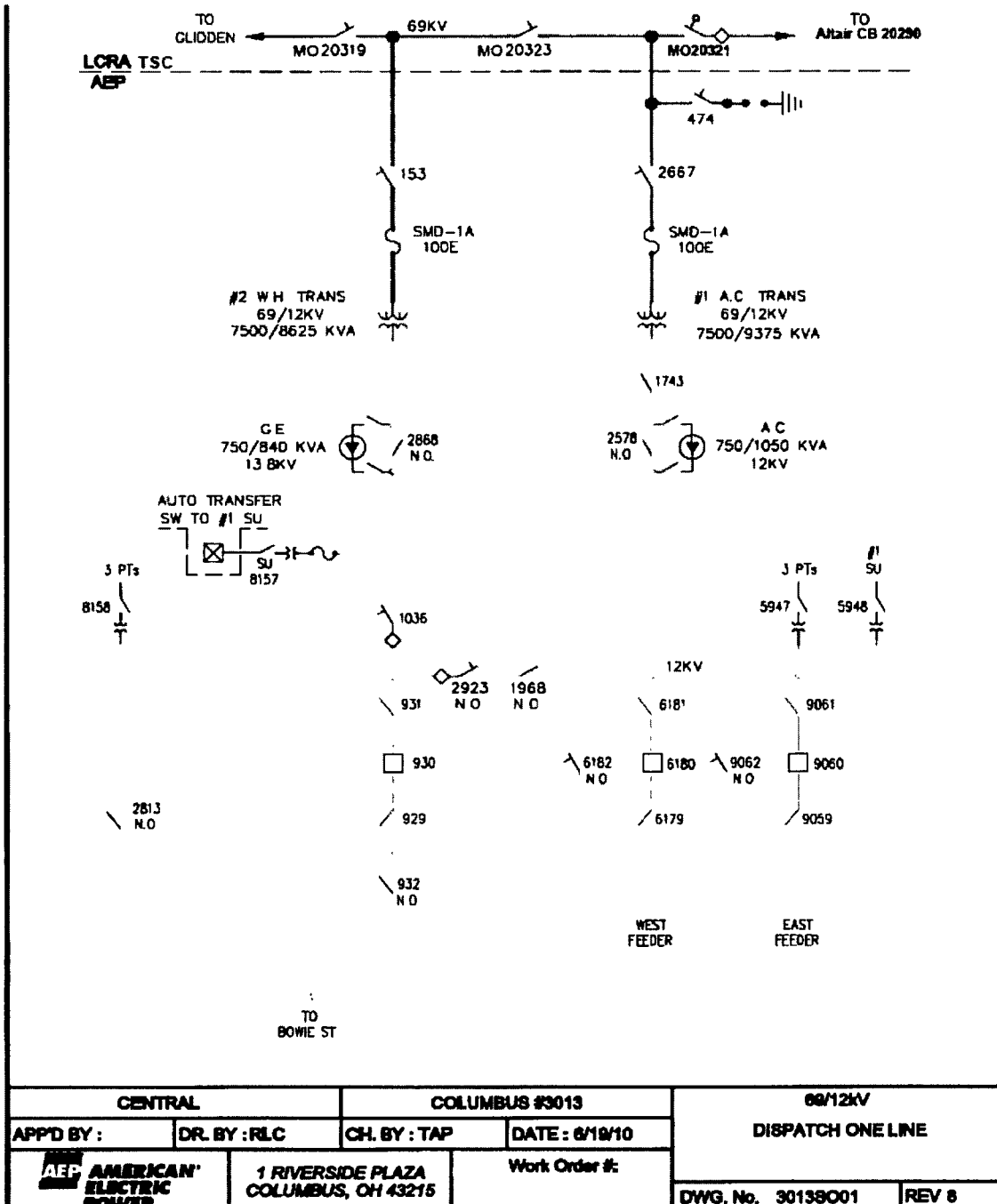


EXHIBIT A
FACILITY SCHEDULE NO. 55

1. **Name:** **Stafford Hill**
2. **Facility Location:** AEP's Stafford Hill Substation (the "AEP Substation") is located in Colorado County, approximately 3.5 miles south of Columbus, Texas, on Highway 71. The Point of Interconnection is located at the top connectors on AEP's jumpers that connect LCRA TSC's 69 kV high-side bus to AEP's 69 kV low-side bus.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it, except for those facilities owned by LCRA TSC below
 - ii. the 69 kV low-side bus within the AEP Substation
 - iii. the jumpers to LCRA TSC's high-side bus within the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission lines that terminate into the AEP Substation
 - vii. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. transmission line dead-end insulator strings and termination hardware
 - ii. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Glidden Substation transmission line
 - b) the 69 kV AEP Substation to Altair Substation transmission line
 - iii. the following facilities within the AEP Substation:
 - a) two (2) 69 kV transmission line switches (20659 and 20649)
 - b) 69 kV high-side bus, including conductors, insulators and termination hardware
 - c) jumpers from the two 69 kV transmission line switches (20659 and 20649) to the lines and to the high-side bus

9. Facility Operation Responsibilities of the Parties:

A. Each Party will operate all the facilities it owns.

B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20649 and 20659) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

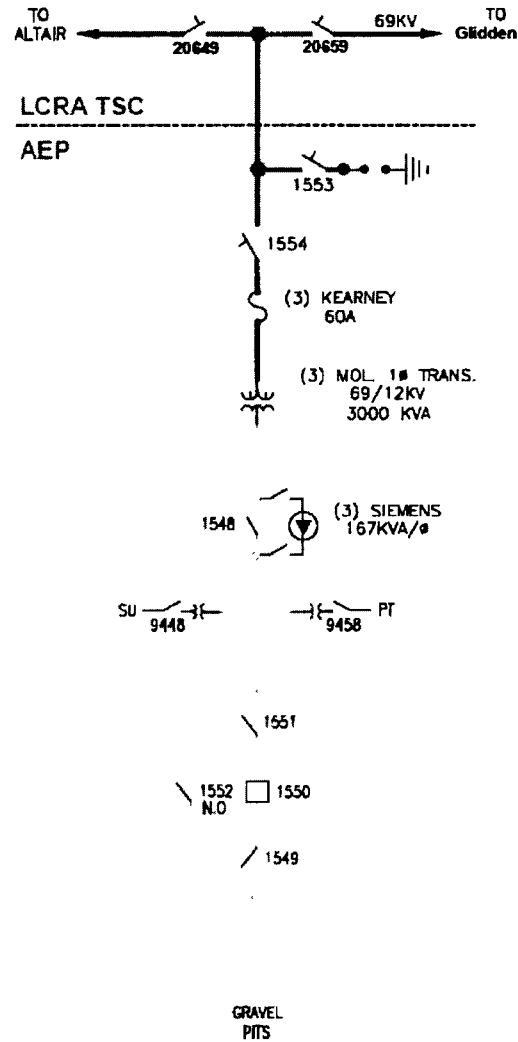
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 55 (continued)
One-Line Diagram



CENTRAL

STAFFORD HILL SUBSTATION NO. 3059

AEP AMERICAN ELECTRIC POWER

DRFT:RLC

ENG.

APP

DATE: 11/10/06

DWG. NO. 3059S001

REV 2

EXHIBIT A
FACILITY SCHEDULE NO. 56

1. **Name:** **Riverside Pump**
2. **Facility Location:** AEP's Riverside Pump Substation (the "AEP Substation") is located in Colorado County, approximately four (4) miles west of Eagle Lake, Texas. The Point of Interconnection is located where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV tap transmission line conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all the facilities within it
 - ii. the remote terminal unit ("RTU")
 - iii. the RTU communications circuit from the AEP Substation to AEP's control center
 - iv. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV Altair Substation to Eagle Lake Substation transmission line
 - v. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. transmission line dead-end insulator strings and termination hardware
 - ii. the following transmission line comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Eagle Lake Substation transmission line
 - iii. two (2) 69 kV transmission line switches (20619 and 20621) with associated interrupters at the Riverside Pump Tap
 - iv. one (1) 69 kV bus sectionalizing switch (20622) with associated interrupter at the Riverside Pump Tap
 - v. the 69 kV transmission tap line from the AEP Substation to the 69 kV Altair Substation to Eagle Lake Substation transmission line
 - vi. associated equipment, structures and jumpers
9. **Facility Operation Responsibilities of the Parties:**

A. Each Party will operate all the facilities it owns.

B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20619, 20621 and 20622) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

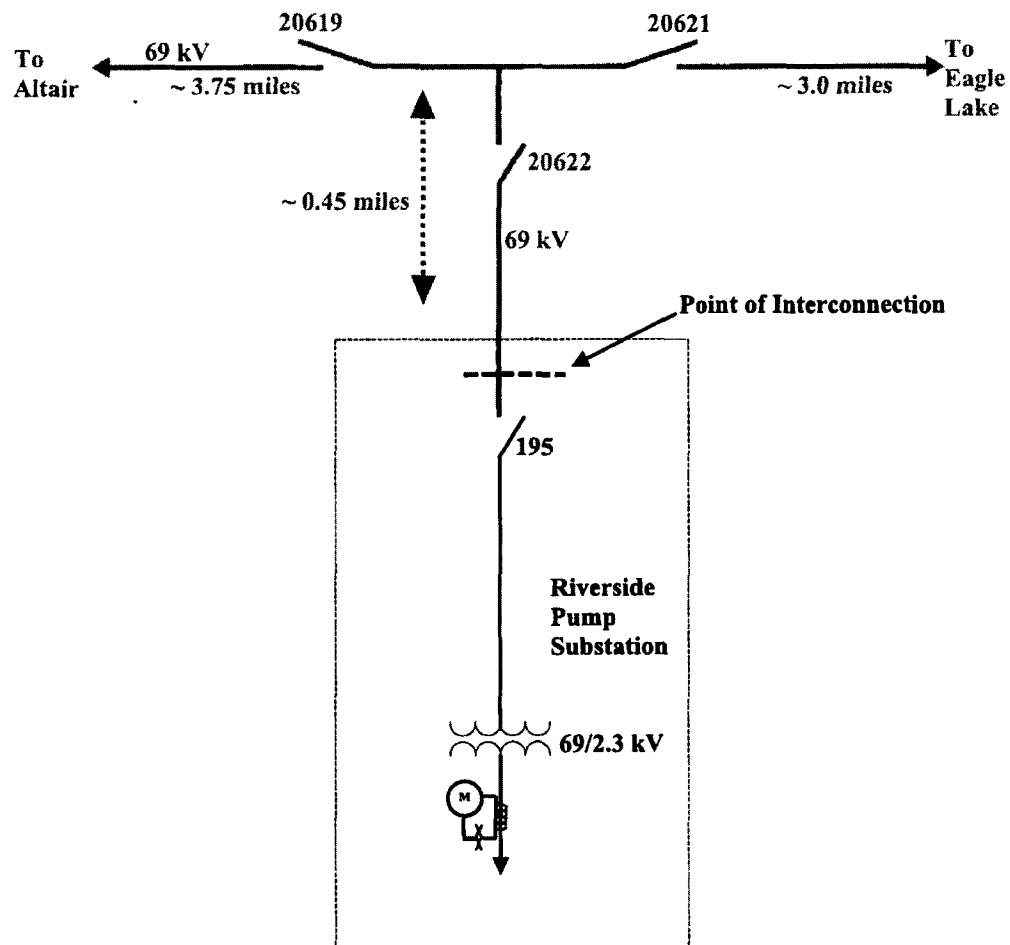
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 56 (continued)
One-Line Diagram



—— LCRA TSC
 —— AEP

Distances not to scale

**EXHIBIT A
FACILITY SCHEDULE NO. 57**

1. **Name:** **Prairie Pump**
2. **Facility Location:** AEP's Prairie Pump Substation (the "AEP Substation") is located in Colorado County, approximately 2.5 miles west of Eagle Lake, Texas, on Hwy 102. The Point of Interconnection is located where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV tap transmission line conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it
 - ii. the remote terminal unit ("RTU")
 - iii. the RTU communications circuit from the AEP Substation to AEP's control center
 - iv. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV tap transmission line that terminates into the AEP Substation
 - v. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the transmission line dead-end insulator strings and termination hardware
 - ii. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV Altair Substation to Eagle Lake Substation transmission line
 - b) the 69 kV transmission tap line from the AEP Substation to the 69 kV Altair Substation to Eagle Lake Substation transmission line
 - c) two (2) 69 kV transmission line switches (25621 and 25629) with associated interrupters at the Prairie Pump Tap
 - d) one (1) 69 kV bus sectionalizing switch (25626) with associated interrupter at the Prairie Pump Tap

9. Facility Operation Responsibilities of the Parties:

A. Each Party will operate all the facilities it owns.

B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (25621, 25626 and 25629) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

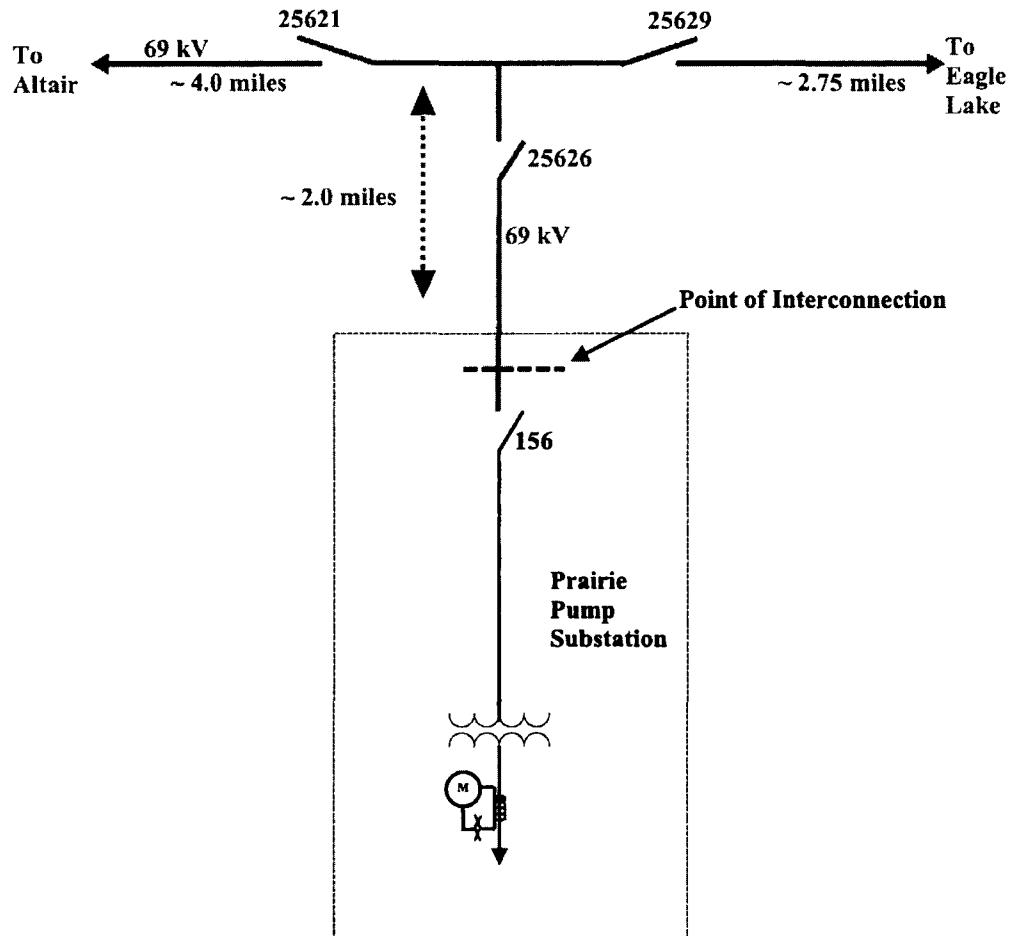
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 57 (continued)
One-Line Diagram



—— LCRA TSC
—— AEP

Distances not to scale

EXHIBIT A
FACILITY SCHEDULE NO. 58

1. **Name:** **Parker**
2. **Facility Location:** AEP's Parker Substation (the "AEP Substation") is located in Colorado County, approximately 2.4 miles south of Highway 90A on Calhoun Road in Eagle Lake, Texas. The Point of Interconnection is located where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV tap transmission line conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it
 - ii. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV tap transmission line that terminates into the AEP Substation
 - iii. the remote terminal unit ("RTU")
 - iv. the RTU communications circuit from the AEP Substation to AEP's control center
 - v. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the transmission line dead-end insulator strings and termination hardware
 - ii. the following transmission line comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV Altair Substation to Eagle Lake Substation transmission line
 - b) the 69 kV transmission tap line from the AEP Substation to the 69 kV Altair Substation to Eagle Lake Substation transmission line
 - iii. two (2) 69 kV transmission line switches (20611 and 20609) with associated interrupters at the Parker Tap
 - iv. one (1) 69 kV bus sectionalizing switch (20612) with associated interrupter the Parker Tap
 - v. associated equipment, structures and jumpers at LCRA TSC's 69 kV transmission tap

9. Facility Operation Responsibilities of the Parties:

A. Each Party will operate all the facilities it owns.

B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switch (20611, 20609 and 20612) via three-way call with LCRA TSC's System Operations Control Center

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

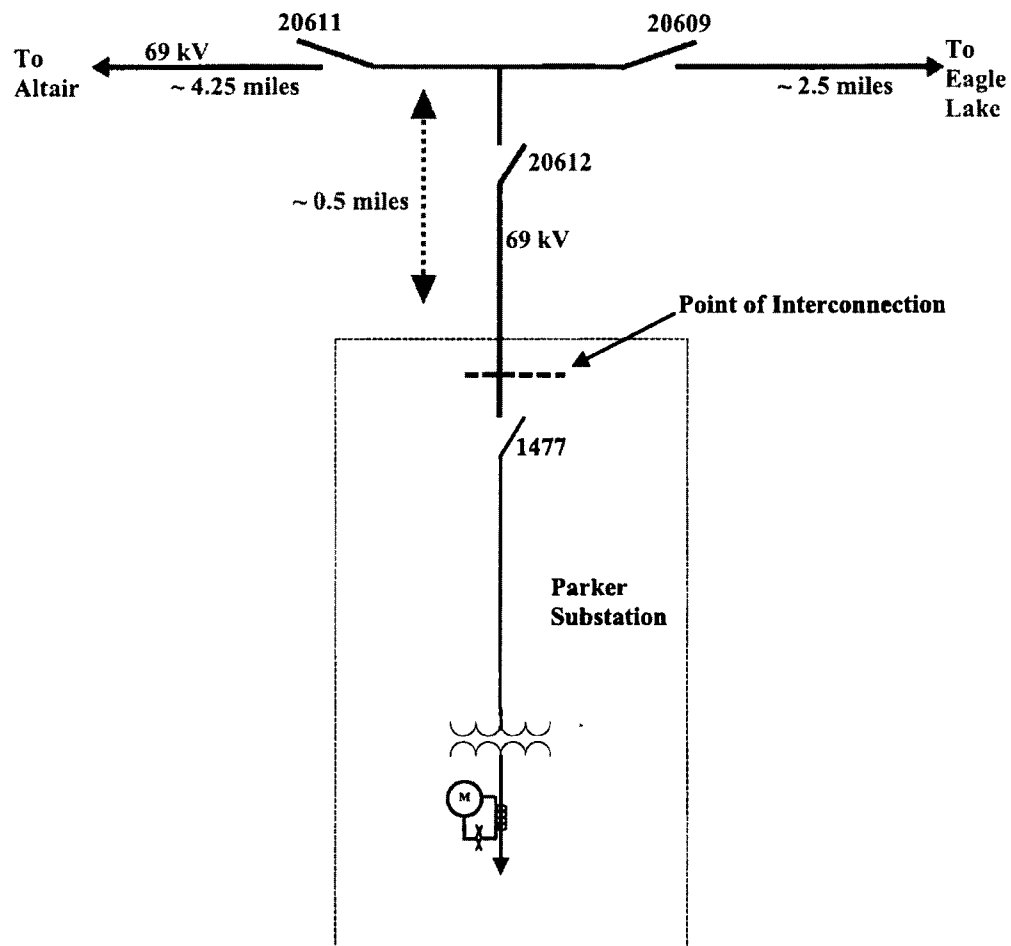
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 58 (continued)
One-Line Diagram



—— LCRA TSC
 —— AEP

Distances not to scale

**EXHIBIT A
FACILITY SCHEDULE NO. 59**

1. **Name:** Eagle Lake
2. **Facility Location:** AEP's Eagle Lake Substation (the "AEP Substation") is located in Colorado County, approximately 0.5 mile south of Highway 90A on FM 102, in Eagle Lake, Texas. There are two (2) Points of Interconnection located where 1) AEP's jumpers from AEP's 69 kV transformer switch (1127), connect to LCRA TSC's 69 kV bus conductors, and 2) AEP's jumpers from AEP's 69 kV transformer switch (8603), connect to LCRA TSC's 69 kV bus conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it, except for those facilities owned by LCRA TSC below
 - ii. two (2) 69 kV transformer switches (1127 and 8603) and jumpers that connect to the 69 kV bus conductors within the AEP Substation
 - iii. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission lines that terminate into the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. the AEP Substation property ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Altair Substation transmission line
 - b) the 69 kV AEP Substation to El Campo Substation transmission line
 - ii. the transmission lines dead-end insulator strings and termination hardware
 - iii. the 69 kV buses, including bus relaying (over current), conductors, insulators and termination hardware
 - iv. one (1) 69 kV circuit breaker (20490), breaker foundation, and associated 69 kV switches (20491, 20489, and 20493)

- v. one (1) line relaying panel with local controls for circuit breaker (20490)
- vi. the 69 kV circuit breaker (20500), breaker foundation, and associated 69 kV switches (20501, 20499 and 20503)
- vii. one (1) line relaying panel with local controls for circuit breaker (20500)
- viii. jumpers from the 69 kV switches to the lines, to the 69 kV circuit breakers and from the 69 kV circuit breakers to the 69 kV buses
- ix. three (3) 69 kV bus potential transformers (PT1), PT stands and foundations, fused disconnect switches and jumpers
- x. two (2) 69 kV surge arresters SA1 and SA2
- xi. associated jumpers, junction boxes, manifolds, conduits, cables and ground straps
- xii. one (1) RTU panel with associated interface and communications
- xiii. one (1) circuit breaker control and bus differential/breaker failure panel
- xiv. one (1) DC panelboard
- xv. the RTU communications circuit from the AEP Substation to LCRA TSC's control center

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

- A. AEP will provide LCRA TSC access to 125 Vdc and 120 Vac as necessary for LCRA TSC's equipment.
- B. AEP will provide LCRA TSC with floor space (as available and as necessary) in its control house for the installation of LCRA TSC's required relay panel boards and equipment.
- C. AEP and LCRA TSC are to share access to the AEP Substation by AEP and LCRA TSC locks in the gate and in the control house doors.
- D. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 59 (continued)
One-Line Diagram

**EXHIBIT A
FACILITY SCHEDULE NO. 60**

1. **Name:** **Lakeside Pump**
2. **Facility Location:** AEP's Lakeside Pump Substation (the "AEP Substation") is located in Colorado County, approximately 1.9 miles south of Eagle Lake, Texas, 3/10 mile east of FM 102. The Point of Interconnection is located where AEP's jumper, from AEP's 69 kV transformer switch (197), connects to LCRA TSC's 69 kV tap transmission line.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it
 - ii. the 69 kV transmission tap line surge arresters
 - iii. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission tap transmission line that terminates into the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 69 kV Eagle Lake Substation to El Campo Substation transmission line comprised of structures, easements, conductors, insulators, and connecting hardware
 - ii. the transmission line dead-end insulator strings and termination hardware
 - iii. the 69 kV tap transmission line from the AEP Substation to the 69 kV Eagle Lake Substation to El Campo Substation transmission line
9. **Facility Operation Responsibilities of the Parties:**

Each Party will operate all the facilities it owns.
10. **Facility Maintenance Responsibilities of the Parties:**

Each Party is responsible for the maintenance of the facilities it owns.

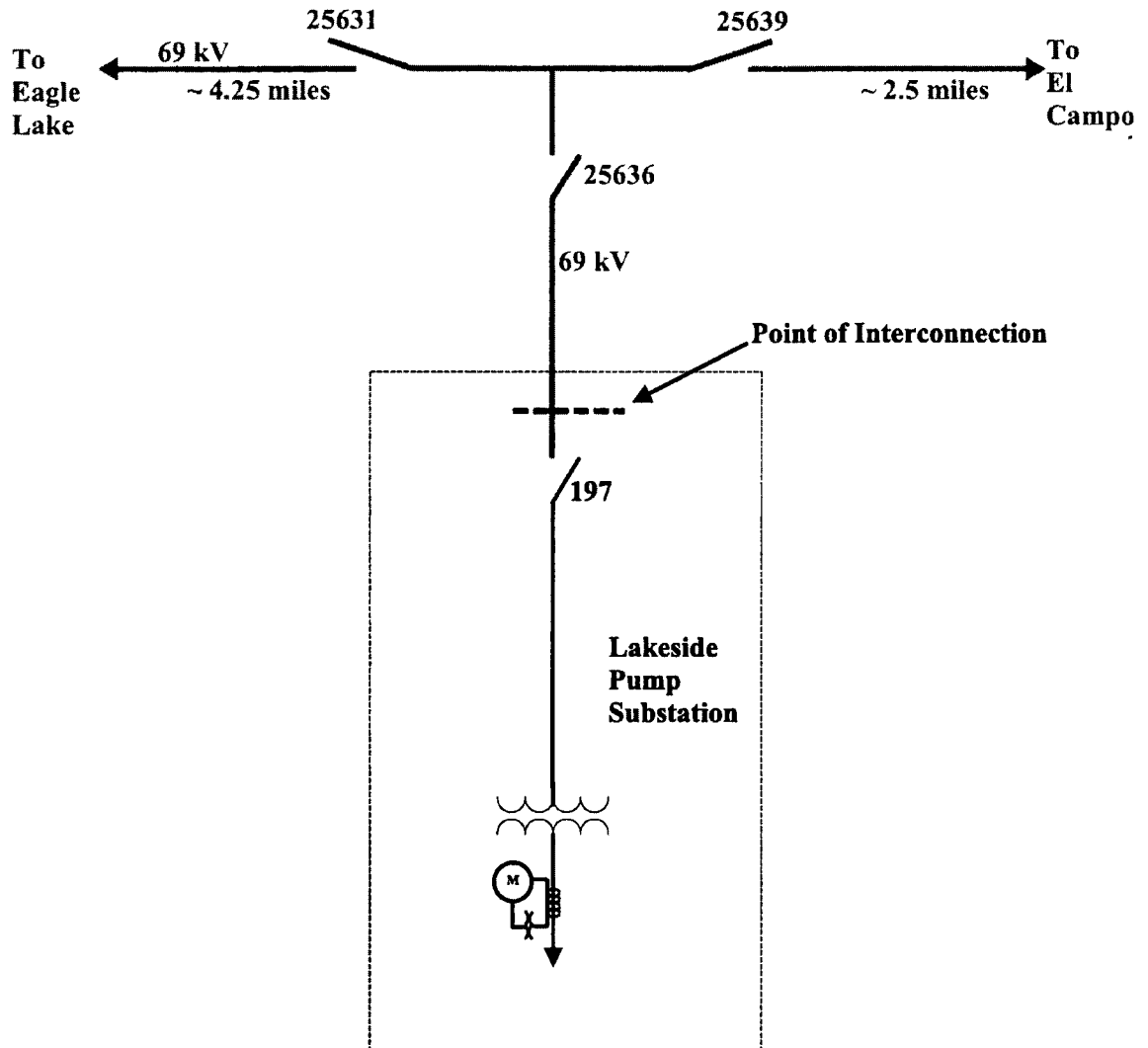
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 60 (continued)
One-Line Diagram



—— LCRA TSC
—— AEP

Distances not to scale

**EXHIBIT A
FACILITY SCHEDULE NO. 61**

1. **Name:** Matthews
2. **Facility Location:** AEP's Matthews Substation (the "AEP Substation") is located in Colorado County, approximately 2/10 mile south of Matthews, Texas, on FM 102. The Point of Interconnection is located where AEP's jumpers, from AEP's 69 kV transformer switch (6687), connect to LCRA TSC's 69 kV bus.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it, except for those facilities owned by LCRA TSC below
 - ii. one (1) 69 kV transformer switch (6687) and jumpers that connect to LCRA TSC's 69 kV bus conductors within the AEP Substation
 - iii. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission tap transmission line that terminates into the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Eagle Lake Substation transmission line
 - b) the 69 kV AEP Substation to El Campo Substation transmission line
 - ii. transmission line dead-end insulator strings and termination hardware
 - iii. two (2) 69 kV transmission line switches (20569 and 20579)
 - iv. two (2) 69 kV buses, both 69 kV high bus and 69 kV low bus, including conductors, jumpers between buses, insulators and termination hardware
 - v. jumpers from switches (20569 and 20579) to the lines and to the 69 kV bus
9. **Facility Operation Responsibilities of the Parties:**

A. Each Party will operate all the facilities it owns.

B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20569 and 20579) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

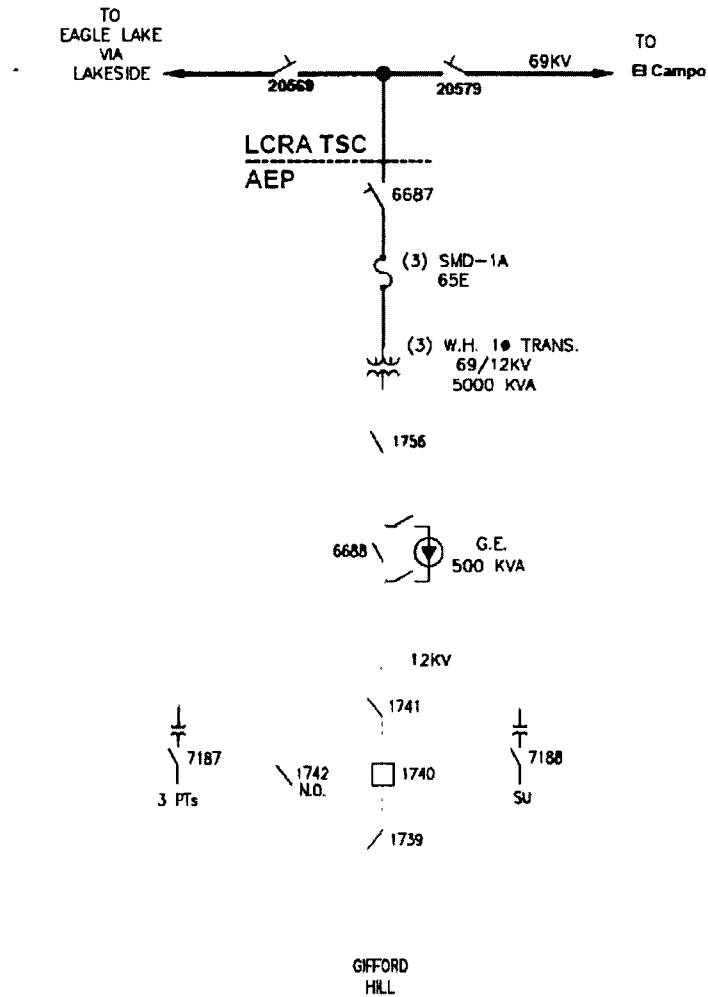
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 61 (continued)
One-Line Diagram



CENTRAL

AEP AMERICAN ELECTRIC POWER

MATTHEWS SUBSTATION NO. 3054

DRFT. <i>RLC</i>	ENG.	APP.	DATE: <i>11/9/06</i>	DWG. NO. <i>3054S001</i>	REV <i>2</i>
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**EXHIBIT A
FACILITY SCHEDULE NO. 62**

1. **Name:** Garwood Lone Star
2. **Facility Location:** AEP's Garwood Lone Star Substation (a/k/a Lone Star Cement) (the "AEP Substation") is located off of FM 2614 between the towns of Garwood and Matthews, Texas in Colorado County. The Point of Interconnection is located where AEP's jumper, from the 69 kV transformer switch (285), connects to LCRA TSC's 69 kV tap transmission line.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it
 - ii. the 69 kV transmission tap line surge arresters
 - iii. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission tap transmission line that terminates into the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities**
 - i. the 69 kV Eagle Lake Substation to El Campo Substation transmission line comprised of structures, easements, conductors, insulators, and connecting hardware
 - ii. the transmission line dead-end insulator strings and termination hardware at the AEP Substation
 - iii. approximately 4.1 miles of 69 kV transmission tap line, from the AEP Substation to the 69 kV Eagle Lake Substation to El Campo Substation transmission line, and associated 69 kV line switches (20539 and 20529) at the tap on the 69 kV Eagle Lake Substation to El Campo Substation transmission line
 - iv. the 69 kV transmission tap line switch (20532)
9. **Facility Operation Responsibilities of the Parties:**

A. Each Party will operate all the facilities it owns.

B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20529, 20532 and 20539) via three-way call with LCRA TSC's System Operations Control Center (SOCC).

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
SCHEDULE NO. 6
One-Line Diagram



**EXHIBIT A
FACILITY SCHEDULE NO. 63**

1. **Name:** Garwood City
2. **Facility Location:** AEP's Garwood City Substation (the "AEP Substation") is located in Colorado County, on the eastside of Labay St. and Mansfield St in Garwood. The Point of Interconnection is located at the top connectors of AEP's jumpers that connect LCRA TSC's 69 kV high bus to AEP's 69 kV low bus.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it, except for those facilities owned by LCRA TSC below
 - ii. the 69 kV low bus and jumpers to high bus within the AEP Substation
 - iii. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission lines that terminate into the AEP Substation
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Eagle Lake Substation transmission line
 - b) the 69 kV AEP Substation to El Campo Substation transmission line
 - ii. the transmission line dead-end insulator strings and termination hardware
 - iii. two (2) 69 kV transmission line motor operated switches (MO20509 and MO20519)
 - iv. the 69 kV high bus, including conductors, insulators and termination hardware
 - v. the jumpers from the 69 kV transmission line motor operated switches (MO20519 and MO20509) to the lines and to the high bus
 - vi. one (1) 69 kV line potential transformer and foundation
 - vii. one (1) outdoor mounted MOS20519 control/RTU cabinet

- viii. one (1) outdoor mounted MOS20509 control cabinet
- ix. the RTU communications circuit from the AEP Substation to LCRA TSC's control center

9. Facility Operation Responsibilities of the Parties:

- A. Each Party will operate all the facilities it owns.
- B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20519 and 20509) via three-way call with LCRA TSC's System Operations Control Center (SOCC).

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

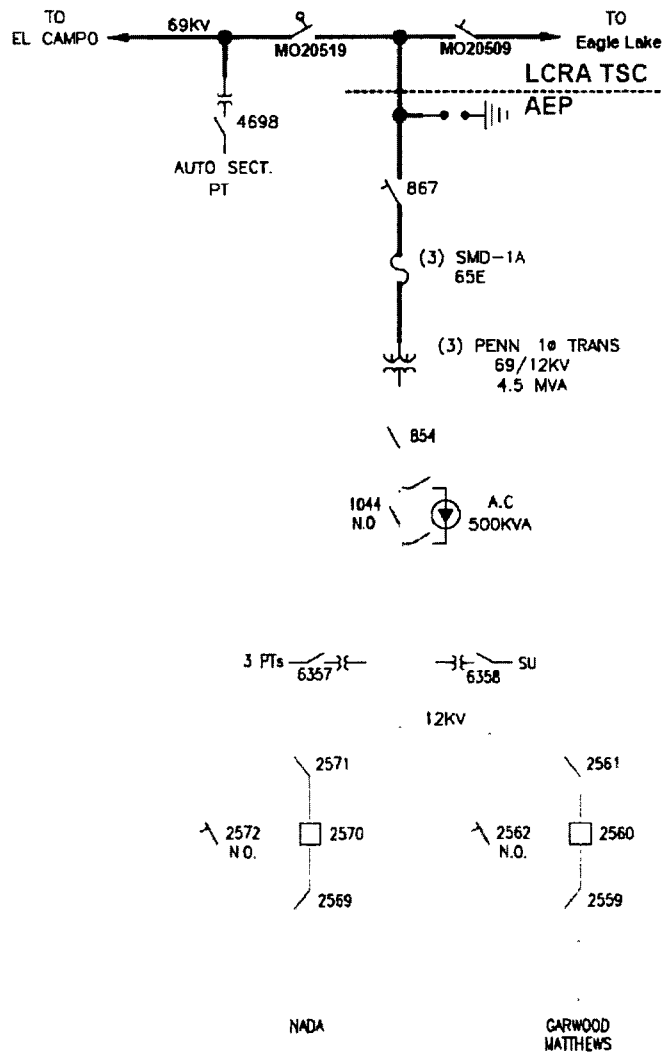
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 63 (continued)
One-Line Diagram



CENTRAL

AEP AMERICAN ELECTRIC POWER

GARWOOD CITY SUB NO. 3069 - 69/12kV

DRFT. RLC	ENG.	APP.	DATE: 11/6/06	DWG. NO. 3069S001	REV 3
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EXHIBIT A
FACILITY SCHEDULE NO. 64

1. **Name:** **El Campo**
2. **Facility Location:** AEP's El Campo Substation (the "AEP Substation") is located at 506 Marion Street in El Campo, Texas in Wharton County. There are two (2) Points of Interconnection at the AEP Substation: 1) at the termination of LCRA TSC's 69 kV transmission line from Eagle Lake Substation; and 2) at the termination of LCRA TSC's 138 kV transmission line from Ricebird Substation. More specifically, the Points of Interconnection are located at the point where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV and 138 kV transmission line conductors.
3. **Delivery Voltage:** 69 kV and 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all the facilities within it, except for those facilities owned by LCRA TSC below
 - ii. one (1) 138 kV bay within the AEP Substation for LCRA TSC's 138 kV Ricebird Substation to the AEP Substation transmission line, including 138 kV breaker (1620) and associated relay panels
 - iii. the jumper conductors from the AEP Substation facilities to the connectors on LCRA TSC's 69 kV and 138 kV transmission line conductors
 - iv. the dead-end structures that terminate all LCRA TSC's transmission lines into the AEP Substation
 - v. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission line that terminates into the AEP Substation
 - vi. the metering and metering facilities
 - vii. one (1) 69 kV bay within the AEP Substation for LCRA TSC's 69 kV Eagle Lake Substation to the AEP Substation transmission line, including 69 kV breaker (630) and associated relay panels
 - viii. the remote terminal unit ("RTU")
 - ix. the RTU communications circuit from the AEP Substation to AEP's control center
 - x. the AEP Substation property, ground grid, gravel, fencing and other appurtenances

B. LCRA TSC agrees that it owns the following facilities:

- i. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Eagle Lake Substation transmission line
 - b) the 138 kV AEP Substation to Ricebird Substation transmission line
- ii. the insulators and hardware on the dead-end structures that terminate LCRA TSC's 69 kV transmission line from Eagle Lake Substation
- iii. the insulators and hardware on the dead-end structures that terminate LCRA TSC's 138 kV transmission line from Ricebird Substation

9. Facility Operation Responsibilities of the Parties:

A. Each Party will operate all the facilities it owns.

B. 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:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

A. LCRA TSC may use separate locks in the gate and in the control house doors.

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.

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EXHIBIT A
FACILITY SCHEDULE NO. 64 (continued)
One-Line Diagram

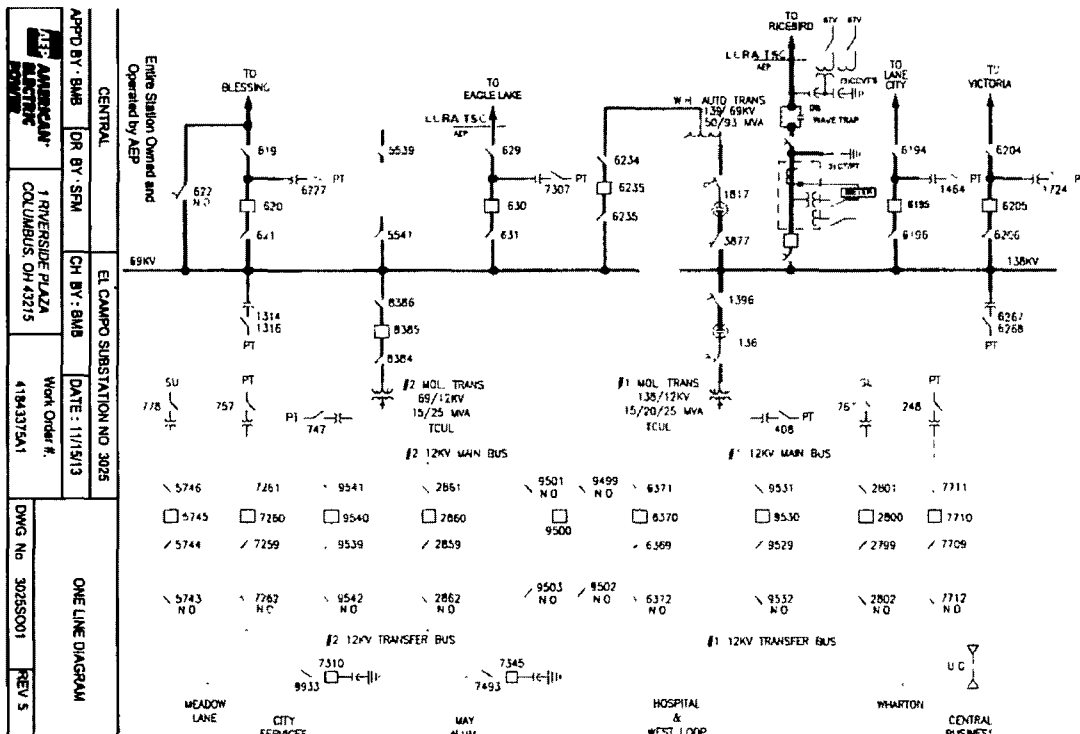


EXHIBIT A
FACILITY SCHEDULE NO. 65

1. **Name:** **B&B Gravel**
2. **Facility Location:** AEP's B&B Gravel Substation (the "AEP Substation") is located in Colorado County at 6747 State Hwy 71, Garwood, Texas. The Point of Interconnection is located where the top connectors on AEP's transformer switch (3927) connects to LCRA TSC's 69 kV jumpers.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it, except for those facilities owned by LCRA TSC below
 - ii. the following equipment on the H-frame structure owned by LCRA TSC:
 - a) one (1) 69 kV transformer switch (3927) and associated mounting hardware
 - b) the 69 kV arresters and associated mounting hardware
 - c) the 69 kV fuses and associated mounting hardware
 - iii. the remote terminal unit ("RTU")
 - iv. the RTU communications circuit from the AEP Substation to AEP's control center
 - v. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission lines that terminate into the AEP Substation
 - vi. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the following transmission lines comprised of structures, easements, conductors, insulators, and connecting hardware:
 - a) the 69 kV AEP Substation to Altair Substation transmission line
 - b) the 69 kV AEP Substation to Garwood Pump Substation transmission line
 - ii. the transmission line wood H-frame structure, including equipment mounting cross arms, for the 69 kV line switch (20391)
 - iii. the transmission line dead-end insulator string and termination hardware
 - iv. one (1) 69 kV sectionalizing switch (20391)
 - v. jumpers from switch (20391) to the 69 kV transmission line and to switch (3927)

9. Facility Operation Responsibilities of the Parties:

A. Each Party will operate all the facilities it owns.

B. AEP has authorization to operate LCRA TSC's 69 kV transmission line switches (20391) via three-way call with LCRA TSC's System Operations Control Center (SOCC)

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

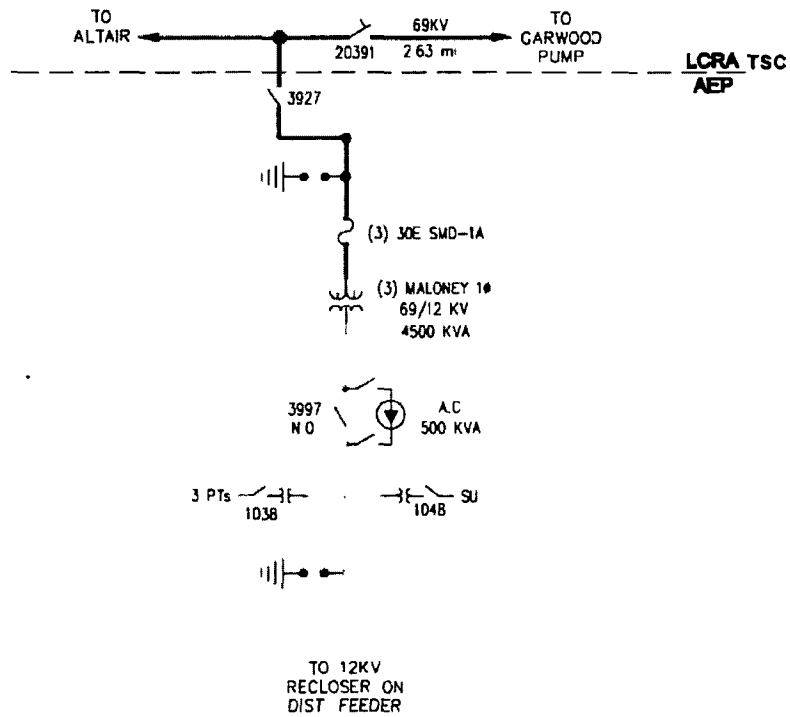
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 65 (continued)
One-Line Diagram



CENTRAL		B & B GRAVEL #3066		69/12KV	
APP'D BY :	DR. BY : RLC	CH. BY : TAP	DATE : 6/19/10	DISPATCH ONE LINE	
AEP AMERICAN ELECTRIC		1 RIVERSIDE PLAZA COLUMBUS, OH 43215		Work Order #:	
				DWG. No. 3066SO01	REV 4

**EXHIBIT A
FACILITY SCHEDULE NO. 66**

1. **Name:** **Garwood Pump**
2. **Facility Location:** AEP's Garwood Pump Substation (the "AEP Substation") is located in Colorado County, approximately 4.9 miles north of Garwood, Texas on Highway 71 and east on canal for 1.7 miles. The Point of Interconnection is located at the termination of LCRA TSC's 69 kV transmission line from Altair Substation where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV transmission line conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it, except for those facilities owned by LCRA TSC below
 - ii. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission line that terminates into the AEP Substation
 - iii. the remote terminal unit ("RTU")
 - iv. the RTU communications circuit from the AEP Substation to AEP's control center
 - v. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 69 kV AEP Substation to Altair Substation transmission line comprised of structures, easements, conductors, insulators, and connecting hardware
 - ii. insulators and hardware on the structures that terminate the transmission line onto the AEP Substation structure
9. **Facility Operation Responsibilities of the Parties:**

Each Party will operate all the facilities it owns.
10. **Facility Maintenance Responsibilities of the Parties:**

Each Party is responsible for the maintenance of the facilities it owns.

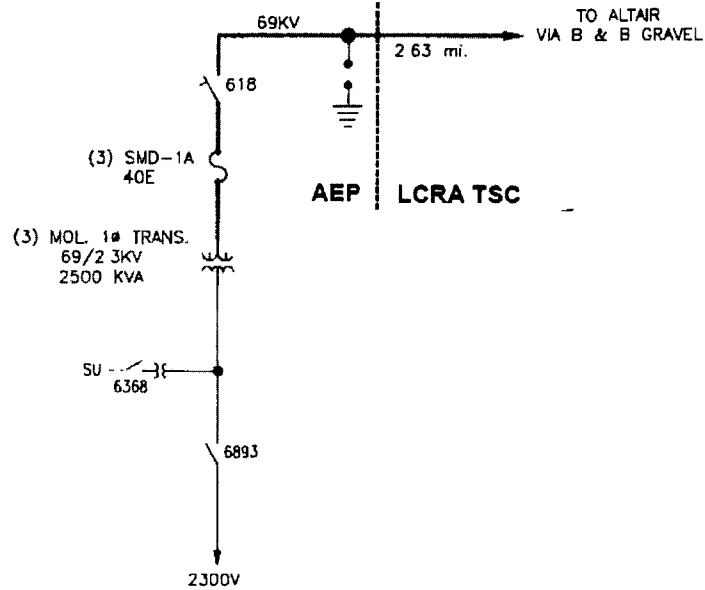
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 66 (continued)
One-Line Diagram



CENTRAL

**AEP AMERICAN
ELECTRIC
POWER**

GARWOOD PUMP SUB. #3030 - 69/2.4KV

DRFT. RLC

ENG.

APP.

DATE: 11/7/06

DWG NO. 3030S001

REV 2

**EXHIBIT A
FACILITY SCHEDULE NO. 67**

1. **Name:** **Ideal Cement**
2. **Facility Location:** AEP's Ideal Cement Substation (a/k/a Garwood Ideal) (the "AEP Substation"), is located north of Garwood, Texas in Colorado County. (From Garwood, go north 4.1 miles on Highway 71, turn west, travel 1.7 miles, turn left and travel 2.1 miles.) The Point of Interconnection is located where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV Altair Substation to Ideal Cement Substation transmission line.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it, except for those facilities owned by LCRA TSC below
 - ii. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission line that terminates into the AEP Substation
 - iii. the remote terminal unit ("RTU")
 - iv. the RTU communications circuit from the AEP Substation to AEP's control center
 - v. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 69 kV Altair Substation to Ideal Cement Substation transmission line comprised of structures, easements, conductors, insulators, and connecting hardware:
 - ii. insulators and hardware on AEP's dead-end structure that terminates LCRA TSC's 69 kV transmission line onto the AEP Substation
9. **Facility Operation Responsibilities of the Parties:**

Each Party will operate all the facilities it owns.
10. **Facility Maintenance Responsibilities of the Parties:**

Each Party is responsible for the maintenance of the facilities it owns.

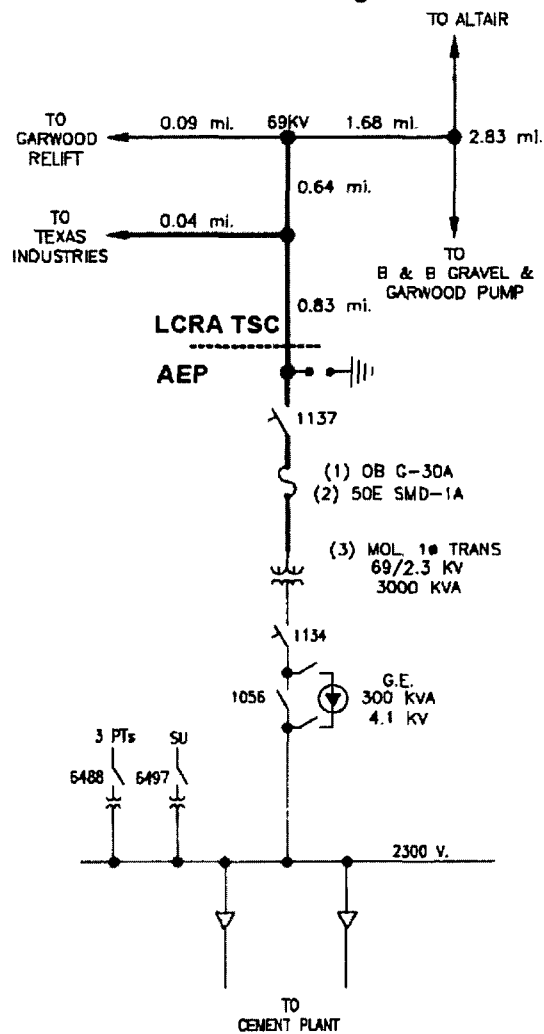
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 67 (continued)
One-Line Diagram



CENTRAL

AEP AMERICAN
ELECTRIC
POWER

GARWOOD IDEAL CEMENT SUB. #3060

DRFT. RLC

ENG.

APP.

DATE: 11/9/06

DWG. NO. 3060S001

C/PAGE 2

**EXHIBIT A
FACILITY SCHEDULE NO. 68**

1. **Name:** Garwood Pump Relift
2. **Facility Location:** AEP's Garwood Pump Relift Substation (the "AEP Substation") is located north of Garwood, Texas in Colorado County. (From Garwood travel north 4.2 miles on Highway 71, turn west, travel 1.7 miles, turn right on gravel road and travel 1.3 miles). The Point of Interconnection is located at the termination of LCRA TSC's 69 kV transmission line that is tapped off of the 69 kV Altair Substation to Garwood Pump Relift Substation transmission line where AEP's jumper conductors from the AEP Substation equipment physically contact the connectors on LCRA TSC's 69 kV transmission line conductors.
3. **Delivery Voltage:** 69 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facility Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation including all facilities within it, except for those facilities owned by LCRA TSC below
 - ii. any under-built distribution circuits attached to the structures of LCRA TSC's 69 kV transmission line that terminates into the AEP Substation
 - iii. the jumpers from the AEP Substation to LCRA TSC's 69 kV transmission line
 - iv. the remote terminal unit ("RTU")
 - v. the RTU communications circuit from the AEP Substation to AEP's control center
 - vi. the AEP Substation property, ground grid, gravel, fencing and other appurtenances
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 69 kV Garwood Pump Relift Substation to Altair Substation transmission line comprised of structures, easements, conductors, insulators, and connecting hardware:
 - ii. insulators and hardware on AEP's dead-end structures that terminate the 69 kV transmission tap line into the AEP Substation
9. **Facility Operation Responsibilities of the Parties:**

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

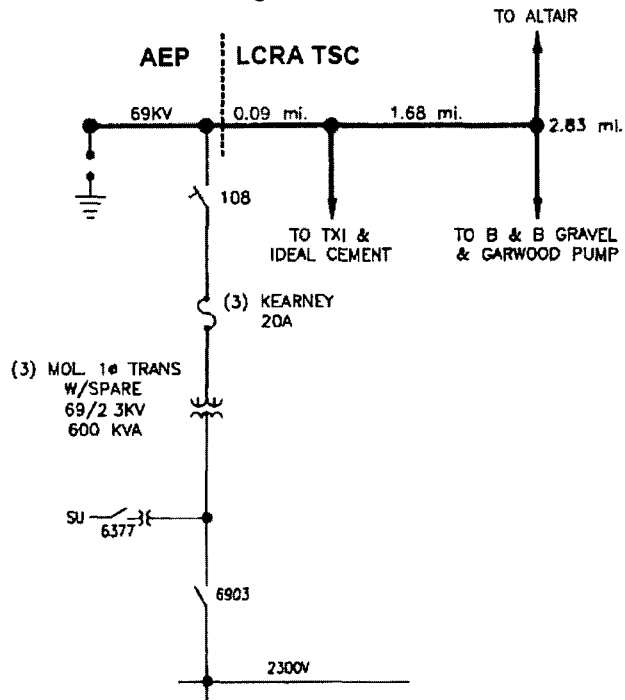
11. Estimated Peak Load: N/A

12. 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.

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EXHIBIT A
FACILITY SCHEDULE NO. 68 (continued)
One-Line Diagram



CENTRAL

AEP AMERICAN ELECTRIC POWER

GARWOOD RELIFT SUB. #3031 - 69/2.4KV

DRFT. RLC

ENG.

APP.

DATE: 11/7/06

DWG. NO 3031S001

REV 2

**EXHIBIT A
FACILITY SCHEDULE NO. 69**

1. **Name:** Mockingbird
2. **Facility Location:** AEP's Mockingbird Substation (the "AEP Substation") is located in Colorado County, at 315 Radio Lane, Columbus, Texas, (29° 42' 03.80" N, 96° 34' 25.82" W), approximately 0.35 miles north of LCRA TSC's Glidden Substation. There are two (2) Points of Interconnection located at both AEP high-side 138 kV disconnect switches (1148 and 1078). 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 (1148 and 1078).
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facilities Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation and all the facilities within it, except those owned by LCRA TSC below
 - ii. one (1) 138 kV circuit switcher (1077)
 - iii. two (2) 138 kV disconnect switches (1148 and 1078) and all associated material
 - iv. the 138/12.5 kV distribution transformer
 - v. three (3) distribution regulators
 - vi. three (3) distribution circuit breakers with relays
 - vii. one (1) totalize breaker on low-side of distribution transformer
 - viii. the 12.5 kV distribution facilities
 - ix. the control house with AEP's station service and 125 Vdc station batteries
 - x. 12.5 kV meters and metering facilities
 - xi. the AEP Substation property (3 acres), ground grid, gravel, fencing and other appurtenances
 - xii. one (1) remote terminal unit ("RTU")
 - xiii. the RTU communications circuit from the AEP Substation to AEP's control center
 - B. **LCRA TSC agrees that it owns the following facilities:**
 - i. the 138 kV Glidden to Fayetteville transmission line (T-176) comprised of structures, easements, conductors, insulators, and connecting hardware

- ii. the 138 kV transmission facilities within the AEP Substation consisting of the following:
 - a) two (2) 138 kV A-frames and foundations
 - b) one (1) 138 kV bus
 - c) two (2) 138 kV switches (24899 and 24909) with motor operators
 - d) two (2) 138 kV interrupters
 - e) jumpers from LCRA TSC's 138 kV bus to AEP's 138 kV disconnect switches (1148 and 1078)
 - f) one (1) annunciator/MOS/PT panel
 - g) one (1) RTU panel
 - h) one (1) SIP panel
 - i) one (1) telecom panel
 - j) the RTU communications circuit from the AEP Substation to LCRA TSC's control center
 - k) the fiber between Glidden Substation and the AEP Substation
 - l) associated fiber facilities (facility entry, patch panel and splice box)

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: 7,500 kW

12. Other Terms and Conditions:

- A. AEP shall allow LCRA TSC to install equipment and panels in AEP's control house.
- B. AEP shall provide LCRA TSC with 125 Vdc and 120 Vac as necessary for LCRA TSC's equipment.
- C. AEP will permit LCRA TSC its own separate locks in the AEP Substation gate.
- D. 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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EXHIBIT A
FACILITY SCHEDULE NO. 69 (continued)
One-Line Diagram

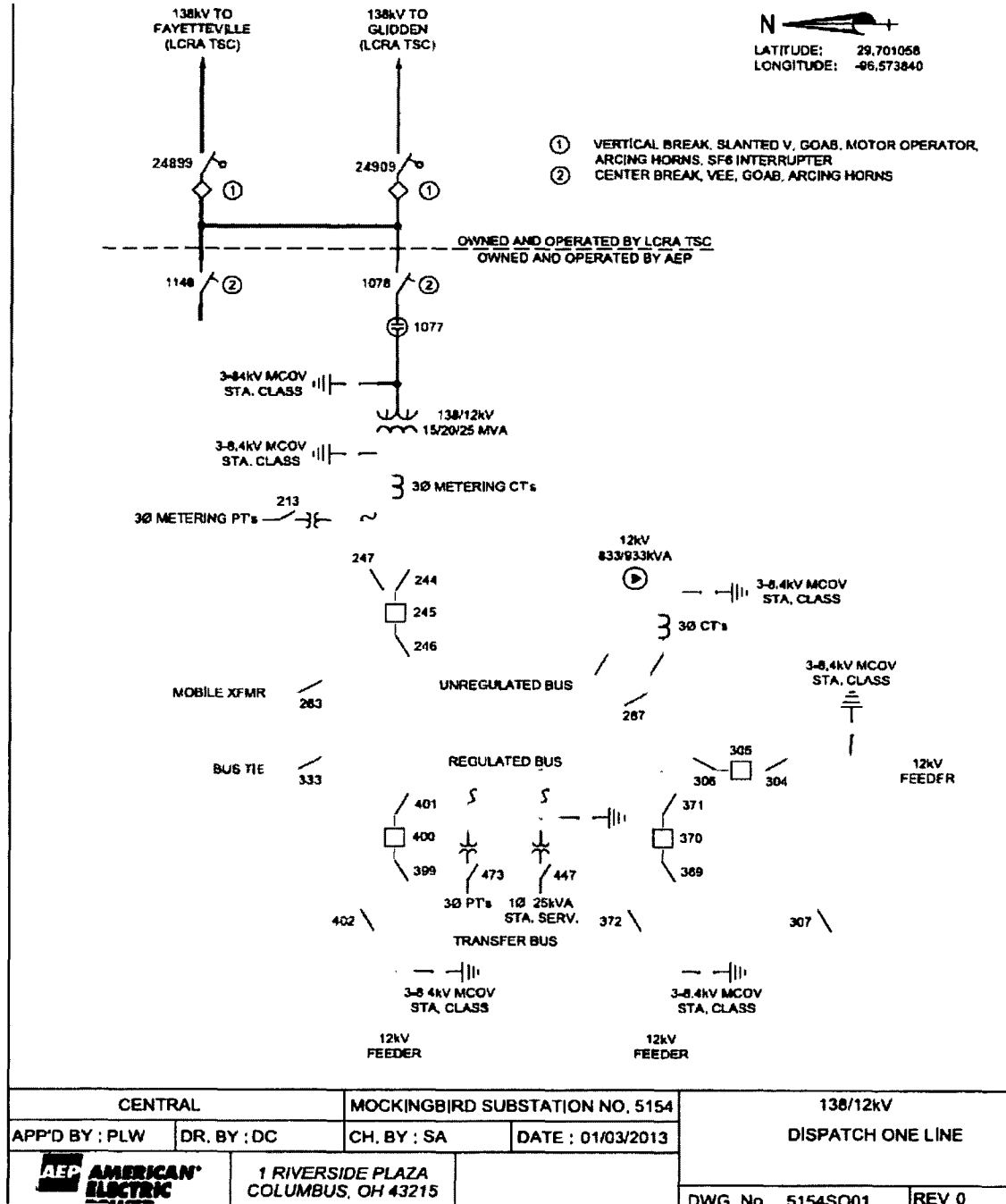


EXHIBIT A
FACILITY SCHEDULE NO. 70

1. **Name:** **Dimmit**
2. **Facility Location:** AEP's Dimmit Substation (the "AEP Substation") is located in Dimmit County, at 1445 FM 186, Carrizo Springs, Texas 78834. There are two (2) Points of Interconnection located at both of AEP's high-side 138 kV disconnect switches (1713 and 2283). 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 (1713 and 2283).
3. **Delivery Voltage:** 138 kV
4. **Metered Voltage:** N/A
5. **Loss Adjustment Due To Meter Location:** N/A
6. **Normal Operation of Interconnection:** Closed
7. **One-Line Diagram Attached:** Yes
8. **Facilities Ownership Responsibilities of the Parties:**
 - A. **AEP agrees that it owns the following facilities:**
 - i. the AEP Substation and all the facilities within it, except those facilities owned by LCRA TSC below
 - ii. two (2) disconnect switches (1713 and 2283)
 - iii. the 138 kV buswork
 - iv. one (1) 138 kV circuit switcher (2577) with all associated material
 - v. one (1) 138/12.5 kV, distribution transformer
 - vi. three (3) 12.5 kV regulators
 - vii. the box structure (laced steel) for distribution bus-work and three (3) breaker bays
 - viii. two (2) 12.5 kV circuit breakers with foundations, jumpers and protective relaying
 - ix. bypass switches and disconnects in extra bay for future use
 - x. one (1) 12.5 kV totalizer breaker on the low-side of the transformer
 - xi. the 12.5 kV distribution facilities
 - xii. one (1) control house with AEP station service and 125 Vdc station batteries
 - xiii. 12.5 kV meters and metering facilities
 - xiv. one (1) remote terminal unit ("RTU")
 - xv. the RTU communications circuit from the AEP Substation to AEP's control center
 - xvi. the AEP Substation property, ground grid, gravel, fencing and other appurtenances

B. LCRA TSC agrees that it owns the following facilities:

- i. the 138 kV Bevo Substation to Conoco-Chittam Ranch Tap transmission line comprised of structures, easements, conductors, insulators, and connecting hardware:
- ii. the 138 kV transmission facilities within the AEP Substation consisting of the following:
 - a) two (2) 138 kV A-frames and foundations
 - b) two (2) 138 kV switches with motor operators (MO24999 and MO25009)
 - c) two (2) 138 kV interrupters
 - d) jumpers from LCRA TSC's 138 kV bus to AEP's 138 kV disconnect switches
 - e) one (1) annunciator/MOS/PT/RTU/SIP/telecom panel
 - f) the RTU communications circuit from the AEP Substation to LCRA TSC's control center

9. Facility Operation Responsibilities of the Parties:

Each Party will operate all the facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for the maintenance of the facilities it owns.

11. Estimated Peak Load: 6000 kW

12. Other Terms and Conditions:

- A. AEP will allow LCRA TSC to install equipment and panels in AEP's control house.
- B. AEP will provide LCRA TSC with 125 Vdc and 120 Vac as necessary for LCRA TSC's equipment.
- C. AEP will permit LCRA TSC to install its own separate locks in the AEP Substation gate.
- D. The Parties will share a control house door key in a lock box located outside the access door of the control house.

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One-Line Diagram

