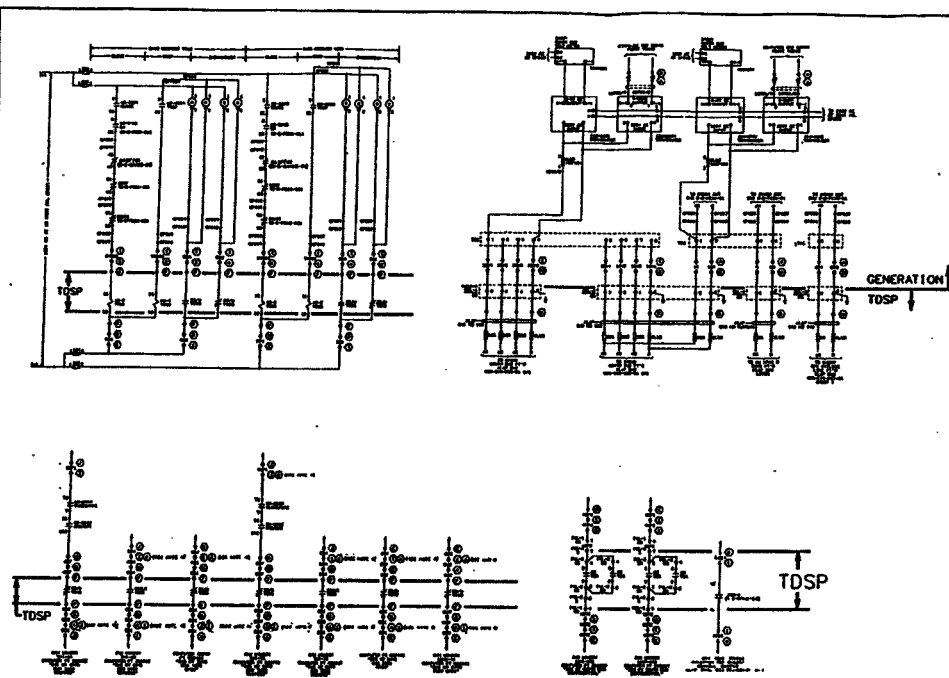


SOAH Docket No. 473-05-7455  
 Docket No. 31056  
 Cities' 22nd, Q. # 4  
 Attachment 2  
 Page 44 of 55

DETAILS ON THE LOAD CENTER 12H SWITCHYARD TIES PANEL #1.  
 THE TRANSMISSION DISTRIBUTION SERVICE PROVIDER MAINTAINS  
 THE PANEL. THE CABLE AND CONNECTIONS SHOWN ON THIS  
 DRAWING ARE MAINTAINED BY GENERATION PLANT.

SWITCHYARD INFORMATION FROM  
 00000E0XS01 SHT. 02.

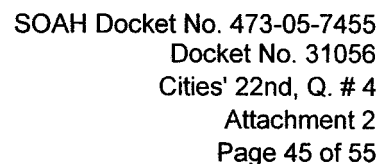
06055.001  
 06055.CIT



DETAILS ON THE 345 Kv NORTH AND SOUTH BUS POTENTIAL TRANSFORMERS THAT FEED  
 METERING AND INDICATION TO UNIT 2 GENERATION PLANT. THE TRANSMISSION  
 DISTRIBUTION SERVICE PROVIDER WOULD MAINTAIN THE POTENTIAL TRANSFORMERS, CABLING  
 AND SECONDARY FUSES TO THE SWITCHYARD PLANT TIES PANEL #1. THE CABLING FROM THE  
 SWITCHYARD PLANT TIES PANEL #1 TO PLANT WOULD BE MAINTAINED BY GENERATION PLANT.  
 THE GENERATION PLANT WILL NEED TO OPERATE OR HAVE OPERATED THE SLIDE LINKS.

SWITCHYARD INFORMATION FROM  
 000020EXS03 SHT. 01

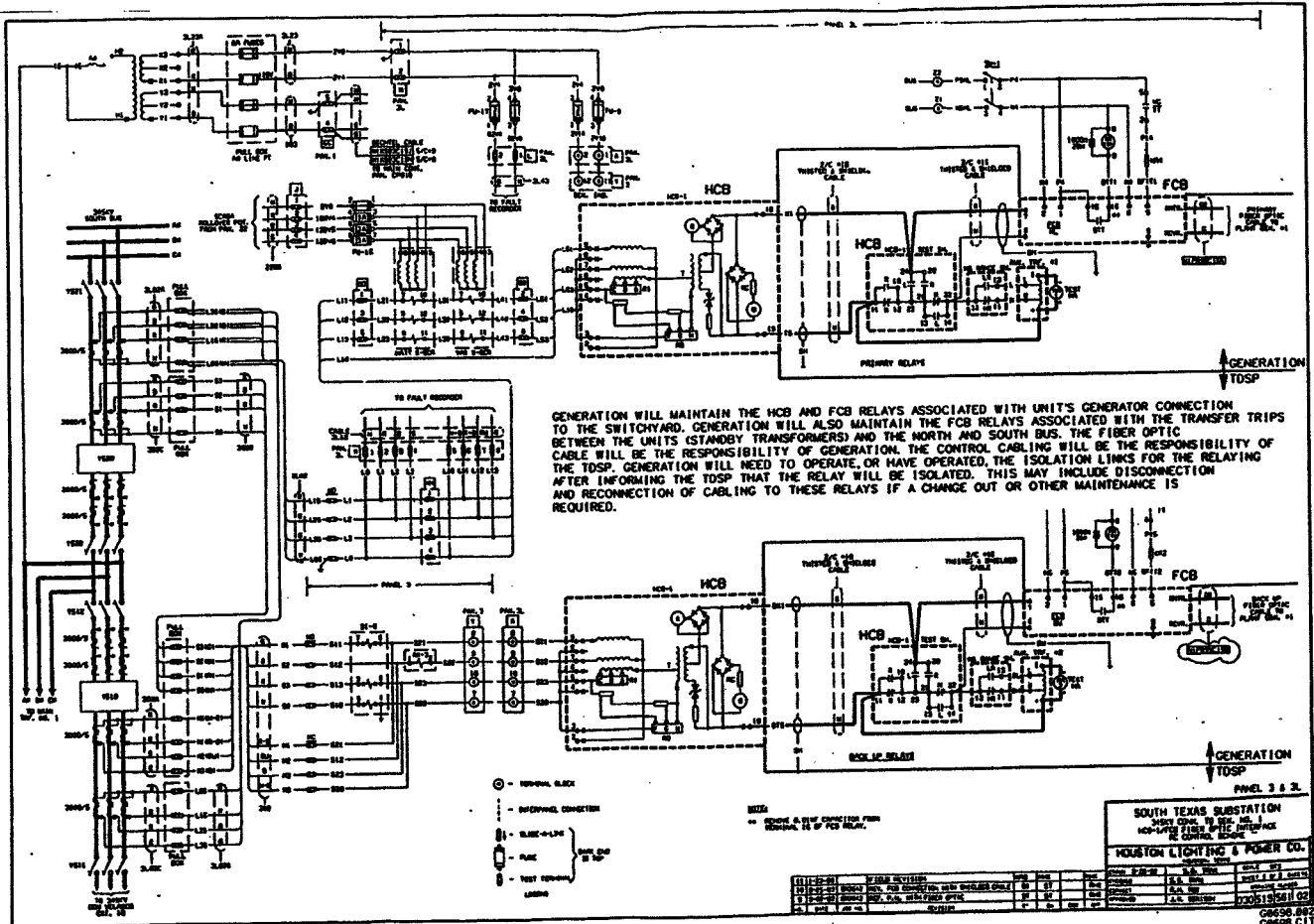
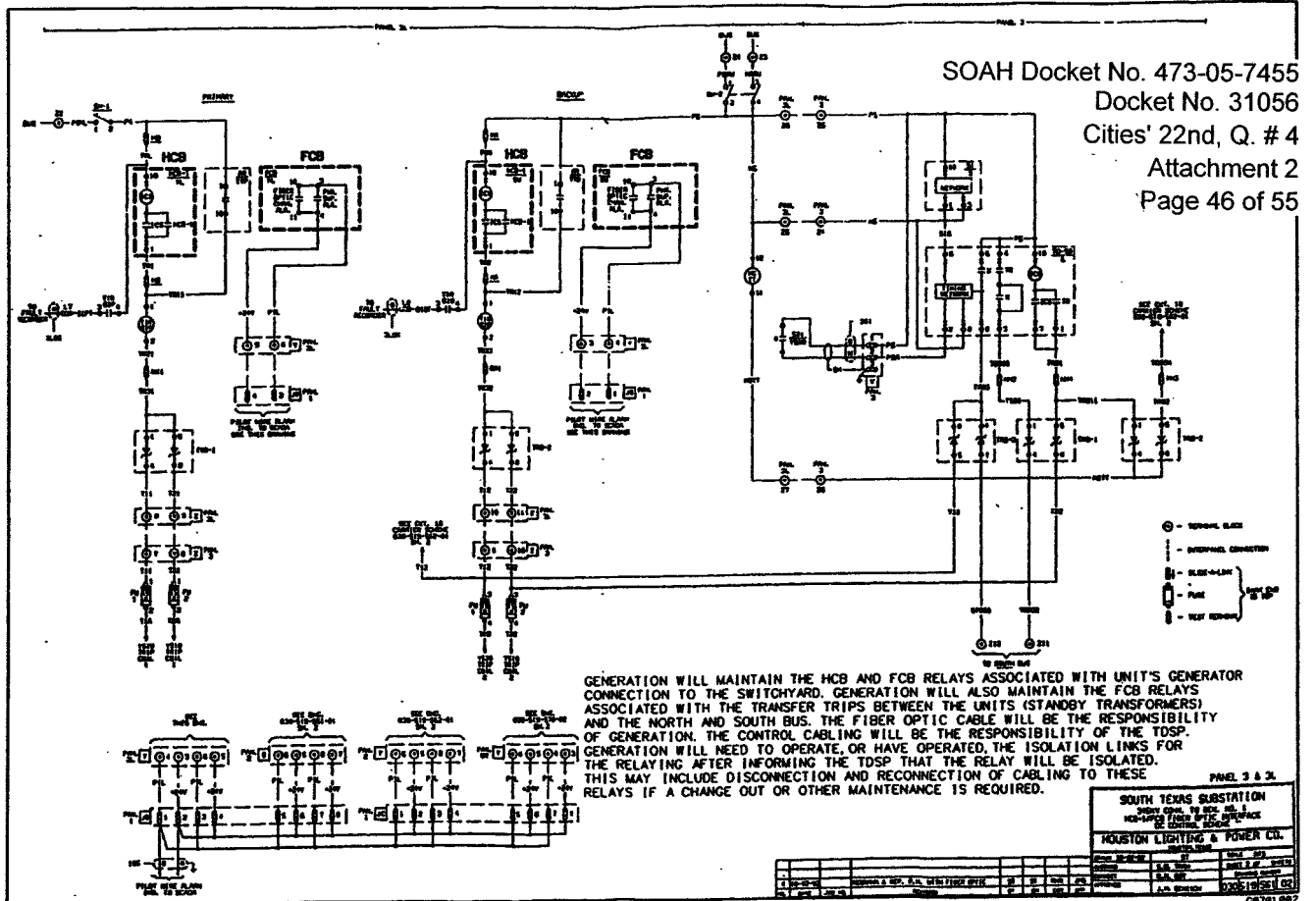
06090.002  
 06090.CIT

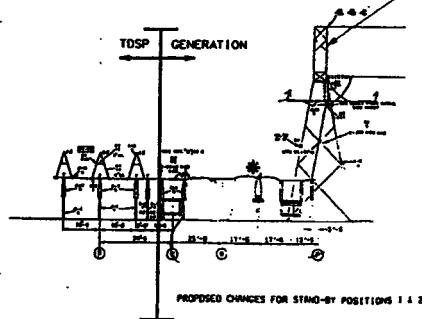


SWITCHYARD INFORMATION FROM  
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**G0691.002**

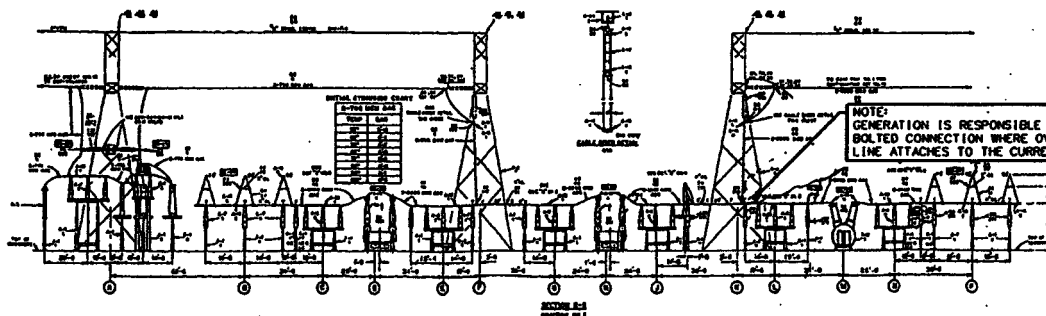






\* STANDBY TRANSFORMER #2 JURISDICTIONAL BOUNDARY IS THE BOLTED CONNECTION WHERE 345 KV LINE SWITCH 824 SPLIT TO THE 345 KV SOUTH BUS. THE TDS# 15 IS RESPONSIBLE FOR THE BOLTED CONNECTION. THE TDS# 15 IS RESPONSIBLE FOR THE STANDBY TRANSFORMER #2 METERING CURRENT TRANSFORMERS (3) AND ASSOCIATED HARDWARE. THE GENERATOR IS RESPONSIBLE FOR THE EQUIPMENT FROM THE LINE SWITCH 824 BACK TO THE STANDBY TRANSFORMER EXCEPT FOR METERING CURRENT TRANSFORMERS.

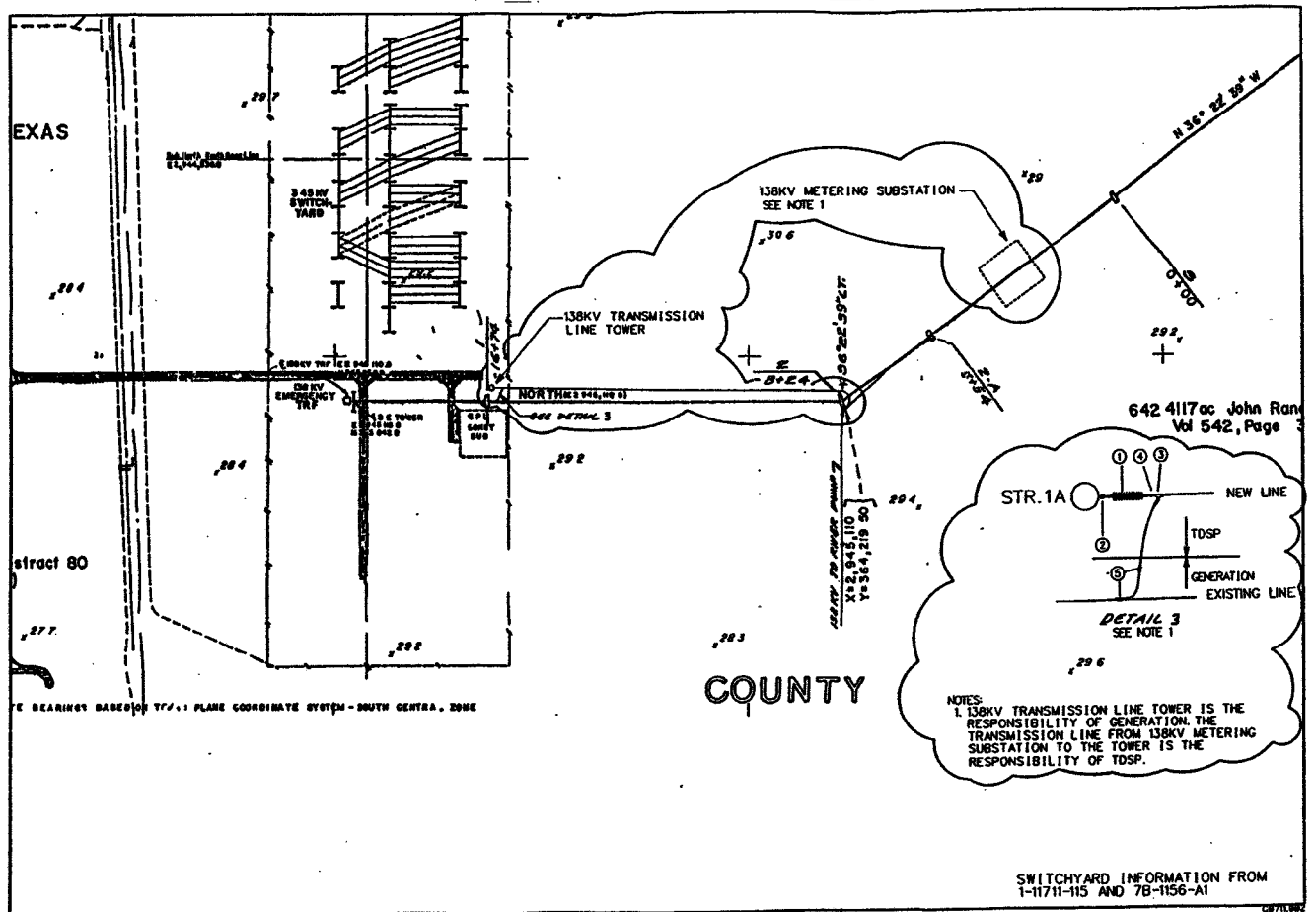
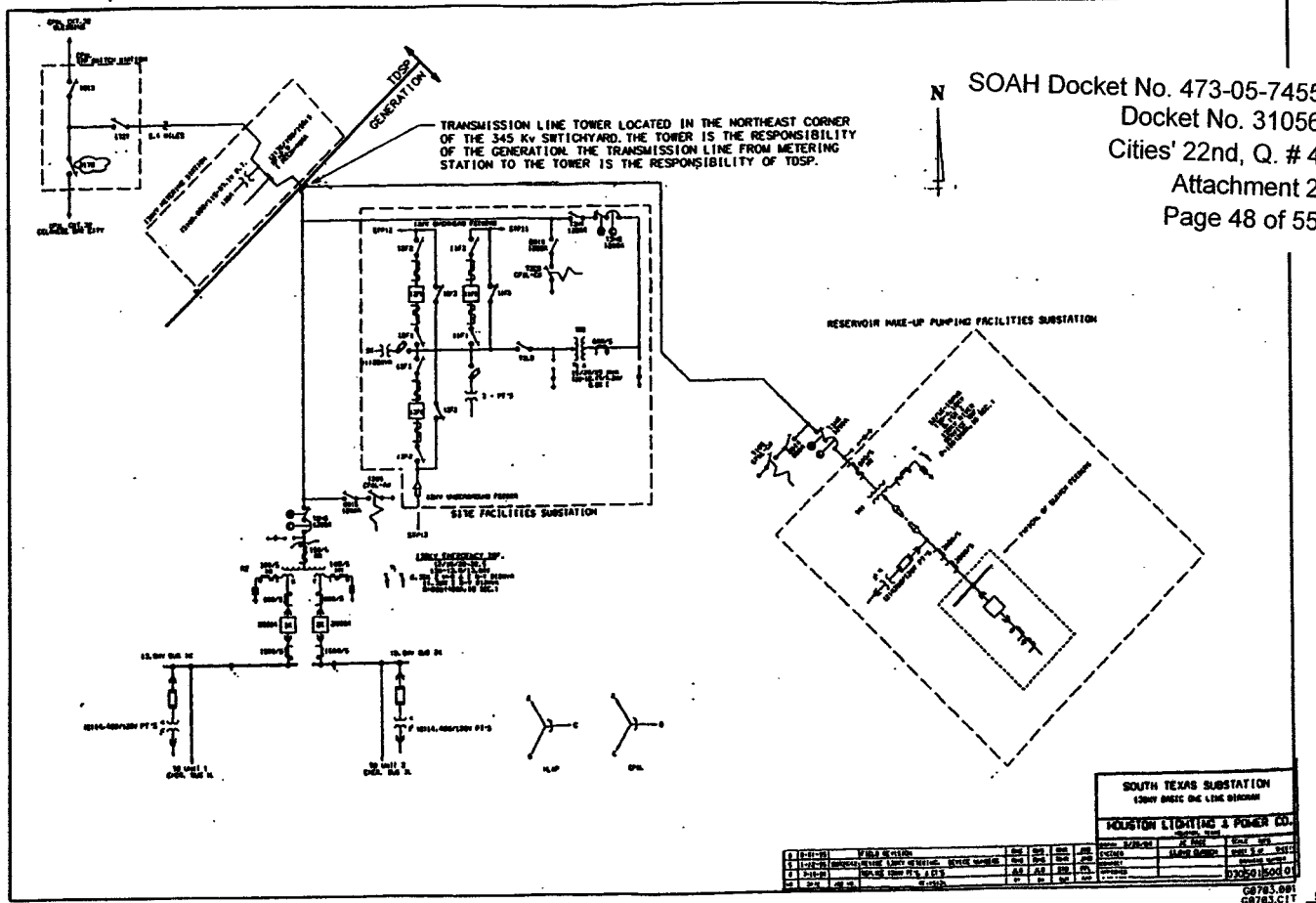
G0699.002  
G0699.CIT



SOL. OF MATERIAL		PROJECT YEAR		SOL. OF MATERIAL	
PRICE	UNDER COSTS	UNDER COSTS	UNDER COSTS	UNDER COSTS	UNDER COSTS
1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000

SEE PLAN FOR SPECIAL NOTES

GA700.002  
GA700.CIT



**Exhibit "C"**  
**Notice Information of the ERCOT Standard Generation Interconnection Agreement**

<b>(a) All notices of an OPERATIONAL nature shall be in writing and/or may be sent between the Parties via electronic means including facsimile as follows:</b>	
<b>If to South Texas Project Nuclear Operating Company</b>	<b>If to AEP Central</b>
<b>South Texas Project</b> <b>Attn: David W. Rencurrel, Manager, Plant Operations</b> <b>Address: P. O. Box 189</b> <b>Wadsworth, Texas 77483</b> <b>24 Hour Telephone (361) 972-7867</b> <b>Operational/Confirmation Fax (361) 972-8273</b> <b>E-mail: dwrencurrel@sptegs.com</b>	<b>AEP Central</b> <b>Attn: Dennis Kunkel</b> <b>Address: 5502 Corporate Drive</b> <b>Corpus Christi, Texas 78405</b> <b>24 Hour Telephone (361) 813-4140</b> <b>Operational/Confirmation Fax (361) 289-4030</b> <b>E-mail: dkunkel@aep.com</b>
<b>If to Austin Energy</b>	<b>If to Reliant Energy HL&amp;P</b>
<b>Austin Energy</b> <b>Attn: David Wood, Director Transmission &amp; Substation</b> <b>Address: 2526 Kramer Lane</b> <b>Austin, Texas 78758</b> <b>24 Hour Telephone: 512-505-7250</b> <b>Operational/Confirmation Fax: 512-505-7077</b> <b>E-mail: david.wood@austinenenergy.com</b>	<b>Reliant Energy HL&amp;P</b> <b>Attn: Transmission Planning &amp; Control - Real Time Operations</b> <b>P.O. Box 1700</b> <b>Houston, Texas 77251</b> <b>24 Hour Telephone 713-207-2393</b> <b>Operational/Confirmation Fax 713-207-2349</b>
<b>If to City of San Antonio</b>	
<b>City Public Service of San Antonio</b> <b>Attn: Transmission Operations</b> <b>Address: P.O. Box 1771</b> <b>San Antonio, Texas 78296</b> <b>24 Hour Telephone: 210-354-0174 or 210-354-0139</b> <b>Operational/Confirmation Fax: 210-353-2772</b> <b>E-mail: cpsso@cps-ems.com</b>	

<b>(b) Notices of an ADMINISTRATIVE nature:</b>	
<b>If to South Texas Project Nuclear Operating Company</b>  Company Name Attn: David W. Rencurrel, Manager, Plant Operations Address: P. O. Box 289 Wadsworth, Texas 77483 Phone: 361-972-7867 Fax: 361-972-8273 E-mail: dwrencurrel@stpegs.com	<b>If to AEP Central</b>  AEP Central Attn: Richard Verret Mark Bailey Address: AEP Columbus, Ohio 24 Hour Telephone: 614-552-2600 614-552-1700 E-mail: rpverret@aep.com mabailey@aep.com
<b>If to Austin Energy</b>  Austin Energy Attn: Mr. Al Lujan, Sr. VP Electric Service Delivery Address: 721 Barton Springs Road Austin, Texas 78704 24 Hour Telephone: 512-322-6062 Operational/Confirmation Fax: 512-322-6037 E-mail: alLujan@austinenenergy.com	<b>If to Reliant Energy HL&amp;P</b>  Reliant Energy HL&P Manager, Transmission Market Operations P.O. Box 1700 Houston, TX 77251 Phone 713-207-2801 Fax: 713-207-2802
<b>If to City of San Antonio</b>  City Public Service of San Antonio Attn: Mr. Fidel Marquez Address: P. O. Box 1771 San Antonio, Texas 78296 24 Hour Telephone: 210-353-3777 Operational/Confirmation Fax: 210-353-3058 E-mail: fmarquez@cps-satx.com	

**EXHIBIT "D".**

**SOUTH TEXAS PROJECT  
SWITCHYARD AND TRANSMISSION  
SECURITY AND INTERFACE  
SERVICES AGREEMENT**

**Parties:** The parties to this Agreement are the owners of the STP Transmission Facilities pursuant to the STP Transmission Facilities Participation Agreement dated the Effective Date (the "TDSP") and STP Nuclear Operating Company ("OPCO"), the operator of the South Texas Project pursuant to the Operating Agreement effective as of November 17, 1997.

**Recitals:** The TDSP own, maintain and operate the STP Transmission Facilities, including those located at the South Texas Plant Site. OPCO maintains and operates the South Texas Project including the South Texas Plant Site and the Generating Units connected to the STP Transmission Facilities. This Agreement defines the respective commitments and responsibilities of OPCO and TDSP regarding the Switchyard and the STP Transmission Facilities, including the Construction Power Line.

**Definitions:** Capitalized terms shall have the meanings set forth in the STP Transmission Facilities Participation Agreement and the Amended Operating Agreement. "Exclusion Area" is as defined in the Updated Final Safety Analysis Report ("USFAR") for each Generating Unit.

**CONSTRUCTION POWER LINE METERING FACILITY:** The 138 kV structure, 138 kV instrument transformers and revenue meters located in the Transmission Corridor.

**SOUTH TEXAS PLANT SITE:** A parcel of land in Matagorda County, Texas, consisting of approximately 11,000 acres and being located in Matagorda County, Texas.

**SOUTH TEXAS PROJECT:** The South Texas Plant Site and the two existing nuclear steam electric generating units situated thereon, each having a Capacity of approximately 1250 MW and all associated property, facilities and structures used therewith or related thereto on or adjacent to the South Texas Plant Site. Said definition shall also include any Additional Generating Unit located on the South Texas Plant Site pursuant to the Participation Agreement.

**STP TRANSMISSION FACILITIES:** The Switchyard, Switchyard Facilities, Transmission Corridor, Towers and Circuits, Construction Power Line and Construction Power Line Metering Facility.

**SWITCHYARD:** An area of land in the South Texas Project Plant Site.



AGREEMENT

I. EXCLUSION AREA CONTROL, SWITCHYARD ACCESS AND SECURITY

- (1) The authority of OPCO, set forth in Section 3.2 of the Operating Agreement, to exercise complete control over the Switchyard and other property in the vicinity of the Switchyard, includes the authority to conduct interactions with law enforcement agencies which are deemed necessary by OPCO and the authority to file associated civil or criminal complaints against third parties as deemed necessary by OPCO. The parties will cooperate in good faith as jointly determined appropriate to support prosecution of any such complaints.
- (2) The parties shall maintain Switchyard perimeter fence gates in a locked condition except when attended or to allow ingress or egress. Switchyard access will be controlled in accordance with OPCO Switchyard access procedures.
- (3) OPCO will make regular security patrols of the Switchyard.
- (4) OPCO will provide, including measures made necessary by needed maintenance, repair or replacement of security devices or equipment as appropriate, any permanent and temporary security measures for the Switchyard.
- (5) Authorized personnel entering the Switchyard for the performance of duties or activities will do so in accordance with the OPCO Switchyard access procedure, which shall not unreasonably restrict access needed to perform responsibilities hereunder.
- (6) The TDSPs will not exercise their right to use the surface in any area within the Exclusion Area to explore for or recover minerals or convey or lease their mineral rights within the Exclusion Area to any third party without OPCO approval.

II. OPERATIONS

- (1) OPCO personnel will make regular rounds of the Switchyard equipment for which OPCO is responsible, as identified in Section III of this Agreement and carry out the following activities:
  - (a) make observations of equipment,
  - (b) obtain readings of appropriate equipment parameters,
  - (c) conduct other routine activities at the request of the TDSP, and
  - (d) provide the TDSP with appropriate reports as to findings during these activities.
- (2) The TDSP will make regular rounds of the Switchyard equipment for which the TDSP are responsible, as identified in Section II of this Agreement, and carry out the following activities:

- (a) make observations of equipment and facilities,
  - (b) obtain readings of appropriate equipment parameters, and
  - (c) provide OPCO with appropriate reports as to the findings during these activities.
- (3) The parties will operate equipment located in the Switchyard as follows:
- (a) OPCO will be the exclusive operator of the four 345KV main generator output breakers, except for maintenance activities as designated in Section III of this Agreement. OPCO will coordinate the operation of these breakers with the TDSP.
  - (b) OPCO will be the exclusive operator of the Emergency Transformer, Site Facilities Transformer and Reservoir Make-up Pumping Facility Transformer including the primary disconnect and ground switch and its associated components and load side distribution equipment.
  - (c) The TDSP will normally operate (or provide for the operation of) all 345KV breakers and associated equipment, including disconnects, other than the four 345KV main generator output breakers, remotely or locally, but authorized OPCO personnel will operate any such breakers or other equipment locally in the Switchyard at the TDSP' request.
  - (d) OPCO will be informed in advance by the TDSP of the operation of all Switchyard breakers and disconnects to remove equipment from service.
  - (e) OPCO will provide other operating support for the Switchyard at the request of the TDSP.
- (4) The TDSP will operate Switchyard equipment as necessary for maintenance to be performed in accordance with Section III below and will return equipment to service upon completion of maintenance, following notification to the appropriate OPCO Operations Shift Supervisor.

### III. MAINTENANCE AND ENGINEERING

- (1) OPCO will have maintenance and engineering responsibility (including necessary repair or replacement, configuration control, and related engineering functions) for the STP transformers not in the Switchyard, and the Site Facilities Substation and Emergency Transformer and their associated load side equipment/components which are located in the Switchyard.
- (2) OPCO will have maintenance responsibility (including necessary repair or replacement) for the load side distribution circuits (12.47/7.2KV) of the Site Facilities Substation which provide service to STP.

- (3) The TDSP will have maintenance and engineering responsibility (including necessary repair or replacement, configuration control, and related engineering functions) for all other equipment located in the Switchyard, including, but not limited to:
- (a) 345KV breakers (including the four 345KV main generator output breakers) and transformers and related equipment; and
  - (b) manual and motorized disconnects; and
  - (c) shunt reactors.
- (4) OPCO will be responsible for procuring, filling, analyzing and replacing transformer oil for STP transformers identified in Section III(1) above.
- (5) Maintaining an appropriate inventory of spare parts for the equipment identified in this Section III will be the responsibility of the party that is responsible for maintaining the equipment as specified in this Section.

#### IV. COORDINATION

- (1) OPCO will coordinate planned plant outages and planned load reductions with the TDSP.
- (2) The TDSP will coordinate with OPCO all activities which will directly affect power supply to STP. At a minimum, the Participant's System Dispatching or maintenance crew will inform the appropriate Operations Shift Supervisor during the planning of these activities. Activities which cannot be planned in advance and the detailed conduct of planned activities will be coordinated with the Operations Shift Supervisor. These activities include, but are not limited to:
- (a) removal from service of any transmission line terminating in the Switchyard;
  - (b) breaker switching which can affect power supply to STP (i.e., switching of lines identified in Item (a) above); and
  - (c) maintenance activities which can affect power supply to STP.

#### V. REVIEW AND APPROVAL

- (1) The TDSP will obtain OPCO review and approval of procedure changes, design changes, tests or changes in the conduct of other activities which might affect compliance with regulatory requirements, the USFAR and/or commitments involving the Switchyard and associated transmission lines and equipment which could affect off-site power supply to STP prior to implementing such changes or commencing such tests. These activities will include, as a minimum, any design changes or tests that could affect the grid stability analysis performed for STP.
- (2) OPCO will review these proposed changes and tests in accordance with applicable commitments and regulatory requirements and will obtain prior NRC approval if required.

VI. PROCEDURES

So that OPCO will be capable of operating South Texas Project in accordance with the Operating Licenses and applicable regulatory requirements, the TDSP agree that they will not make any changes to facilities, procedures or practices that may result in failure to comply with NRC regulations or commitments or the terms of the Operating Licenses, including, but not limited to, physical changes to the electrical transmission or distribution facilities that directly provide an off-site power supply to South Texas Project, without prior consultation with and written consent from OPCO, which consent OPCO shall not unreasonably withhold.

VII. TRAINING

- (1) OPCO will provide regular training (on a schedule jointly agreed to by the TDSP and OPCO) to TDSP' dispatcher personnel to explain the critical need for power at STP during emergencies, the legal requirements associated with STP power supply and associated procedures.
- (2) The TDSP will make appropriate dispatcher personnel available to receive training on a schedule jointly agreed to by the TDSP and OPCO.

VIII. GENERAL

- (1) On the Effective Date of this Agreement, this Exhibit "D" shall replace and supercede Exhibit A to the South Texas Project Operating Agreement effective as of November 17, 1997.
- (2) Prior to any changes being made to this Agreement, OPCO will review the proposed change to assure that it is in compliance with its licensing commitments and regulatory requirements applicable to STP. If regulatory approval is needed, OPCO will obtain that approval prior to the changes being made.