FACILITY SCHEDULE NO. 63

1. Name: **Choke Canyon (AEP)**

2. Facility Location: AEP's Choke Canyon Substation ("AEP Substation") is located approximately two (2.0) miles west of Three Rivers, Texas in Live Oak County (28° 27' 17.42" N, 98° 13' 09.01" W), approximately 4.5 miles southwest of the AEP Three Rivers substation The AEP Substation is connected to the STEC San Miguel to Sigmor 138 kV transmission line, approximately 26.0 circuit miles southwest of the San Miguel substation and approximately 2.0 transmission miles west of the Sigmor substation. The two (2) Points of Interconnection are within the Substation at 1) the 138 kV line-side of the disconnect switch (3223), and 2) the 138 kV line-side of the disconnect switch (2018). More specifically the Points of Interconnection are where the conductors from the 138 kV bus facilities physically contact the 138 kV bus-side of the switches.

3. Delivery Voltage: 138 kV

4. Metering Voltage: 12.5 kV

5. Loss Adjustment Due To Meter Location: Yes

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:

a. the AEP Substation and all the facilities within it, except for those facilities identified as being owned by STEC below
b. the property, ground grid and fencing
c. one (1) 138 kV circuit switcher (4408)
d. the control house with station service and 125 VDC AEP Substation battery back-up system
e. remote terminal unit ("RTU") and associated communications equipment
f. the 138/12.5 kV distribution transformer
g. 138 kV disconnect switches (2018 and 3223) and all associated material

B. STEC agrees that it owns the following facilities:

a. the San Miguel 138 kV transmission line
b. the Sigmor 138 kV transmission line
c. two (2) inline 138 kV motor operated switch (10308 and 10304), one (1) bus tie air switch (10305) and other equipment associated with the 138 kV line terminal
d. RTU and associated communications facilities

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those facilities it owns

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for maintenance of the facilities it owns

11. Estimated Peak Load: NA

12. Other Terms and Conditions:

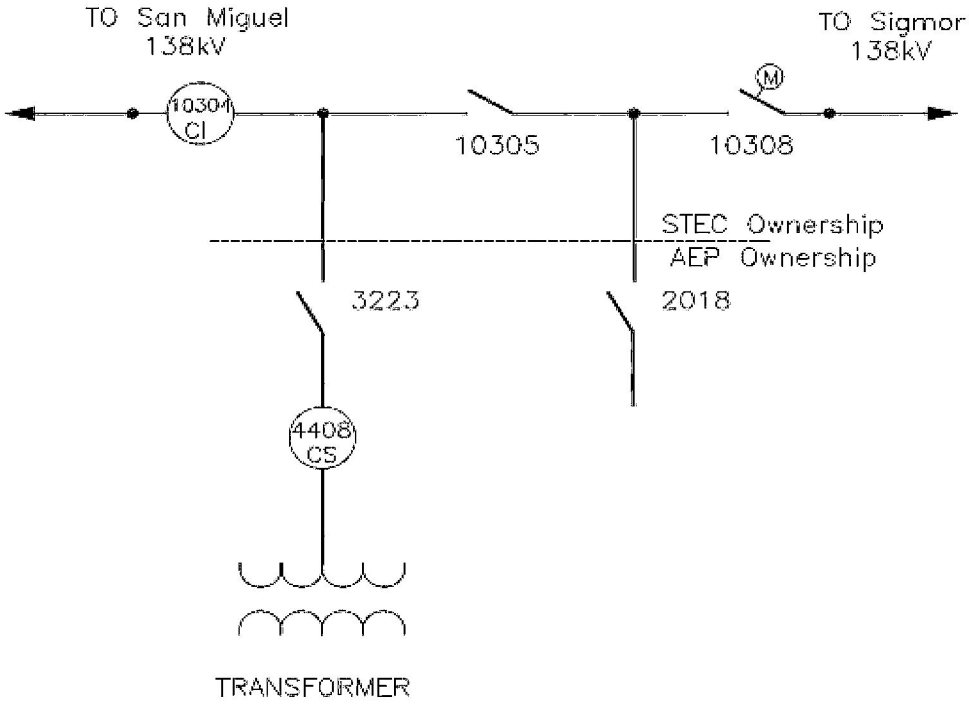
A. Each Party provides its own Supervisory Control and Data Acquisition (SCADA) communication circuit from its RTU to its Center unless a mutually agreeable alternative solution is reached. Each Party provides and maintains a monitor-only communications port on its RTU for use by the other Party

B. STEC has access to the AEP Substation with lock at the entrance gate(s).

[The remainder of this page intentionally left blank]

FACILITY SCHEDULE NO. 63 (continued)

One-Line Diagram



Ⓜ SCADA CONTROLLED MOTOR OPERATOR

SOUTH TEXAS ELECTRIC COOPERATIVE, INC. P.O. BOX 119 NURSERY, TEXAS 77976					DWG NO. CC-1A	
CHOKE CANYON SUBSTATION LIVE OAK COUNTY					FACILITY SCHEDULE 63	
DWN. BY BD	CKD. BY	APPD. BY	SCALE NA	DATE 8/2013,12/19		REV 3

FACILITY SCHEDULE NO. 64

1. Name: **Chocolate Bayou**

2. Facility Location: AEP's Chocolate Bayou Substation ("AEP Substation") is located at 19593 FM 1686, Victoria, Texas, in Victoria County. The Point of Interconnection is located within the AEP Substation where the jumpers from the AEP Substation equipment physically connects to STEC's distribution conductors terminating at the AEP Substation dead-end structure.

3. Delivery Voltage: 12.5 kV

4. Metered Voltage: 12.5 kV

5. Loss Adjustment Due to Meter Location: Yes

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:

a. the AEP Substation and all the facilities within it, except for those facilities identified as being owned by STEC below
b. the control house with station service and 125 VDC station battery back-up system
c. remote terminal unit ("RTU") and associated communications facilities
d. property, ground grid, fencing
e. the 138/12.5 kV distribution transformer(s)
f. all the 12.5 kV breakers and associated primary air disconnect switch(es) and protective device(s)
g. 12.5 kV metering facilities (check meter) on the STEC feeder

B. STEC agrees that it owns the following facilities:

a. no facilities inside the AEP Substation
b. the distribution line that terminate to STEC's designated distribution feeder bays
c. an RTU and associated communications facilities if necessary
d. 12.5 kV metering facilities located on the first distribution pole outside the AEP Substation

9. Facility Operation Responsibilities of the Parties:

A. Each Party will operate those facilities it owns.

B. Requirements have been outlined for agreement and understanding between AEP, STEC and Victoria Electric Cooperative ("VEC") (STEC's Cooperative Member) on the operation and control of breaker (3750) under the September 1, 2014 AEP Texas – STEC Operating Agreement For VEC Dedicated 12.5 kV Breaker Out Of AEP Chocolate Bayou Substation.

10. Facility Maintenance Responsibilities of the Parties:

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

11. Estimated Peak Load: 3,000 kW

12. Other Terms and Conditions:

A. STEC has access to the AEP Substation with a lock in the entrance gate(s).

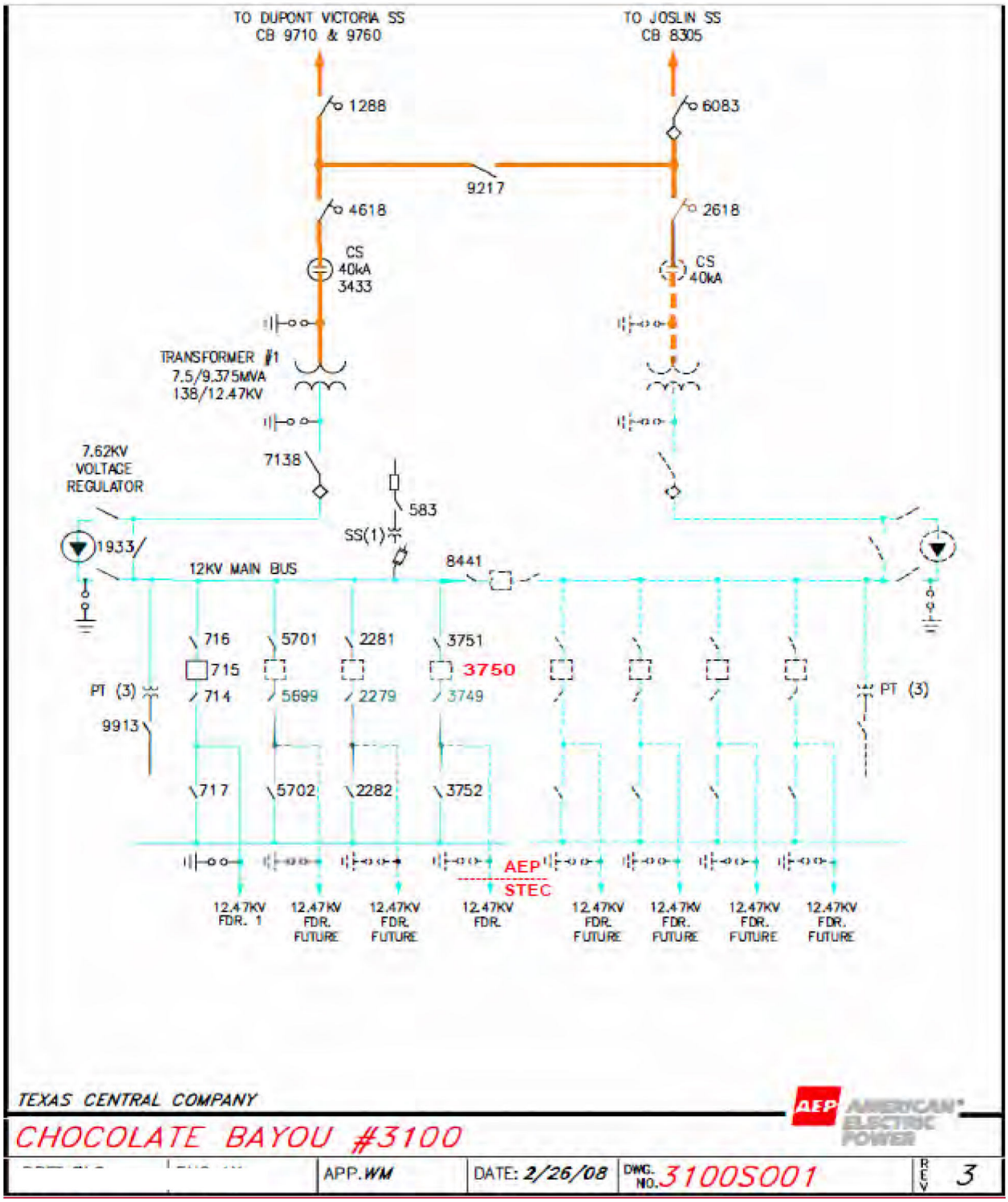
B. Each Party provides its own Supervisory Control and Data Acquisition (SCADA) communication circuit from its RTU to its control center unless a mutually agreeable alternative solution is reached. Each Party provides and maintains a monitor-only communications port on its RTU for use by the other Party.

C. STEC will be responsible and account for the load shedding requirements to ERCOT.

[The remainder of this page intentionally left blank]

FACILITY SCHEDULE NO. 64 (continued)

One-Line Diagram



FACILITY SCHEDULE NO. 65

1. Name: Cotulla

2. Facility Location: STEC's Cotulla Substation ("STEC Substation") is 1227 Pena Rd, Cotulla in La Salle County, Texas. The STEC Substation is connected to AEP's 138 kV Dilley SS to Reveille transmission line. The two (2) Points of Interconnection are within the STEC Substation 1) where the STEC 138 kV jumpers from switch (15532) physically connect to AEP's 138 kV bus facilities, and 2) where the STEC 138 kV jumpers from switch (15512) physically connect to AEP's 138 kV bus facilities.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 24.9 kV

5. Loss Adjustment Due to Meter Location: Yes

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:

a. the 138 kV four (4) breaker ring bus within the STEC Substation
b. the Dilley Sw 138 kV transmission line
c. the Reveille 138 kV transmission line
d. a control house
e. two (2) 138 kV meters and metering facilities (check) within the STEC Substation

B. STEC agrees that it owns the following facilities:

a. the STEC Substation and all the facilities within it, except for those facilities identified as being owned by AEP above
b. a control house
c. property, ground grid, fencing

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

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

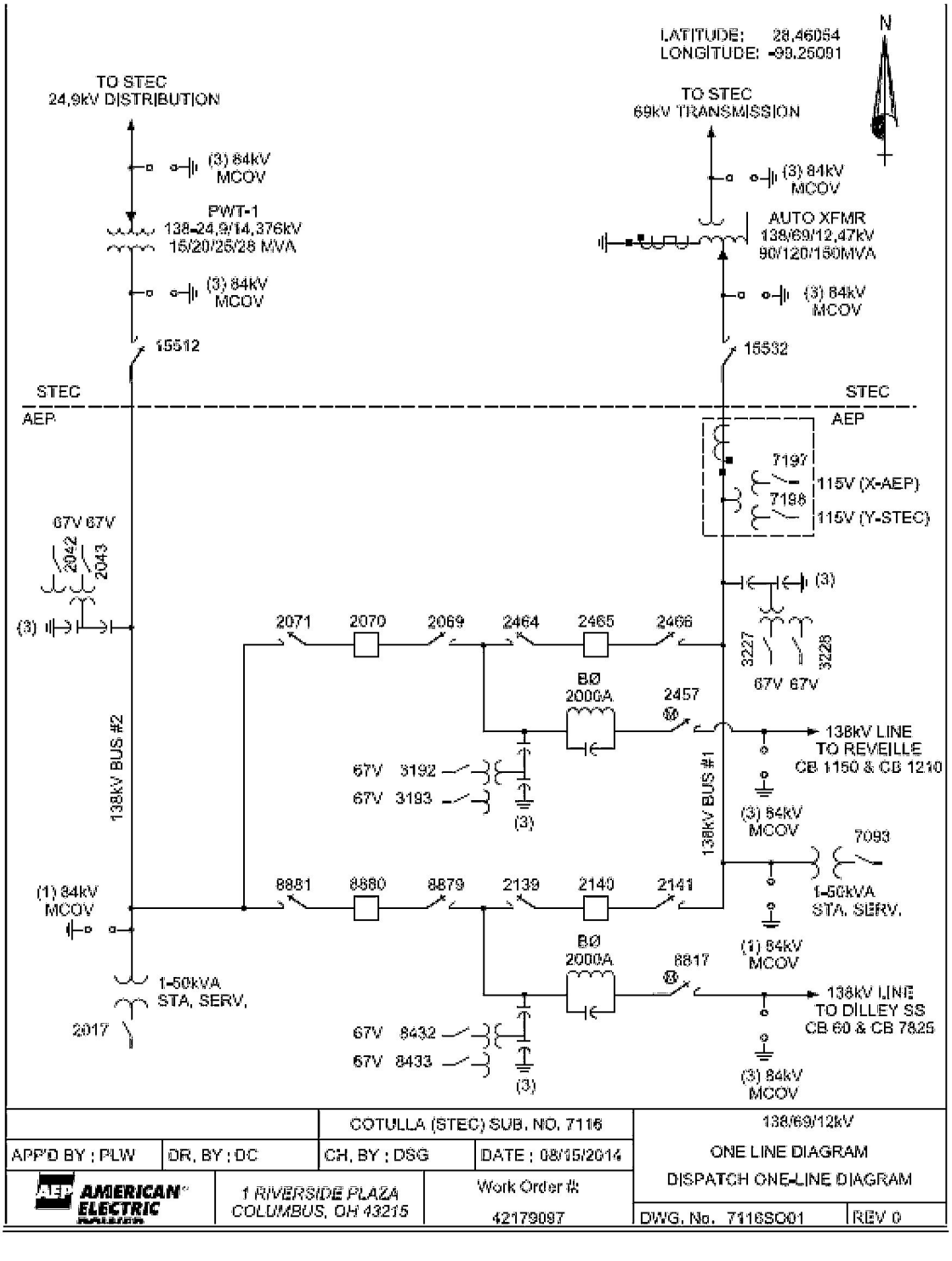
11. Estimated Peak Load: NA

12. Other Terms and Conditions:

AEP has access to the STEC Substation with a lock in the entrance gate(s)

FACILITY SCHEDULE NO. 65 (continued)

One-Line Diagram



FACILITY SCHEDULE NO. 66

1. Name: Hindes

2. Facility Location: The STEC Hindes Substation ("STEC Substation") (28° 38' 47.53" N., 98° 54' 11.54" W.) is located at 876 Prince Rd, Fowlerton in LaSalle County, Texas. The STEC Substation is connecting to AEP's Dilley SS to San Miguel 138 kV transmission line. There are two (2) Points of Interconnection within the STEC Substation at 1) the 138 kV line-side of the isolation switch (11312) of transformer No. 1 ("T-1"), and 2) the 138 kV line-side of the isolation switch (11322) of transformer No. 2 ("T-2"). More specifically the Points of Interconnection are where the conductors from the 138 kV bus facilities physically contact the 138 kV bus-side of the transformer isolation switches.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 24.9 kV

5. Loss Adjustment Due To Meter Location: Yes, transformer loss compensation

6. Normal Operation of Interconnection: Closed

7. One-Line Diagram Attached: Yes

8. Facilities Ownership and Installation Responsibilities of the Parties:

A. STEC agrees that it owns the following facilities:

a. Control house with cable trays in the concrete floor
b. T-1 and associated high-side 138 kV disconnect switch (11312) and high-side 138 kV circuit breaker (11311)
c. T-2 and associated high-side 138 kV disconnect switch (11322) and high-side 138 kV circuit breaker (11321)
d. Transformer differential relaying
e. Property, fencing, ground grid
f. Remote terminal unit ("RTU") and associated communications facilities
g. Station service transformer
h. The 25 kV current transformers ("CTs") and potential transformers ("PTs")
i. All other facilities not specified or specifically associated with the items listed below as AEP property

B. AEP agrees that it owns the following facilities:

a. The Dilley SW 138 kV transmission line
b. The San Miguel 138 kV transmission line
c. One (1) dead-end structure in the Dilley SS 138 kV transmission line
d. One (1) dead-end structure in the San Miguel 138 kV transmission line
e. Approximately 0.02 mile of 138 kV transmission line with optical ground wire ("OPGW") from the STEC Substation to the dead-end structures in the San Miguel 138 kV transmission line
f. Approximately 0.02 miles of 138 kV transmission line with OPGW from the STEC

Substation to the dead-end structures in the Dilley SS 138 kV transmission line

g. Two (2) motor operated line switches (3767 and 3768) and associated relaying/control facilities

h. One (1) 138 kV bus tie switch (3772) and associated relaying/control facilities

i. 125 VDC battery back-up system (batteries, AC/DC circuit breaker panels, charger, rack and accessories) within the STEC control house

j. all control cables required for the control and protection of the AEP-owned 138 kV facilities

k. Substation data repository (SDR), RTU, fiber distribution panel (FDP) and associated communications facilities

l. Two (2) 25 kV metering and metering facilities located within the STEC Substation control house

9. Facility Operation Responsibilities of the Parties:

A. Each Party will operate those facilities it owns

B. AEP may operate the high-side disconnect switches (11312 and 11322) of T-1 and T-2 respectively, with use of dual locks, upon approval from STEC dispatch.

10. Facility Maintenance Responsibilities of the Parties:

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

11. Estimated Peak Load: NA

12. Other Terms and Conditions:

A. AEP has access to the STEC Substation with a lock in the entrance gate

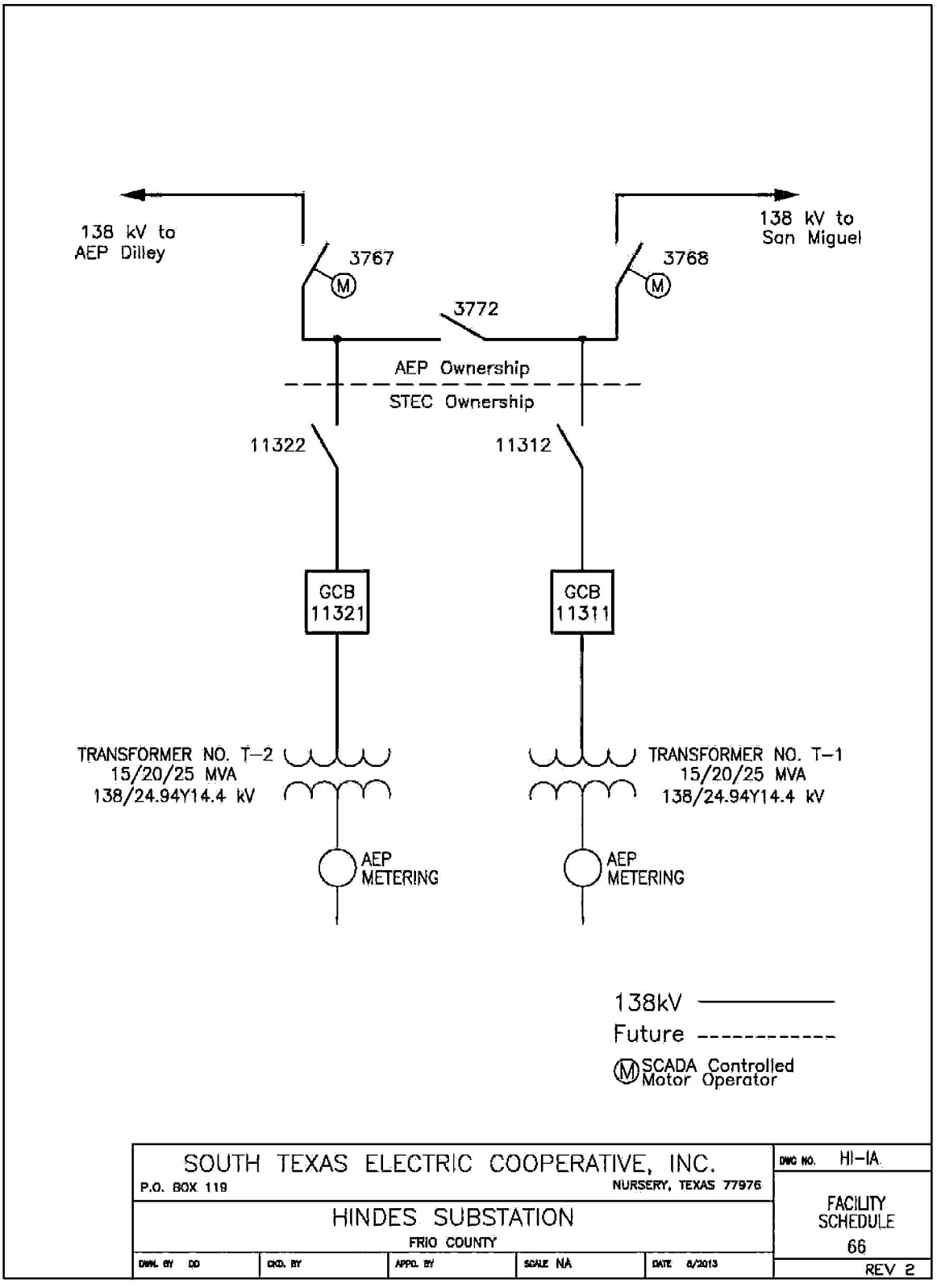
B. AEP has access to STEC's control house with dual locks in a hasp type arrangement or dead bolts on individual doors.

C. Each Party provides its own Supervisory Control and Data Acquisition (SCADA) communication circuit from its RTU to its control center unless a mutually agreeable alternative solution is reached. Each Party provides and maintains a monitor-only communications port on its RTU for use by the other Party.

D. STEC agrees to allow AEP to utilize STEC's 25 kV CTs and PTs for AEP's metering requirements

FACILITY SCHEDULE NO. 66 (continued)

One-Line Diagram



FACILITY SCHEDULE NO. 67

1. Name: **Las Pulgas**

2. Facility Location: AEP's Las Pulgas Station ("AEP Station") (26° 27' 39.89" N., 97° 45' 01.57" W.) is located in Willacy County, approximately two (2) miles southeast of the Raymondville, Texas. The AEP Station is connected to AEP's Raymondville #2 to Rio Hondo 138 kV transmission line. The Point of Interconnection is within the AEP Station at the AEP Station dead-end structure that terminate STEC's Raymondville East 138 kV transmission line. More specifically, the Point of Interconnection is where the AEP jumpers physically connect to STEC's Raymondville East 138 kV transmission line.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 kV

5. Loss Adjustment Due To Meter Location: None

6. Normal Operation of Interconnection: Closed

7. One-Line Diagram Attached: Yes

8. Facilities Ownership and Installation Responsibilities of the Parties:

A. STEC agrees that it owns the following facilities:

a. the Raymondville East 138 kV transmission line

B. AEP agrees that owns the following facilities:

a. the AEP Station and all the interconnecting facilities within it
b. the AEP Station control module
c. the RTU and associated communication facilities
d. property, ground grid, fencing
e. 138 kV metering and metering facilities

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for maintenance of the facilities it owns

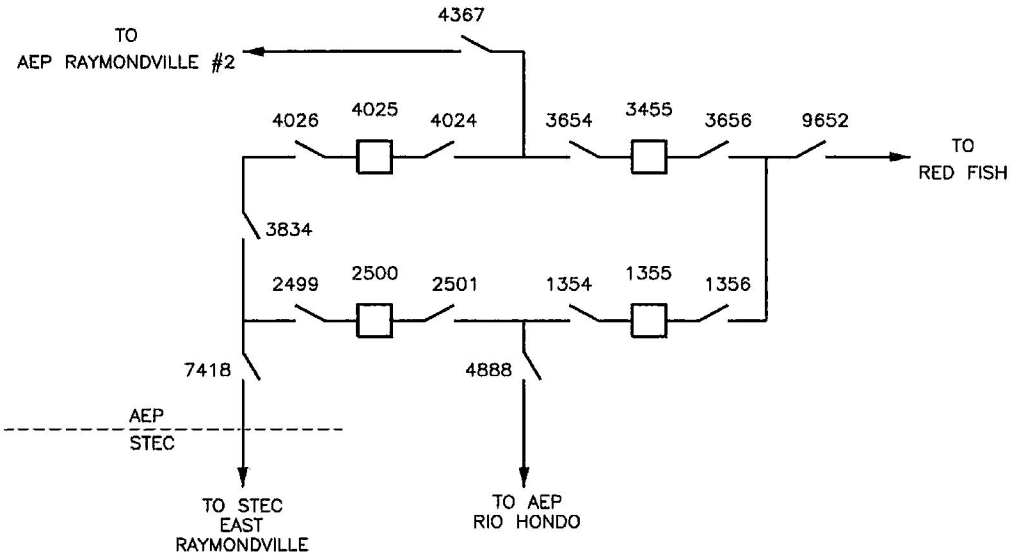
11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

A. Each Party provides its own SCADA communication circuit from its RTU to its control center unless a mutually agreeable alternative solution is reached. Each Party provides and maintains a monitor-only communications port on its RTU for use by the other Party STEC has access to the AEP Station with a lock at the entrance gate(s).

FACILITY SCHEDULE NO. 67 (continued)

One-Line Diagram



SOUTH TEXAS ELECTRIC COOPERATIVE, INC. P.O. BOX 119 NURSERY, TEXAS 77976					DWG NO. LP-IA
LAS PULGAS SUBSTATION WILLACY COUNTY					FACILITY SCHEDULE 67
DWN. BY ALS	CKD. BY	APPD. BY	SCALE NA	12/2018	

FACILITY SCHEDULE NO. 68

1. Name: **Magill**

2. Facility Location: AEP's Magill Station ("AEP Station") is located in Matagorda County, approximately 1.5 miles north of the Bay City, Texas. The AEP Station is connected to AEP's Bay City to Lane City 138 kV transmission line. The Point of Interconnection is within the AEP Station at the AEP Station dead-end structure that terminates STEC's Tenaris 138 kV transmission line. More specifically, the Point of Interconnection is where AEP's jumpers physically connect to STEC's Tenaris 138 kV transmission line.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 kV

5. Loss Adjustment Due To Meter Location: None

6. Normal Operation of Interconnection: Closed

7. One-Line Diagram Attached: Yes

8. Facilities Ownership and Installation Responsibilities of the Parties:

A. STEC agrees that it owns the following facilities:

a. the Tenaris 138 kV transmission line that terminate with the AEP Station

B. AEP agrees that it owns the following facilities:

a. the AEP Station and all the interconnecting facilities within it
b. the AEP Station control module
c. the RTU and associated communication facilities
d. property, ground grid, fencing

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for maintenance of the facilities it owns

11. Estimated Peak Load: N/A

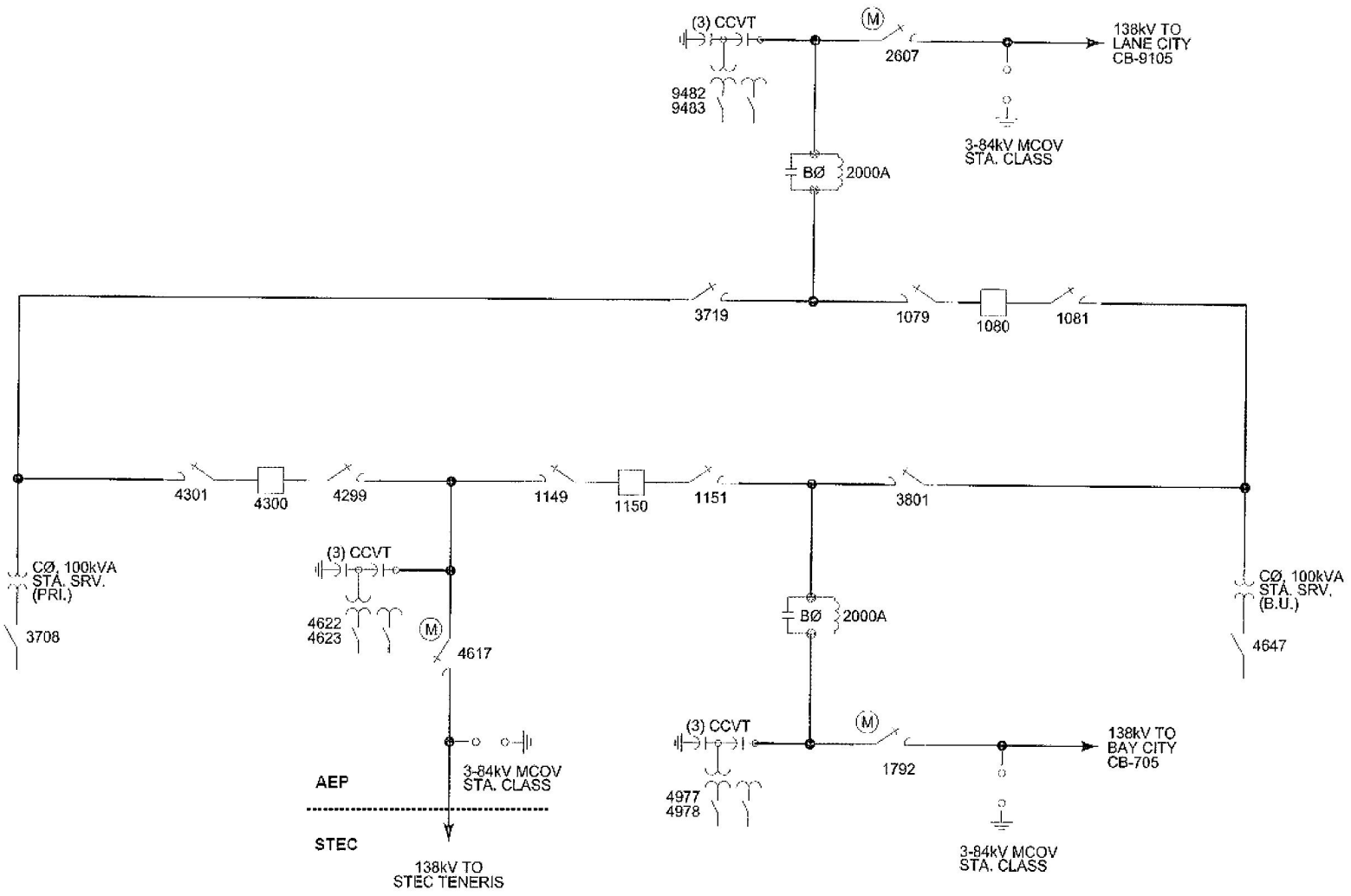
12. Other Terms and Conditions:

A. Each Party provides its own SCADA communication circuit from its RTU to its control center unless a mutually agreeable alternative solution is reached. Each Party provides and maintains a monitor-only communications port on its RTU for use by the other Party.

B. STEC has access to the AEP Station with a lock in the entrance gate(s).

FACILITY SCHEDULE NO. 68 (continued)

One-Line Diagram



FACILITY SCHEDULE NO. 69

1. Name: **Tenaris**

2. Facility Location: STEC's Tenaris Station ("STEC Station") is located at 307 CR 124, Bay City in Matagorda County, approximately 4.2 miles east of the Bay City, Texas. The two (2) Points of Interconnection are within the STEC Station and are solely for the two (2) sets of AEP 138 kV meters.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 kV

5. Loss Adjustment Due To Meter Location: None

6. Normal Operation of Interconnection: Closed

7. One-Line Diagram Attached: Yes

8. Facilities Ownership and Installation Responsibilities of the Parties:

A. STEC agrees that it owns the following facilities:
the STEC Station and all the facilities within it, except for the facilities owned by AEP below

B. AEP agrees that it owns the following facilities:
two (2) 138 kV metering and metering facilities within the STEC Station

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for maintenance of the facilities it owns

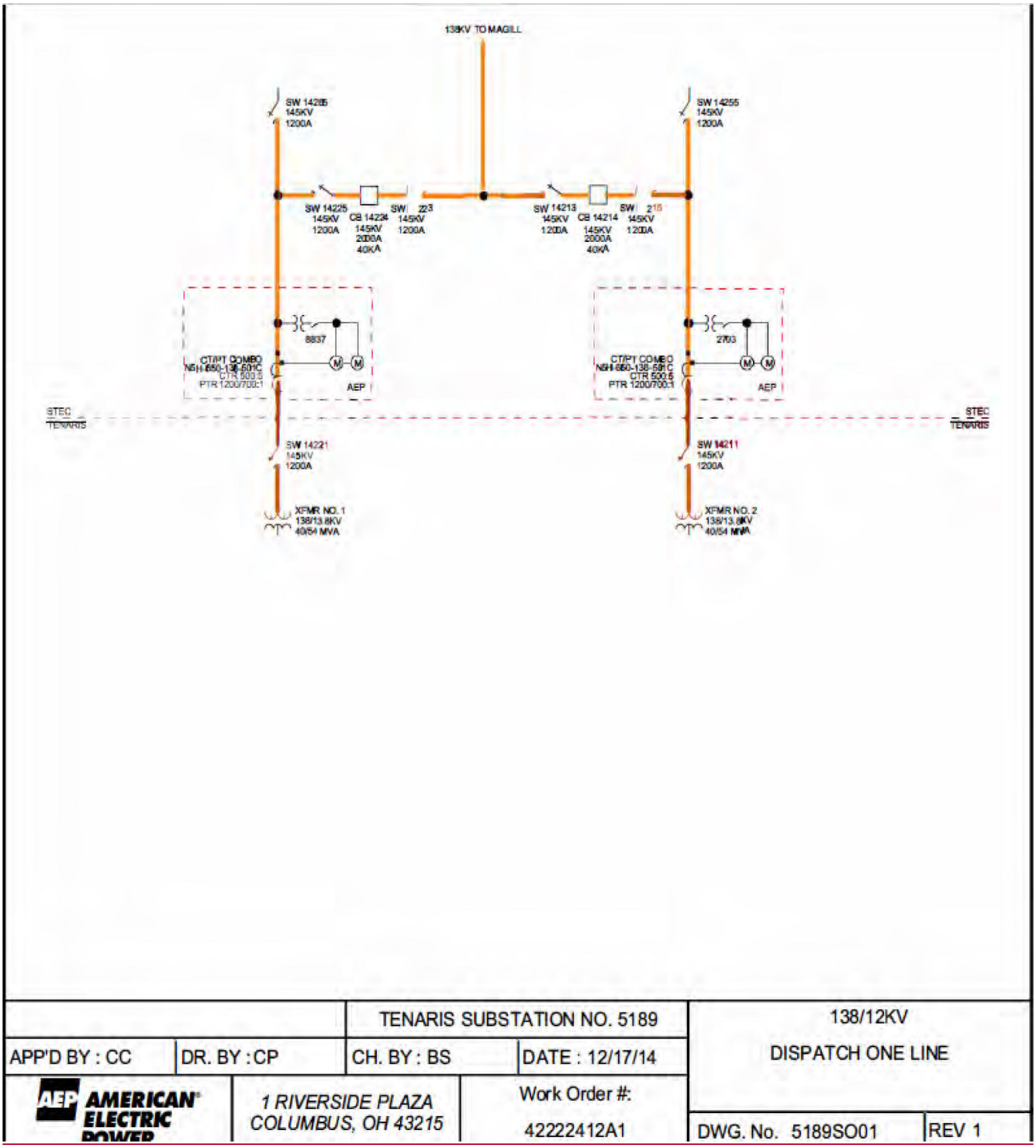
11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

A. Each Party provides its own SCADA communication circuit from its RTU to its control center unless a mutually agreeable alternative solution is reached. Each Party provides and maintains a monitor-only communications port on its RTU for use by the other Party.
B. AEP has access to the STEC Station with a lock in the entrance gate(s).
C. STEC will provide the 138 kV breaker status to ERCOT
D. AEP will provide the 12.5 kV load status to ERCOT

FACILITY SCHEDULE NO. 69 (continued)

One-Line Diagram



		TENARIS SUBSTATION NO. 5189		138/12KV
APP'D BY : CC	DR. BY : CP	CH. BY : BS	DATE : 12/17/14	DISPATCH ONE LINE
AEP AMERICAN ELECTRIC POWER	1 RIVERSIDE PLAZA COLUMBUS, OH 43215	Work Order #: 42222412A1		DWG. No. 5189SO01 / REV 1

FACILITY SCHEDULE NO. 70

1. Name: **Kittie West**

2. Facility Location: AEP's Kittie West Substation ("AEP Substation") is located approximately four (4) miles north of the George West, Live Oak County, Texas. The AEP Substation is connected to the STEC's George West 138 to Mathis (STEC) 69kV transmission line. The Point of Interconnection are within the Substation at 1) the 69 kV line-side disconnect switch (3792). More specifically the Point of Interconnection is where the conductors from the 69 kV bus facilities physically contact the 69 kV bus-side of the line-side disconnect switch (3792).

3. Delivery Voltage: 69 kV

4. Metering Voltage: 12.5 kV

5. Loss Adjustment Due To Meter Location: Yes, transformer loss compensation

6. Normal Operation of Interconnection: Closed

7. One-Line Diagram Attached: Yes

8. Facilities Ownership and Installation Responsibilities of the Parties:

A. AEP agrees that it owns the following facilities:

a. the AEP Substation and all the facilities within it, except for those facilities identified ~~in Section 2 of this~~ as being owned by STEC
b. AEP Substation control house
c. remote terminal unit ("RTU") and associated communications equipment
d. property, ground grid, fencing
e. transformer and associated disconnect switches (3792) and protective device (3788)
f. station service battery back-up system

B. STEC agrees that it owns the following facilities:

a. the George West 138 69 kV transmission lines
b. the Mathis (STEC) 69 kV transmission line
c. the West George West 69 kV transmission line
d. the three (3) inline 69 kV breakers (3106, 3124 and 3112), nine (9) disconnect switches (3104, 3105, 3107, 3111, 3110, 3113, 3125, 3123, 3122) and equipment associated with the 69 kV line terminals
e. Bus tie switch (3115)
f. RTU and associated communications equipment

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those 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: NA

12. Other Terms and Conditions:

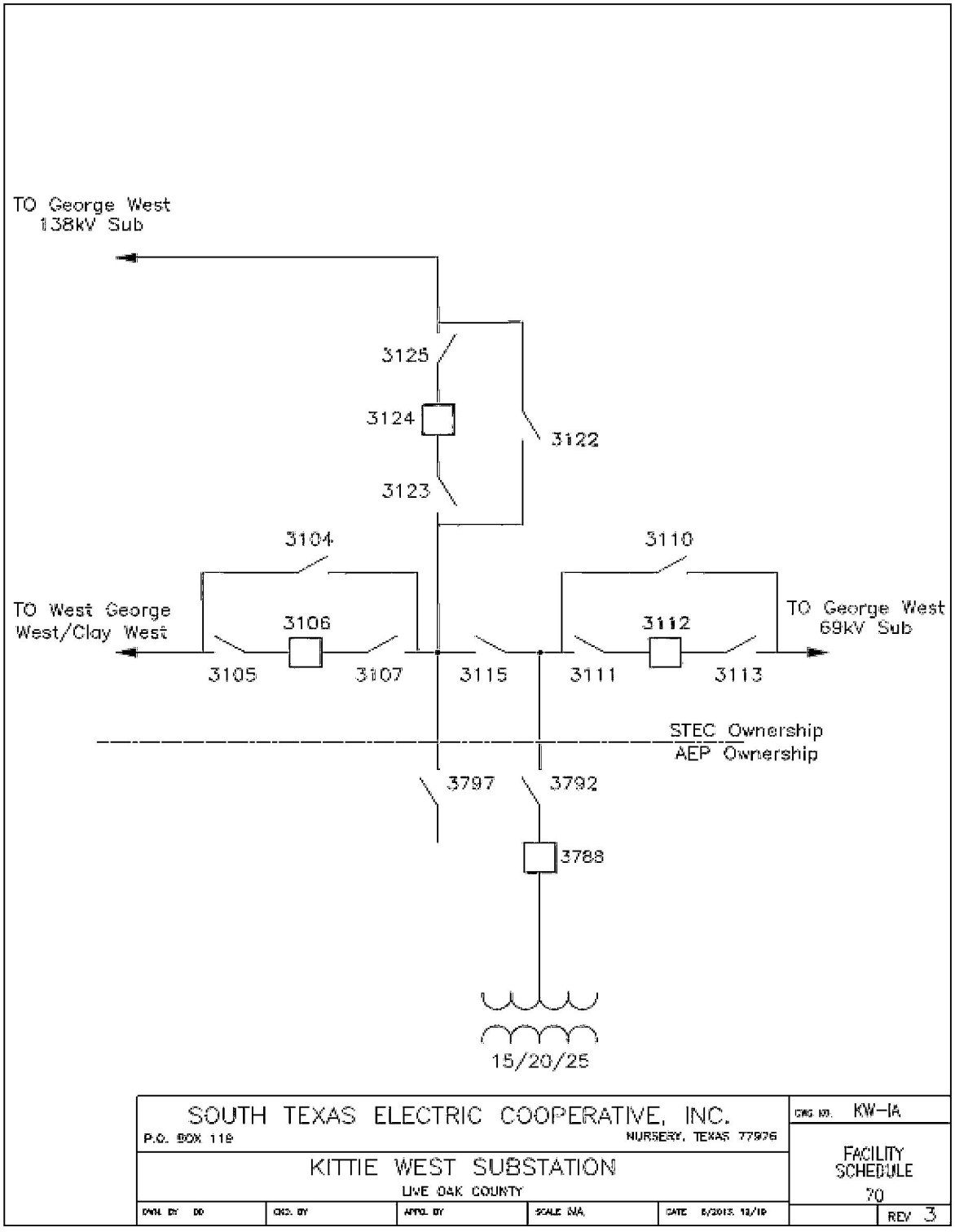
A. Each Party provides its own Supervisory Control and Data Acquisition (SCADA) communication circuit from its RTU to its control center unless a mutually agreeable alternative solution is reached. Each Party provides and maintains a monitor-only communications port on its RTU for use by the other Party.

B. STEC has access to the AEP Substation with a lock in the entrance gate(s).

[The remainder of this page intentionally left blank]

FACILITY SCHEDULE NO. 70 (continued)

One-Line Diagram



FACILITY SCHEDULE NO. 71

1. Name: **Frio**

2. Facility Location: The AEP Frio Substation ("AEP Substation") (28° 54' 58.95" N., 99° 06' 31.89" W.) is located in Frio County, approximately 0.66 of a mile west of North Pearsall, Texas. The AEP Substation is connected to STEC's Pearsall to Derby 69 kV transmission line. The two (2) Points of Interconnection are within the Substation at 1) the 69 kV line-side of the disconnect switch (752), and 2) the 69 kV line-side of the disconnect switch (6018). More specifically the Points of Interconnection are where the conductors from the 69 kV bus facilities physically contact the 69 kV bus-side of the switches (6018 and 752).

3. Delivery Voltage: 69 kV

4. Metered Voltage: 12.5 kV

5. Loss Adjustment Due To Meter Location: Yes, transformer loss compensation

6. Normal Operation of Interconnection: Closed

7. One-Line Diagram Attached: Yes

8. Facilities Ownership and Installation Responsibilities of the Parties:

A. STEC agrees that it owns the following facilities:

a. the Pearsall 69 kV transmission line
b. the Derby 69 kV transmission line
c. the two (2) inline 69 kV, motor operated, switches (9619 and 9627), and other facilities associated with the 69 kV line terminal
d. bus tie switch (9615) and disconnect switch (9623)
e. metering equipment (check) connected to AEP's 12.5 kV instrument transformers via secondary wiring located in the AEP Substation control house
f. the remote terminal unit ("RTU") and associated communication facilities

B. AEP agrees that it owns the following facilities:

a. the Substation and all the facilities within it, except for those facilities identified as being owned by STEC above
b. the AEP Substation control house
c. the RTU and associated communication facilities
d. property, ground grid, fencing
e. transformer and associated primary disconnect switches (6018 and 752) and protective device (753)
f. station service battery back-up system
g. 12.5 kV metering and metering facilities

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

Each Party is responsible for maintenance of the facilities it owns

11. Estimated Peak Load: NA

12. Other Terms and Conditions:

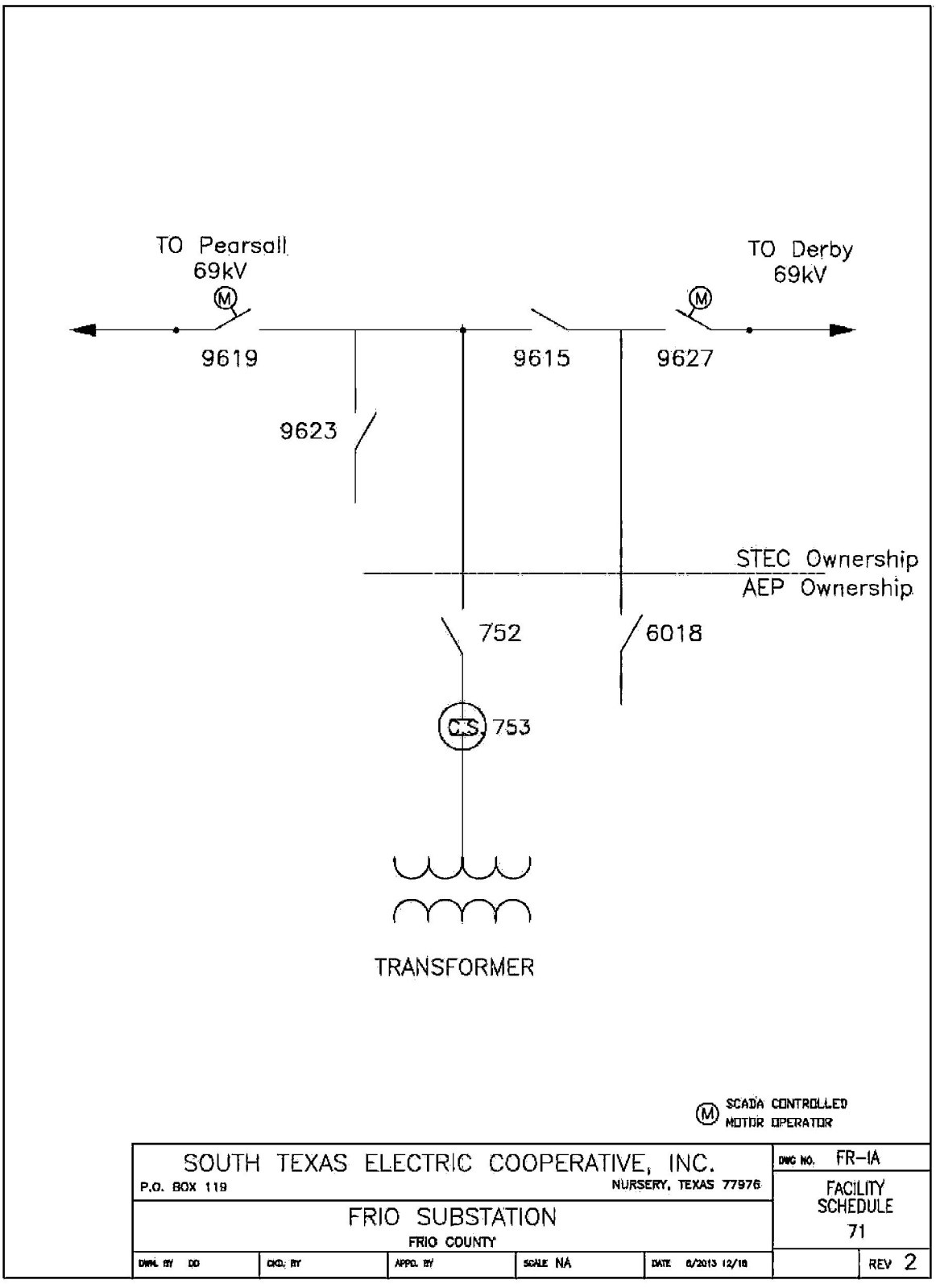
A. Each Party provides its own Supervisory Control and Data Acquisition (SCADA) communication circuit from its RTU to its control center unless a mutually agreeable alternative solution is reached. Each Party provides and maintains a monitor-only communications port on its RTU for use by the other Party.

B. STEC has access to the AEP Substation with a lock in the entrance gate.

[The remainder of this page intentionally left blank]

FACILITY SCHEDULE NO. 71 (continued)

One-Line Diagram



FACILITY SCHEDULE NO. 72

1. Name: **Shropshire**

2. Facility Location: AEP's Shropshire Substation ("AEP Substation") (29° 0.0' 28.42" N., 96° 03' 59.34" W.) is located at 2808 CR 414, Markham in Matagorda County, Texas. The AEP Substation is connected to the STEC Salt Dome to Van Vleck Switch 69 kV transmission line. The two (2) Points of Interconnection are within the Substation at 1) the 69 kV line-side of the disconnect switch (3543), and 2) the 69 kV line-side of the disconnect switch (3467). More specifically the Points of Interconnection are where the conductors from the 69 kV bus facilities physically contact the 69 kV bus-side of the switches (3543 and 3467).

3. Delivery Voltage: 69 kV

4. Metering Voltage: 12.5 kV

5. Loss Adjustment Due To Meter Location: Yes, transformer loss compensation

6. Normal Operation of Interconnection: Closed

7. One-Line Diagram Attached: Yes

8. Facilities Ownership and Installation Responsibilities of the Parties:

A. AEP agrees that it owns the following facilities:

a. the AEP Substation and all the facilities within it, except for those facilities identified as being owned by STEC
b. the AEP Substation control house
c. remote terminal unit ("RTU") and associated communication facilities
d. property, ground grid, fencing
e. transformer and associated primary disconnect switches (3543 and 3467) and protective device (3723)
f. the AEP Substation service battery back-up system

B. STEC agrees that it owns the following facilities:

a. the Salt Dome to Van Vleck Switch 69 kV transmission lines
b. the two (2) inline 69 kV, motor operated, switches (9639 and 9645), and other facilities associated with the 69 kV line terminal
c. disconnect switch (9635)
d. RTU and associated communication facilities

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those facilities it owns.

10. Facility Maintenance Responsibilities of the Parties:

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

11. Estimated Peak Load: NA

12. Other Terms and Conditions:

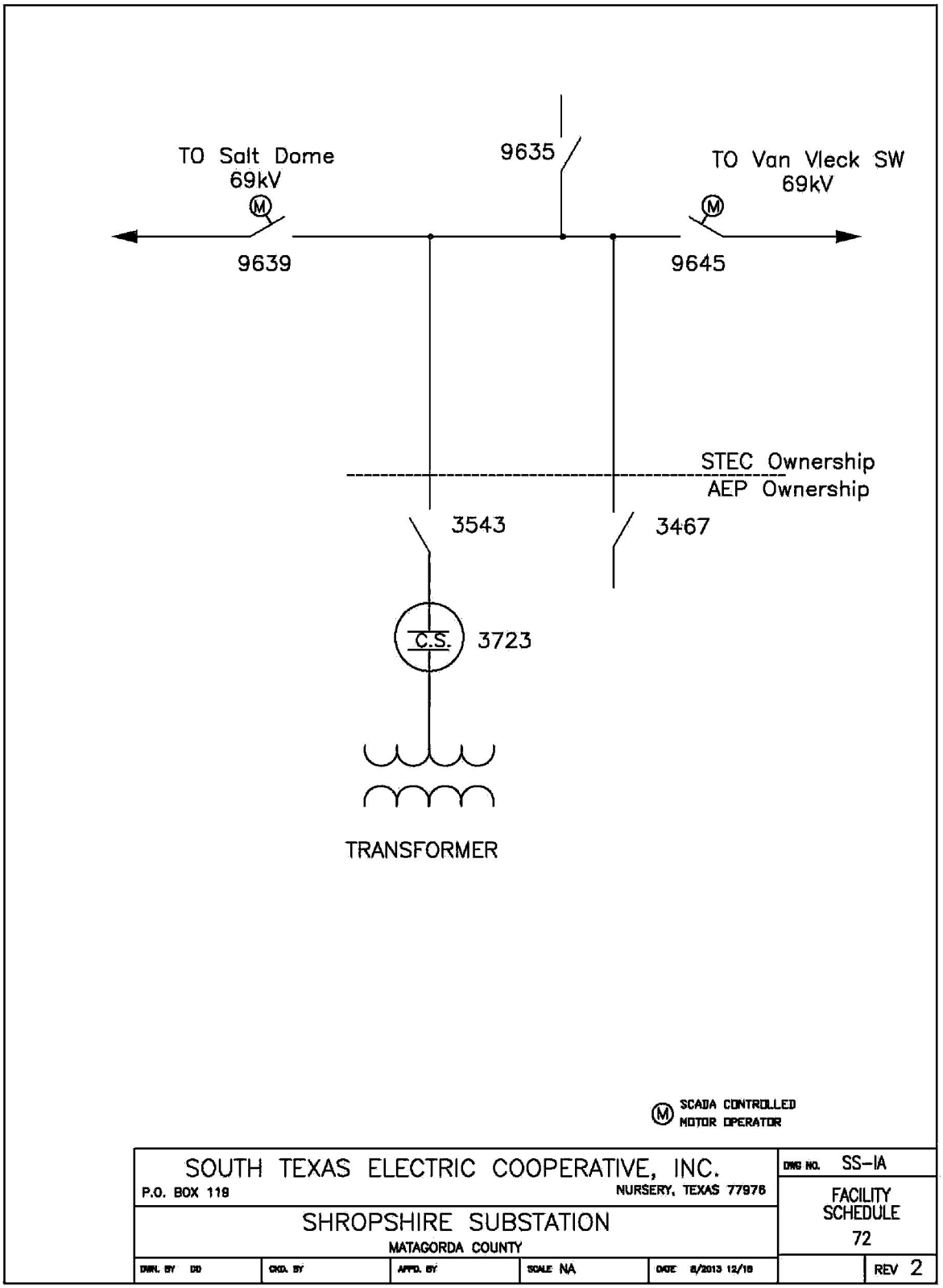
A. Each Party provides its own Supervisory Control and Data Acquisition (SCADA) communication circuit from its RTU to its control center unless a mutually agreeable alternative solution is reached. Each Party provides and maintains a monitor-only communications port on its RTU for use by the other Party.

B. STEC has access to the AEP Substation with a lock in the entrance gate(s).

[The remainder of this page intentionally left blank]

FACILITY SCHEDULE NO. 72 (continued)

One-Line Diagram



FACILITY SCHEDULE NO. 73

1. Name: Gillrina

2. Facility Location: STEC's Gillrina Substation ("STEC Substation") (27° 47.0' 24.74" N., 97° 51.0' 01.32" W.) is located at 3583 CR 93(Gillrina Rd) in Banquete, Nueces County, Texas. The STEC Substation is connected to AEP's Calallen (STEC) to Stadium 69 kV transmission line. The Point of Interconnection is within the STEC Substation at the 69 kV line-side isolation switch (1911) of STEC's transformer. More specifically the Point of Interconnection is where the conductors from the 69 kV bus facilities physically contact the 69 kV bus-side of the transformer isolation switch (1911).

3. Delivery Voltage: 69 kV

4. Metering Voltage: 12.5 kV within STEC's Substation

5. Loss Adjustment Due To Meter Location: Yes

6. Normal Operation of Interconnection: Closed

7. One-Line and Three-line Diagram Attached: Yes

8. Facilities Ownership and Installation Responsibilities of the Parties:

A. STEC agrees that it owns the following facilities:

a. the STEC Substation and facilities within it
b. 69 kV sectionalizing switch (1911)
c. 69 kV fuses and 69/12.5 kV transformer

B. AEP agrees that it owns the following facilities:

a. one (1) sectionalizing bus switch (9358)
b. one (1) 12.5 kV metering panel located within the STEC Substation.
c. three (3) 69 kV breaker ring bus expandable to a four (4) breaker ring bus.
d. one (1) drop in control module (DICM)

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those facilities it owns.

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

10. Facility Maintenance Responsibilities of the Parties:

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

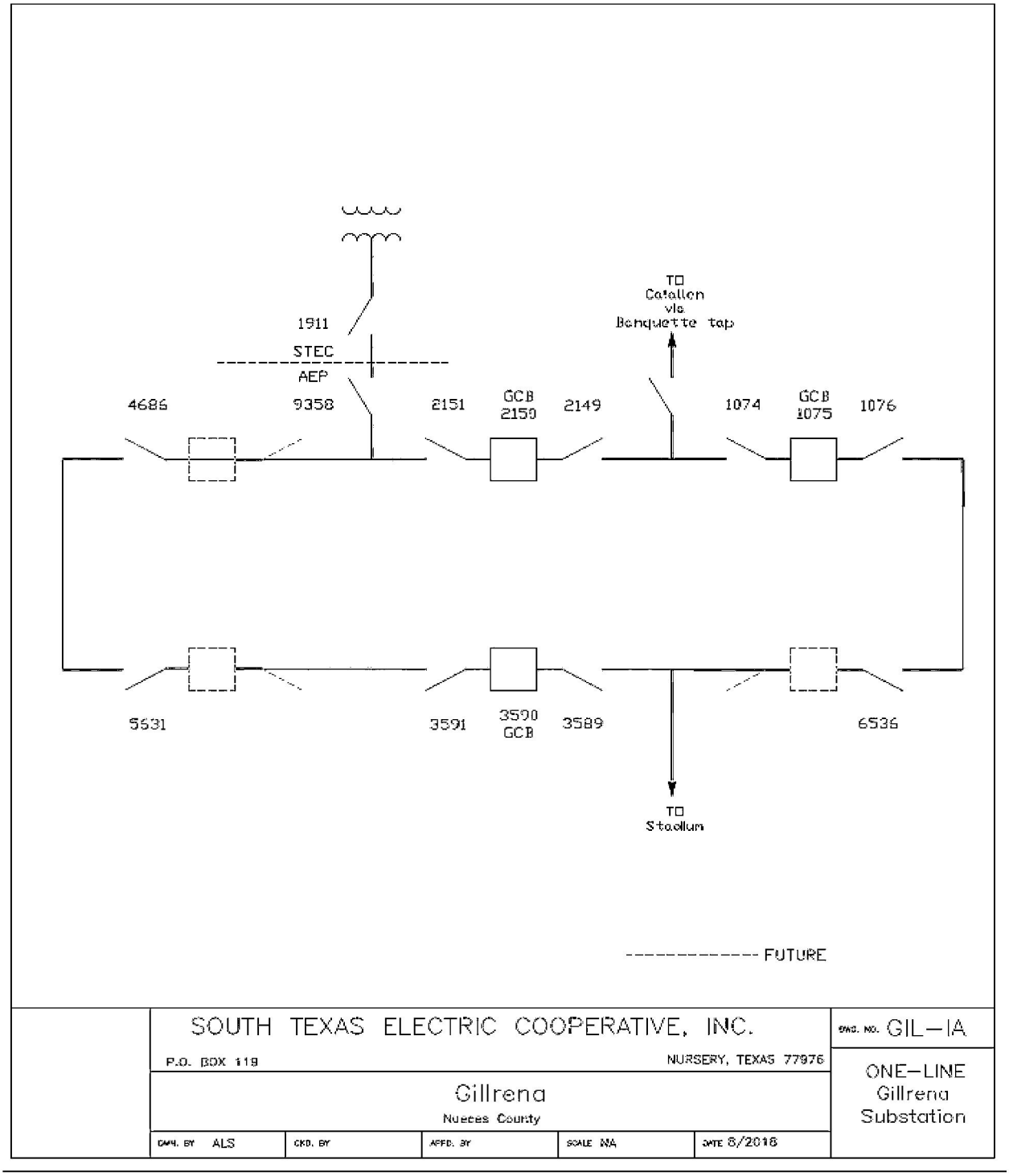
11. Estimated Peak Load: NA

12. Other Terms and Conditions:

AEP has access to the STEC Substation with a lock in the gate(s).

FACILITY SCHEDULE NO. 73 (continued)

One-Line Diagram



FACILITY SCHEDULE NO. 74

1. Name: **Government Wells**

2. Facility Location: The Point of Interconnection ("POI") is located at AEP's meter pole on the west side of Hwy16 and north of Farm Road 2359, approximately nine (9) miles north of Freer in Duval County. The POI is where the AEP jumpers at AEP's meter pole physically connect to STEC's 12.5 kV conductors terminating at the meter pole.

3. Delivery Voltage: 12.5 kV

4. Metered Voltage: 12.5 kV

5. Loss Adjustment Due To Meter Location: No

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:

a. the 12.5 kV meter and metering facilities.
b. the meter pole
c. the 12.5 kV three-phase distribution feeder circuit (7240) servicing the POI

B. STEC agrees that it owns the following facilities:

a. the switch that isolates its portion of the 12.5 kV distribution circuit
b. the 12.5 kV three-phase distribution feeder terminating at the POI.

9. Facility Operation Responsibilities of the Parties:

Each Party will operate those facilities it owns

10. Facility Maintenance Responsibilities of the Parties:

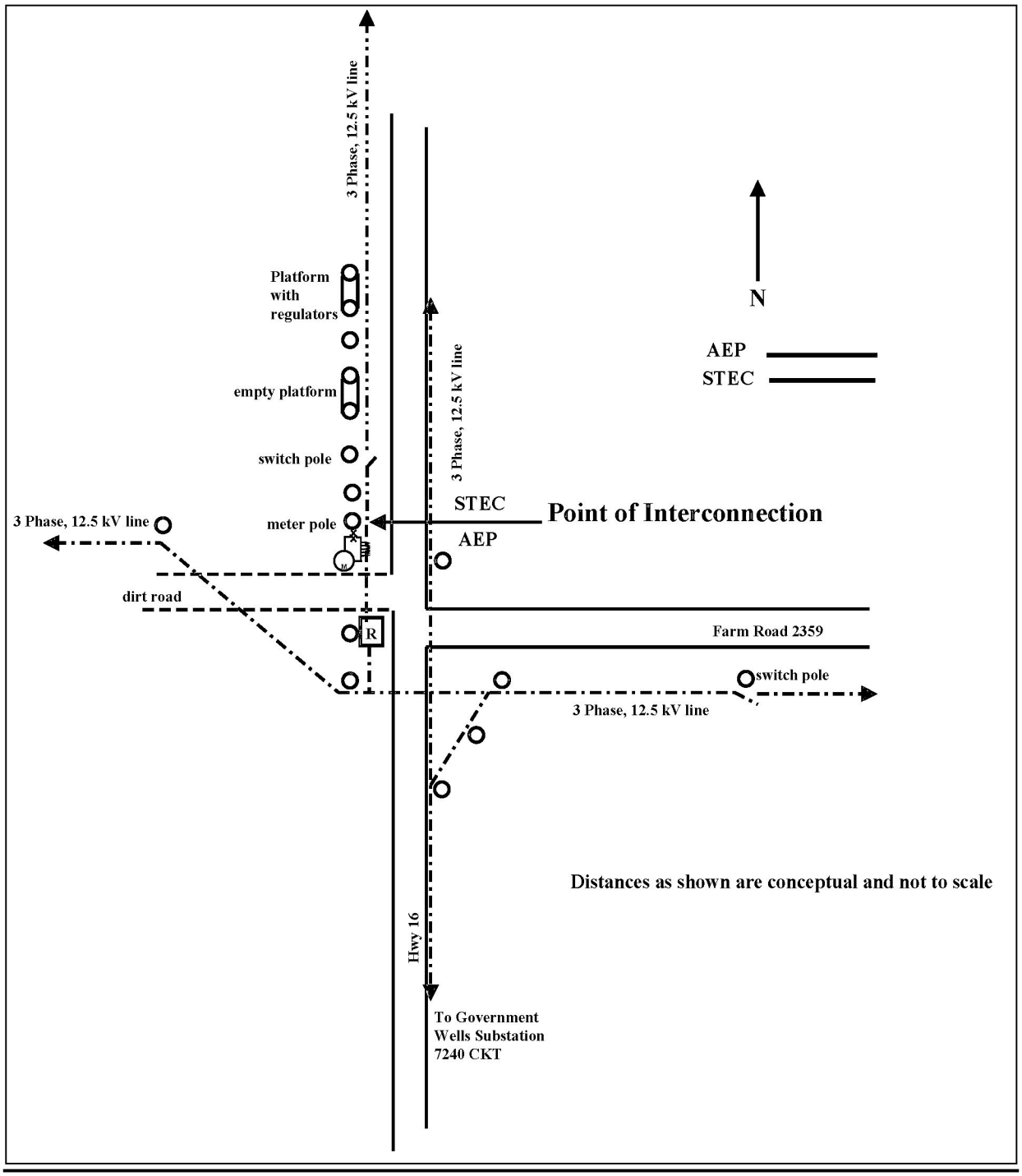
Each Party is responsible for maintenance of the facilities it owns

11. Estimated Peak Load: N/A

12. Other Terms and Conditions: None

FACILITY SCHEDULE NO. 74 (continued)

One-Line Diagram



FACILITY SCHEDULE NO. 75

1. Name: **Red Gate**

2. Facility Location: STEC's Red Gate Substation ("STEC Substation") is located approximately 7.5 miles north of Edinburg, Texas, in Hidalgo County. The Point of Interconnection is where AEP's jumper conductors from AEP's North Edinburg to Falfurrias 138 kV transmission line physically connect to STEC's slack-span from STEC's normally open switch (22246) that terminate on AEP double dead-end structure.

3. Delivery Voltage: 138 kV

4. Metered Voltage: None

5. Loss Adjustment Due To Meter Location: Yes

6. Normal Operation of Interconnection: Open

7. One-Line Diagram Attached: Yes

8. Facilities Ownership Responsibilities of the Parties:

8.1. AEP agrees that it owns the following facilities:

i. the North Edinburg to Falfurrias 138 kV transmission line
ii. one (1) double dead-end 138 kV structure in AEP's North Edinburg to Falfurrias 138 kV transmission line
iii. the jumpers from AEP's North Edinburg to Falfurrias 138 kV transmission line to STEC's slack-span from STEC's normally open switch (22246) at AEP's double dead-end 138 kV structure.

8.2. STEC agrees that it owns the following facilities:

i. the approximately 0.25 mile 138 kV transmission line
ii. the normally open switch (22246) and switch structure.
iii. The slack-span from STEC's normally open switch (22246) to AEP's double dead-end 138 kV structure in AEP's North Edinburg to Falfurrias 138 kV transmission line
iv. one (1) 138 kV ERCOT Polled Settlement ("EPS") meter panel with one (1) EPS primary meter and one (1) EPS back up meter within the STEC Substation
v. three (3) 138 kV billing accuracy metering units comprised of combination potential transformers and current transformers. The metering will be a three-phase, four-wire system
vi. station data repository ("SDR"), and disturbance monitoring equipment ("DME") within the STEC Substation

9. Facility Operation Responsibilities of the Parties:

Each Party operates all the facilities it owns.

10. Facility Maintenance Responsibilities of the Part:

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

11. Estimated Peak Load: N/A

12. Other Terms and Conditions:

12.1. This normally open tie will be used for ERCOT black start testing to energize a dead line. At no time will the switch be closed into an energized line. Both breakers protecting this section of line, where the point of interconnection will be, shall be open during all times that the normally open switch is closed.

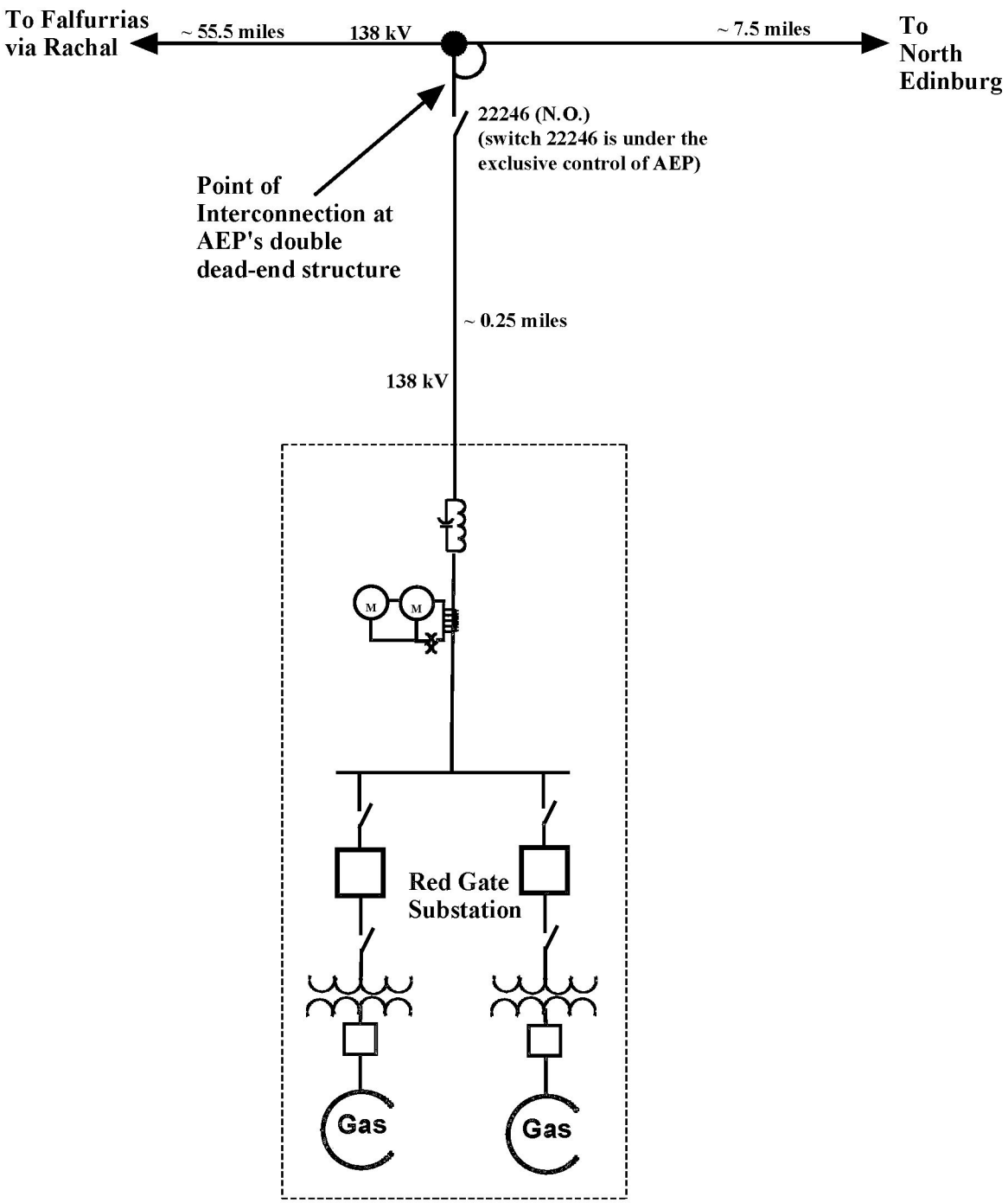
12.2. If the Red Gate Plant is capable of black start operations, STEC will coordinate individual Red Gate Plant start-up procedures consistent with ERCOT Requirements. Any black start operations shall be conducted in accordance with the black start criteria included in the ERCOT Requirements and AEP's Black Start Plan on file with ERCOT. STEC will provide and maintain an emergency communication system that will interface with AEP during a black start condition.

12.3. The normally open disconnect switch (22246) will be under the exclusive control of AEP.

[The remainder of this page is intentionally left blank]

FACILITY SCHEDULE NO. 75 (continued)

One-Line Diagram



STEC-Owned Facilities

AEP-Owned Facilities

Distances as shown are conceptual and not to scale;
Substation not shown completely.