



Control Number: 35077



Item Number: 251

Addendum StartPage: 0

Project No. 35077

**First Amendment to
INTERCONNECTION AGREEMENT
Between
Guadalupe Valley Electric Cooperative
and
LCRA Transmission Services Corporation**

August 19, 2011

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FIRST AMENDMENT TO INTERCONNECTION AGREEMENT

This First Amendment ("Amendment") is made and entered into this 19th day of August, 2011, between the Guadalupe Valley Electric Cooperative, Inc. ("GVEC") and the LCRA Transmission Services Corporation ("LCRA TSC") collectively referred to hereinafter as the Parties.

WHEREAS, the LCRA TSC and GVEC entered into that certain Interconnect Agreement executed February 8, 2011, and;

WHEREAS, the LCRA TSC added a neutral current transformer and relaying current transformer at Cuero Substation, and;

WHEREAS, the LCRA TSC has added relaying CTs associated with circuit breaker 5620 and a 12' x 21' battery house at the Marion Substation, and;

WHEREAS, GVEC is adding the Pilot Grove Substation where LCRA TSC will have transmission equipment

NOW, THEREFORE, in consideration of the mutual promises and undertakings herein set forth, the Parties agree to amend the Agreement as follows:

1. Exhibit "A" is deleted in its entirety and the Exhibit "A" attached to this First Amendment is hereby added to the Agreement in lieu thereof.
2. Facility Schedule No. 1 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 1 attached to this First Amendment is hereby added to the Agreement in lieu thereof.
3. Facility Schedule No. 6 (including the diagrams attached thereto) is deleted in its entirety and Facility Schedule No. 6 attached to this First Amendment is hereby added to the Agreement in lieu thereof.
4. Facility Schedule No. 19 (including the diagrams attached thereto) attached to this First Amendment is hereby added to the Agreement.
5. Facility Schedule No. 1 (including the diagrams attached thereto) attached to this First Amendment will become effective upon execution of this First Amendment by the Parties.
6. Facility Schedule No. 6 (including the diagrams attached thereto) attached to this First Amendment will become effective upon execution of this First Amendment by the Parties.
7. Facility Schedule No. 19 (including the diagrams attached thereto) attached to this First Amendment will become effective upon execution of this First Amendment by the

Parties.

Except as otherwise expressly provided for herein, the Agreement will continue in full force and effect in accordance with its terms.

IN WITNESS WHEREOF, the Parties have caused this First Amendment to be executed in several counterparts, each of which shall be deemed an original but all shall constitute one and the same instrument.

GUADALUPE VALLEY ELECTRIC
COOPERATIVE, INC.

By: 

Name: Robert B. Christmas

Title: Engineering & Operations Manager
Chief Operating Officer

Date: AUGUST 24, 2011

LCRA TRANSMISSION SERVICES
CORPORATION

By: 

Name: Ray Pfefferkorn, P.E.

Title: LCRA Transmission
Engineering Manager

Date: 8/26/11

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FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	EFFECTIVE DATE OF INTERCONNECTION
1	Cuero (18)	12.5 kV	<u>Date of First Amendment</u>
2	Geronimo (3)	138 kV	2/8/2011
3	Gonzales (2)	138 kV	2/8/2011
4	Hallettsville (2)	138 kV	2/8/2011
5	FM 237 Yorktown	69 kV	2/8/2011
6	Marion (2)	138 kV	<u>Date of First Amendment</u>
7	LCRA Nixon (3)	69 kV	2/8/2011
8	Parkway (6)	138 kV	2/8/2011
9	Schumansville (1)	138 kV	2/8/2011
10	Seguin (6)	138 kV	2/8/2011
11	Seguin West (6)	138 kV	2/8/2011
12	Sweet Home (6)	24.9 kV	2/8/2011
13	Thompsonville (3)	4.16 kV	2/8/2011
14	Waelder (6)	12.5 kV	2/8/2011
15	Weiderstein (2)	138 kV	2/8/2011
16	Yoakum-Gartner (11)	12.5 kV	2/8/2011
17	York Creek (1)	138 kV	2/8/2011
18	Cheapside (2)	138 kV	2/8/2011
19	Pilot Grove (2)	138 kV	<u>Date of First Amendment</u>
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FACILITY SCHEDULE NO. 1
Amendment No 1

1. **Name:** Cuero Substation
2. **Facility Location:** The Cuero Substation is located at 1022 E. FM 1447, Cuero, Dewitt County, Texas 77954.
3. **Points of Interconnection:** There are eighteen (18) Points of Interconnection in the Cuero Substation generally described as:
 - where the incoming distribution line connects to the tubular bus between switches CU-311 and CU-313 at breaker CU-310.
 - where the jumper from breaker CU-310 connects to the 4 hole pad on switch CU-309.
 - where the jumper from breaker CU-310 connects to the 4 hole pad on switch CU-311.
 - where the incoming distribution line connects to the tubular bus between switches CU-321 and CU-323 at breaker CU-320.
 - where the jumper from breaker CU-320 connects to the 4 hole pad on switch CU-319.
 - where the jumper from breaker CU-320 connects to the 4 hole pad on switch CU-321.
 - where the incoming distribution line connects to the tubular bus between switches CU-341 and CU-343 at breaker CU-340.
 - where the jumper from breaker CU-340 connects to the 4 hole pad on switch CU-339.
 - where the jumper from breaker CU-340 connects to the 4 hole pad on switch CU-341.
 - where the incoming distribution line connects to the tubular bus between switches CU-351 and CU-353 at breaker CU-350.
 - where the jumper from breaker CU-350 connects to the 4 hole pad on switch CU-349.
 - where the jumper from breaker CU-350 connects to the 4 hole pad on switch CU-351.
 - where the incoming distribution line connects to the tubular bus between switches CU-361 and CU-363 at breaker CU-360.
 - where the jumper from breaker CU-360 connects to the 4 hole pad on switch CU-359.
 - where the jumper from breaker CU-360 connects to the 4 hole pad on switch CU-361.
 - where the incoming distribution line connects to the tubular bus between switches CU-371 and CU-373 at breaker CU-370.
 - where the jumper from breaker CU-370 connects to the 4 hole pad on switch CU-369.

- where the jumper from breaker CU-370 connects to the 4 hole pad on switch CU-371.
4. **Transformation Services Provided by LCRA TSC:** Yes
 5. **Metering Services Provided by LCRA TSC:** Yes
 6. **Delivery Voltage:** 12.5 kV
 7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformers are located inside T-4. The bus potential transformer is located on the 12.5 kV operating bus.
 8. **One Line Diagram Attached:** Yes
 9. **Description of Facilities Owned by Each Party:**

GVEC owns:

- Six (6) distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
- Six (6) distribution circuit breakers CU310, CU320, CU340, CU350, CU360 and CU370 including jumpers and protective relay packages
- Four (4) distribution circuit breaker foundations in bays 3-1, 3-2, 3-4 and 3-5
- One (1) load management system LM
- One (1) resource management system RM
- One (1) modulation transformer MTU-1 and associated surge arrester

LCRA TSC owns:

The Cuero Substation including, but not limited to, the following items:

- 138 kV dead-end structures, foundations, insulators and jumpers
- 138 kV operating bus #1 and transfer bus #1 and #2 including structures, insulators, foundations and jumpers
- Two (2) power transformers T-1 and T-4 with associated surge arresters
- One (1) single phase current transformer CT-21
- One (1) relaying current transformer CT-23
- Two (2) circuit switchers CS-4255 and CS-4285 with associated bypass switch 4258
- Four (4) 138 kV switches 4254, 4257, 4284 and 4287
- All T-4 distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer bus and bus potential transformer
- One (1) total circuit breaker CU-380 and associated foundation, relaying, panels and cabling
- Two (2) distribution circuit breaker foundations in bays # 3-6 and # 3-7
- All T-1 distribution and total bays including A-frames, trusses, insulators,

disconnect switches, surge arresters, 12.5 kV operating and transfer bus, bus potential transformer, metering current transformers and associated cabling

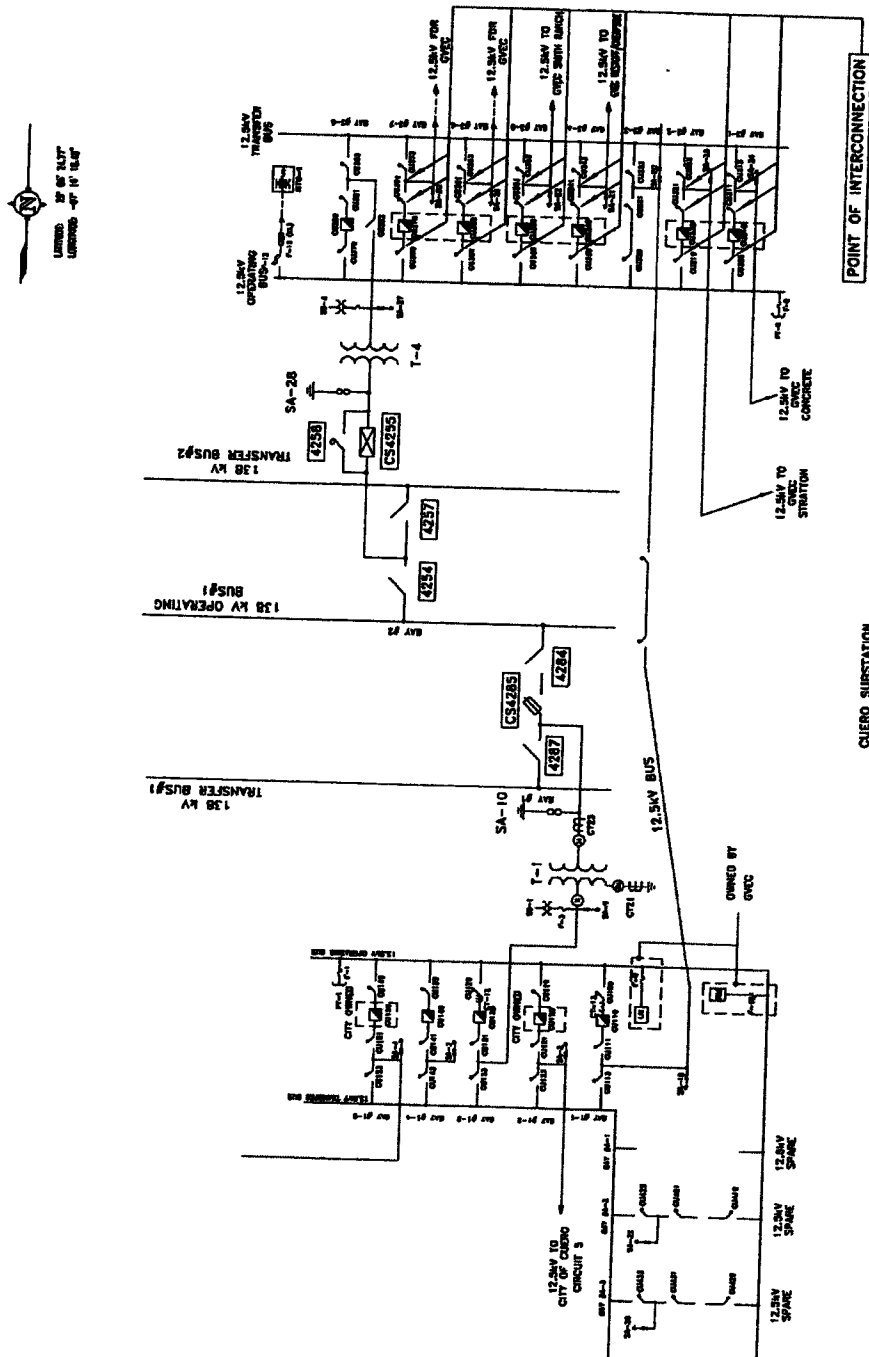
- One (1) total circuit breaker CU-130 with jumpers, protective relaying and foundation
- One (1) bus tie circuit breaker CU-110 including foundations, jumpers, and protection package
- Underfrequency relay panel (not in operation)
- Two (2) station service SS-1 and SS-4
- Control house with battery

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** GVEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.

Amendment No 1



CUERO SUBSTATION

THIS IS NOT A COMPLETE ONE-LINE DIAGRAM
FOR A COMPLETE ONE-LINE DIAGRAM OF THIS
SUBSTATION, REFER TO DRAWING S192-E-0004.

FACILITY SCHEDULE NO. 6
Amendment No 1

1. **Name:** Marion Substation
 2. **Facility Location:** The Marion Substation is located at 1885 Creek Rd., Marion, Guadalupe County, Texas 78124.
 3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Marion Substation generally described as:
 - where the 138 kV operating bus #1 extension bolts to the four hole pad on switch 5599.*
 - where the 138 kV operating bus #2 extension bolts to the four hole pad on switch 5619.*
- * These are the same two (2) Points of Interconnection described in the Interconnection Agreement between LCRA TSC and New Braunfels Utility (NBU) at Marion Substation. 138 kV operating bus #1 and 138 kV operating bus #2 are jointly owned between GVEC (60%) and NBU (40%) according to the Marion Project Agreement, executed between LCRA TSC, GVEC and NBU on May 12, 1978.
4. **Transformation Services Provided by LCRA TSC:** No
 5. **Metering Services Provided by LCRA TSC:** No
 6. **Delivery Voltage:** 138 kV
 7. **Metered Voltage and Location:** N/A
 8. **One Line Diagram Attached:** Yes
 9. **Description of Facilities Owned by Each Party:**

GVEC owns:

 - Four (4) acre tract of land described in the Marion Project Agreement
 - Two (2) 138 kV dead-end structures, foundations, insulators and jumpers (1 is an unused spare)
 - 138 kV bus #1 including structures, insulators, foundations and jumpers (60% share of ownership with NBU)
 - 138 kV bus #2 including structures, insulators, foundations and jumpers (60% share of ownership with NBU)
 - 138 kV bus extensions for 138 kV bus #1 and bus #2 including structures, foundations and insulators (60% share of ownership with NBU)
 - Three (3) 138 kV circuit breakers 5630, 5640 (spare) and 5650 including

- foundations, jumpers and protective relay packages
- Six (6) 138 kV switches 5629, 5631, 5639, 5649, 5659 and 5669 including foundations, structures and jumpers
- One (1) surge arrester SA-19
- One (1) CCVT, CCVT-11
- Two (2) bus potential transformers PT-9 and PT-10 (60% share of ownership with NBU)
- Building (60% share of ownership with NBU)

LCRA TSC owns:

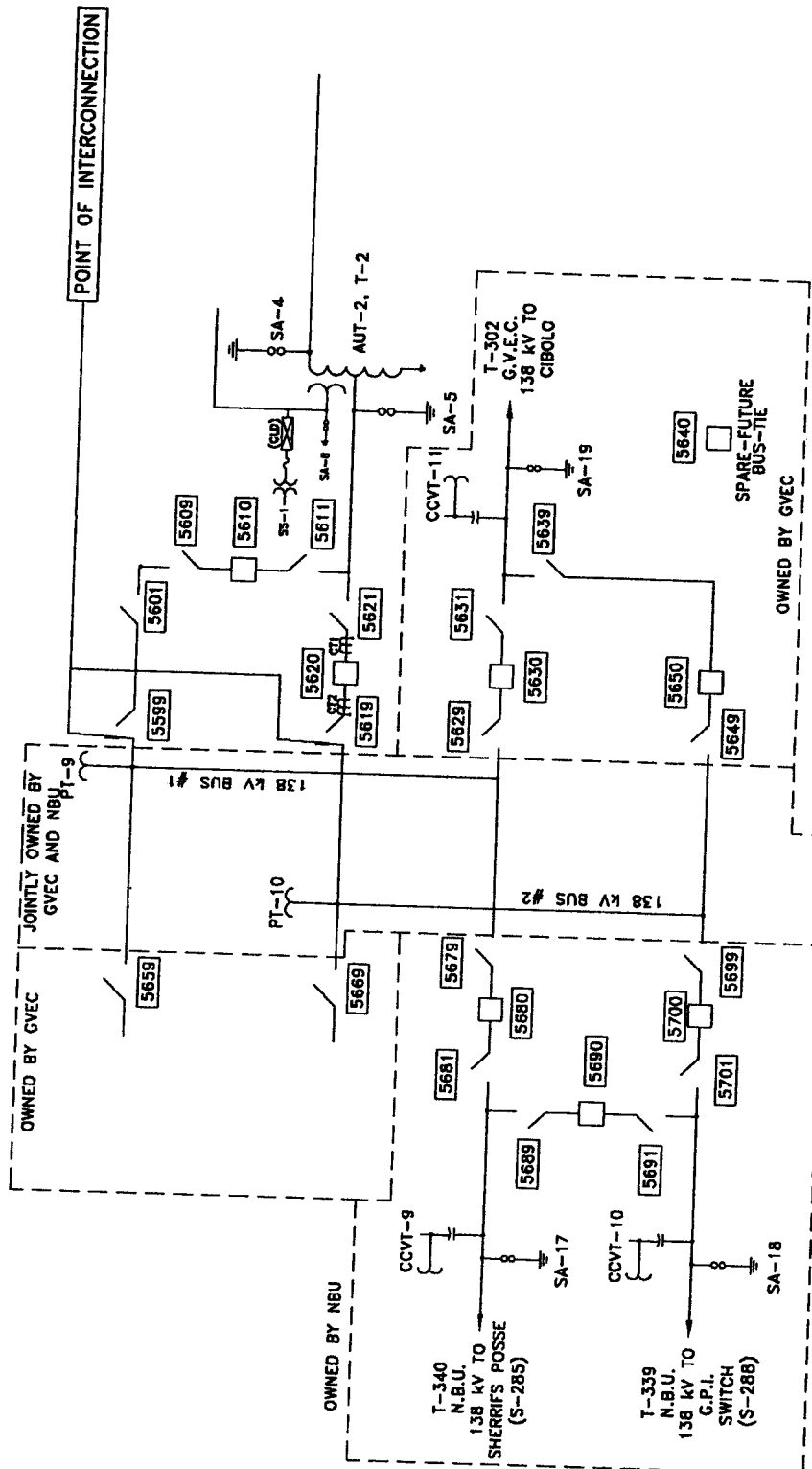
The Marion Substation including, but not limited to, the following items:

- Thirty (30) acre tract of land described in the Marion Project Agreement
- One (1) auto transformer AUT-2, T-2 with associated surge arresters
- Two (2) 138 kV circuit breakers 5610 and 5620 including foundations, jumpers and protective relay packages
- Two (2) current transformers CT-1 and CT-2
- Six (6) 138 kV switches 5599, 5601, 5609, 5611, 5619 and 5621
- Station service SS-1
- Battery bank and charger
- Battery House (12' x 21')

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.
11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.
12. **Other Terms and Conditions:** GVEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.

MARION ONE-LINE DIAGRAM

Amendment No 1



MARION SUBSTATION

THIS IS NOT A COMPLETE ONE-LINE DIAGRAM
FOR A COMPLETE ONE-LINE DIAGRAM OF THIS
SUBSTATION, REFER TO DRAWING S223-E-0001-01.

FACILITY SCHEDULE NO. 19
Amendment No 1

1. **Name:** Pilot Grove Substation
2. **Facility Location:** The Pilot Grove Substation is located at 4490 FM 318 East, Sweet Home, Lavaca County, Texas 77987.
3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Pilot Grove Substation generally described as:
 - where the jumpers from the LCRA TSC 138 kV Operating Bus connects to the 4 hole pad on the GVEC 138 kV disconnect switch 23769.
 - where the jumpers from the LCRA TSC 138 kV Operating Bus connects to the 4 hole pad on the GVEC 138 kV disconnect switch 23799.
4. **Transformation Services Provided by LCRA TSC:** No
5. **Metering Services Provided by LCRA TSC:** Yes
6. **Delivery Voltage:** 138 kV
7. **Metered Voltage and Location:** The metering voltage is 14.4 kV. The metering current transformers are located inside T-1 and T-2. The bus potential transformers are located on the 14.4 kV operating buses.
8. **One Line Diagram Attached:** Yes
9. **Description of Facilities Owned by Each Party:**
Note: Not all items are shown on attached one-line diagram.

GVEC owns:

The Pilot Grove Substation including, but not limited to the following items:

- Five (5) 138 kV disconnect switches 23769, 23774, 23784, 23799 and 23809
- Two (2) circuit switchers CS-23775 and CS-23785
- Two (2) power transformers T-1 and T-2 with associated surge arresters and internal metering CTs for use by LCRA TSC
- All distribution, bus tie and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer bus and bus potential transformers
- All distribution and total circuit breakers including jumpers, foundations and protective relay packages
- Two (2) station service with associated fused disconnects
- Control house and battery bank

LCRA TSC ownership includes but is not limited to the following items:

- Two (2) 138 kV dead-end structures, foundations, insulators and jumpers
- 138 kV operating bus including structures, insulators, foundations and jumpers
- Two (2) 138 kV motor operated switches MO-23779 and MO-23789 with associated interrupters
- One (1) metering panel
- One (1) RTU
- One (1) MOS/CS control/SIP/RTU panel

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

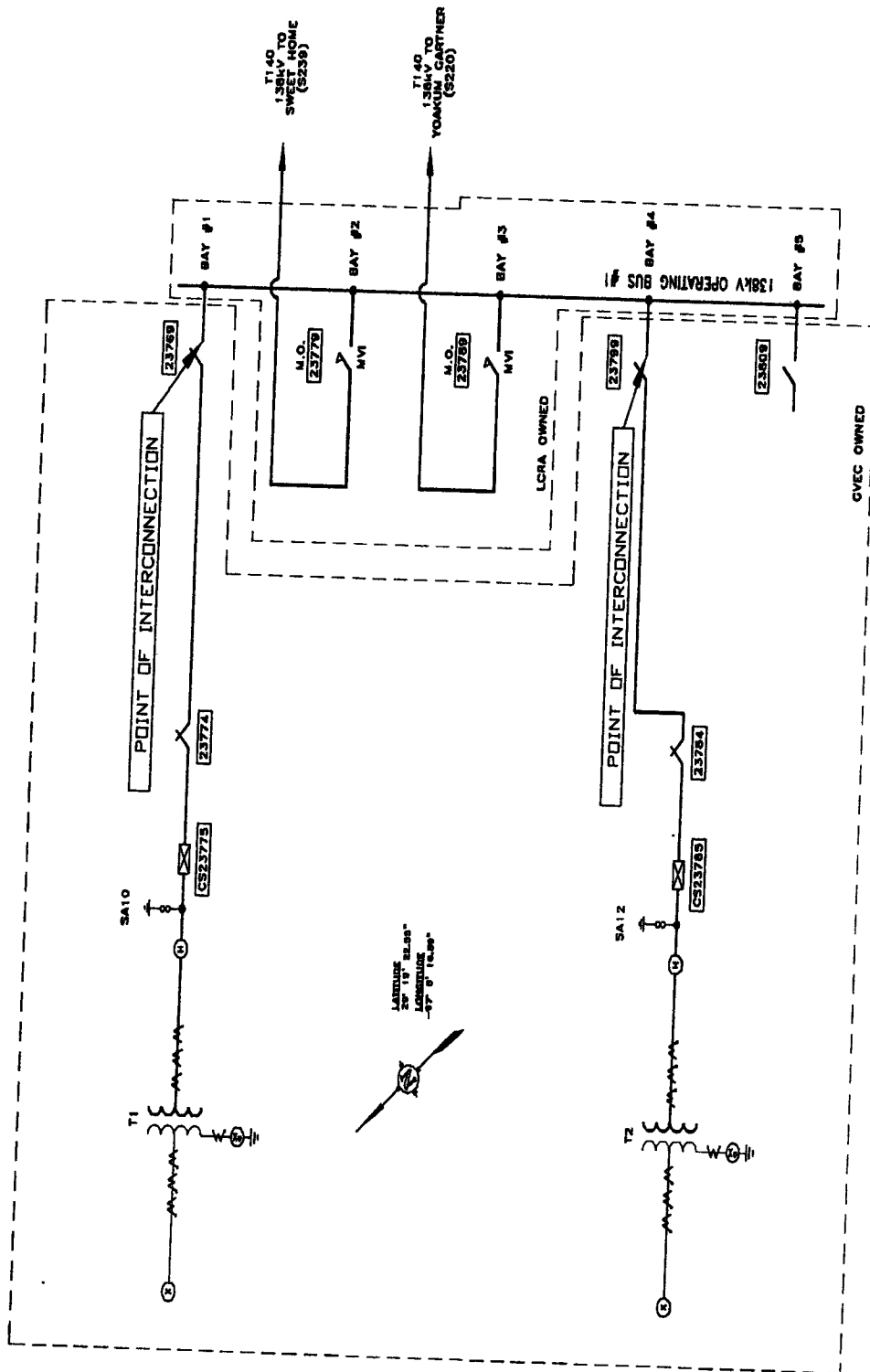
12. **Other Terms and Conditions:**

- a. GVEC and LCRA TSC are to share access to the substation by LCRA TSC locks in the gate and in the control house doors.
- b. GVEC will provide LCRA TSC with 120/240 Vac, 125 Vdc and panel space in the GVEC control house for LCRA TSC equipment as necessary
- c. **Cost Responsibility:** GVEC shall provide written notification to LCRA TSC when GVEC begins serving distribution load from this substation. In the event that GVEC does not provide written notification to LCRA TSC that it is serving distribution load from this substation by April 30, 2012, then LCRA TSC shall notify GVEC that it intends to remove its transmission facilities unless GVEC provides written notification by May 30, 2012 stating that i) GVEC is actually serving distribution load from this substation; or ii) GVEC intends to serve distribution load by November 30, 2012 through installed transformer(s) at this substation. LCRA TSC has the right to remove its facilities if it does not receive written notification as stated above or if GVEC does not actually serve load from this substation by November 30, 2012 and if LCRA TSC does remove its facilities for these reasons then GVEC shall reimburse LCRA TSC for the costs in installing and removing the LCRA TSC portion of this substation.

Otherwise, if GVEC is serving distribution load from this substation and has notified LCRA TSC accordingly, then each Party will be fully responsible for the liabilities related to the facilities it owns and GVEC and LCRA TSC will each be individually responsible for all costs it incurs in connection with the establishment of this Point of Interconnection in accordance with this Facility Schedule. The provisions of this Section shall survive termination of the Agreement and/or this Facility Schedule.

PILOT GROVE ONE-LINE DIAGRAM

Amendment No. 1



PILOT GROVE SUBSTATION
THIS IS NOT A COMPLETE ONE-LINE DIAGRAM
FOR A COMPLETE ONE-LINE DIAGRAM SEE DRAWING S681-E-0001-01