

# ORIGINAL

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF 1	PAGES 2
2. AMENDMENT/MODIFICATION NO <b>004</b>	3. EFFECTIVE DATE June 1, 2011	4. REQUISITION/PURCHASE REQ. NO N/A	5. PROJECT NO. (if applicable)	
6. ISSUED BY  U.S. DEPARTMENT OF ENERGY Savannah River Operations Office Office of Acquisition Management P.O. Box A Aiken SC 29802		CODE	7. ADMINISTERED BY (if other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  South Carolina Electric & Gas (SCE&G) Large Customer Group Attn: Sid Ballentine 220 Operations Way Columbia SC 29033-9701		(X)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-06SR22434	
CODE	FACILITY CODE —		10B. DATED (SEE ITEM 13) June 01, 2006	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers \_\_\_ is extended, \_\_\_ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods.

(a) By completing Items 8 and 15, and returning \_\_\_ copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

N/A

B/NC:

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

( )	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: <b>FAR Clause 52.217-9, "Option to Extend the Term of the Contract"</b>
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor \_\_\_ is not, X is required to sign this document and return 1 original copies to the issuing Office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

(See Page 2)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remain unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) W. Keller Kissam Senior Vice President of Retail Operations		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROBERT S. HAMLETT, Contracting Officer	
15B. CONTRACTOR/OFFEROR <i>W. Keller Kissam</i> (Signature of person authorized to sign)	15C. DATE SIGNED 11 May 11	16B. UNITED STATES OF AMERICA <i>Robert S. Hamlett</i> (Signature of Contracting Officer)	16C. DATE SIGNED 17 May 11

- A. Modification 004 is hereby bilaterally issued for the purpose of exercising the contract Option 1 Period of Performance (1 June 2011 – 31 May 2012).
- B. Pursuant to FAR Clause 52.217-9, titled "Option to Extend the Term of the Contract", Option 1 Period of Performance is hereby exercised for the period of 1 June 2011 – 31 May 2012.
- C. SCE&G shall provide Electrical Service and Operation & Maintenance during the Option 1 Period of Performance for the contract rates set forth in contract Section B.02, Estimated Contract Price, Option 1 Period of Performance and any approved rate increases that have been incorporated as mandated by the South Carolina Public Service Commission (PSC) in accordance with Clause I.07. The list of South Carolina PSC approved Rate Order and Fuel Cost Order Docket & Order Numbers (includes all PSC approved orders since the contract award date) is attached and considered officially incorporated into the contract by this modification. SCE&G shall perform under the terms and conditions as described in Section C, Description and Specifications/Statement of Work and any mutually agreed contract modifications.
- D. The funding, invoicing and payment method for the one-year period of performance will be conducted the same as in the base period and subject to the contract clauses B.04, titled "Limitation of Government's Obligation" and 52.218 titled "Availability of Funds".
- E. All other terms and conditions remain unchanged.

South Carolina Public Service Commission (PSC) Approved Rate Order and Fuel Cost Order Docket&Order Numbers (includes all PSC approved orders since contract award)

RATE ORDERS

Docket Number 2004-178-E, Order Number 2005-2, January 6, 2005  
<http://dms.psc.sc.gov/pdf/orders/4DB74F70-0E91-F9ED-0DC26228E5A6A520.pdf>

Docket Number 2007-229-E, Order Number 2007-855, December 14, 2007  
<http://dms.psc.sc.gov/pdf/orders/D99F8C7E-B773-257F-BF18CF4490D4815B.pdf>

Docket Number 2008-196-E, Order Number 2009-104(A), March 2, 2009  
<http://dms.psc.sc.gov/pdf/orders/5E3440FB-FC31-8115-18C5057D0608F8EF.pdf>

Docket Number 2009-211-E, Order Number 2009-696, September 30, 2009  
<http://dms.psc.sc.gov/pdf/orders/0C1911EB-950F-35D1-980B01AD2C97D6D6.pdf>

Docket Number 2009-293-E, Order Number 2010-12, January 21, 2010  
<http://dms.psc.sc.gov/pdf/orders/6600E655-DB88-C849-33F254D73DE0232A.pdf>

Docket Number 2009-489-E, Order Number 2010-471, May 21, 2010  
<http://dms.psc.sc.gov/pdf/matters/CB21A76E-A9A0-527A-B479070297A68CDA.pdf>

Docket Number 2010-157-E, Order Number 2010-625, September 30, 2010  
<http://dms.psc.sc.gov/pdf/orders/6814DFF0-E0BA-73B5-EACA03755EBBF8A9.pdf>

FUEL COST ORDERS

Docket Number 2005-2-E, Order Number 2005-187, May 5, 2005  
<http://dms.psc.sc.gov/pdf/orders/CCA8C665-9F67-2052-4087FF2473406BE1.pdf> (Order)  
<http://dms.psc.sc.gov/pdf/orders/CCA96D1B-DF47-5D6A-8A1A32809B15B6DA.pdf> (Exhibit)

Docket Number 2006-2-E, Order Number 2006-235, April 25, 2006  
<http://dms.psc.sc.gov/pdf/orders/D76FAD53-BE36-9433-7947A5C7430F1699.pdf>

Docket Number 2007-2-E, Order Number 2007-257, April 23, 2007  
<http://dms.psc.sc.gov/pdf/orders/236A7BA1-94A0-0530-136F93D9482F873C.pdf>

Docket Number 2008-2-E, Order Number 2008-323, April 30, 2008  
<http://dms.psc.sc.gov/pdf/orders/A0E8C761-DBD0-243A-4E04F8140F103EA5.pdf>

Docket Number 2008-302-E, Order Number 2008-742, October 30, 2008  
<http://dms.psc.sc.gov/pdf/orders/682AE146-E900-08FC-7E32611579AC8472.pdf>

Docket Number 2009-2-E, Order Number 2009-289, April 30, 2009  
<http://dms.psc.sc.gov/pdf/orders/F7798EC7-FF38-8E24-69988149AA23DDFC.pdf>

Docket Number 2010-2-E, Order Number 2010-336, April 29, 2010  
<http://dms.psc.sc.gov/pdf/orders/4EA5FA73-CC0C-9662-28CB1DCD27864786.pdf>

Docket Number 2011-2-E, Order Number 2011-319, April 26, 2011  
<http://dms.psc.sc.gov/pdf/orders/9342D369-CE9B-FD27-F106B45DE87CD9A6.pdf>

May 10, 2011



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO 003	3. EFFECTIVE DATE April 1, 2011	4. REQUISITION/PURCHASE REQ. NO N/A	5. PROJECT NO. (if applicable)
6. ISSUED BY U.S. DEPARTMENT OF ENERGY Savannah River Operations Office Office of Acquisition Management P.O. Box A Aiken SC 29802	CODE	7. ADMINISTERED BY (if other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) South Carolina Electric & Gas (SCE&G) Large Customer Group Attn: Sid Ballentine 220 Operations Way Columbia SC 29033-9701		(X)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-06SR22434
CODE	FACILITY CODE		10B. DATED (SEE ITEM 13) June 01, 2006

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers \_\_\_ is extended, \_\_\_ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods.

(a) By completing Items 8 and 15, and returning \_\_\_ copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

N/A

B/NC:

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Mutual Agreement Between Both Parties

E. IMPORTANT: Contractor \_\_\_ is not, \_\_\_X\_\_\_ is required to sign this document and return \_\_\_1\_\_\_ original copies to the issuing Office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

APPROVED AS TO LEGALITY AND FORM  
jm  
4-1-11

(See Page 2 and Attachment)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remain unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) W. Keller KISSAM Senior Vice President of Retail Operations		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROBERT S. HAMLETT, Contracting Officer	
15B. CONTRACTOR/OFFEROR <i>W. Keller KISSAM</i> (Signature of person authorized to sign)	15C. DATE SIGNED 1 April 2011	16B. UNITED STATES OF AMERICA <i>Robert S. Hamlett</i> (Signature of Contracting Officer)	16C. DATE SIGNED 1 April 2011



A. The purpose of this bilateral modification is to: (1) Insert the contract language insert pages for increased scope to perform Operations & Maintenance for (O&M) Electrical Substation 23 (scope is attached to this modification) as Paragraph C.02.2, Page 11b and 11c, to the Contract, (2) Add Item No. 0001C, 0002C, 0003C, and 0004C and associated pricing to Section B.02 Estimated Contract Price, and (3) clarify future invoice submissions.

(1) Insert the attached contract language insert pages as Paragraph C.02.2, Page 11b and 11c, to Section C.02, "Electricity Scope of Work", of the contract. The increased scope requires that SCE&G provide all labor, materials, equipment, transportation, and supervision necessary to perform operations and maintenance for SRS Electrical Substation 23.

(2) The Item Numbers below are added to reflect negotiated pricing per the SCE&G cost proposal dated March 31, 2011. The mutually agreed amount of \$124,228.54 is for annual O&M services. The amount of \$20,704.76 is the prorated annual fee that covers the months of April and May of 2011.

In Section B.02, titled "Estimated Contract Price" add the following Item No and Unit Prices:

- Under Electrical Services Base Period of Performance (POP), add Item No: "0001C, Operation & Maintenance Fee for Substation 23 (April & May 2011), Unit Price of \$20,704.76"
- Under Option 1 Period of Performance, add Item No: "0002C, Operation & Maintenance Fee for Substation 23, Unit Price of \$124,228.54"
- Under Option 2 POP, add Item No: "0003C, Operation & Maintenance Fee for Substation 23, Unit Price of \$124,228.54"
- Under Option 3 POP, add Item No: "0004C, Operation & Maintenance Fee for Substation 23, Unit Price of \$124,228.54"

(3) SCE&G shall charge for the O&M services by adding an entry for the monthly price amount of the "Operation & Maintenance Fee for Substation 23" under the "Current Charges" section of the SRS monthly electrical utility invoices submitted against contract DE-AC09-06SR22434, beginning with the April 2011 invoice.

B. All other terms and conditions remain unchanged.

**C.02.2 Operations and Maintenance for Electrical Substation 23**

SCE&G shall provide all labor, materials, equipment, transportation, and supervision necessary to perform operations and maintenance for electrical substation 23, which supports the National Nuclear Security Administration (NNSA) Mixed Oxide Fuel Fabrication Facility (MFFF) and Waste Solidification Building (WSB) as specified below. The substation is subject to Nuclear Regulatory Commission (NRC) authority as stated in MFFF license, and as applied by IEEE 765. WSB is subject to Defense Nuclear Facility Safety Board (DNFSB) regulatory authority. SCE&G support of regulatory reviews and inspections may be required from time to time. The extent of such support by SCE&G, which will be dependent upon and responsive to the needs for that support as determined by the appropriate authority, shall in each instance be negotiated separately with NNSA.

The operating charge for Substation 23 will cover ordinary maintenance and includes:

1. Spare parts, based upon manufacturers' recommendations and SCE&G judgment,
2. Maintenance of the spare parts on site, and
3. All other monthly, yearly, predictive, and emergency maintenance not considered "Capital Improvements or Replacements"

DOE and SCE&G recognize that from time to time there may be occurrences requiring "Capital Improvements or Replacements" not supported by the spare parts included in this contract, but for which SCE&G will be responsible for performing the labor. However, the cost of materials associated with SCE&G's support activities are not included in SCE&G's responsibilities, and thus must be separately funded. Such materials shall include, but are not limited to:

1. Replacement of spare 115 kV and spare 13.8 kV circuit breakers and spare relay panels after they have been placed in service.
2. Replacement of 115kV and 13.8kV circuit breakers and relay panels if a spare does not exist.
3. Replacement of circuit breaker bushings (all three phases or individual bushings costing more than \$2500.00 each).
4. Replacement of 115 kV transformers and transformer bushings.
5. Replacement of 115kV and 13.8 kV switches.

SCE&G shall control, operate and maintain this substation in accordance with the following task areas:

**Task 1** – Once Supervisory Control and Data Acquisition (SCADA) communications have been established within the Savannah River Nuclear Solutions subcontract for construction and start-up of Substation 23, SCE&G shall maintain the SCADA communications.

**Subtask 1** – Maintain link with Savannah River Site (SRS) system (dispatcher), as currently performed with other SRS substations.

**Subtask 2** – Maintain link with SCE&G's regional system, as currently performed with other SRS substations.

**Task 2** – SCE&G shall develop and perform an inspection and periodic preventative maintenance program based on SCE&G's normal program. A copy shall be provided to the Contracting Officer Representative (COR).

**Subtask 1 – Develop inspection schedule and perform such inspections consistent with other SCE&G substations and/or FERC required inspections, maintenance, and testing. A copy of the inspection schedule shall be provided to the COR.**

**Subtask 2 – Develop periodic preventative maintenance schedule and perform such maintenance consistent with other SCE&G substations and protective relays. A copy of the preventative maintenance schedule shall be provided to the COR.**

**Task 3 – SCE&G shall operate and maintain control and access to the substation.**

**Subtask 1 – SCE&G shall plan for operating all substation equipment.**

**Subtask 2 – SCE&G shall control access to Substation 23 and only persons of certain organizations are to enter, and only after SCE&G approval and with escort. The organizations authorized to enter are DOE-SR, NNSA, SRNS or MOX Services. Anticipated frequency is one access request per month. A five day advance notice of access request will be provided to SCE&G System Control to allow SCE&G an opportunity to manage priorities.**

**Subtask 3 – SCE&G shall provide the COR an accountable property and installed equipment list for Substation 23. SCE&G shall maintain interface protocol with NNSA, SRNS, and MOX Services.**

**Subtask 4 – Deliverable/Delivery Schedule:**

<b>Report of Entry Request</b>	<b>E-Mail to DOE-SR &amp; NNSA</b>	<b>SCE&amp;G to Provide Within A Week Upon Receiving</b>
<b>Report of Equipment Failure</b>	<b>E-Mail or phone call to DOE-SR &amp; NNSA</b>	<b>SCE&amp;G to Provide Immediately</b>
<b>Report of Need for Significant Corrective Maintenance</b>	<b>E-Mail to DOE-SR &amp; NNSA</b>	<b>SCE&amp;G to Provide Monthly</b>

**Task 4 – SCE&G shall participate in providing configuration management and updating of as-built drawings for the substation with the site's Management & Operations contractor. SCE&G shall provide proposed substation modifications to DOE-SR and NNSA for review prior to execution.**



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE  
PAGE OF PAGES  
1 | 2

2. AMENDMENT/MODIFICATION NO. 002	3. EFFECTIVE DATE February 10, 2011	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
6. ISSUED BY U. S. DEPARTMENT OF ENERGY Savannah River Operations Office Office of Acquisition Management P. O. Box A Aiken SC 29802	7. ADMINISTERED BY (If other than Item 6)	CODE	

6. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) South Carolina Electric & Gas (SCE&G) Ballentine MC 141 Columbia SC 29218	<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO.
	<input type="checkbox"/> 9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/> 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-06SR22434 10B. DATED (SEE ITEM 13) June 01, 2006

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended.  is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
(a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
N/A

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS.  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52-243-1, Changes - Fixed Price - Alternate 1
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

APPROVED AS TO LEGALITY AND FORM  
*Jur*  
2-11-11

(See Page 2 and Attachment)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) W. KELLER KISSAM Senior Vice President SCE&G Retail Operations	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROBERT S. HAMLETT, Contracting Officer
15B. CONTRACTOR/OFFEROR <i>W. Keller Kissam</i> (Signature of person authorized to sign)	15C. DATE SIGNED 2/21/2011
16B. UNITED STATES OF AMERICA <i>Robert S. Hamlett</i> (Signature of Contracting Officer)	16C. DATE SIGNED 2/25/2011

A. The purpose of this bilateral modification is to (1) add subparagraph C.02.1 to Contract Section C.02, Electricity Scope of Work, (2) incorporate FAR Clause 52.222-54 Employment Eligibility Verification, and (3) change the name and office of the Contracting Officer Representative.

(1) Insert the contract language (attached to this modification) as Paragraph C.02.1, Page 11a to the contract. The additional scope requires that SCE&G provide all labor, materials, equipment, transportation, supervision and other items and services necessary to perform the rigging, lifting, and loading of thirty-five (35) Oil Circuit Breakers (OCBs), which are located in SCE&G's substations 41, 51, 52, & 53 at the Savannah River Site (SRS) in Aiken, SC, onto Government provided lowboys and/or trucks. SCE&G agrees to perform the services identified herein in paragraph C.02.1 for a firm-fixed price of \$43,954.05 as proposed in job cost estimate received and dated 3 January 2011. SCE&G shall bill this agreed cost by adding an extra line item on the SRS monthly utility invoice following the month of task completion and acceptance by the Government.

(2) Section I, Contract Clauses Index: FAR Clause 52.222-54, titled "Employment Eligibility Verification", is hereby incorporated by reference into the contract.

(3) Section G, Contract Administration Data, Paragraph G.4 and G.6: Change the Contracting Officer's Representative by removing "Patrick J. Burke, Office of Site Services" and inserting "Frank Black, Infrastructure Support & Oversight Division".

B. In accordance with the changes clause, FAR 52.243-1, the contractor must assert its right to an adjustment under this clause (unless mutual agreement is previously negotiated) within 30 days by submitting to the Contracting Officer a written statement describing the general nature and amount of the proposal.

C. All other terms and conditions remain unchanged.

**C.02.1 Rig, Lift, and Load Oil Circuit Breakers (OCBs)**

SCE&G shall provide all labor, materials, equipment, transportation, supervision and other items and services necessary to perform the rigging, lifting, and loading of thirty-five (35) Oil Circuit Breakers (OCBs) which are located in SCE&G's substations 41, 51, 52, & 53 at the Savannah River Site (SRS) in Aiken, SC.

The requested services consist of the following:

SCE&G shall provide all labor, materials, equipment, transportation, supervision and other items & services necessary to rig, lift, and load the 35 OCBs onto Government provided lowboys and/or trucks.

SCE&G shall provide a properly rated crane(s) and a qualified operator(s) for the lifting process at the designated substations (41, 51, 52, & 53).

SCE&G rigging personnel shall disconnect their equipment once the OCBs are safely spotted and loaded onto the Government lowboys and/or trucks for Government personnel to secure and accept.

The above SCE&G task will be repeated until all thirty-five (35) OCBs are safely spotted and loaded onto the Government lowboys and/or trucks for Government personnel to secure and accepts. SCE&G crews will work 10 hour days, which includes travel to SRS from Aiken. The Government will provide trucks at a necessary frequency to support SCE&G's schedule of lifting and loading a minimum of five (5) OCBs per workday.

Government and SCE&G personnel will review, discuss, and agree with the scope of work sequence and safety requirements prior to performance of work. The performance objectives will be pre-coordinated in subsequent steps as required by the Government for successful project completion; however, the overall project shall be completed by 31 May 2011.

In accordance with Utility Contract DE-AC09-06SR22434, SCE&G shall conform to site entry, security, quality control, and safety requirements.

SCE&G agrees to perform the services identified herein in paragraph C.02.1 for a firm-fixed price of \$43,954.05 as proposed in job cost estimate received and dated 3 January 2011. SCE&G shall bill this cost by adding an extra line item on the SRS monthly utility invoice following the month of task completion and acceptance by the Government.



# Central Division Power Delivery Operations - Job Cost Estimate

Transmission Labor Projection  
Aiken Crew

	Actual Cost
2011	Labor Rates
	Accident Report

Location of Job: SRS - Load 115kV OCBs

Job Scope: Load 115kV Oil Circuit breakers onto SRS trailers.

Date of Work: Feburary or March 2011

**LABOR:**

NORMAL TIME	HRLY RATE	#/MEN	#/HRS	AMOUNT
Supervisor	\$ 40.00	1	40	\$ 1,600.00
Relief Foreman	\$ 30.56			\$ -
Working Forman	\$ 30.56	1	80	\$ 2,444.80
Lead Journeyman	\$ 30.56			\$ -
Journeyman	\$ 29.56	3	80	\$ 7,094.40
Engr/Technician (Support)	\$ 40.00	1	40	\$ 1,600.00

OVERTIME	HRLY RATE	#/MEN	#/HRS	AMOUNT
Supervisor	\$ 40.00			\$ -
Relief Foreman	\$ 45.84			\$ -
Working Forman	\$ 45.84			\$ -
Lead Journeyman	\$ 45.84			\$ -
Journeyman	\$ 44.34			\$ -
Engr/Technician (Support)	\$ 35.00			\$ -

**Labor Overheads**

Pensions = 0.41%	0.41	\$52.23
Benefits = 30.61%	30.61	\$3,899.47
Taxes = 8.06%	8.06	\$1,026.78

EQUIPMENT:	VEH. #	UNIT RATE	#/EACH	#/UNITS	AMOUNT
Bucket Truck / 48' (hr.)	678	\$ 16.00			\$ -
Pole Cat	886	\$ 16.00	1	80	\$ 1,280.00
Service Truck	570	\$ 5.00	2	80	\$ 800.00
Dump Truck	720	\$ 7.50			\$ -
Blazer or Small Pickup (hr.)	5474	\$ 1.75			\$ -
Pickup Truck (hr.)	5224	\$ 1.75	2	35	\$ 122.50
Back Hoe	4029	\$ 1.75			\$ -
Trencher	4048	\$ 1.75			\$ -

EQUIPMENT:	VEH. #	UNIT RATE	#/EACH	#/UNITS	AMOUNT
Crane		\$ 150.00	1	80	\$ 12,000.00
Backhoe	780	\$ 130.00			

Transport Grove to and from SRS \$2,000.00

Total SCEG Labor (excluding O/H)  
Total Labor OH  
Total Transportation & POE  
Labor & Material Overheads  
A&G Overheads @ 14.86%  
Profit  
Total Project cost

Total	Construct	Retire
\$ 12,739.20	\$12,739.20	\$0.00
\$ 4,978.48	\$4,978.48	
16,202.50	\$16,202.50	\$0.00
	\$0.00	\$0.00
\$ 4,300.74	\$4,300.74	
\$ 5,733.14	\$ 5,733.14	
<b>\$ 43,954.05</b>	<b>\$ 43,954.05</b>	<b>\$0.00</b>

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE 1 OF 2	
2. AMENDMENT/MODIFICATION NO <b>M001</b>		3. EFFECTIVE DATE See Block 16c	4. REQUISITION/PURCHASE		5. PROJECT NO. (if applicable)
6. ISSUED BY  U.S. Department of Energy Savannah River Operations Office P.O. Box A Aiken, SC 29201		CODE	7. ADMINISTERED BY (if other than Item 6)  SAME		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  South Carolina Electric and Gas 1426 Main Street Mail Code 141 Columbia, SC 29203			9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)
			(X)	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-06SR22434	
CODE		FACILITY CODE		10B. DATED (SEE ITEM 13) 06/01/2006	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and data specified for receipt of Offers is extended, \_\_\_ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods.

- (a) By completing Items 8 and 15, and returning 1 copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

Not Applicable


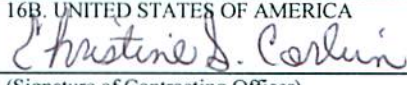
**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input checked="" type="checkbox"/>	D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties

E.IMPORTANT: Contractor \_\_\_ is not, X is required to sign this document and return 3 copies to the issuing Office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

SEE PAGE 2 THRU 2

15A. NAME AND TITLE OF SIGNER (Type or print) <b>Kevin B. Marsh, President &amp; COO</b>		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Christine S. Corbin, Contracting Officer	
15B. CONTRACTOR/OFFEROR 	15C. DATE SIGNED <b>6/29/06</b>	16B. UNITED STATES OF AMERICA 	16C. DATE SIGNED <b>07-10-06</b>
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

**Standard Form 30, Block 14 continued**

The purpose of this modification is to delete the requirement for J.01, Exhibit A, maps. Accordingly, the following applies:

- A. Under Part III, LIST OF ATTACHMENTS, EXHIBITS AND DOCUMENTS, page 45, is deleted and replaced with Revision 01, dated 06/26/2006, attached hereto. Maps and drawings will be provided upon request, if applicable.
  
- B. All other terms and conditions of Contract No. DE-AC09-06SR22434 remains unchanged.



**PART III – LIST OF ATTACHMENTS, EXHIBITS AND DOCUMENTS**

**SECTION J**

**LIST OF ATTACHMENTS**

<b><u>Attachment</u></b>	<b><u>Description</u></b>	<b><u>NUMBER OF PAGES</u></b>
J.01	Leases (Copy from Contract No. DE-AC09-95SR18531) *Lease of Electrical Transmission Lines and Substations (14 pages)	46
J.02	Rates 23, Industrial Power Service (11 pages)	47
J.03	Electrical Load Forecasts (3 pages)	48
J.07	WSRC's Report, O&M Scope Reduction Study – 115KV\ Transmission System (8 pages)	49

**\*NOTE: TRANSMISSION SUBSTATIONS (EXHIBIT A, MAP(S) AND DRAWING(S) TO ATTACHMENT J.01 COPIES ON FILE AT THE DEPARTMENT OF ENERGY, OFFICE OF CONTRACTS MANAGEMENT). IF APPLICAPBLE, COPIES OF THE DOCUMENTS WILL BE PROVIDED TO THE CONTRACTOR UPON REQUEST). POINT OF CONTRACT: SEE SECTION G.01 OR G.02 OF SUBJECT CONTRACT.**

<b>AWARD/CONTRACT</b>		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING DO-E2		PAGE OF PAGES 1   49g	
2. CONTRACT NO. DE-AC09-06SR22434		3. EFFECTIVE DATE SEE BLOCK 20C		4. REQUISITION/PURCHASE REQUEST PROJECT NO.			
5. ISSUED BY U. S. Department of Energy Savannah River Operations Office Office of Contracts Management PO Box A Aiken, SC 29802				6. ADMINISTERED BY (if other than item 5)			
7. NAME AND ADDRESS OF CONTRACTOR South Carolina Electric & Gas 1426 Main Street, MC 141 Columbia, SC 29201				8. DELIVERY <input type="checkbox"/> FOB ORIGIN <input checked="" type="checkbox"/> OTHER (See below)			
				9. DISCOUNT FOR PROMPT PAYMENT N/A			
				10. SUBMIT INVOICES TO THE ADDRESS SHOWN IN: (4 copies unless otherwise specified)		ITEM 12	
CODE		FACILITY CODE					
11. SHIP TO/MARK FOR				12. PAYMENT WILL BE MADE BY:		CODE	
				US DEPARTMENT OF ENERGY OAK RIDGE FINANCIAL SERVICE CENTER P.O. BOX 4908 OAK RIDGE, TN 37831			
13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION <input type="checkbox"/> 10 U.S.C. 2304 (C) ( ) <input checked="" type="checkbox"/> 41 U.S.C. 253 (C) ( 1 )				14. ACCOUNTING AND APPROPRIATION DATA			
15A. ITEM NO.	15B. SUPPLIES/SERVICES			15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT
	Electrical & Operations and Maintenance Service			See Schedule B		See Schedule B	See Schedule B

15G. TOTAL AMOUNT OF CONTRACT \$103,545,287.56

16. TABLE OF CONTENTS

(X)	SEC	DESCRIPTION	PAGE(S)	(X)	SEC	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
X	A	SOLICATION/CONTRACT FORM	1	X	I	CONTRACT CLAUSES	28-44
X	B	SUPPLIES OR SERVICES AND PRICES/COSTS	2-8	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
X	C	DESCRIPTION/SPECS/WORK STATEMENT	9-11	X	J	LIST OF ATTACHMENTS	45-49g
X	D	PACKAGING AND MARKING	12-13	PART IV - REPRESENTATIONS AND INSTRUCTIONS			
X	E	INSPECTION AND ACCEPTANCE	14-15		K	REPRESENTATIONS, CERTIFICATOINS AND OTHER STATEMENTS OF OFFERERS	
X	F	DELIVERIES OR PERFORMANCE	16-17		L	INSTRS, CONDS, AND NOTICES TO OFFERERS	
X	G	CONTRACT ADMINISTRATION DATA	18-20		M	EVALUATION FACTORS FOR AWARD	
X	H	SPECIAL CONTRACT REQUIREMENTS	21-27				

CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE

17. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (contractor is required to sign this document and return 3 copies to Issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein (Attachments are listed herein.)	18. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any condition sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/ contract. No further contractual document is necessary.
--	---

19A. NAME AND TITLE OF SIGNER (Type or Print) Neville Torick - President	20A. NAME OF CONTRACTING OFFICER Donnie L. Campbell Contracting Officer
19B. NAME OF CONTRACTOR BY [Signature]	20B. UNITED STATES OF AMERICA BY [Signature]
19C. DATE SIGNED 5-12-06	20C. DATE SIGNED JUN 01 2006

APPROVED AS TO LEGALITY AND FORM

AJB 5-10-06

**PART I – THE SCHEDULE**  
**SECTION B**  
**SUPPLIES OR SERVICES AND PRICES/COSTS**

**TABLE OF CONTENTS**

<b><u>Section</u></b>	<b><u>Description</u></b>	<b><u>Page</u></b>
B.01	Service Being Acquired	3
B.02	Estimate Contract Price	4-5
B.03	Rates	6-7
B.04	Limitation of Government's Obligation	7
B.05	Electric Rate Re-Allocation	7
B.06	Prior Contract Superseded	7
B.07	Evaluation of Option (July 1990)	7
B.08	Options to Extend the Term of the Contract Services (March 2000)	7-8

**PART I – THE SCHEDULE**  
**SECTION B**  
**SUPPLIES OR SERVICES AND PRICES/COSTS**

**B.01 SERVICES BEING ACQUIRED**

During the Contract Performance Period, the Contractor shall provide ELECTRICIAL SERVICE as described in Section C, Description and Specifications/Statement of Work for a period of **five years from the effective date of award with 3 one-year options**. **The effective date shall be either June 1, 2006, or upon approval of the contract by the South Carolina Public Service Commission, if required, whichever is later.** It is expressly understood that neither the Contractor nor the Government is under any obligation to continue any service under the terms and conditions of this contract beyond the expiration date.

**(THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK)**





Item No.	Supplies/Services	Estimated Demand	Unit	Unit Price
<b>OPTION 1 PERIOD OF PERFORMANCE</b>				
0002	Electrical Service POP: June 1, 2011 thru May 31, 2012.			
	Annual price of electrical services	20,000/firm demand	KW	<u>\$11,964,569.74</u>
	Contract Rate			<u>\$9,528,360.65</u>
	Rate 23			<u>\$2,436,209.09</u>
0002A	PP3 Operating Charge June 1, 2011 thru May 31, 2012			<u>\$158,782.84</u>
0002B	Electrical Operation and Maintenance Fee			<u>\$1,863,729.32</u>
	<b>Total Estimated Annual Price for Services</b>			<b>\$13,987,081.90</b>
<b>OPTION 2 POP</b>				
0003	Electrical Service POP: June 1, 2012 thru May 31, 2013.			
	Annual price of electrical services	20,000/firm demand	KW	<u>\$11,964,569.74</u>
	Contract Rate			<u>\$9,528,360.65</u>
	Rate 23			<u>\$2,436,209.09</u>
0003A	PP3 Operating Charge June 1, 2012 thru May 31, 2013			<u>\$164,406.40</u>
0003 <sup>B</sup> <sub>A</sub>	Electrical Operation and Maintenance Fee			<u>\$1,924,300.52</u>
	<b>Total Estimated Annual Price for Services</b>			<b>\$14,053,276.66</b>
<b>OPTION 3 POP</b>				
0004	Electrical Service POP: June 1, 2013 thru May 30, 2014.			
	Annual price of electrical services	20,000/firm demand	KW	<u>\$11,964,569.74</u>
	Contract Rate			<u>\$9,528,360.65</u>
	Rate 23			<u>\$2,436,209.09</u>
0004A	PP3 Operating Charge June 1, 2013 thru May 31, 2014			<u>\$170,029.96</u>
0004B	Electrical Operation and Maintenance Fee			<u>\$1,986,840.29</u>
	<b>Total Estimated Annual Price for Services</b>			<b>\$14,121,439.99</b>

**B.03 RATES****Contract Electric Rates & Rate Structure**

The Government will pay the Contractor for the electric services to be furnished hereunder at a fixed unit rate as set forth in the Contractor **Special Rates** cited below:

**SPECIAL RATES**

Basic Facilities Charges:	\$1,200.00/month
Contract Demand charge:	\$9.78 KW X 20,000 KW
Energy Charge:	\$0.03349 per KWH
PP3 Operating Charge:	4.04%X\$3,307,975.86 (\$11,136.85 per month)

Electrical Service is for a firm contract demand of 30,000 KW with a maximum allowable take of 80,000 KW at the delivery points specified in Part I, Schedule, Section C.02. Firm Power of 20,000 KW and associated energy at 90% load factor will be available to the Government at the firm-fixed price unit rates cited above. The Government will maintain a power factor of as near unity as practicable. If the power factor of the Government's installation falls below 90%, the Contractor will adjust the appropriate billing demand to a basis of 90% Power Factor. In the event the hourly load factor falls below 90%, the difference between the actual energy consumed and the amount of energy needed to achieve a 90% load factor shall be billed at \$.00833 per KWH provided, however, if service is not available for an aggregate of ten (10) hours or greater during any billing period, then the 90% load factor computation shall not be applied during that period of time. The \$.00833, above, is determined as the difference in the energy charge of \$.03349, above, less the PSC of SC approved fuel cost which is currently \$.02516 per KWH. The Basic Facilities Charge cited above is included in Rate 23 per month and equals the Rate 23 demand charge for the "First 1,000 KW of Billing Demand" minus the product of 1,000 times the demand charge per KW. The Contract Demand Charge is 85% of the Excess over 1,000 KW of Billing Demand Charge per KW on Rate 23 rounded to two places to the right of the decimal. The Contract Energy Charge above is equal to that of Rate 23 and includes the Adjustment for Fuel Costs and the Storm Damage Component. The Billing Demand for the Contract Rate will be 20,000KW in accordance with the terms and condition of the Contract.

**RATE 23** –The Government will pay the Contractor Rate 23 Energy Charge at an annual fixed rate escalated annually as set forth in Section J, Attachment J.02, **Rate 23, Industrial Power Service (Date: effective for bills rendered on and after the first billing cycle of May 2006)**, in accordance with the terms and conditions of the schedule.

**Purchase Power 3 (PP3) Operating Charge** – price for services associated with the Contractor owning, operating and maintaining the facilities cited below which are exclusively used by the Department of Energy, Savannah River Site (DOE-SRS):

- 230 KV-115 KV
- 336 MVA substation which tapped the Company's Canady's-Graniteville 230 KV line
- 115 KV line originating at this substation and terminating at Station 5043G.

Rate calculation: 4.04%X\$3,307,975.86 (\$11,136.85 per month). The rate is based on the initial installation in 1983, priced at \$3,307,975.86. The PP3 Charge under subject Contract is calculated based at 4.04% for Year 1, POP, with an annual escalation factor of 3.50% for the outlet years in accordance with Part 1 – The Schedule, Section B, paragraph B.02 Estimated Contract Price: Basic Contract POP, Item 0001A; Option 1, Item 0002A; Option 2, Item 0003A; and Option 3, Item 0004A. The Basic Contract period of performance is based on the annual costs for 2005, effective with the Government’s April billing and consists of the components cited below:

State Franchise (True Value)	.10%
Gross Receipts and Support of PSC	.10%
Operation & Maintenance Expense	<u>3.84%</u>
 Total Annual Percentage	 4.04%

**B.04 LIMITATION OF GOVERNMENT’S OBLIGATION**

The Government’s obligation under this contract is contingent upon the availability of appropriated funds from which payment can be made.

**B.05 ELECTRIC RATE RE-ALLOCATION**

The Government shall have the option to increase or decrease the amount of Firm Demand in the Base Electric Rate once every two (2) years.

**B.06 PRIOR CONTRACT SUPERSEDED**

Contract DE-AC09-95SR18531 is superseded and replaced by subject contract effective with the billing period following the month in which subject contract is effective in accordance with B.01.

**B.07 FAR 52.217-5 EVALUATION OF OPTIONS (JULY 1990)**

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government’s best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

**B.08 FAR 52.217.9 OPTIONS TO EXTEND THE TERM OF THE CONTRACT - SERVICES (MAR 2000)**

(a) The Government may extend the term of this contract by written notice to the Contractor within 30 days; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.



(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed eight (8) years (months) (years) and shall be accomplished within the Price Schedule cited under options 0002 through 0004, paragraph B.2 above.

**(THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK)**

**PART I – SCHEDULE**  
**SECTION C**  
**DESCRIPTION/SPECIFICATION/WORK STATEMENT**

**TABLE OF CONTENTS**

<b><u>Section</u></b>	<b><u>Description/Specification/Work Statement</u></b>	<b><u>Page No.</u></b>
C.01	General Scope of Work	10
C.02	Electricity Scope of Work	10-11

**PART I – SCHEDULE  
SECTION C  
DESCRIPTION/SPECIFICATION/WORK STATEMENT**

**PART I THE SCHEDULE SECTION C**

**C.01 GENERAL SCOPE OF WORK**

The Contractor shall provide electricity sufficient to meet the requirements of the Savannah River Site. The Lease of Electrical Transmission Lines and Substations will **continue to be leased to SCE&G in accordance with the terms and conditions under the Department of Energy Lease dated August 8, 1995, under Contract No. DE-AC09-95SR18531, copy attached (See Attachment J, 1(a) hereto.**

DOE is opting not to exercise its statutory authority to establish and enforce occupational safety and health requirement as allowed by 48CFR952.223-71 "Integration of Safety and Health into Work Planning and Execution." 29 CFR 1952.95 "Level of Federal Enforcement" identifies the Federal Occupational Safety and Health Administration as being responsible for the oversight and enforcement of safety and health requirements for SCE&G operations authorized by this contract. Details of the arrangement between DOE and OSHA for the oversight and enforcement of SCE&G operations is contained in the Notice of Addendum to Memorandum of Understanding, dated March 28, 1996, between these two Federal agencies.

**C.02 ELECTRICITY SCOPE OF WORK**

Electrical power supplied hereunder shall be three phase alternating current of approximately sixty (60) hertz, delivered at nominal 115,000 v (115 KV) line to line volts. The electrical energy and total coincidental demand supplied shall be measured by standard metering equipment that is owned by SCE&G at three locations:

- (a) One meter at the 115 KV purchase power line #1 originating at SCE&G's Urquhart Station bus at Beech Island, South Carolina and terminating at SRS Station 52.
- (b) One meter at SRS Station 51.
- (c) One meter at the 230 KV line – 115 KV 336 MVA (Barnwell) substation which taps SCE&G's Cannady's – Graniteville 230 KV line.

SCE&G will provide at DOE's request and expense, additional facilities which will permit DOE to access SCE&G's metering for transmission of pulses from which DOE may determine voltage, megavars, and megawatts.

SCE&G shall provide "Firm Capacity" at the minimum demand levels agreed to under the Rate Schedule located at Section J, Attachment 2. "Firm Capacity" means the provision of electrical capacity and energy from a utility's total system of generation resources or a resource that is fully backed by reserves or other reserve arrangements. That is, firm capacity is subject

to interruption only in the event of force majeure (see Section H.06(b)). Firm capacity is firm, load-following power service that is scheduled, dispatched and fully backed by reserves or other back-up arrangements.

SCE&G will assume full responsibility for operation and maintenance of transmission facilities, substations, and transformers described in the lease located at Section J, Attachment 1 hereunder.

Electrical power supplied hereunder shall be delivered at the transformer low side breaker at the locations specified in **Attachment J.01 (Transmission Substations Map)** and the delivery voltage shall be 4.16 KV and 13.8 KV. Electric power supplied under this contract shall be priced in accordance with the rate schedule given in **Section J, Attachment J.02 (TBD)**.

In addition to the demand re-allocation allowed by B.05, the Department of Energy, Savannah River Operations Office (SR), may adjust the firm contract demand every two years, if necessary, based on additional project load requirements.

**(THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK)**



**PART I  
SECTION D**

**PACKAGING AND MARKING**

**TABLE OF CONTENTS**

<b><u>Section</u></b>	<b><u>Description</u></b>	<b><u>Page No.</u></b>
D.01	Packaging (APR 1984)	13
D.02	Marking (APR 1984)	13

**PART I – SCHEDULE**  
**SECTION D**  
**PACKAGING AND MARKING**

**D.01 PACKAGING (APR 1984)**

Preservation, packaging, and packing for shipment or mailing of all work delivered hereunder shall be in accordance with good commercial practice and adequate to ensure acceptance by common carrier and safe transportation at the most economical rate(s).

**D.02 MARKING (APR 1984)**

Each package, report or other deliverable shall be accompanied by a letter or other document which:

- (1) Identifies the contract by number under which the item is being delivered.
- (2) Identifies the deliverable Item Number or Report Requirement which requires the delivered item(s).
- (3) Indicates whether the Contractor considers the delivered item to be a partial or full satisfaction of the requirement.

**(THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK)**

**PART I – SCHEDULE****SECTION E**  
**INSPECTION AND ACCEPTANCE****TABLE OF CONTENTS**

<b><u>Section</u></b>	<b><u>Description</u></b>	<b><u>Page</u></b>
E.01	Inspection of Services-Fixed-Price	15
E.02	Inspection	15
E.03	Acceptance	15

**PART I****SECTION E****INSPECTION AND ACCEPTANCE****E.01 FAR 52.246-4 INSPECTION OF SERVICES-FIXED-PRICE**

- (a) If the Government performs inspections or tests on the premises of the Contractor or a subcontractor, the Contractor shall furnish, and shall require subcontractors to furnish, at no increase in contract price, all reasonable facilities and assistance for the safe and convenient performance of these duties.
- (b) Definition. "Services," as used in this clause, includes services performed, workmanship, and material furnished or utilized in the performance of services.
- (c) The Contractor shall provide and maintain an inspection system acceptable to the Government covering the services under this contract. Complete records of all inspection work performed by the Contractor shall be maintained and made available to the Government during contract performance and for as long afterwards as the contract requires.
- (d) The Government has the right to inspect and test all services called for by the contract, to the extent practicable at all times and places during the term of the contract. The Government shall perform inspections and tests in a manner that will not unduly delay the work.
- (e) If any of the services do not conform with contract requirements, the Government may require the Contractor to perform the services again in conformity with contract requirements, at no increase in contract amount. When the defects in services cannot be corrected by reperformance, the Government may--
  - (1) Require the Contractor to take necessary action to ensure that future performance conforms to contract requirements; and
  - (1) Reduce the contract price to reflect the reduced value of the services performed.
- (f) If the Contractor fails to promptly perform the services again or to take the necessary action to ensure future performance in conformity with contract requirements, the Government may—
  - (1) By contract or otherwise, perform the services and charge to the Contractor any cost incurred by the Government that is directly related to the performance of such service; or
  - (2) Terminate the contract for default.

**E.02 INSPECTION**

Inspection of all items under this contract shall be accomplished by the Contracting Officer, Contracting Officer's Representative (COR), or any other duly authorized government representative.

**E.03 ACCEPTANCE**

Acceptance of all work and effort under this Contract (including "Reporting Requirements," if any) shall be accomplished by the Contracting Officer or his duly authorized representative.



**PART I  
SECTION F  
DELIVERIES OR PERFORMANCE**

**TABLE OF CONTENTS**

<b><u>Section</u></b>	<b><u>Description</u></b>	<b><u>Page</u></b>
F.01	Period of Performance	17
F.02	Principle Place of Performance	17

**PART I**  
**SECTION F**  
**DELIVERIES OR PERFORMANCE**

**F.01 PERIOD OF PERFORMANCE**

The period of performance of the Contract Period shall be eight years inclusive of three 1-year options from June 1, 2006, or approval of the contract by the South Carolina Public Service Commission, if required, whichever is later.

**F.02 PRINCIPLE PLACE OF PERFORMANCE**

The contract work will be principally performed at the Savannah River Site, Aiken, South Carolina, its environs and the Central Savannah River Area.

**(THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK)**

**PART I**  
**SECTION G**  
**CONTRACT ADMINISTRATION DATA**

**TABLE OF CONTENTS**

<u>Section</u>	<u>Description</u>	<u>Page</u>
G.01	Correspondence Procedures	19
G.02	Government Contract for Post Award Administration	19
G.03	Contracting Officer	19
G.04	Contracting Officer's Authorized Representative	20
G.05	DOE Patent Counsel	20
G.06	Submission of Invoices and Billing	20

**SECTION G****CONTRACT ADMINISTRATION DATA****G.01 CORRESPONDENCE PROCEDURES**

To provide timely and effective administration, correspondence (except for invoices) submitted under this Contract shall be subject to the following procedures:

- (a) Correspondence. All correspondence shall be addressed to the Contracting Officer.
- (b) Contracting Officer's Address. The Contracting Officer's address is as follows:

U. S. Department of Energy Savannah River  
Operations Office P.O. Box A  
Aiken, SC 29802  
Attn: D. L. Campbell  
Office of Contracts Management  
Telephone Number: (803) 952-7732

- (c) Subject Line(s). All correspondence shall contain a subject line commencing with the contract number as illustrated below:

SUBJECT: CONTRACT NO. DE-AC09-06SR22434

**G.02 GOVERNMENT CONTACT FOR POST AWARD ADMINISTRATION**

The Contractor shall use the DOE Contracting Officer as the point of contact for all matters regarding this contract except technical matters.

U.S. Department of Energy  
Savannah River Operations Office  
Contracts Management Division  
Attn: Christine S. Corbin, Contract Officer  
P.O. Box A  
Aiken, SC 29802  
Telephone Number: (803) 952-9263

**G.03 CONTRACTING OFFICER**

The primary Contracting Officer responsible for administration of this contract is D. L. Campbell, Office of Contracts Management. This individual shall be primarily responsible for all contractual actions required to be taken by the Government under the terms of this contract.

Notwithstanding the above, in the event the above named individual is absent for an extended period or an urgent action is required, any other duly appointed Contracting Officer assigned to the Savannah River Operations Office shall be authorized to take the required contractual action(s) within the limits of his/her authority.

**G.4 CONTRACTING OFFICER'S AUTHORIZED REPRESENTATIVE (COR)**

The designated Contracting Officer's Representative (COR) for this contract is **Patrick J. Burke, Office of Site Services**. The COR shall provide technical direction and monitor the contractor's conduct of the work to ensure that the work is performed in accordance with the Description/Specification/SOW of the contract. The contractor's Project Manager and the COR shall regularly discuss project planning, deliverables, scheduling and other day-to-day events. The COR shall coordinate any changes in technical direction.

The COR's address is as follows:

U.S. Department of Energy  
Savannah River Operations Office  
P.O. Box A  
Aiken, SC 29802  
Attn: **Patrick J. Burke**  
Telephone Number: (803)952-8488

**G.05 DOE PATENT COUNSEL**

Office of Chief Counsel  
Patent Counsel  
U.S. Department of Energy  
Savannah River Operation Office  
Aiken, SC 29802

**G.06 SUBMISSION OF INVOICES AND BILLING**

All invoices or bills shall contain such data, as may be required, to substantiate the billing, including contract number, statements of the meter readings at the end of the billing period, meter constants, consumption during the billing period, installation, delivery points, and such other reasonable and available data as may be requested. The invoice shall be addressed to P. J. Burke, Office of Site Service, DOE-Savannah River Operations Office, P.O. Box A, Aiken, SC 29802. (Telephone number is (803) 952-8488).

(b) Payments hereunder shall not be made in advance of services rendered.

(c) The government shall be entitled to any discounts customarily applicable to payment of bills by any customer of the contractor in a similar customer class.

**PART I-THE SCHEDULE  
PART I  
SECTION H  
SPECIAL CONTRACT REQUIREMENTS**

**TABLE OF CONTENTS**

<b><u>Section</u></b>	<b><u>Description</u></b>	<b><u>Page</u></b>
H.01	Modification Authority	22
H.02	Assignment	22
H.03	Confidentiality of Information	22-23
H.04	Representations, Certifications, and Other Statements of the Offeror	23
H.05	Rights to Proposal Data	23
H-06	Continuity of Service/Electrical Service	23
H-06a	Continuity of Service/Non-Regulated Service	23-24
H.07	Covenants and Agreement	24
H.08	Technical Direction	24-25
H.09	Contractor's Program Manager	25
H.10	Observance of Legal Holidays	26
H.11	Advance Agreements	26
H.12	Key Personnel (APR 1984)	27



**SECTION H**  
**SPECIAL CONTRACT REQUIREMENTS**

**H.01 MODIFICATION AUTHORITY**

Notwithstanding any of the other provisions of this Contract, the Contracting Officer shall be the only individual authorized to:

- (a) accept nonconforming material or services,
- (b) waive any requirement of this Contract, or
- (c) modify any term or condition of this Contract

**H.02 ASSIGNMENT**

Neither this Contract nor any interest therein claimed thereunder (except see Section I, Clause 1.59, FAR 52.232-23 ASSIGNMENT OF CLAIMS JAN 19861) shall be assigned or transferred by the Contractor except as expressly authorized in writing by the Contracting Officer. The Contracting Officer shall respond to any request for an assignment of claims within 60 days of receipt of the request. This section shall not apply to or limit transfers, assignments or subcontracting to companies or entities wholly owned by SCANA Corporation, the parent company of SCE&G.

**H.03 CONFIDENTIALITY OF INFORMATION**

- (a) To the extent that the work under this contract requires that either party be given access to confidential or proprietary business, technical, or financial information, both parties agree to treat such information as confidential and agree not to appropriate such information to its own use or to disclose such information to third parties unless specifically authorized in writing. The foregoing obligations, however, shall not apply to:
  - (1) Information which, at the time of receipt, is in public domain;
  - (2) Information which is published after receipt or otherwise becomes part of the public domain through no fault of the parties;
- (b) The parties agree that each of them shall treat the Confidential Information in confidence in accordance with the provisions of 18 U.S.C. 1905. The parties agree to mark as "Confidential" or "Proprietary" all information to be safeguarded by the other party.
- (c) In the event that any party is required by applicable law, regulation or court order to disclose any confidential information of the other party, such party shall use its best effort (1) to ensure that the disclosure is made on a confidential basis when to do so would not conflict with applicable law and (2) in cooperation with such other party, to protect such information from further disclosure. Immediately upon receipt of notice of a requirement to disclose the confidential information, the party receiving the notice shall provide the party whose confidential information is required to be disclosed with notice of the requirement. Subject to the foregoing requirements, a party receiving notice of a requirement to disclose confidential information may disclose such information to the extent necessary to comply with such requirement.

(d) This clause shall flow down to all subcontracts.

**H.04 REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF THE OFFEROR (July 1991)**

The Representations, Certifications, and Other Statements of the Contractor dated March 15, 2006, and the Contractor's Small and Small Disadvantaged Business Subcontracting Plan, dated Not Applicable (Utility Contract) and made in response to Solicitation No. DE-RP09-05SR22434 are hereby incorporated into this contract by reference.

**H.05 RIGHT TO PROPOSAL DATA**

Except for technical data contained in (none cited) of the Contractor's proposal dated \_\_\_\_\_ proprietary data, it is agreed that, as a condition of this Contract, and not withstanding the provisions of any notice appearing on the proposal, the Government shall have the right to use, duplicate, disclose, and have others to do so for any purpose whatsoever, the technical data contained in the proposal upon which this contract is based.

**H.06 CONTINUITY OF SERVICE/ELECTRIC SERVICE**

- (a) **Firm Service.** The electrical service provided under this contract shall be through redundant facilities, except for where no redundancy exists on the Savannah River Site at the contract effective date and should not be subject to interruption for any single contingency problems that may occur to the contractor's system. SCE&G shall be responsible for minimizing the risk of multiple contingency outages that could affect service to the Savannah River Site through regular maintenance and inspection of the facilities supplying the Savannah River Site.
- (b) **Liability.** SCE&G shall use reasonable diligence to provide regular and uninterrupted power but shall not be liable for damages, breach of contract or otherwise, to the Government, for "Force majeure," as that term is defined in the applicable tariff and schedule filed with the SC Public Service Commission.
- (c) In the event SCE&G claims that performance of its obligations is prevented or delayed by any cause constituting force majeure, SCE&G shall immediately notify the Contracting Officer of that fact and of the circumstances preventing or delaying performance. SCE&G shall use due diligence to again put itself in a position to carry out all of the obligations of the contract.

**H.06a CONTINUITY OF SERVICE/NON-REGULATED**

- (a) **Firm Service Non-Regulated.** For all non-regulated services, including Electrical Operation and Maintenance under this contract SCE&G shall be responsible for minimizing the risk of outages that could affect service to the Savannah River Site through regular maintenance and inspection of the facilities supplying the Savannah River Site.

- (b) **Liability.** SCE&G shall use reasonable diligence to provide regular and uninterrupted power but shall not be liable for damages, breach of contract or otherwise, to the Government, for "Force majeure". "Force majeure" is defined as those actions identified in FAR 52.249-8(c) and (d). Force majeure specifically does not include either routine maintenance and repairs to property, plant or equipment, or interruption of supplies from a subcontract or supplier in accordance with the terms of any agreement or contract between SCE&G and its subcontractor or supplier.
- (c) In the event SCE&G claims that performance of its obligations is prevented or delayed by any cause constituting force majeure, SCE&G shall immediately notify the Contracting Officer of that fact and of the circumstances preventing or delaying performance. SCE&G shall use due diligence to again put itself in a position to carry out all of the obligations of the contract.

#### **H.07 COVENANTS AND AGREEMENTS**

- (a) **Notice of Change.** The Government will notify SCE&G promptly if the Government becomes aware of any transaction or occurrence prior to the Effective Date which would make any representations and warranties untrue in any material adverse respect, as if such representations and warranties had been given as of the date on which the Government becomes aware of any such transaction or occurrence.
- (b) **Records.** Title to all Records and Drawings relating to the Property shall be retained by the Government; provided, however, any Records and Drawings or copies which SCE&G may reasonably require or which SCE&G is legally required to obtain after the Effective Date shall either be delivered to SCE&G or made available to them.

#### **H.08 TECHNICAL DIRECTION**

- (a) Performance of the work under this Contract shall be subject to the technical direction of the Contracting Officer's Representative(s) identified elsewhere in this Contract. The term "technical direction" is defined to include, without limitations:
  - (1) Directions to the Contractor which redirect the contract or task effort, shift work emphasis between work areas or tasks, require pursuit of certain lines of inquiry, fill in details, or otherwise serve to accomplish contractual statement of work.
- (b) Technical direction must be within the scope of work stated in the contract. The Contracting Officer's Representative is authorized to issue technical direction within the scope of the contract. The Contracting Officer's Representative does not have the authority to, and may not, issue any technical direction which:
  - (1) Constitutes an assignment of additional work outside the Statement of Work;
  - (2) Constitutes a change as defined in the contract clause entitled "Changes";
  - (3) In any manner causes an increase or decrease in the total estimated labor hours or contract price, or the time required for contract performance;

- (4) Changes any of the expressed terms, conditions or specifications of the contract;  
or
  - (5) Interferes with the Contractor's right to perform the terms and conditions of the Contract.
- (c) All technical directions shall be issued in writing by the Contracting Officer's Representative.
- (d) The Contractor shall proceed promptly with the performance of technical directions duly issued by the Contracting Officer's Representative in the manner prescribed by this Section and within his authority under the provisions of this Section. If, in the opinion of the contractor, any instruction or direction by the Contracting Officer's Representative falls within one of the categories defined in (b) (1) through (b) (5) above, the Contractor shall not proceed but shall notify the Contracting Officer in writing within five (5) working days after receipt of any such instruction or direction and shall request the Contracting Officer to modify the contract accordingly. Upon receiving the notification from the Contractor, the Contracting Officer shall:
- (1) Advise the Contractor in writing within 30 days after receipt of the Contractor's letter that the technical direction is within the scope of the contract effort and does not constitute a change under the "Changes" clause of the contract;
  - (2) Inform the Contractor in writing within 30 days after receipt of the Contractor's letter not to perform under the direction and to cancel the directions; or
  - (3) Advise the Contractor within a reasonable time that the Government will issue a written change order.
- (e) A failure of the Contractor and Contracting Officer to agree that the technical direction is within the scope of the Contract, or a failure to agree upon the contract action to be taken with respect thereto shall be subject to the provisions of the clause entitled FAR 52.233-1 DISPUTES-ALTERNATE 1 (JUL 2002).

#### **H.09 CONTRACTOR'S PROGRAM MANAGER**

The Contractor shall designate a Program Manager who will be the Contractor's authorized supervisor for technical and administrative performance of all work hereunder. The Program Manager shall provide the principal point of contact between the Contractor and the Contracting Officer's Representative under this contract. All administrative support for technical personnel required to fulfill the work stated in the contract shall be the responsibility of the Contractor.

The Program Manager shall receive and execute, on behalf of the Contractor, such technical directions as the Contracting Officer's Representative may issue within the terms and conditions of the contract.

**H.10 OBSERVANCE OF LEGAL HOLIDAYS**

(a) The Government observes the following days as holidays:

New Years Day	Martin Luther King Day
Presidents' Day	Memorial Day
Independence Day	Labor Day
Columbus Day	Veterans Day
Thanksgiving Day	Christmas Day

(b) The Contractor agrees to continue to provide sufficient personnel to perform critical tasks already in operation or scheduled and shall be guided by the instructions issued by the Contracting Officer.

**H.11 ADVANCE AGREEMENTS**

The following advance agreements on the treatment of special or unique requirements that may affect or have an impact on the Site's overall mission are agreed to by the parties and shall remain in effect for the duration of the contract unless changes are subsequently negotiated and specifically set forth in a formal contract modification.

- (a) Memorandum of Understanding (MOU) - A Memorandum of Understanding will be developed and coordinated by the COR to identify responsibilities and boundaries related to the Savannah River Site's Management & Operating (M&O) Contractor, SCE&G, and DOE. The MOU will contain contact information, guidance for support services, interface points, training and security requirements, and other non-contract specific information that will be the basis for day-to-day operations.
- (b) Operations and Maintenance Scope Reduction Study -115KV Transmission System, Attachment J.07(b) - The parties agree that SCE&G will complete its review of the Scope Reduction Study and begin to remove from service certain portions of the 115kV Transmission System lines and transformers that are redundant and no longer serve critical processes. The parties further agree that only those portions of the 115 KV Transmission System identified in the study found at Attachment J.07(b) shall be considered for removal and that SCE&G has authority to determine which facilities from the study will be removed. However, the Contractor shall not implement any projects for removal of redundant services without prior coordination with the Department of Energy, Contracting Officer Representative, the Office of Site Services. The DOE acknowledges that not all facilities identified in the study may be taken out of service. In the event SCE&G identifies additional portions of the 115 KV Transmission System it deems appropriate for removal (portions not identified in the study), it will not remove such facilities from service without prior written approval of DOE. Once a portion of the 115 KV Transmission System has been removed, the 115 KV Transmission System lease between DOE and SCE&G will be amended to reflect the change. The parties understand and acknowledge that the removal of any portion of the 115 KV Transmission System will not reduce the cost of the Electrical Operation and Maintenance Fee agreed to under this contract.





**CONTRACT CLAUSES**  
**INDEX**

**FEDERAL ACQUISITION REGULATIONS (FAR) CLAUSES**

<u>Clause No.</u>	<u>Full Text Clauses</u>	<u>Page</u>
I.01 FAR 52.252-2	CLAUSES INCORPORATED BY REFERENCE (FEB 1998)	31
I.02 FAR 52.216-6	PRICE REDETERMINATION—RETROACTIVE (OCT 1997)	31-33
I.03 FAR 52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER CONTRACTOR CENTRAL REGISTRATION (OCT 2003)	31-33
I.04 FAR 52.233-2	SERVICE OF PROTEST (AUG 1996)/(DEAR 952.233-2) - SERVICE OF PROTEST)	35-36
I.05 FAR 52.241-3	SCOPE AND DURATION OF CONTRACT (FEB 1995)	36
I.06 FAR 52.241-6	SERVICE PROVISIONS (FEB 1995)	37-38
I.07 FAR 52.241-7	CHANGE IN RATES OR TERMS AND CONDITIONS OF SERVICE FOR REGULATED SERVICES (FEB 1995)	38

**DEPARTMENT OF ENERGY ACQUISITION REGULATION (DEAR) CLAUSES**

<u>Clause No.</u>	<u>Full Text Clauses</u>	<u>Page</u>
I.08 DEAR 952.204-2	SECURITY (MAY 2002)	38-40
I.09 DEAR 952.204-70	CLASSIFICATION/DECLASSIFICATION (SEP 1997)	40-41
I.10 DEAR 952.208-70	PRINTING (APR 1984)	41-42
I.11 DEAR 952.209-72	ORGANIZATIONAL CONFLICTS OF INTEREST (JUN 1997)	42-44
I.12 DEAR 942.235-70	KEY PERSONNEL (APR 1994)	44

**CLAUSES INCORPORATED BY REFERENCE**

This contract incorporates the following clauses by reference with the same force and effect as if they were given in full text. Upon request the Contracting Officer will make the full text available.

I.13 FAR 52.202-1	DEFINITIONS (JUL 2004) AS MODIFIED BY DEAR 952.202-1	
I.14 FAR 52.203-3	GRATUITIES (APR 1984)	
I-15 FAR 52.203-5	COVENANT AGAINST CONTINGENT FEES (APR 1984)	
I.16 FAR 52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (JUL 1995)	
I.17 FAR 52.203-7	ANTI-KICKBACK PROCEDURES (JUL 1995)	
I.18 FAR 52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)	
I.19 FAR 52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)	
I.20 FAR 52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (JUN 2003)	
I.21 FAR 52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER (AUG 2000)	

- I.22 FAR 52.204-7 CENTRAL CONTRACTOR REGISTRATION (OCT 2003)
- I.23 FAR 52.209-6 PROTECTING THE GOVERNMENT'S INTEREST WHEN  
SUBCONTRACTING WITH CONTRACTORS DEBARRED,  
SUSPENDED, OR PROPOSED FOR  
DEBARMENT (JUL 1995)
- I.24 FAR 52.215-2 AUDIT AND RECORDS--NEGOTIATION (JUN 1999)
- I.25 FAR 52.215-8 ORDER OF PRECEDENCE (OCT 1997)
- I.26 FAR 52.215-10 PRICE REDUCTION FOR DEFECTIVE COST OR  
PRICING DATA (OCT 1997)
- I.27 FAR 52.215-12 SUBCONTRACTOR COST OR PRICING DATA (OCT 1997)
- I.28 FAR 52.215-14 INTEGRITY OF UNIT PRICES (OCT 1997)
- I.29 FAR 52.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS (OCT 2000)
- I.30 FAR 52.219-9 SMALL BUSINESS SUBCONTRACTING PLAN (JAN 2002)
- I.31 FAR 52.219-16 LIQUIDATED DAMAGES – SUBCONTRACTING PLAN (JAN 1999)
- I.32 FAR 52.222-1 NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (FEB 1997)
- I.33 FAR 52.222-3 CONVICT LABOR (JUN 2003)
- I.34 FAR 52.222-4 CONTRACT WORK HOURS AND SAFETY STANDARDS ACT-  
OVERTIME COMPENSATION (SEPT 2000)
- I.35 FAR 52.222-21 PROHIBITION OF SEGREGATED FACILITIES(FEB 1999)
- I.36 FAR 52.222-26 EQUAL OPPORTUNITY (APR 2002)
- I.37 FAR 52.222-27 AFFIRMATIVE ACTION COMPLIANCE REQUIREMENTS  
FOR CONSTRUCTION (FEB 1999)
- I.38 FAR 52.222-35 EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS,  
VETERANS OF THE VIETNAM ERA, AND OTHER ELIBIBLE  
VERTERANS (DEC 2001)
- I.39 FAR 52.222-36 AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES  
(JUN 1998)
- I.40 FAR 52.222-37 EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS AND  
VETERANS OF THE VIETNAM ERA) (DEC 2001)
- I.41 FAR 52.222-41 SERVICE CONTRACT ACT OF 1995, AS AMENDED (MAY 1989)
- I.42 FAR 52.222-43 FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT  
PRICEADJUSTMENTS (MULTIPLE YEAR & OPTION  
CONTRACTS)(MAY 1989)
- I.43 FAR 52.223-6 DRUG-FREE WORKPLACE (MAY 2001)
- I.44 FAR 52.223-14 TOXIC CHEMICAL RELEASE REPORTING (AUG 2003)
- I.45 FAR 52.225-1 BUY AMERICAN ACT-SUPPLIES (JUN 2003)
- I.46 FAR 52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (DEC 2003)
- I.47 FAR 52.225-16 SANCTIONED EUROPEAN UNION COUNTRY SERVICES (FEB 2000)
- I.48 FAR 52.227-1 AUTHORIZATION AND CONSENT (JUL 1995)
- I.49 FAR 52.227-2 NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT  
INFRINGEMENT (AUG 1996)
- I.50 FAR 52.227-23 RIGHTS TO PROPOSAL DATA (TECHNICAL) (JUN 1987)
- I.51 FAR 52.229-4 FEDERAL, STATE, AND LOCAL TAXES (STATE AND LOCAL  
ADJUSTMENTS)(APR 2003)
- I.52 FAR 52.232-1 PAYMENTS (APR 1984)
- I.53 FAR 52.232-7 PAYMENT UNDER TIME-AND-MATERIAL AND LABOR-HOUR  
CONTRACTS (DEC 2002)

- I.54 FAR 52.232-8 DISCOUNTS FOR PROMPT PAYMENTS (FEB 2002)
- I.55 FAR 52.232-9 LIMITATION ON WITHHOLDING OF PAYMENTS (APR 1984)
- I.56 FAR 52.232-11 EXTRAS (APR 1984)
- I.57 FAR 52.232-17 INTEREST (JUNE 1996)
- I.58 FAR 52.232-18 AVAILABILITY OF FUNDS (APR 1984)
- I.59 FAR 52.232-19 AVAILABILITY OF FUNDS FOR THE NEXT FISCAL YEAR (APR 1984)
- I.60 FAR 52.232-23 ASSIGNMENT OF CLAIMS (JAN 1986)
- I.61 FAR 52.232-25 PROMPT PAYMENT (OCT 2003)
- I.62 FAR 52.233-1 DISPUTES (JUL 2002) ALTERNATE I (DEC 1991)
- I.63 FAR 52.233-4 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (OCT 2004)
- I.64 FAR 52.236-13 ACCIDENT PREVENTION (NOV 1991) ALTERNATE I (NOV 1991)
- I.65 FAR 52.241-2 ORDER OF PRECEDENCE-UTILITIES (FEB 1995)
- I.66 FAR 52.241-4 CHANGE IN CLASS OF SERVICE (FEB 1995)
- I.67 FAR 52.241-5 CONTRACTOR'S FACILITIES (FEB 1995)
- I.68 FAR 52.241-11 MULTIPLE SERVICE LOCATIONS (FEB 1995)
- I.69 FAR 52.242-13 BANKRUPTCY (JUL 1995)
- I.70 FAR 52.243-1 CHANGES - FIXED PRICE - ALTERNATES I (AUG 1984)
- I.71 FAR 52.243-3 CHANGES—TIME-AND-MATERIAL OR LABOR HOUR (SEP 2000)
- I.72 FAR 52.244-2 SUBCONTACTS (AUG 1998)
- I.73 FAR 52.244-5 COMPETITION IN SUBCONTRACTING (DEC 1996)
- I.74 FAR 52.246-6 INSPECTION—TIME-AND-MATERIAL AND LABOR HOUR  
(MAY 2001)
- I.75 FAR 52.246-25 LIMITATION OF LIABILITY— SERVICES (FEB 1997)
- I.76 FAR 52.249-2 TERMINATION FOR CONVENIENCE OF THE GOVERNMENT  
(FIXED-PRICE) (AUG 2004)
- I.77 FAR 52.249-8 DEFAULT (FIXED PRICE SUPPLY AND SERVICE) (MAY 1995)
- I.78 FAR 52.253-1 COMPUTER GENERATED FORMS (JAN 1991)
- I.79 DEAR 952.226.74 DISPLACED EMPLOYEE HIRING PREFERENCE (JUN 1997)

**(THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK)**

**FULL TEXT CLAUSES**

**I.01 FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE (JUN 1998)**

This contract incorporates one (1) or more clauses by reference with the same force and effect as if they were given in full text. Upon request the Contracting Officer will make the full text available.

**I.02 FAR 52.216-6 PRICE REDETERMINATION—RETROACTIVE (OCT 1997)**

(a) *General.* The unit price and the total price stated in this contract shall be redetermined in accordance with this clause, but in no event shall the total amount paid under this contract exceed **the South Carolina Public Service Commission approved/regulated rates or changes implemented by the PSC during the period of performance of this contract.**

(b) *Definition.* "Costs," as used in this clause, means allowable costs in accordance with Part 31 of the Federal Acquisition Regulation (FAR) in effect on the date of this contract.

(c) Data submission.

(1) Within **30 days** after delivery of all supplies to be delivered and completion of all services to be performed under this contract, the Contractor shall submit—

(i) Proposed prices;

(ii) A statement in the format of Table 15-2, FAR 15.408, or in any other form on which the parties may agree, of all costs incurred in performing the contract; and

(iii) Any other relevant data that the Contracting Officer may reasonably require.

(2) If the Contractor fails to submit the data required by paragraph (c)(1) of this section within the time specified, the Contracting Officer may suspend payments under this contract until the data are furnished. If it is later determined that the Government has overpaid the Contractor, the excess shall be repaid to the Government immediately. Unless repaid within 30 days after the end of the data submittal period, the amount of the excess shall bear interest, computed from the date the data were due to the date of repayment, at the rate established in accordance with the Interest clause.

(d) *Price determination.* Upon the Contracting Officer's receipt of the data required by paragraph (c) of this section, the Contracting Officer and the Contractor shall promptly negotiate to redetermine fair and reasonable prices for supplies delivered and services performed by the Contractor under this

contract.

- (e) *Contract modification.* The negotiated redetermination of price shall be evidenced by a modification to this contract, signed by the Contractor and the Contracting Officer.
- (f) *Adjusting billing prices.* Pending execution of the contract modification (see paragraph (e) of this section), the Contractor shall submit invoices or vouchers in accordance with billing prices stated in this contract. If at any time it appears that the then-current billing prices will be substantially greater than the estimated final prices, or if the Contractor submits data showing that the redetermined prices will be substantially greater than the current billing prices, the parties shall negotiate an appropriate decrease or increase in billing prices. Any billing price adjustment shall be reflected in a contract modification and shall not affect the redetermination of prices under this clause. After the contract modification for price redetermination is executed, the total amount paid or to be paid on all invoices or vouchers shall be adjusted to reflect the agreed-upon prices, and any resulting additional payments, refunds, or credits shall be made promptly.
- (g) *Quarterly limitation on payments statement.* This paragraph (g) shall apply until final price redetermination under this contract has been completed.
- (1) Within 45 days after the end of the quarter of the Contractor's fiscal year in which a delivery is first made (or services are first performed) and accepted by the Government under this contract, and for each quarter thereafter, the Contractor shall submit to the contract administration office (with a copy to the contracting office and the cognizant contract auditor), a statement, cumulative from the beginning of the contract, showing—
- (i) The total contract price of all supplies delivered (or services performed) and accepted by the Government and for which final prices have been established;
  - (ii) The total costs (estimated to the extent necessary) reasonably incurred for, and properly allocable solely to, the supplies delivered (or services performed) and accepted by the Government and for which final prices have not been established;
  - (iii) The portion of the total interim profit (used in establishing the initial contract price or agreed to for the purpose of this paragraph (g)) that is in direct proportion to the supplies delivered (or services performed) and accepted by the Government and for which final prices have not been established; and
  - (iv) The total amount of all invoices or vouchers for supplies delivered (or services performed) and accepted by the Government (including amounts applied or to be applied to liquidate progress payments).

- (2) Notwithstanding any provision of this contract authorizing greater payments, if on any quarterly statement the amount under subdivision (g)(1)(iv) of this section exceeds the sum due the Contractor, as computed in accordance with subdivisions (g)(1)(i), (ii), and (iii) of this section, the Contractor shall immediately refund or credit to the Government the amount of this excess. The Contractor may, when appropriate, reduce this refund or credit by the amount of any applicable tax credits due the contractor under 26 U.S.C. 1481 and by the amount of previous refunds or credits effected under this clause. If any portion of the excess has been applied to the liquidation of progress payments, then that portion may, instead of being refunded, be added to the unliquidated progress payment account, consistent with the Progress Payments clause. The Contractor shall provide complete details to support any claimed reduction in refunds.
- (3) If the Contractor fails to submit the quarterly statement within 45 days after the end of each quarter and it is later determined that the Government has overpaid the Contractor, the Contractor shall repay the excess to the Government immediately. Unless repaid within 30 days after the end of the statement submittal period, the amount of the excess shall bear interest, computed from the date the quarterly statement was due to the date of repayment, at the rate established in accordance with the Interest clause.
- (h) *Subcontracts*. No subcontract placed under this contract may provide for payment on a cost-plus-a-percentage-of-cost basis.
- (i) *Disagreements*. If the Contractor and the Contracting Officer fail to agree upon redetermined prices within 60 days (or within such other period as the parties agree) after the date on which the data required by paragraph (c) of this section are to be submitted, the Contracting Officer shall promptly issue a decision in accordance with the Disputes clause. For the purpose of paragraphs (e), (f), and (g) of this section, and pending final settlement of the disagreement on appeal, by failure to appeal, or by agreement, this decision shall be treated as an executed contract modification.
- (j) *Termination*. If this contract is terminated before price redetermination, prices shall be established in accordance with this clause for completed supplies and services not terminated. All other elements of the termination shall be resolved in accordance with other applicable clauses of this contract.

**I.03 FAR 52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER—CENTRAL CONTRACTOR REGISTRATION (OCT 2003)**

(a) Method of payment.

- (1) All payments by the Government under this contract shall be made by electronic funds transfer (EFT), except as provided in paragraph (a)(2) of this clause. As used in this clause, the term "EFT" refers to the funds transfer and



may also include the payment information transfer.

- (2) In the event the Government is unable to release one or more payments by EFT, the Contractor agrees to either—
- (i) Accept payment by check or some other mutually agreeable method of payment; or
  - (ii) Request the Government to extend the payment due date until such time as the Government can make payment by EFT (but see paragraph (d) of this clause).
- (b) *Contractor's EFT information.* The Government shall make payment to the Contractor using the EFT information contained in the Central Contractor Registration (CCR) database. In the event that the EFT information changes, the Contractor shall be responsible for providing the updated information to the CCR database.
- (c) *Mechanisms for EFT payment.* The Government may make payment by EFT through either the Automated Clearing House (ACH) network, subject to the rules of the National Automated Clearing House Association, or the Fedwire Transfer System. The rules governing Federal payments through the ACH are contained in 31 CFR Part 210.
- (d) *Suspension of payment.* If the Contractor's EFT information in the CCR database is incorrect, then the Government need not make payment to the Contractor under this contract until correct EFT information is entered into the CCR database; and any invoice or contract financing request shall be deemed not to be a proper invoice for the purpose of prompt payment under this contract. The prompt payment terms of the contract regarding notice of an improper invoice and delays in accrual of interest penalties apply.
- (e) *Liability for uncompleted or erroneous transfers.*
- (1) If an uncompleted or erroneous transfer occurs because the Government used the Contractor's EFT information incorrectly, the Government remains responsible for—
    - (i) Making a correct payment;
    - (ii) Paying any prompt payment penalty due; and
    - (iii) Recovering any erroneously directed funds.
  - (2) If an uncompleted or erroneous transfer occurs because the Contractor's EFT information was incorrect, or was revised within 30 days of Government release of the EFT payment transaction instruction to the Federal Reserve System, and—
    - (i) If the funds are no longer under the control of the payment office, the Government is deemed to have made payment and the Contractor is

responsible for recovery of any erroneously directed funds; or

(ii) If the funds remain under the control of the payment office, the Government shall not make payment, and the provisions of paragraph (d) of this clause shall apply.

- (f) *EFT and prompt payment.* A payment shall be deemed to have been made in a timely manner in accordance with the prompt payment terms of this contract if, in the EFT payment transaction instruction released to the Federal Reserve System, the date specified for settlement of the payment is on or before the prompt payment due date, provided the specified payment date is a valid date under the rules of the Federal Reserve System.
- (g) *EFT and assignment of claims.* If the Contractor assigns the proceeds of this contract as provided for in the assignment of claims terms of this contract, the Contractor shall require as a condition of any such assignment, that the assignee shall register separately in the CCR database and shall be paid by EFT in accordance with the terms of this clause. Notwithstanding any other requirement of this contract, payment to an ultimate recipient other than the Contractor, or a financial institution properly recognized under an assignment of claims pursuant to Subpart 32.8, is not permitted. In all respects, the requirements of this clause shall apply to the assignee as if it were the Contractor. EFT information that shows the ultimate recipient of the transfer to be other than the Contractor, in the absence of a proper assignment of claims acceptable to the Government, is incorrect EFT information within the meaning of paragraph (d) of this clause.
- (h) *Liability for change of EFT information by financial agent.* The Government is not liable for errors resulting from changes to EFT information made by the Contractor's financial agent.
- (i) *Payment information.* The payment or disbursing office shall forward to the Contractor available payment information that is suitable for transmission as of the date of release of the EFT instruction to the Federal Reserve System. The Government may request the Contractor to designate a desired format and method(s) for delivery of payment information from a list of formats and methods the payment office is capable of executing. However, the Government does not guarantee that any particular format or method of delivery is available at any particular payment office and retains the latitude to use the format and delivery method most convenient to the Government. If the Government makes payment by check in accordance with paragraph (a) of this clause, the Government shall mail the payment information to the remittance address contained in the CCR database.

**1.04 52.233-2 SERVICE OF PROTEST (AUG 1996)/DEAR 952.233-2 – SERVICE OF PROTEST**

- (a) Protests, as defined in FAR 33.101, Definitions, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office, shall be served on the Contracting Officer (addressed as follows) by

obtaining written and dated acknowledgment of receipt from:

Contracting Officer  
 U. S. Department of Energy  
 Savannah River Operations Office  
 Office of Contracts Management  
 SRS Road 1, Building 730-B (for hand delivery/Express mail) or P.O. Box A (if using U.S. Mail)  
 Aiken, SC 29802

- (b) The copy of any protest shall be received in the office designated above within one day of filing protest with the General Accounting Office.
- (c) Another copy of a protest filed with the General Accounting Office shall be furnished to the following address within the time periods described in paragraph (b) of this Provision:

U.S. Department of Energy  
 Assistant General Counsel for Procurement and Financial Assistance (GC-61)  
 1000 Independence Avenue, S.W.  
 Washington, DC 20585  
 FAX: (202) 586-4546

**I.05 FAR 52.241-3 SCOPE AND DURATION OF CONTRACT (FEB 1995)**

- (a) For the period (five (5) years from the effective date of award with 3 one-year options, [insert period of service] the Contractor agrees to furnish and the Government agrees to purchase Utility Service [insert type of service] utility service in accordance with the applicable tariff(s), rules, and regulations as approved by the applicable governing regulatory body and as set forth in the contract.
- (b) It is expressly understood that neither the Contractor nor the Government is under any obligation to continue any service under the terms and conditions of this contract beyond the expiration date.
- (c) The Contractor shall provide the Government with one complete set of rates, terms, and conditions of service which are in effect as of the date of this contract and any subsequently approved rates.
- (d) The Contractor shall be paid at the applicable rate(s) under the tariff and the Government shall be liable for the minimum monthly charge, if any, specified in this contract commencing with the period in which service is initially furnished and continuing for the term of this contract. Any minimum monthly charge specified in this contract shall be equitably prorated for the periods in which commencement and termination of this contract become effective.

**I.06 FAR 52.241-6 SERVICE PROVISIONS (FEB 1995)****(a) Measurement of service.**

- (1) All service furnished by the Contractor shall be measured by suitable metering equipment of standard manufacture, to be furnished, installed, maintained, repaired, calibrated, and read by the Contractor at its expense. When more than a single meter is installed at a service location, the readings thereof may be billed conjunctively, if appropriate. In the event any meter fails to register (or registers incorrectly) the service furnished, the parties shall agree upon the length of time of meter malfunction and the quantity of service delivered during such period of time. An appropriate adjustment shall be made to the next invoice for the purpose of correcting such errors. However, any meter which registers not more than 2% percent slow or fast shall be deemed correct.
- (2) The Contractor shall read all meters at periodic intervals of approximately 30 days or in accordance with the policy of the cognizant regulatory body or applicable bylaws. All billings based on meter readings of less than 26 days shall be prorated accordingly.

**(b) Meter test.**

- (1) The Contractor, at its expense, shall periodically inspect and test Contractor-installed meters at intervals not exceeding 1 year(s). The Government has the right to have representation during the inspection and test.
- (2) At the written request of the Contracting Officer, the Contractor shall make additional tests of any or all such meters in the presence of Government representatives. The cost of such additional tests shall be borne by the Government if the percentage of errors is found to be not more than 2 percent slow or fast.
- (3) No meter shall be placed in service or allowed to remain in service which has an error in registration in excess of 2 percent under normal operating conditions.

(c) *Change in volume or character.* Reasonable notice shall be given by the Contracting Officer to the Contractor regarding any material changes anticipated in the volume or characteristics of the utility service required at each location.

(d) *Continuity of service and consumption.* The Contractor shall use reasonable diligence to provide a regular and uninterrupted supply of service at each service location, but shall not be liable for damages, breach of contract or otherwise, to the Government for failure, suspension, diminution, or other variations of service occasioned by or in consequence of any cause beyond the control of the Contractor, including but not limited to acts of God or of the public enemy, fires, floods, earthquakes, or other catastrophe, strikes, or failure or breakdown of transmission or other facilities. If any such failure, suspension, diminution, or other variation of service shall aggregate more than 10 hour(s) during any billing period hereunder, an equitable

adjustment shall be made in the monthly billing specified in this contract (including the minimum monthly charge).

**I.07 FAR 52.241-7 CHANGE IN RATES OR TERMS AND CONDITIONS OF SERVICE FOR REGULATED SERVICES (FEB 1995)**

- (a) This clause applies to the extent services furnished under this contract are subject to regulation by a regulatory body. The Contractor agrees to give written notice of (1) the filing of an application for change in rates or terms and conditions of service concurrently with the filing of the application and (2) any changes pending with the regulatory body as of the date of contract award. Such notice shall fully describe the proposed change. If, during the term of this contract, the regulatory body having jurisdiction approves any changes, the Contractor shall forward to the Contracting Officer a copy of such changes within 15 days after the effective date thereof. The Contractor agrees to continue furnishing service under this contract in accordance with the amended tariff, and the Government agrees to pay for such service at the higher or lower rates as of the date when such rates are made effective.
- (b) The Contractor agrees that throughout the life of this contract the applicable published and unpublished rate schedule(s) shall not be in excess of the lowest cost published and unpublished rate schedule(s) available to any other customers of the same class under similar conditions of use and service.
- (c) In the event that the regulatory body promulgates any regulation concerning matters other than rates which affects this contract, the Contractor shall immediately provide a copy to the Contracting Officer. The Government shall not be bound to accept any new regulation inconsistent with Federal laws or regulations.
- (d) Any changes to rates or terms and conditions of service shall be made a part of this contract by the issuance of a contract modification unless otherwise specified in the contract. The effective date of the change shall be the effective date by the regulatory body. Any factors not governed by the regulatory body will have an effective date as agreed to by the parties.

**I.08 DEAR 952.204-2 SECURITY (MAY 2002)**

- (a) Responsibility. It is the contractor's duty to safeguard all classified information, special nuclear material, and other DOE property. The contractor shall, in accordance with DOE security regulations and requirements, be responsible for safeguarding all classified information and protecting against sabotage, espionage, loss or theft of the classified documents and material in the contractor's possession in connection with the performance of work under this contract. Except as otherwise expressly provided in this contract, the contractor shall, upon completion or termination of this contract, transmit to DOE any classified matter in the possession of the contractor or any person under the contractor's control in connection with performance of this contract. If retention by the contractor of any classified matter is required after the completion or termination of the contract, the contractor shall identify the items and types or categories of matter proposed for retention, the reasons for the retention of the

matter, and the proposed period of retention. If the retention is approved by the contracting officer, the security provisions of the contract shall continue to be applicable to the matter retained. Special nuclear material shall not be retained after the completion or termination of the contract.

- (b) Regulations. The contractor agrees to comply with all security regulations and requirements of DOE in effect on the date of award.
- (c) Definition of classified information. The term 'classified information' means Restricted Data, Formerly Restricted Data, or National Security Information.
- (d) Definition of restricted data. The term 'Restricted Data' means all data concerning (1) design, manufacture, or utilization of atomic weapons; (2) the production of special nuclear material in production of energy, but shall not include data declassified or removed from the Restricted Data category pursuant to Section 142 of the Atomic Energy Act of 1954, as amended.
- (e) Definition of formerly restricted data. The term 'Formerly Restricted Data' means all data removed from the Restricted Data category under section 142 d. of the Atomic Energy Act of 1954, as amended.
- (f) Definition of National Security Information. The term 'National Security Information' means any information or material, regardless of its physical form or characteristics, that has been determined pursuant to Executive Order 12356 or prior Orders to require protection against unauthorized disclosure, and which is so designated.
- (g) Definition of Special Nuclear Material (SNM). SNM means: (1) plutonium, uranium enriched in the isotope 233 or in the isotope 235, and any other material which pursuant to the provisions of Section 51 of the Atomic Energy Act of 1954, as amended, has been determined to be special nuclear material, but does not include source material; or (2) any material artificially enriched by any of the foregoing, but does not include source material.
- (h) Security clearance of personnel. The contractor shall not permit any individual to have access to any classified information, except in accordance with the Atomic Energy Act of 1954, as amended, Executive Order 12356, and the DOE's regulations or requirements applicable to the particular level and category of classified information to which access is required.
- (i) Criminal liability. It is understood that disclosure of any classified information relating to the work or services ordered hereunder to any person not entitled to receive it, or failure to safeguard any classified information that may come to the contractor or any person under the contractor's control in connection with work under this contract, may subject the contractor, its agents, employees, or subcontractors to criminal liability under the laws of the United States. (See the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2011 et seq.; 18 U.S.C. 793 and 794; and E.O. 12356.)



(j) Foreign Ownership, Control or Influence.

- (1) The Contractor shall immediately provide the cognizant security office written notice of any change in the extent and nature of foreign ownership, control or influence over the contractor which would affect any answer to the questions presented in the Certificate Pertaining to Foreign Interests, Standard Form 328 or the Foreign Ownership, Control or Influence questionnaire executed by the Contractor prior to the award of this contract. In addition, any notice of changes in ownership or control which are required to be reported to the Securities and Exchange Commission, the Federal Trade Commission, or the Department of Justice shall also be furnished concurrently to the Contracting Officer.
- (2) If a Contractor has changes involving foreign ownership, control or influence, DOE must determine whether the changes will pose an undue risk to the common defense and security. In making this determination, DOE will consider proposals made by the Contractor to avoid or mitigate foreign influences.
- (3) If the cognizant security office at any time determines that the Contractor is, or is potentially, subject to foreign ownership, control or influence, the Contractor shall comply with such instructions as the Contracting Officer shall provide in writing to safeguard any classified information or special nuclear material.
- (4) The Contractor agrees to insert terms that conform substantially to the language of this clause, including this paragraph, in all subcontracts under this contract that will require subcontractor employees to possess access authorizations. Additionally, the Contractor must require subcontractors to have an existing DOD or DOE Facility Clearance or submit a completed Certificate Pertaining to Foreign Interests, Standard Form 328, required in DEAR 952.204-73 prior to award of a subcontract.
- (5) The Contracting Officer may terminate this contract for default either if the Contractor fails to meet obligations imposed by this clause or if the Contractor creates a FOCI situation in order to avoid performance or a termination for default. The Contracting Officer may terminate this contract for convenience if the Contractor becomes subject to FOCI and for reasons other than avoidance of performance of the contract, cannot, or chooses not to, avoid or mitigate the FOCI problem.

**I.09 DEAR 952.204-70 CLASSIFICATION/DECLASSIFICATION (SEP 1997)**

In the performance of the work under this contract, the contractor or subcontractor shall comply with all provisions of the Department of Energy's regulations and mandatory DOE directives which apply to work involving the classification and declassification of information, documents, or material. In this section, 'information' means facts, data, or

knowledge itself; 'document' means the physical medium on or in which information is recorded; and 'material' means a product or substance which contains or reveals information, regardless of its physical form or characteristics. Classified information is 'Restricted Data' and 'Formerly Restricted Data' (classified under the Atomic Energy Act of 1954, as amended) and 'National Security Information' (classified under Executive Order 12958 or prior Executive Orders).

The original decision to classify or declassify information is considered an inherently Governmental function. For this reason, only Government personnel may serve as original classifiers, i.e., Federal Government Original Classifiers. Other personnel (Government or contractor) may serve as derivative classifiers which involves making classification decisions based upon classification guidance which reflect decisions made by Federal Government Original Classifiers.

The contractor or subcontractor shall ensure that any document or material that may contain classified information is reviewed by either a Federal Government or a Contractor Derivative Classifier in accordance with classification regulations including mandatory DOE directives and classification/declassification guidance furnished to the contractor by the Department of Energy to determine whether it contains classified information prior to dissemination. For information which is not addressed in classification/declassification guidance, but whose sensitivity appears to warrant classification, the contractor or subcontractor shall ensure that such information is reviewed by a Federal Government Original Classifier.

In addition, the contractor or subcontractor shall ensure that existing classified documents (containing either Restricted Data or Formerly Restricted Data or National Security Information) which are in its possession or under its control are periodically reviewed by a Federal Government or Contractor Derivative Declassifier in accordance with classification regulations, mandatory DOE directives and classification/declassification guidance furnished to the contractor by the Department of Energy to determine if the documents are no longer appropriately classified. Priorities for declassification review of classified documents shall be based on the degree of public and researcher interest and the likelihood of declassification upon review. Documents that no longer contain classified information are to be declassified. Declassified documents then shall be reviewed to determine if they are publicly releasable. Documents that are declassified and determined to be publicly releasable are to be made available to the public in order to maximize the public's access to as much Government information as possible while minimizing security costs.

The contractor or subcontractor shall insert this clause in any subcontract which involves or may involve access to classified information.

**I.10 DEAR 952.208-70 PRINTING (APR 1984)**

The Contractor shall not engage in, nor subcontract for any printing (as that term is defined in Title I of the U.S. Government Printing and Binding Regulations in effect on the effective date of this contract) in connection with the performance of work under this contract. Provided, however, that performance of a requirement under this contract involving the duplication of less than 5,000 copies of a single unit, or no more than

25,000 units in the aggregate of multiple units, will not be deemed to be printing. A unit is defined as one sheet, size 8 1/2 by 11 inches one side only, one color. A requirement is defined as a single publication document.

- (1) The term 'printing' includes the following processes: composition, plate making, presswork, binding, microform publishing, or the end items produced by such processes.
- (2) If fulfillment of the contract will necessitate reproduction in excess of the limits set forth above, the Contractor shall notify the contracting officer in writing and obtain the contracting officer's approval prior to acquiring on DOE's behalf production, acquisition, and dissemination of printed matter. Such printing must be obtained from the Government Printing Office (GPO), a contract source designated by GPO or a Joint Committee on Printing authorized federal printing plant.
- (3) Printing services not obtained in compliance with this guidance will result in the cost of such printing being disallowed.
- (4) The Contractor will include in each of his subcontracts hereunder a provision substantially the same as this clause including this paragraph (4).

#### **I.11 DEAR 952.209-72 ORGANIZATIONAL CONFLICTS OF INTEREST (JUN 1997)**

(a) Purpose. The purpose of this clause is to ensure that the contractor--

- (1) is not biased because of its financial, contractual, organizational, or other interests which relate to the work under this contract, and
- (2) does not obtain any unfair competitive advantage over other parties by virtue of its performance of this contract.

(b) Scope.

The restrictions described herein shall apply to performance or participation by the contractor and any of its affiliates or their successors in interest (hereinafter collectively referred to as 'contractor') in the activities covered by this clause as a prime contractor, subcontractor, cosponsor, joint venturer, consultant, or in any similar capacity. For the purpose of this clause, affiliation occurs when a business concern is controlled by or has the power to control another or when a third party has the power to control both.

(1) Use of Contractor's Work Product.

- (i) The contractor shall be ineligible to participate in any capacity in Department contracts, subcontracts, or proposals therefor (solicited and unsolicited) which stem directly from the contractor's performance of work under this contract for a period of (Contracting Officer see DEAR 9.507-2 and enter specific term) years after the completion of this contract. Furthermore, unless so directed in writing by the contracting officer, the Contractor shall not perform any advisory and assistance services work under this contract on any of its products or services or the products or services of another firm if the contractor is or has been substantially involved in their development or marketing. Nothing in this subparagraph shall preclude the contractor from competing for follow-on contracts for advisory and assistance services.
- (ii) If, under this contract, the contractor prepares a complete or essentially

complete statement of work or specifications to be used in competitive acquisitions, the contractor shall be ineligible to perform or participate in any capacity in any contractual effort which is based on such statement of work or specifications. The contractor shall not incorporate its products or services in such statement of work or specifications unless so directed in writing by the contracting officer, in which case the restriction in this subparagraph shall not apply.

(iii) Nothing in this paragraph shall preclude the contractor from offering or selling its standard and commercial items to the Government.

**(2) Access to and use of information.**

(i) If the contractor, in the performance of this contract, obtains access to information, such as Department plans, policies, reports, studies, financial plans, internal data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or data which has not been released or otherwise made available to the public, the contractor agrees that without prior written approval of the contracting officer it shall not:

- (A) use such information for any private purpose unless the information has been released or otherwise made available to the public;
- (B) compete for work for the Department based on such information for a period of six (6) months after either the completion of this contract or until such information is released or otherwise made available to the public, whichever is first;
- (C) submit an unsolicited proposal to the Government which is based on such information until one year after such information is released or otherwise made available to the public; and
- (D) release such information unless such information has previously been released or otherwise made available to the public by the Department.

(i) In addition, the contractor agrees that to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or other confidential or privileged technical, business, or financial information under this contract, it shall treat such information in accordance with any restrictions imposed on such information.

(ii) The contractor may use technical data it first produces under this contract for its private purposes consistent with paragraphs (b)(2)(i) (A) and (D) of this clause and the patent, rights in data, and security provisions of this contract.

**(c) Disclosure after award.**

(1) The contractor agrees that, if changes, including additions, to the facts disclosed by it prior to award of this contract, occur during the performance of this contract, it shall make an immediate and full disclosure of such changes in writing to the

contracting officer. Such disclosure may include a description of any action which the contractor has taken or proposes to take to avoid, neutralize, or mitigate any resulting conflict of interest. The Department may, however, terminate the contract for convenience if it deems such termination to be in the best interest of the Government.

- (3) In the event that the contractor was aware of facts required to be disclosed or the existence of an actual or potential organizational conflict of interest and did not disclose such facts or such conflict of interest to the contracting officer, DOE may terminate this contract for default.
- (d) Remedies. For breach of any of the above restrictions or for nondisclosure or misrepresentation of any facts required to be disclosed concerning this contract, including the existence of an actual or potential organizational conflict of interest at the time of or after award, the Government may terminate the contract for default, disqualify the contractor from subsequent related contractual efforts, and pursue such other remedies as may be permitted by law or this contract.
- (e) Waiver. Requests for waiver under this clause shall be directed in writing to the contracting officer and shall include a full description of the requested waiver and the reasons in support thereof. If it is determined to be in the best interests of the Government, the contracting officer may grant such a waiver in writing.

**I.12 DEAR 952.235-70 KEY PERSONNEL (APR 1994)**

The personnel specified in Section H.14 to this contract are considered to be essential to the work being performed hereunder. Prior to diverting any of the specified individuals to other programs, the Contractor shall notify the contracting officer reasonably in advance and shall submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on the program. No diversion shall be made by the contractor without the written consent of the contracting officer, provided that the contracting officer may ratify in writing such diversion and such ratification shall constitute the consent of the contracting officer required by this clause. The attachment to this contract may be amended from time to time during the course of the contract to either add or delete personnel, as appropriate.

**PART III – LIST OF ATTACHMENTS, EXHIBITS AND DOCUMENTS**

**SECTION J**

**LIST OF ATTACHMENTS**

<b><u>Attachment</u></b>	<b><u>Description</u></b>	<b><u>NUMBER OF PAGES</u></b>
J.01	Leases (Copy from Contract No. DE-AC09-95SR18531) *Lease of Electrical Transmission Lines and Substations (14 pages)	46
J.02	Rates 23, Industrial Power Service (11 pages)	47
J.03	Electrical Load Forecasts (3 pages)	48
J.04	WSRC's Report, O&M Scope Reduction Study – 115KV Transmission System (8 pages)	49

**\*NOTE: TRANSMISSION SUBSTATIONS (EXHIBIT A, MAP(S) AND DRAWING(S) TO ATTACHMENT J.01 COPIES ON FILE AT THE DEPARTMENT OF ENERGY, OFFICE OF CONTRACTS MANAGEMENT). IF APPLICAPBLE, COPIES OF THE DOCUMENTS WILL BE PROVIDED TO THE CONTRACTOR UPON REQUEST). POINT OF CONTRACT: SEE SECTION G.01 OR G.02 OF SUBJECT CONTRACT.**

**PART III – LIST OF ATTACHMENTS, EXHIBITS AND DOCUMENTS**

**SECTION J**

**LIST OF ATTACHMENTS**

<b><u>Attachment</u></b>	<b><u>Description</u></b>	<b><u>NUMBER OF PAGES</u></b>
J.01	Leases (Copy from Contract No. DE-AC09-95SR18531) Lease of Electrical Transmission Lines and Substations (14 pages) Transmission Substations (Exhibit A, maps 2/pages under separate cover)	46
J.02	Rates 23, Industrial Power Service (11 pages)	47
J.03	Electrical Load Forecasts (3 pages)	48
<del>J.07</del> J.04	WSRC's Report , O&M Scope Reduction Study – 115KV \ Transmission System (8 pages)	49

**\*NOTE: MAP AND DRAWING TO ATTACHMENT J.01 IS UNDER SEPARATE COVER**

*See Note # M001  
5-9-06/Added 10-24-06*



Attachment J.01

Lease of Electrical Transmission Lines and  
Substations  
(14 pages)

Transmission Substations (~~Exhibit A, maps 2/pages (under separate cover)~~)

*See mob # 11001  
Signed/Dated 10 July 2006*

**DEPARTMENT OF ENERGY LEASE  
Transmission Facilities and Substations  
Savannah River Site**

**NO. DE-RO09-95SR18531**

**THIS LEASE**, made on behalf of the United States, between the Department of Energy, hereinafter referred to as DOE, and the South Carolina Electric & Gas Company an electric utility company operating under South Carolina Code of Laws, Section 58-27-620, hereinafter referred to as SCE&G.

**WITNESSETH:**

That DOE by the authority of Section 161g of the Atomic Energy Act as amended, 42 U.S.C. 2201(g), and for the consideration set forth, hereby leases to the SCE&G certain tract(s) of real property situated at the Savannah River Site (SRS), in Aiken, Barnwell, and Allendale County, South Carolina constituting the following parcels:

Substations and Transmission Facilities, as described in Exhibit A, herein after referred to as the Transmission Facilities.

(said parcels of real property being collectively referred to from time to time as the "property"); together with all and singular the rights and appurtenances pertaining to such property, including such easements, rights-of-way, privileges, facility utilization rights and appurtenances, including:

(i) all improvements, structures and fixtures now constructed and completed or under construction with respect to and situated on the property and

(ii) Rights-of-way and easements to land associated with Substations and Transmission Facilities.

c. In addition, DOE assigns and transfers to SCE&G for its use in operating the Facilities during the Lease Term its rights in and to the following:

(i) Inventory and Equipment, unique to the operation of the leased facilities in Exhibit A, including transformers described in Exhibit B

(ii) Permits, to the extent assignable;

(iii) Any and all assignable warranties and/or guaranties relating to the Property or any portion thereof; and

All of the foregoing items other than the Real Property are hereinafter collectively called the "Personal Property." The Real Property and the Personal Property shall be collectively hereinafter referred to as the "Property."

**THIS LEASE** is granted subject to the following terms and conditions:

## 1. TERM

a. This lease is granted for a term of *forty (40) years*, beginning October 1, 1995 or the effective date of the Utility Contract, Contract No. DE-AC09-95SR18531, whichever is later.

b. Except for cancellation in accordance herewith as to portions of the Transmission Facilities, the rights granted hereby shall be canceled upon the completion of the Lease Term. SCE&G agrees, upon any such termination (partial or in whole) or upon completion of the Lease Term, to quit and surrender the Facilities or the portion affected thereby and that all title and interest in the facilities shall vest in the DOE free and clear of the encumbrance of this Agreement.

c. During the Lease Term, SCE&G shall have complete control over the Facilities and their operation which shall be operated pursuant to SCE&G's policies, practices and procedures, and all Governmental Requirements applicable to SCE&G. It being understood that SCE&G operations as contemplated hereunder will not subject it to DOE's orders or oversight, except as may be expressly stated herein, or as later negotiated between the parties.

d. Personal property, inventory, parts, and equipment related directly to the operation and maintenance of leased facilities will be made available to SCE&G. Transformers to be included in the lease are described in Exhibit B. Accountable property and installed equipment will be itemized in Exhibit C.

## 2. CONSIDERATION

a. SCE&G shall pay rental in advance to the United States in the amount of \$150,000 annually, payable by a credit on DOE's utility bill in the month that the lease payment is due. After the first year, the lease payment shall be escalated at 3.5% per year. If DOE discontinues purchase of utilities from SCE&G prior to the completion of the lease term, SCE&G shall make payment to the order of the Finance and Accounting Officer, Savannah River Operations Office, P.O. Box A, Aiken S.C. 29802.

b. All rent and other payments due under the terms of this lease must be paid on or before the date they are due in order to avoid the mandatory sanctions imposed by the Debt Collection Act of 1982, (31 U.S.C. Section 3717). This statute requires the imposition of an interest charge for the late payment of debts owed to the United States; an administrative charge to cover the costs of processing and handling delinquent debts; and the assessment of an additional penalty charge on any portion of a debt that is more than 90 days past due. The provisions of the statute will be implemented as follows:



(1) The United States will impose an interest charge, the amount to be determined by law or regulation, on late payment of debts. Interest will accrue from the due date. An administrative charge to cover the cost of processing and handling each payment will also be imposed.

(2) In addition to the charges set forth above, the United States will impose a penalty charge of six percent (6%) per annum on any payment, or portion thereof, more than ninety (90) days past due. The penalty shall accrue from the date of the delinquency and will continue to accrue until the debt is paid in full.

(3) All payments credited will be applied first to any accumulated interest, administrative and penalty charges and then to any unpaid rental or other payment balance. Interest will not accrue on any administrative or late payment penalty charge.

c. Until the SCADA system modifications are complete, not to exceed 18 months, SCE&G shall have access to the SRS dispatcher, via direct telephone line, who will dispatch power per SCE&G instructions.

### 3. NOTICES

Any notice required or permitted to be delivered hereunder shall be in writing, signed by the party giving such notice or its attorney at law, and shall be deposited in the United States mail, postage prepaid, registered or certified mail, return receipt requested, personally delivered or sent by express courier, addressed to the party to whom such notice is sent at the addresses set forth below:

DOE: US Department of Energy  
P.O. Box A  
Aiken, SC 29802

with copies to: US Department of Energy  
Assistant Manager, Engineering and Projects  
P.O. Box A  
Aiken, SC 29802

SCE&G: Mr. Mitchell S. Tibshrary, Jr.  
Vice President  
South Carolina Electric & Gas Co.  
1426 Main Street. 14th Floor  
Columbia, SC 29218

with copies to:

Mr. Belton T. Zeigler  
General Counsel  
South Carolina Electric & Gas Co.  
1426 Main Street, 10th Floor  
Columbia, SC 29218

#### **4. AUTHORIZED REPRESENTATIVES**

Except as otherwise specifically provided, any reference hereinto "the Government's contracting officer", "Manager", shall include their duly authorized representatives. "Manager" means the Manager of the Savannah River Operations Office. Any reference to "SCE&G" shall include any of SCE&G's, subcontractors, assignees, transferees, successors and their duly authorized representatives.

#### **5. APPLICABLE LAWS AND REGULATIONS**

SCE&G shall comply with all Federal, State, county and municipal laws, ordinances and regulations applicable to all leased property as are applicable to SCE&G in the operation of its transmission facilities. SCE&G shall be responsible for obtaining all necessary permits. SCE&G shall be liable for permit excursions and violations of its operating permits from the effective date of this lease and shall be responsible for all fines, penalties and damages resulting from noncompliance with these requirements beginning from the date of execution of this lease.

#### **6. CONDITION OF PROPERTY**

SCE&G acknowledges that it has inspected the property, knows its condition, and understands that the same is leased without any representations or warranties except as set forth in this lease and the contract, without obligation on the part of the United States to make any alterations, repairs, or additions thereto.

#### **7. TRANSFERS AND ASSIGNMENTS**

Without prior written approval of the Manager, SCE&G shall neither transfer nor assign this lease, nor sublet the property or any part thereof, nor grant any interest, privilege or license whatsoever in connection with this lease. Failure to comply with this condition shall constitute a noncompliance for which the lease may be revoked immediately by the Manager. DOE will respond within 60 days to SCE&G written requests under this section. This section shall not apply to transfers, subletting, or subcontracting to companies or entities wholly owned by SCANA Corporation, the parent company of SCE&G.

#### **8. DOE RIGHT TO SERVICE VIA THE PROPERTY**

a. The parties recognize and agree that the substations and Transmission Facilities described in Exhibit A have been constructed to serve the electrical loads of DOE at the Savannah River Site (SRS). This includes the transmission lines that serve SRS and which have

been dedicated to the sole use of SRS under the terms of Contract DE-AC09-89SR18095 between SCE&G and DOE dated November 8, 1989.

b. Through the term of this lease, SCE&G agrees to operate and maintain the transmission facilities to the same standard as SCE&G owned transmission facilities. At the conclusion of contract DE-AC09-95SR18531, the Government agrees to negotiate a maintenance fee for SCE&G's continued maintenance of the transmission facilities. The Transmission Facilities are to be used first to serve the electrical loads of SRS, recognizing that loop flow is part of the use the transmission capacity. In the event that DOE purchases power and energy from an alternate supplier, the entire transfer capacity of these Transmission Facilities shall be dedicated first to meeting SRS loads, and SCE&G shall have the right to use any remaining capacity for its own general use.

c. If SCE&G operates the D-Area Powerhouse or any other power plant on the SRS for the purpose of providing power and energy to the SCE&G grid, and if the Transmission Facilities are inadequate, for any reason except as described below, to meet the operational requirements of SCE&G and serve DOE's electrical loads; SCE&G shall at its own expense provide all necessary expansions and upgrades of the Transmission Facilities to meet the combined requirements of DOE and SCE&G.

d. If, due to new facilities, SRS load grows beyond the capacity of the Transmission Facilities, an additional agreement will be necessary to fulfill DOE needs.

e. In the event DOE obtains power from other sources, it shall pay applicable wheeling rates only over SCE&G's portion of the transmission system.

## **9. DAMAGE AND CONDEMNATION**

a. SCE&G shall pay and have responsibility for all insurance of the Facilities. All insurance policies shall be in such amounts as deemed proper by SCE&G.

b. If any portion of the property is damaged by fire or other casualty before the effective date, DOE shall give notice thereof to SCE&G. If the damage is in excess of \$500,000 or affects the operation of the property, SCE&G may elect not to lease the property as of the effective date, DOE may elect not to lease the property or proceed to repair said damage. The effective date shall be the date the damage is repaired and the affected portion of the property becomes operational. If the damage may be repaired for a sum less than \$500,000, then DOE, at DOE's option shall either repair the damage or shall make funds available for SCE&G to repair said damage and SCE&G shall proceed to so repair the damage, and this Agreement shall be effective as herein provided.

c. If after the effective date of this lease, the Transmission Facilities are destroyed or substantially damaged, SCE&G will restore the system to capacity existing on the effective date, or as otherwise agreed upon by parties.

(2) In the event either party cancels this Agreement as provided in subsection(1) above, insurance proceeds shall be paid to SCE&G and DOE in accordance with their insurable interests.

d. Condemnation.

(1) In the event that the whole of SCE&G's interest in the Facilities shall be condemned or taken in any manner, this Agreement shall forthwith cease and *cancel*.

(2) If only a portion of SCE&G's interest in the Facilities shall be condemned or taken, but in SCE&G's reasonable opinion the taking makes it economically unfeasible for SCE&G to continue to operate the Facilities in the manner immediately prior to the taking, then SCE&G, by giving ninety (90) days written notice to DOE, may *cancel* this Agreement.

(3) In the event of condemnation of SCE&G's interest in the Facilities, or any portion thereof, the provisions hereof shall not affect or limit either DOE's or SCE&G's rights to compensation for any such taking.

## 10. INDEMNITY

(a) SCE&G, by acceptance of this lease, agrees that it shall be liable for environmental liabilities (included but not limited to, corrective action costs, attorneys fees, consultant fees and/or expert fees) which arise during or after the term of the lease from or in connection with the release of hazardous substances in the air, soil, water, groundwater on or under the Leased Property or premises which SCE&G is allowed to use under the Lease, resulting from SCE&G's use or occupancy of the Leased property. SCE&G agrees that it shall also indemnify and hold harmless the Government, DOE, contractors of DOE, and authorized representatives of DOE, from any claims, costs or liabilities associated with the inability of SCE&G to comply with applicable environmental laws.

(b) DOE shall remain liable for any environmental liabilities (including but not limited to, corrective action costs, attorneys fees, consultant and/or expert witness fees) which arise from or in connection with the release of hazardous substances in the air, soil, water, groundwater on or under the Leased Property, or premises which the SCE&G is allowed to use under the Lease, resulting from DOE's prior use or occupancy of the Leased Property.

(c) SCE&G, by acceptance of this lease, acknowledges that during fact finding meetings DOE has made reasonable and good faith efforts to disclose all known environmental issues and problems associated with current environmental compliance status and permits. SCE&G further acknowledges that DOE has also made available any and all information requested related to environmental operations, compliance and permits. DOE makes no claims or warranties concerning current or future permit conditions imposed by the regulatory authorities nor the SCE&G's ability to obtain any environmental permits from regulatory authorities. Notwithstanding any other provisions of this lease, SCE&G shall have no responsibility or liability for hazardous substances, including radioactive contaminants, existing on the Leased Property as

of the commencement of this Lease or thereafter present on the Leased Property as a result of the actions of the Government, DOE or its authorized representatives and their contractors and subcontractors at any tier.

(d) The United States shall not be responsible for damages to property or injuries to persons which may arise from or be incident to the exercise of the privileges herein granted, or for damages to the property of SCE&G, or for damages to the property or injuries to the person of SCE&G's officers, agents, servants or employees or others who may be on the premises at their invitation or the invitation of any one of them, and SCE&G shall hold the United States harmless from any and all such claims not including damages due to the fault or negligence of the United States or its contractors.

(e) SCE&G shall not be responsible for damages to property or injuries to persons which may arise from or be incident to the exercise of the privileges herein granted, or for damages to the property of DOE not leased hereunder, or for damages to the property or injuries to the person of DOE's officers, agents, servants or employees or others who may be on the premises at their invitation of any one of them, and DOE shall hold the SCE&G harmless from any and all such claims not including damages due to the fault or negligence of the SCE&G or its contractors.

(f) These indemnities shall continue so long as SCE&G leases the property and thereafter for the applicable statute of limitations as to any environmental liability.

## **11. RETURN OF PROPERTY**

On or before the expiration date of this lease or its cancellation, SCE&G shall vacate the property, remove the property of SCE&G, and return the facility to DOE substantially in the condition on the effective date, subject to normal wear, tear, and depreciation. If, however, this lease is canceled, SCE&G shall vacate the property, and remove said property as the Manager may designate. In either event, if SCE&G shall fail or neglect to remove said property, then, at the option of the Manager, the property shall either become the property of the United States without compensation therefor, or the Manager may cause the property to be removed and no claim for damages against the United States or its officers or agents shall be created by or made on account of such removal at the conclusion of the term. SCE&G shall be under no obligation to replace or return spare parts and consumable inventory provided under this lease which has been utilized in the normal operation of the leased facilities.

## **12. NON-DISCRIMINATION**

The lessee shall not discriminate against any person or persons or exclude any person or persons from participation in SCE&G's operations, programs or activities conducted on the leased property, because of race, color, religion, sex, age, handicap or national origin.

## **13. EASEMENTS**



a. This lease is subject to all existing easements, or those subsequently granted as well as established access routes for roadways and utilities located, or to be located, on the property, provided that the proposed grant of any new easement or route will be coordinated with SCE&G, and easements will not be granted which will, in the opinion of DOE, interfere with the use of the property by SCE&G.

b. Easement is hereby granted for the operation and maintenance of right of ways for substations and Transmission Facilities described in Exhibit A. SCE&G shall maintain the easements, including vegetation control. The easement shall extend 75 feet either side of the transmission lines.

c. The Government reserves the right to operate and maintain any existing utility distribution lines and pipelines which pass through the right of ways granted by easement.

d. As part of the grant of easement for transmission and substation right of ways, SCE&G will have control over said easements and shall maintain an encroachment permit system accordance with its operating procedures. All entities, including DOE will abide by the established permitting system.

#### **14. CANCELLATION**

a. That the Government may cancel this lease in whole or in part by giving sixty (60) days prior written notice by the Manager to lessee in the event SCE&G violates any of the terms and conditions of this lease and continues and persists therein for sixty (60) days after notice thereof in writing by the Manager. In lieu of cancellation for violations of the terms and conditions of this lease, the Manager may exercise any legal remedy available to the Government and may exercise any remedy available under the provisions of the lease.

b. Notwithstanding any provision to the contrary, in the event environmental liabilities render the operation of the Facilities impractical, either party shall have the option to cancel the leasehold estates and other rights granted hereby as to any portion or component of the Property at any time upon at least twelve (12) months prior written notice to the other party.

c. After the completion of contract DE-AC09-95SR18531, either party shall have the option to cancel this lease in whole or in part by giving at least a twenty-four (24) month notice. Except for the cancellation due to conditions described in 14.a and 14.b. above, if the Government cancels this lease, SCE&G shall be entitled to an equitable adjustment for unrecovered capital investments made in the transmission facilities. Additionally the Government agrees it will provide wheeling service to SCE&G over the transmission facilities under the same pricing provisions as approved by FERC.

#### **15. RIGHT TO ENTRY AND SECURITY AND EMERGENCY MEASURES**

a. SCE&G personnel will be badged for full access to the leased facilities.

b. That during certain conditions requiring additional security within the Savannah River Site, the Manager will have absolute right to control entry of personnel to the property and/or Site provided the exercise of such rights does not interfere with SCE&G's operation of the facilities unless warranted by national security concerns.

c. With regard to emergency evacuation and contingency plans, SCE&G and DOE agree to coordinate said plans and each shall designate a single point of contact.

d. General site security will be maintained by DOE in surrounding areas. DOE shall provide to SCE&G fire, EMS and HAZMAT response on an as needed and as requested basis, reimbursable basis.

e. SCE&G workers will complete General Employee Training which will not exceed 8 hours per person per year. The training will be provided by the Management and Operating (M&O) Contractor, at no cost to SCE&G.

## **16. FAILURE OF GOVERNMENT TO INSIST ON COMPLIANCE**

The failure of the Government to insist, in any one or more instances, upon performance of any of the terms, covenants or conditions of this lease shall not be construed as a waiver or relinquishment of the Government's right to the future performance of any such terms, covenants or conditions and lessee's obligations in respect to such future performance shall continue in full force and effect.

## **17. NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION**

a. SCE&G shall comply with any laws, regulations, conditions, or instructions affecting the activity hereby authorized if and when issued by the Environmental Protection Agency, or any Federal, State, interstate or local governmental agency having jurisdiction to abate or prevent pollution. The disposal of any toxic or hazardous wastes within the property is specifically prohibited. Such regulations, conditions, or instructions in effect or prescribed by said Environmental Protection Agency, or any Federal, State, interstate or local governmental agency are hereby made a condition of this lease. Except in accordance with the permits, SCE&G shall not discharge waste or effluent from the property in such a manner that the discharge will contaminate streams or other bodies of water or otherwise become a public nuisance.

b. SCE&G will use all reasonable means available to protect the environment and natural resources.

c. SCE&G shall cut no timber, conduct no mining operations, remove no sand, gravel, or kindred substances from the ground, commit no waste of any kind, nor in any manner substantially change the contour or condition of the property except for normal right of way and facility maintenance and construction and except as otherwise permitted.

d. Each party agrees to conduct their respective operations in such a manner so as not to materially interfere with the other party.

e. Hazardous wastes generated by SCE&G from the facilities may be temporarily stored on the facilities in accordance with SCE&G's permits. Such hazardous wastes may not, however, be permanently stored or discharged on or into the ground, except as allowed under permits specifically approved by DOE.

f. SCE&G shall not bring any wastes, hazardous or otherwise from offsite for treatment, storage or disposal within the facilities. This includes materials that are generated from other SCE&G facilities.

g. Notwithstanding the foregoing or any provision hereof, DOE shall be responsible for any and all environmental conditions caused by DOE associated with any portions of SRS on EPA's NPL list.

h. DOE shall be responsible for Environmental Liabilities that are (i) associated with asbestos in existence at the time the contract is entered into other than asbestos encountered in normal operation and maintenance of the property and (ii) PCB's contained in the relay houses, substation sites, equipment or inventory.

i. SCE&G shall not remove or disturb, or cause or permit to be removed or disturbed, any historical, archeological, architectural or other cultural artifacts, relics, remains or objects of antiquity. In the event such items are discovered on the property, SCE&G shall immediately notify DOE and protect the site and the material from further disturbance until Manager gives clearance to proceed.

j. SCE&G shall maintain, in a manner satisfactory to the Manager, all soil and water conservation structures that may be in existence upon said property at the beginning of or that may be constructed by SCE&G during the term of this lease, and SCE&G shall take appropriate measures to prevent or control soil erosion within the property. Any soil erosion occurring outside the property resulting from the activities of SCE&G shall be corrected by SCE&G as directed by DOE.

k. SCE&G shall obtain all necessary permits, licenses, certifications and/or authorizations required for construction, occupancy and operations during the term of the lease. SCE&G will obtain all required permits in the name of the SCE&G within sixty days of the commencement of the lease period. SCE&G shall abide by all Federal, state and local laws and regulations applicable to its operations. SCE&G shall ensure that its operations are fully protective of the environment and of human health and safety.

l. All solid and hazardous waste generated by SCE&G will be disposed of offsite in accordance with all applicable Federal and state environmental regulations.

m. As to matters affecting the property leased, each party shall provide to the other party, within 30 days of a spill, copies of all reports of spills of hazardous substances which are required by environmental laws and regulating agencies. For the purposes of this lease, hazardous substances means materials designated as "hazardous substance" pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 USC Section 9601 et seq. SCE&G will immediately notify DOE of its discovery of any previously unidentified contamination or waste.

n. SCE&G shall reclassify one operating and five spare transformers. If the transformers cannot be reclassified or if data provided to SCE&G by DOE concerning transformers is incorrect, SCE&G may proceed with the reclassification or return the transformer(s) to DOE.

o. SCE&G shall be responsible for maintenance and erosion control except for existing erosion areas as shown on aerial photographs dated January 1, 1995.

p. "Environmental Condition" shall mean all matters, issues or conditions known to DOE which have given rise to Environmental Liabilities or may give rise to Environmental Liabilities.

q. "Environmental Liability" or "Environmental Liabilities" shall mean any claims, allegations or causes of action brought or asserted by any person or governmental entity arising from Hazardous Materials that are related to environmental or health issues which shall include but not be limited to: (i) fines, penalties, judgments, awards, settlements, compromises, losses, damages, interest, costs, reasonable fees (including reasonable attorneys' and consultants' fees), expenses and disbursements; (ii) financial responsibilities for (a) cleanup costs, including any removal, remedial or other response actions, and natural resource or property damages, and (b) any other compliance or remedial measures, including costs for additional testing, monitoring, personnel; provided, however, that all such costs or measures are required by law, court order or governmental agency, or are in settlement of a claim, demand, notice, complaint, or lawsuit by a governmental agency or private party; (iii) property damage, including diminution of property values based on a fair market value approach, whether property of DOE, SCE&G or an third party; (iv) any bodily injury, sickness, disease, disability or death to any person, including an employee of DOE, SCE&G or any third party; and (v) loss of revenues, lost production or loss of power supply.

## **18. SAFETY**

Operation of the leased facilities shall be in accordance with all applicable commercial safety standards, State standards and Occupational Safety and Health Administration (OSHA) rules. DOE will not enter SCE&G leased facilities without prior notification unless there is an immediate threat to workers or the public. All facilities will be subject to otherwise normal State and federal inspections.

## **19. DISPUTE RESOLUTION**

(a) DOE and SCE&G will attempt to settle any claim or controversy arising out of this lease through consultation and negotiation in good faith and a spirit of mutual cooperation. The parties agree that prompt negotiation of any dispute will be between executives who have authority to settle the controversy and who are at a higher level of management than the persons with direct responsibility for administration of this lease. Any party may give the other party written notice of any dispute not resolved in the normal course of business and must provide written notification of any demand for mediation.

(b) If these attempts to settle fail, then the dispute will be mediated by a mutually-acceptable mediator. The DOE dispute resolution specialist will assist the parties in the selection of the mediator. The mediation will be conducted in accord with the provisions of the Alternate Dispute Resolution Act. The mediator will be chosen within 30 days after written notice by one of the parties demanding mediation. Neither party to the lease may unreasonably withhold consent to the selection of mediator, and the parties will share the costs of the mediation equally. By mutual agreement, however, DOE and SCE&G may postpone mediation until completion of a specified but limited period of discovery about the dispute. The parties may also agree to replace mediation with some other form of alternative dispute resolution, such as neutral fact-finding or a minitrial.

(c) Any dispute which cannot be resolved by negotiation, mediation or another form of alternative dispute resolution within 6 months of the date of the initial demand for mediation may then be submitted to the courts for resolution. The use of alternative dispute resolution procedures will not be construed under the doctrines of laches, waiver or estoppel to affect adversely the rights of either party to pursue its legal remedies. Nothing in this section will prevent either party from resorting to judicial proceedings if (1) good faith efforts to resolve the dispute under these procedures have been unsuccessful or (2) interim relief from a court is necessary to prevent serious and irreparable injury to a party or to others.

(d) All negotiations pursuant to this section are confidential and shall be treated as compromise and settlement negotiation for purposes of applicable rules of evidence.

(e) Each party is required to continue to perform its obligations under this contract pending final resolution of any dispute arising out of or relating to this contract, unless to do so would be impossible or impracticable under the circumstances.

## **20. TAXES**

Any and all taxes imposed by the State or its political subdivisions upon the property or interest of SCE&G in the property shall be paid promptly by SCE&G. If and to the extent that the property owned by the Government is later made taxable by State or local governments under an Act of Congress, the lease shall be renegotiated.

## **21. COVENANT AGAINST CONTINGENT FEES**

The SCE&G warrants that no person or selling agency has been employed or retained to solicit or secure this lease upon an agreement or understanding for a commission, percentage,

brokerage, or contingent fee, excepting bona fide employees or established commercial or selling agencies maintained by SCE&G for the purpose of securing business. For breach or violation of this warranty, the United States shall have the right to annul this lease without liability or, in its discretion, to require SCE&G to pay, in addition to the lease rental or consideration, the full amount of such commission, percentage, brokerage, or contingent fee.

## **22. OFFICIALS NOT TO BENEFIT**

No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this lease or to any benefits to arise therefrom. However, nothing herein contained shall be construed to extend to any incorporated company if this lease is for the general benefit of such corporation or company.

## **23. MODIFICATIONS**

This lease contains the entire agreement between the parties hereto, and no modification of this agreement, or waiver, or consent hereunder shall be valid unless the same be in writing, signed by the parties to be bound or by a duly authorized representative and this provision shall apply to this condition as well as all other conditions of this lease.

## **24. DISCLAIMER**

This lease is effective only insofar as the rights of the United States in the property are concerned; and SCE&G shall obtain any permit or license which may be required by Federal, state, or local statute in connection with the use of the property. It is understood that the granting of this lease does not preclude the necessity of obtaining a Department of Energy permit for activities which involve the discharge of dredge or fill material or the placement of fixed structures in the waters of the United States, pursuant to the provisions of Section 10 of the Rivers and Harbors Act of 3 March 1899 (33 USC 403), and Section 404 of the Clean Waters Act (33 USC 1344).

IN WITNESS WHEREOF I have hereunto set my hand by authority of the Savannah River Operations Office Manager this 8 day of August, 1995

James P. Finni

Witness:

Harry E. Ouber

THIS LEASE is also executed by SCE&G this 8 day of August, 1995.

SIGNATURE:

[Signature]

TITLE:

V.P. Plant Delivery

Witness:

Lewis R. [Signature]

**ATTACHMENT J.02**

**Rate 23 (13 Pages Inclusive of Cover Page)**



**Rate 23**  
**13 Pages Inclusive of Cover Page**

Rate 23 is provided on basis of 10,000 kW Contract Demand. If total peak demand exceeds 50,000 kW, the Rate 23 Contract Demand increases to 50% of the highest Rate 23 peak demand occurring during the life of this contract.

Rate 23 includes the following pages:

Rate 23	(1 Page)
Standard Conditions	(2 Pages)
Adjustment for Fuel Costs	(1 Page)
General Terms and Conditions	(8 Pages)

## RATE 23

## INDUSTRIAL POWER SERVICE

## AVAILABILITY

This rate is available to any customer classified in the major industrial group of manufacturing with 20-39 as the first two digits of the Standard Industrial Classification using the Company's standard service for power and light requirements and having a contract demand of 1,000 KW or over. It is not available for resale service.

## CHARACTER OF SERVICE

Alternating Current, 60 hertz, three phase, metering at the delivery voltage which shall be standard to the Company's operation.

## RATE PER MONTH

## Demand Charge:

First 1,000 KW of Billing Demand	\$ 12,710.00
Excess over 1,000 KW of Billing Demand @	\$ 11.51 per KW.

The billing demand (to the nearest whole KW) shall be the greatest of: (1) the maximum integrated fifteen minute demand measured (which may be on a rolling time interval) during the current month; or (2) eighty percent (80%) of the highest demand occurring during the billing months of June through September in the eleven preceding months; or (3) sixty (60%) of the highest demand occurring during the billing months of October through May in the eleven preceding months; or (4) the contract demand; or (5) 1,000 KW.

The customer shall maintain a power factor of as near unity as practicable. If the power factor of the customer's installation falls below 85%, the Company will adjust the billing demand to a basis of 85% power factor.

## Plus Energy Charge:

All Kwhrs. @	\$ 0.03349 per Kwhr.
--------------	----------------------

## DISCOUNT

A discount of \$0.60 per KW of billing demand will be allowed when the service is supplied at a delivery voltage of 46,000 volts or higher.

## MINIMUM CHARGE

The monthly minimum charge is the demand as determined above. The Company may allow a buildup period not to exceed six months for new and expanding accounts during which time the contract demand and/or the minimum demand specified in the rate schedule may be waived. The Company shall not commit itself to a buildup period exceeding six months without prior approval of the Commission for the specific account involved.

## ADJUSTMENT FOR FUEL COSTS

Fuel cost of \$0.02516 per Kwhr. are included in the energy charge and are subject to adjustment by order of the Public Service Commission of South Carolina.

## STORM DAMAGE COMPONENT

The energy charges above include a storm damage component of \$.00008 per Kwhr. for accumulation of a storm damage reserve.

## SALES AND FRANCHISE TAX

To the above will be added any applicable sales tax, franchise fee or business license tax which may be assessed by any state or local governmental body.

## PAYMENT TERMS

All bills are net and payable when rendered.

## SPECIAL PROVISIONS

The Company will furnish service in accordance with its standard specifications. Non-standard service will be furnished only when the customer pays the difference in costs between non-standard service and standard service or pays to the Company its normal monthly facility charge based on such difference in costs.

## TERM OF CONTRACT

The contract terms will depend on the conditions of service. No contract shall be written for a period less than five (5) years. A separate contract shall be written for each meter at each location.

## GENERAL TERMS AND CONDITIONS

The Company's General Terms and Conditions are incorporated by reference and a part of this rate schedule.

Effective for bills rendered on and after the first billing cycle of May 2006

## STANDARD CONDITIONS

**Supply and Use:** Company agrees to sell and Customer agrees to buy from Company all purchased electric energy, capacity, related transmission services and any related distribution services required by Customer for use on its premises covered hereunder. Resale by Customer of energy, capacity, related transmission or related distribution services is not permitted.

**Creditworthiness:** Company, in order to satisfy itself of the ability of the Customer to meet its obligations under the contract may conduct periodic reasonable credit reviews in accordance with standard commercial practices. Customer agrees to assist in these reviews by providing financial information and at the request of the Company, will maintain such credit support or surety including but not limited to, an unconditional and irrevocable letter of credit to provide adequate security for protection against the risk of nonpayment.

**Service Application, Deposit and Release:** Prior to receiving service, Customer or its Agent must: (a) Ensure that an application for service is made to Company, either in person at one of Company's commercial offices or through the Company representative coordinating the service arrangements; (b) Post a service deposit with Company (as determined by Company in accordance with S.C. Public Service Commission regulations), unless waived by Company in favor of other satisfactory assurance for payment of bills; and (c) Ensure that any inspections required by governmental authorities having jurisdiction are completed and notice thereof is given to the Company.

**Commencement of New Service:** Company and Customer shall make every reasonable effort to have their respective facilities ready for service by the **Service Date** stated on Page 1. If conditions should change, the affected party shall immediately notify the other. (*Bold Print terms reference the corresponding completed blanks on Page 1.*)

**Assignment:** Neither Party shall assign this Agreement or its rights hereunder without the prior written consent of the other Party, which consent may be withheld in the exercise of its sole discretion; provided, however, either Party may, without the consent of the other Party (and without relieving itself from liability hereunder), (i) transfer, sell, pledge, encumber or assign this Agreement or the accounts, revenues or proceeds hereof in connection with any financing or other financial arrangements, (ii) transfer or assign this Agreement to an affiliate of such Party which affiliate's creditworthiness is equal to or higher than that of such Party, or (iii) transfer or assign this Agreement to any person or entity succeeding to all or substantially all of the assets whose creditworthiness is equal to or higher than that of such Party; provided, however, that in each such case, any such assignee shall agree in writing to be bound by the terms and conditions hereof and so long as the transferring Party delivers such tax and enforceability assurance as the non-transferring Party may reasonably request.

**Term:** This Contract shall commence on the **Effective Date** (the date on which this contract is fully executed) and shall continue for the full **Initial Term**, unless an early termination is mutually agreed upon. Thereafter, it will extend automatically until terminated by either party giving the other a written **Minimum Termination Notice**. Billing for service rendered hereunder shall commence on the **Service Date** (the date customer contracts for service under the tariff applicable to this contract) or the date that service is first made available, whichever is later, or in accordance with terms stated under **Special Provisions**.

**Termination:** Should Customer terminate this contract and disconnect service for any reason, either during the initial term or any extension thereof unless waived as provided for herein, Customer shall pay to the Company a facilities termination charge equal to (a) the total installed cost of facilities dedicated solely for serving Customer, (b) less any Customer contribution to construction, (c) less accumulated depreciation of the facilities funded by Company, (d) less salvage value of all facilities dedicated solely for serving Customer, (e) plus the cost of removal (including any associated environmental investigation/remediation costs related to a spill or release of hazardous substances caused by Customer or those paid or incurred by the Company which were not the result of negligence on the part of the Company), all as determined by Company in accordance with its standard accounting practices; provided, however, that the termination charge shall not be less than zero. Customers who terminate prior to the expiration of the initial term or any extension thereof may also be required to pay to Company a demand termination charge equal to 90% of the maximum demand set during the term times the demand rate in effect at the time of termination times the number of months remaining in the contract period. Company may waive a portion

Approval Initials \_\_\_\_\_

For Customer

For Company

or all of the termination charges where (1) a successor contract is executed prior to termination of this Contract, or (2) Customer is able to furnish Company with satisfactory evidence that a successor customer will occupy the premises within a reasonable time and contract for substantially the same service facilities. If deregulation should occur during the term of this contract, the above demand termination charge, after deregulation, will be determined by appropriate governing authority(ies) rules at that time. The termination charges above shall not preclude additional termination charges approved by the SCPSC or imposed by law.

**Impaired Service:** Customer shall be responsible for installing and maintaining on its system such protective equipment as necessary for protecting its equipment from single phase conditions, momentary interruptions or voltage fluctuations arising from conditions on its system or from Company's supply lines. Customer shall not operate its equipment of such nature and in such manner as to impose voltage flicker, surges, or harmonics on Company's system that adversely affects the Company's system or its service to other Customers. Adverse conditions verifiable as of Customer origin shall be corrected promptly by Customer or upon Notice Company may discontinue service until the conditions are corrected. Customer agrees to keep Company equipment unencumbered and accessible at all times.

**Load Increase:** If Customer contemplates a load increase which may exceed the Maximum Capacity stated on Page 1, Customer shall give Company written notice of planned increase, with sufficient lead time for Company to enlarge its facilities. In such cases this Contract may be amended by mutual consent of the parties to reflect any changes in the service characteristics, applicable charges or conditions of service.

**Facility Relocation:** Should Customer request Company to relocate any of its facilities, or take any action which will require Company to relocate its facilities, Customer shall reimburse Company for the costs incurred.

**Hold Harmless:** Company and Customer do respectively assume full responsibility for the maintenance and operation of the facilities owned and/or operated by each, and each shall indemnify and except as hereafter limited, shall hold the other harmless from any loss resulting from bodily injury (including death) or damage of property arising directly or indirectly out of any negligent or willful act or failure to act on the indemnitor's part in the installation, maintenance, operation, replacement and/or removal of the facilities owned and operated by each. Neither party shall be liable to the other in any event, whether in contract, tort or otherwise, for any loss of revenue, profits, use of production, costs of capital or purchased or replacement power, interest, business interruption, claims of customers or any other incidental, indirect or consequential damages of any nature whatsoever. Customer(s) acknowledge(s) the presence of overhead and/or underground power lines and understands that contact with them could cause serious injury or death.

**South Carolina Public Service Commission:** This Contract, the Billing Rate referenced on Page 1, and all services rendered hereunder, are subject to the Company's "General Terms and Conditions" as approved by the Commission, and to the "Rules and Regulations" of the Commission, as the foregoing now exist or may be amended in the manner prescribed by law. The billing Rate and General Terms and Conditions are attached and made a part hereof; Rules and Regulations are made a part by reference and are available upon request. This contract is specifically intended to survive deregulation or retail access.

Approval Initials \_\_\_\_\_  
For Customer For Company



## SOUTH CAROLINA ELECTRIC &amp; GAS COMPANY

## ADJUSTMENT FOR FUEL COSTS

## APPLICABILITY

This adjustment is applicable to and is part of the Utility's South Carolina retail electric rate schedules.

The Public Service Commission has determined that the costs of fuel in an amount to the nearest one-thousandth of a cent, as determined by the following formula, will be included in the base rates to the extent determined reasonable and proper by the Commission.

$$F = \frac{E}{S} + \frac{G}{S1}$$

## Where:

F = Fuel cost per kilowatt hour included in base rate, rounded to the nearest one-thousandth of a cent.

E = Total projected system fuel costs:

- (A) Fuel consumed in the Utility's own plants and the Utility's share of fuel consumed in jointly owned or leased plants. The cost of fossil fuel shall include no items other than those listed in Account 151 of the Commission's Uniform System of Accounts for Public Utilities and Licensees plus SO2 emission allowances. The cost of nuclear fuel shall be that as shown in Account 518 excluding rental payments on leased nuclear fuel and except that, if Account 518 also contains any expense for fossil fuel which has already been included in the cost of fossil fuel, it shall be deducted from this account.

## PLUS

- (B) Fuel costs related to purchased power and applicable SO2 emission allowances such as those incurred in unit power and limited term power purchases where the fossil fuel costs and applicable SO2 emission allowances associated with energy purchased are identifiable and are identified in the billing statement. Also the cost of 'firm generation capacity purchases,' which are defined as purchases made to cure a capacity deficiency or to maintain adequate reserve levels; costs of firm generation capacity purchases include the total delivered costs of firm generation capacity purchased and shall exclude generation capacity reservation charges, generation capacity option charges and any other capacity charges.

## PLUS

- (C) Fuel costs related to purchased power and applicable SO2 emission allowances such as short term, economy and other where the energy is purchased on an economic dispatch basis, including the total delivered cost of economy purchases of electric power including, but not limited to, transmission charges and defined as purchases made to displace higher cost generation at a cost which is less than the purchasing Utility's avoided variable costs for the generation of an equivalent quantity of electric power.

Energy receipts that do not involve money payments such as diversity energy and payback of storage energy are not defined as purchased or interchange power relative to this fuel calculation.

## MINUS

- (D) The cost of fossil fuel and applicable SO2 emission allowances recovered through intersystem sales including the fuel costs and applicable SO2 emission allowances related to economy energy sales and other energy sold on an economic dispatch basis.

Energy deliveries that do not involve billing transactions such as diversity energy and payback of storage energy are not defined as sales relative to this fuel calculation.

S = Projected system kilowatt hour sales excluding any intersystem sales.

G = Cumulative difference between jurisdictional fuel revenues billed and fuel expenses at the end of the month preceding the projected period utilized in E and S.

S1 = Projected jurisdictional kilowatt hour sales for the period covered by the fuel costs included in E.

The appropriate revenue related tax factor is to be included in these calculations.

Provided that the terms of S.C. Code Ann. Sec. 58-27-865 shall govern this calculation and in case of any conflict,

this statute shall control over the above.

The fuel cost as determined by the Public Service Commission of South Carolina Order No. \_\_\_\_\_ for the period May 2006 through April 2007 is 2.516 cents per kilowatt hour.

**GENERAL TERMS AND CONDITIONS****I. GENERAL****A. FOREWORD**

1. In contemplation of the mutual protection of both South Carolina Electric & Gas Company and its Customers and for the purpose of rendering an impartial and more satisfactory service, the General Terms and Conditions of the Company are hereby set forth and filed with the Public Service Commission of South Carolina, which has jurisdiction over public utilities, so as to read as hereinafter set forth; the same being incorporated by reference in each contract or agreement for service.
2. These Terms and Conditions are supplementary to the Rules and Regulations issued by the Public Service Commission of South Carolina covering the operation of electric utilities in the State of South Carolina.
3. These Terms and Conditions may be supplemented for specific Customers by contract.
4. South Carolina Electric & Gas Company is referred to herein as "Company", and the user or prospective user is referred to as "Customer". The Public Service Commission of South Carolina is referred to as "Commission".

**B. Application**

Provisions of these Terms and Conditions apply to all persons, partnerships, corporations or others designated as Customers who are lawfully receiving electric service from Company under the prescribed Rate Schedules or contracts filed with the Commission. Receipt of service shall constitute a contract between Customers and Company. No contract may be transferred without the written consent of the Company.

**C. Term of Service**

The rates prescribed by the Commission are based upon the supply of service to each individual Customer for a period of not less than one year, except as otherwise specifically provided under the terms of the particular Rate Schedule or contract covering such service.

**D. Terms and Conditions**

The Terms and Conditions contained herein are a part of every contract for service entered into by the Company and govern all classes of service where applicable unless specifically modified as a provision or provisions contained in a particular Rate Schedule or contract.

**E. Selection of Appropriate Rate**

Where two or more Rate Schedules are available, the Company will attempt to assist the Customer to a reasonable extent in determining which Schedule to select. The Company may allow a buildup period not to exceed six months for new and expanding accounts during which time the contract demand and/or minimum demand specified in the Rate Schedule may be waived. It is the responsibility of the Customer to select the Rate and the Company will not assume responsibility for the choice.

**F. Temporary Service**

Temporary or seasonal service will be furnished under the appropriate General Service Rate Schedule to any Customer. Temporary service shall include all construction services having a life expectancy of one year or less. Payment is required in advance for the full cost of erecting and removing all lines, transformers, and other service facilities necessary for the supply of such service.

**G. Statements by Agents**

No representative of the Company has authority to modify any Rule of the Commission, provisions of Rate Schedules or to bind the Company by any promise or representation contrary thereto.

**II. DEFINITIONS**

Except where the context otherwise indicates another or different meaning or intent, the following terms are intended and used and shall be construed to have meanings as follows:

- A. "Day" shall mean period of twenty-four (24) consecutive hours beginning at 12 o'clock Midnight Eastern Time or at such other hours as may be designated.
- B. "Month" or "Billing Month" shall mean the period between any two (2) regular readings of Company's meters which shall not be less than twenty-eight (28) days or more than thirty-four (34) days.
- C. "Year", unless otherwise designated, shall mean a period of 365 days commencing with the day of first delivery of electricity hereunder, and each 365 days thereafter except that in a year having a date of February 29, such year shall consist of 366 days.
- D. "Premises" shall mean home, apartment, dwelling unit, shop, factory, business location (including signs and water and sewage pumps), church, or other building or structure which shelters the Customer for his individual or collective occupancy where all services may be taken from a single connection.
- E. "Service Point" or "Point of Interconnection" shall mean the point at which Company's and Customer's conductors are connected.
- F. "Standard Service" means a single service per premises from one electrical source and from existing overhead facilities.

**III. CONDITIONS OF SERVICE****A. GENERAL**

The Customer shall consult with and furnish to the Company such information as the Company may require to determine the availability of the Company's Service at a particular location before proceeding with plans for any new or additional electric loads. No new or additional electric loads will be served if it is determined that such service will jeopardize service to existing Customers. Failure to give notice of additions or changes in load or location shall render the Customer liable for any damage to the meters or other apparatus and equipment of the Company, the Customer and/or other Customers caused by the additional load or changed installation.

**B. Character of Service**

Electric energy supplied by the Company shall be standard alternating current at a frequency of approximately 60 hertz and shall be delivered only at voltages and phases as specified by the Company.

**C. Rights-of-Way**

The Company shall not be required to extend its distribution and service facilities, for the purpose of rendering electric service to the Customer until satisfactory rights-of-way, easements or permits have been obtained from governmental agencies and property owners, at the Customer's expense to permit the installation, operation, and maintenance of the Company's lines and facilities. The Customer, in requesting or accepting service, thereby grants the Company without charge necessary rights-of-way and trimming and clearing privileges for its facilities along, across, and under property controlled by the Customer to the extent that such right-of-way and trimming and clearing privileges for its facilities along, across, and under property controlled by the Customer to the extent that such rights-of-way and trimmings are required or necessary to enable Company to supply service to the Customer and the Customer also grants the Company the right to continue to extend the Company's facilities on, across, or under with necessary trimming and clearing rights to serve other Customers. Customer shall maintain such right-of-way so as to grant Company continued access to its facilities by Company's vehicles and other power-operated equipment.



**D. Customer's Installation**

Customer's service installations shall be made in accordance with these General Terms and Conditions, Specifications for Service and Meter Installations, existing provisions of the National Electrical Code, the Regulations of the National Board of Fire Underwriters and such other regulations as may be promulgated from time to time by any municipal bureau or other governmental agency having jurisdiction over the Customer's installation or premises.

Customer's wiring and equipment must be installed and maintained in accordance with the requirements of the local, municipal, state, and federal authorities, and the Customer shall keep in good and safe repair and condition such wiring and equipment on Customer's side of the service point exclusive of Company's metering facilities and equipment.

Customer's service entrance requirements shall be stipulated in the Electric Service and Meter Installations Manual, and other manuals published by the Company and approved by the Commission.

Before wiring a premise or purchasing equipment, the Customers shall give the Company notice and shall ascertain from the Company the character of service available at such premises. The Company may specify the voltage and phase of the electricity to be furnished, the location of the meter, and the point where the service connection shall be made.

Customer's service entrance requirements shall be stipulated in the Electric Service and Meter Installations Manual, and other manuals published by the company and approved by the Commission.

It is the standard practice of the Company to provide all requirements of service for the Customer through a single metering point at each premises.

Where more than one service is required by the Customer, and requested services meet all applicable code requirements the Company will provide such additional service upon payment by the Customer to the Company of the charges above the first service. Each service point shall be a separate account. No new service will be connected without proper release from the inspecting authority having jurisdiction.

Customer shall furnish at his sole expense any special facilities necessary to meet his particular requirements for service at other than the standard conditions specified under the provision of the applicable Rate Schedule. The Customer shall also provide protection for Customer's equipment from conditions beyond the Company's control including, but not limited to, protective devices for single-phase conditions. The Customer shall also provide a suitable place, foundation and housing where, in the judgment of the Company, it is deemed necessary to install transformers, regulators, control or protective equipment on the Customer's premises.

All equipment supplied by the Company shall remain its exclusive property and Company shall have the right to remove the same from the premises of Customer at any time after termination of service for any cause.

Should Customer elect, for any reason, to request relocation of Company's facilities or take any action, which requires such relocation, customer may be required to reimburse the Company for all costs as a result of such relocation. Company may relocate existing service and facilities, at Company's expense, when necessary for system design or operation and maintenance requirements.

The Customer shall be responsible for the protection and safekeeping of the equipment and facilities of the Company while on the Customer's premises and shall not permit access thereto except by duly authorized representatives of the Company. Customer assumes responsibility and liability for damages and injuries caused by failure or malfunctions of Customer's equipment.

**E. Special Equipment**

Where a separate transformer or other additional electrical utility standard equipment or capacity is to be used to eliminate fluctuations or other effects detrimental to the quality of service to other Customers due to welding or X-ray equipment, etc., the Company may make a reasonable charge for the transformer equipment and line capacity required. In lieu of the above, the Company may require the Customer to either discontinue the operation of the equipment causing the disturbance or install the necessary motor generator set or other apparatus to eliminate the disturbance detrimental to the service of other Customers.



**F. Safe Access to Customer's Premises**

The duly authorized representatives of the Company shall be permitted at any and all reasonable times to inspect, operate and maintain the Company's and the Customer's facilities and equipment for any and all purposes connected with the delivery of service, the determination of connected load or other data to be used for billing purposes, the determination of Customer load requirements or the exercise of any and all rights under the agreement.

**G. Company's Installation and Service**

Where the Customer's requested service to be supplied by the Company does not produce revenue sufficient to support the expenditure required, the Company will determine in each case the amount of payment and form thereof that shall be required of the Customer.

Electricity supplied by the Company shall not be electrically connected with any other source of electricity without reasonable written notice to the Company and agreement by the parties of such measures or conditions, if any, as may be required for reliability of both systems.

Service supplied by the Company shall not be resold or assigned by the Company to others on a metered or unmetered basis; nor shall the Customer's wiring be connected to adjacent or other premises not owned or operated by the Customer without specific written approval of the Company and of the Commission.

The Company's service facilities will be installed above ground on poles or fixtures; however, underground facilities will be provided when requested in accordance with the Company's appropriate underground service publications.

**In Areas of Overhead Distribution:** The Company will install and maintain an overhead service drop for loads up to 500 KVA from its overhead distribution system to the Customer's service connection provided the transformer can be placed in the proximity of the service point. For residential Customers, if specifically requested by the Customer, the Company will install and maintain a single phase underground service to any residence (terrain permitting) provided the Customer pays in advance the difference in cost between a new overhead service and the new underground service of equal current carrying capacity.

**In Areas of Underground Distribution:** The Company will install and maintain the necessary underground facilities to provide a point of service at the Customer's property line or at another location designated by the Company. For residential Customers, the Company will install and maintain a single-phase service to the service point as designated by Company, up to a maximum length of 125 feet. If the requested residential service to Company's designated service point exceeds 125 feet in length, the Customer will pay in advance the total additional cost for that portion in excess of 125 feet in length. For underground service other than residential, the Customer shall furnish, install and maintain necessary service conductors and conduit from their service equipment to the Company's designated point of service regardless of meter location.

**H. Term of Contract**

The Term of Contract for service shall be for a term of one year with automatic renewal except as otherwise provided in the applicable Rate Schedule. Where a large or special investment in service facilities is necessary, or other special conditions exist, contracts may be written for (1) a longer term than specified in the Rate Schedule, or (2) a special guarantee of revenue, or (3) a facility charge, or (4) all of these conditions as may be required to safeguard the Company's investment.

**I. Continuance of Service and Liability Therefor**

The Company does not guarantee continuous service. Company shall use reasonable diligence at all times to provide uninterrupted service but shall not be liable for any loss, cost damage or expense to any Customer occasioned by any failure to supply electricity according to the terms of the contract or by any interruption or reversal of the supply of electricity, if such failure, interruption or reversal is due to storm, lightning, fire, flood, drought, strike, or any cause beyond the control of the Company, or any cause except willful default or neglect on its part.

The Company reserves the right to curtail or temporarily interrupt Customer's service when it shall become necessary in order that repairs, replacement or changes may be made in the Company's facilities and equipment, either on or off Customer's premises.

The Company may impose reasonable restrictions on the use of service during peak periods of excessive demand or other difficulty, which jeopardizes the supply of service to any group of Customers.

The Company may waive any minimum charge or guarantee payments for service upon written notice from and request of Customer during such time as the Customer's plant may be completely closed down as a result of strike, lockout, government order, fire, flood, or other acts of God: provided however, that Customer specifically agrees that the term of the service contract shall be extended for a period equal to the period of enforced shutdown. (See Section VII, Force Majeure).

**J. Denial or Discontinuance of Service**

The Company may refuse or discontinue service and remove the property of the Company without liability to the Customer, or tenants or occupants of the premises served, for any loss, cost, damage or expense occasioned by such refusal, discontinuance or removal, including but not limited to, any of the following reasons:

1. In the event of a condition determined by the Company to be hazardous or dangerous.
2. In the event Customer's equipment is used in such a manner as to adversely affect the Company's service to others.
3. In the event of unauthorized or fraudulent use of Company's service.
4. Unauthorized adjustments or tampering with Company's equipment.
5. Customer's failure to fulfill his contractual obligations.
6. For failure of the Customer to permit the Company reasonable access to its equipment.
7. For nonpayment of bill for service rendered provided that the Company has made reasonable efforts to effect collection.
8. For failure of the Customer to provide the Company with a deposit.
9. For failure of the Customer to furnish permits, certificates, and rights-of-way, as necessary in obtaining service, or in the event such permissions are withdrawn or terminated.
10. The Company shall not furnish its service to any applicant who at the time of such application is indebted to any member of his household is indebted under an undisputed bill for service, previously furnished such applicant or furnished any other member of the applicant's household or business.
11. The Company may terminate a Customer's service should the Customer be in arrears on an account for service at another premises.
12. For the reason that the Customer's use of the utility service conflicts with, or violates orders, ordinances or laws of the State or any subdivision thereof, or of the Commission.

- 13. For failure of the Customer to comply with reasonable restrictions on the use of service. The Company may discontinue service without notice for reasons (1), (2), and (3) above. For the remainder of the reasons, the Customer shall be allowed a reasonable time in which to correct any discrepancy.

Failure of the Company to terminate or suspend service at any time after the occurrence of grounds therefore or to resort to any other legal remedy or to exercise any one or more of such alternative remedies, shall not waive or in any manner affect the Company's right to later resort to any or more of such rights or remedies on account of any such ground then existing or which may subsequently occur.

**K. Reconnection Charge**

Where the Company has discontinued service for reasons listed in Section III-J, the Customer is subject to a reconnection charge of \$25.00 in addition to any other charges due and payable to the Company. In cases where both electric and gas service are reconnected at the same time on the same premises for the same Customer, only one charge will be made.

Where the Customer interrupts or terminates service and subsequently requests reconnection of service at the same premises the reconnection charge will apply.

**IV. BILLING AND PAYMENT TERMS**

**A. General**

The rates specified in the various service classifications are stated on a monthly basis. Unless extenuating circumstances prevent, the Company will read meters at regular monthly intervals and render bills accordingly. If for any reason a meter is not read, the Company may prepare an estimated bill based on the Customer's average use billed for the preceding 60 days or from other information as may be available. All such bills are to be paid in accordance with the standard payment terms, and are subject to adjustment on the basis of actual use of service as computed from the next reading taken by the Company's representative or for any circumstances known to have affected the quantity of service used. No more than one estimated bill shall be rendered within a 60-day period unless otherwise agreed to by the Customer or allowed by the Commission.

All billing errors shall be adjusted in accordance with the Commission's Rules and Regulations.

**B. Customer's Obligations**

The Customer is responsible for electricity furnished and for all charges under the agreement until the end of term thereof.

All bills shall be due and payable when rendered. Notice and collection of unpaid bills will be in accordance with the current Rules and Regulations of the Commission.

No Claim or demand which the Customer may have against the Company shall be set off or counterclaimed against the payment of any sum of money due the Company by the Customer for services rendered. All such sums shall be paid in accordance with the agreement regardless of any claim or demand.

Should service be terminated, the Customer's deposit shall be applied to reduce or liquidate the account. Service may be restored upon payment of the account, in full, plus the late payment charge set forth below, the reconnection charge set forth above and a deposit as set forth below.

**C. Late Payment Charge**

A late payment charge of one and one half per cent (1 ½%) will be added to any balance remaining twenty-five (25) days after the billing date.

**D. Deposit**

A maximum deposit in an amount equal to an estimated two (2) months (60 days) bill for a new Customer or in an amount equal to the total actual bills of the highest two (2) consecutive months based on the experience of the preceding twelve (12) months or a portion of the year if on a seasonal basis may be required from the Customer as security for payment of the account before service is rendered or continued if any of the following conditions exist:

- (1) The Customer's past payment record to the Company shows delinquent payment practice;
- (2) A new Customer cannot furnish either a letter of good credit from a reliable source or any acceptable cosigner or guarantor on the Company's system to guarantee payment;
- (3) A Customer has no deposit and presently is delinquent in payments;
- (4) A Customer has had his service terminated for non-payment or fraudulent use. All deposits may be subject to review based on the actual experience of the Customer. The amount of the deposit may be adjusted upward or downward to reflect the actual billing experience and payment habits of the Customer.

**E. Service Charge**

The Company may make reasonable charges for work performed on or services rendered:

- 1) Upon Customer's request at the Customer's premises when, at the time the request is made, service and equipment provided by the Company is in good working condition and in compliance with these General Terms and Conditions, Specifications for Service and Meter Installations, existing provisions of the National Electric Code, the Regulations of the National Board of Fire Underwriters and such other regulations as may be promulgated from time to time by any municipal bureau or other governmental agency having jurisdiction over the Customer's installation or premises;
- 2) To repair, replace, remove or gain access to Company's facilities or equipment where such repair, replacement or removal is made necessary by the willful action(s) of the Customer, members of the Customer's household or invitees of the Customer; or
- 3) To repair, replace, remove or gain access to Company's facilities or equipment where such repair, replacement or removal is made necessary by the negligent failure of the Customer to take timely action to correct or to notify the Company or other responsible party to correct conditions which led to the needed repair, replacement or removal, except that such charges shall be apportioned between the Customer and the Company to the extent that the Customer shall only bear that part of the costs which reflect the costs added by the Customer's negligence. Such charges cannot be assessed where the damage is caused by an Act of God except to the extent that the Customer failed timely to mitigate the damages. Such charges may include labor, material and transportation.

**V. COMPANY'S LIABILITY****A. General**

The Company shall not be in any way responsible or liable for damages to or injuries sustained by the Customer or others, or by the equipment of the Customer or others by reason of the condition or character of Customer's wiring and equipment, or the wiring and equipment of others on the Customer's premises. The Company will not be responsible for the use, care or handling of electricity delivered to the Customer after it passes the service point. The Customer assumes responsibility and liability for damages and injuries caused by failures or malfunctions of Customer's equipment.

**VI. MEASUREMENT OF SERVICE****A. Meter Testing on Request of Customer**

The Customer may, at any time, upon reasonable notice, make written request of the Company to test the accuracy of the meter or meters in use for his service. No deposit or payments shall be required from the Customer for such meter test if said meter has been in service at least one year without testing at Company's expense; otherwise the Customer shall deposit the estimated cost of the test; said deposit shall not exceed \$15.00 without the approval of the Commission. The amount so deposited with Company shall be refunded or credited to the Customer, as a part of the settlement of the disputed account if the meter is found, when tested to register more than 2% fast or slow; otherwise the deposit shall be retained by the Company.

**B. Adjustments for Inaccurate Meters**

Where it is determined that the Company's meter is inaccurate or defective by more than 2% error in registration, bills shall be adjusted in accordance with the Commission Rules and Regulations.

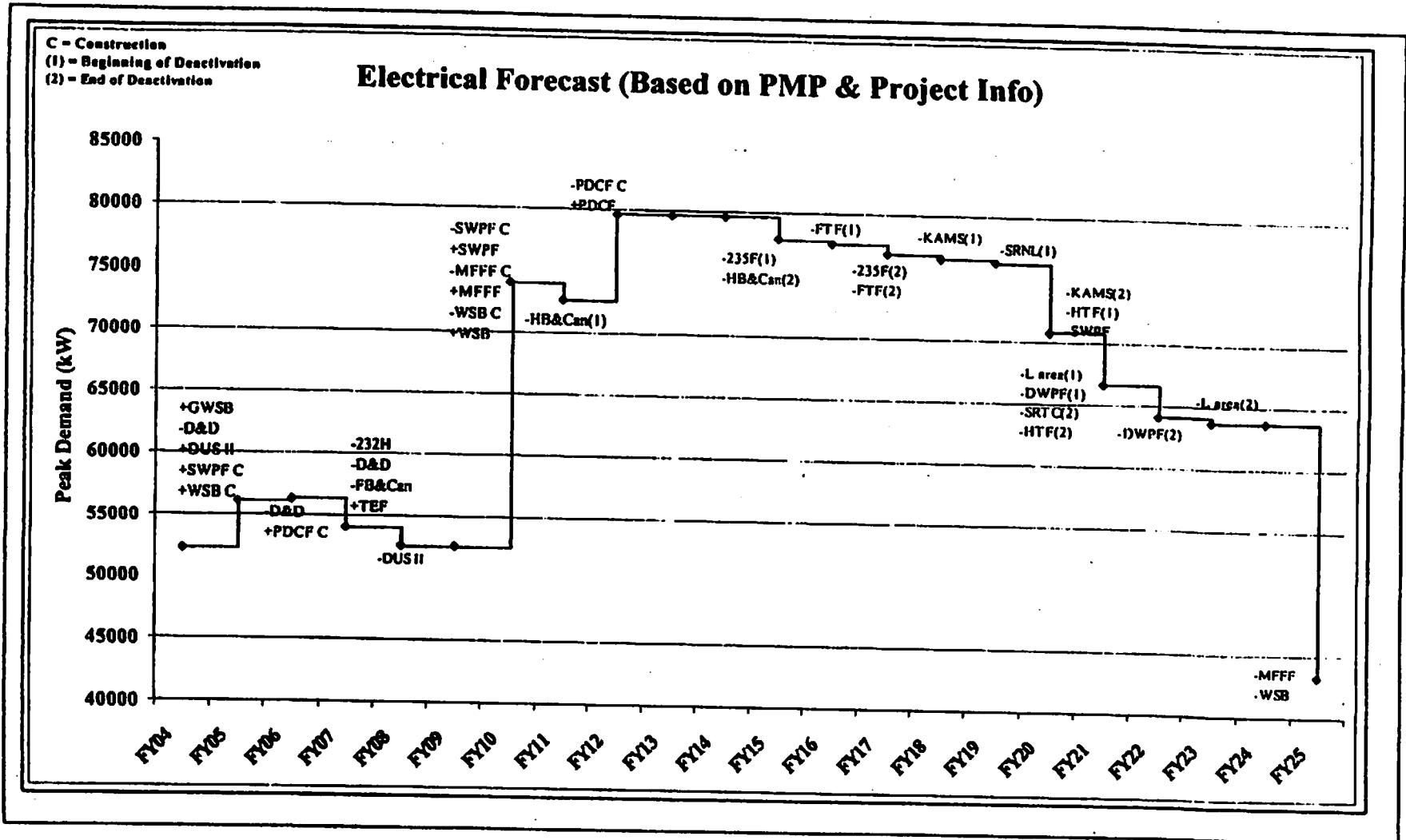
**VII. FORCE MAJEURE**

**A. General**

In the event Company is unable, wholly or in part, by reason of Force Majeure to carry out its obligations to provide service under its Rate Schedules or Contracts, the obligations of Company, so far as they are affected by such Force Majeure, shall be suspended during the continuance of any inability so caused but for no longer period and such cause shall, as far as possible, be remedied with all reasonable dispatch.

The term "Force Majeure" as employed herein shall include, but not be limited to acts of God, strikes, lockouts, or other industrial disturbances, acts of the public enemy, wars, blockades, insurrections, riots, epidemics, landslides, lightning, earthquakes, fires, extreme weather conditions, storms, floods, washouts, arrest and restraints of governments and people, civil disturbances, explosions, breakage or accident to machinery or lines, the maintaining or repairing or alteration of machinery, equipment, structures or lines (which maintaining, repairing or alteration shall, however, be carried out in such manner as to cause the smallest practicable curtailments or interruption of deliveries of electricity), freezing of lines, partial or complete curtailment of deliveries under Company's electric purchase contracts, inability to obtain rights-of-way or permits or materials, equipment or supplies, any of the above, which shall, by the exercise of due diligence and care such party is unable to prevent or overcome, and any cause other than those enumerated herein (whether of the kind enumerated herein or otherwise) not within the control of the person claiming suspension and which by the exercise of due diligence such party is unable to prevent or overcome. It is understood and agreed that the settlement of strikes or lockouts shall be entirely within the discretion of the persons affected, and that the above requirement that any Force Majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes or lockouts when such course is inadvisable in the discretion of the person affected thereby.

**Attachment J.03**  
**Electrical Forecast**  
**(3 Pages Inclusive of Cover Page)**



GWSB = Glass Waste Storage Building  
 DUS = Dynamic Underground Stripping  
 SWPF = Salt Waste Processing Facility  
 WSB = Waste Solidification Building  
 PDCF = Pit Disassembly & Conversion Facility  
 HTF = H-Tank Farm

TEF = Tritium Extraction Facility  
 MFFF = Mixed Fuel Fabrication Facility  
 FTF = F-Tank Farm  
 SRNL = F/H Lab  
 KAMS = K Area Material Storage

# Electrical Load Variance (kW)

10/01/04 GWSB-2 Const	350	10/01/14 235-F (Deact Strt)	-369
10/01/04 D&D	-1673	04/01/15 HB Line & H Canyon (Deact Fin)	-1363
01/01/05 MFFF Const	1700	<u>FY15</u>	-1732
02/01/05 DUS II	1450	10/01/15 FTF (Deact Strt)	-351
07/01/05 GWSB-2 Const	-350	<u>FY16</u>	-351
07/01/05 GWSB-2	1000	10/01/16 235-F (Deact Fin)	-369
07/01/05 SWPF Const	850	10/01/16 FTF (Deact Fin)	-351
08/01/05 WSB Const	640	<u>FY17</u>	-720
<u>FY05</u>	3967	10/01/17 KAMS (Deact Strt)	-264
10/01/05 D&D	-693	<u>FY18</u>	-264
04/01/06 PDCF Const	850	04/01/19 SRTC (Deact Strt)	-171
<u>FY06</u>	157	<u>FY19</u>	-171
10/01/06 232-H	-621	10/01/19 KAMS (Deact Fin)	-264
10/01/06 D&D	-2818	10/01/19 HTF (Deact Strt)	-1073
12/01/06 FB Line & F Canyon (Deact Fin)	-2115	10/01/19 SWPF	-4250
02/01/07 TEF	3240	<u>FY20</u>	-5587
<u>FY07</u>	-2314	10/01/20 L-Area (Deact Strt)	-421
06/01/08 DUS II	-1450	10/01/20 DWPF (Deact Strt)	-2545
<u>FY08</u>	-1450	01/01/21 SRTC (Deact Fin)	-171
10/01/09 SWPF	4250	07/01/21 HTF (Deact Fin)	-1073
10/01/09 SWPF Const	-850	<u>FY21</u>	-4210
12/01/09 MFFF Const	-1700	10/01/21 DWPF (Deact Fin)	-2545
12/01/09 MFFF	16150	<u>FY22</u>	-2545
12/01/09 WSB Const	-640	10/01/22 L-Area (Deact Fin)	-421
12/01/09 WSB	4250	<u>FY23</u>	-421
<u>FY10</u>	21460	12/01/24 MFFF	-16150
10/01/10 HB Line & H Canyon (Deact Strt)	-1363	12/01/24 WSB	-4250
<u>FY11</u>	-1363	<u>FY25</u>	-20400
10/01/11 PDCF Const	-850		
10/01/11 PDCF	7800		
<u>FY12</u>	6950		



**Attachment J.04**

**O&M SCOPE REDUCTION STUDY -115kV  
TRANSMISSION SYSTEM  
(8 Pages Inclusive of Cover Page)**

**WSRC**  
**O&M SCOPE REDUCTION STUDY - 115 kV TRANSMISSION SYSTEM**

**I. Executive Summary**

The purpose of this study is to determine the feasibility of removing redundant 115kV transmission system lines and transformers from service that no longer serve critical processes that were designed with redundant electrical feeds during the cold war era.

The SRS transmission system was modeled in an EDSA software program and a load flow study conducted for seventeen cases. Each case showed that the system will not be negatively impacted by removing selected redundant lines from service. Therefore the operations and maintenance scope could be reduced by more than 25% when redundant 115kV transmission system lines (PP2, 11-54, 54-66, 54-12, 51-41B, 41-53B, 51-61, and 51-63) and transformers to several areas (C, K, L, P, 1G, 3G and 6G) are removed from service.

**II. System Description**

Electrical power to SRS is supplied from three sources operated by South Carolina Electric & Gas (SCE&G): one source is from the 484-D Powerhouse connected to switching station 41 and other two sources are from three purchased power (PP) transmission lines: two from the Urquhart Substation in Beech Island, SC and the third from the 230/115kV substation (east of P area) connected to switching stations 51, 52 and 53 respectively. From the switching station, the SRS 115 kV transmission system substations and lines are arranged in interconnecting loops (See attached single line drawing) intended to provide the SRS process areas with redundant sources of power. There are over 137 miles of transmission lines (includes three PP lines; see table 2), 4 switching stations (41, 51, 52, and 53) and 15 substations (see Table 1) in the system.

The 115kV power supply is transformed to medium voltage levels, either 13.8kV or 4.16 kV and then distributed across the site by WSRC.

Terms for the services, fees, and rates supplied from SCE&G are specified in Contract No. DE-AC09-95SR18531 (effective 10/1/95).

**III. Assumptions/General Notes**

1. It is noted that A, F and H areas have critical missions and require redundant supply lines and area transformers.
2. It is noted that K and L have critical site missions requiring redundant supply lines; however, one of the three transformers in L area can be removed from service and both transformers in K area can be rotated (one in service and the other on standby) to take credit for energy savings.

3. It is assumed that B, C, P, R, 1G, 3G, and 6G areas have no critical loads and do not require redundant supply lines or redundant area transformers.
4. It is assumed that the substation servicing 681-6G pumphouse and Linnology (735-7G) will no longer be needed.
5. Service availability and reliability will be reduced once the areas are supplied by a single line and/or transformer. Scheduling preventive maintenance will be challenging with the objective to minimize interruptions to customers. Loss of power to customers supplied by a single source will occur in the event of an unscheduled outage to either the line or transformer.

#### **IV. Recommendations**

1. DOE to notify SCE&G to lay-up equipment listed below. The transmission lines should be inspected prior to lay-up and a report issued noting the condition as left. Any unsafe condition concerning the transmission lines near locations such as buildings, parking lots, and road crossings should be corrected.

##### **Transmission Lines**

PP2 (Urquhart to 504-1G)  
11-54 (151-R to 504-4G)  
54-66 (504-4G to 681-6G)  
54-12 (504-4G to 151-P)  
51-41B (504-1G to 451-D)  
41-53B (451-D to 504-3G)  
51-61 (504-1G to 681-1G)  
51-63 (504-1G to 681-3G)

Transformers should be inspected prior to lay-up and a report issued noting the condition as left. In the event of a choice of transformers to remove from service then the best should remain in service. The transformer should remain on the pad and the 480V heater circuit should remain energized to all transformers.

##### **Transformers to lay-up**

One of two in C area  
One of two in P area  
One of three in L area  
One of two at 681-1G  
One of two at 681-3G  
All three at 681-6G

### Transformers to Rotate

The transformers in K area should be maintained and rotated at least biannually (one in service while the other on standby).

## V. Discussion

Electrical power to SRS is presently supplied from three sources operated by South Carolina Electric & Gas (SCE&G). One source is from the 484-D Powerhouse connected to switching station 41, and the other two sources are from three purchased power (PP) transmission lines; two from the Urquhart Substation in Beech Island, SC; and, the third from the 230/115kV substation (east of P area) connected to switching stations 51, 52 and 53 respectively. From the switching station, the SRS 115 kV transmission system substations and lines are arranged in interconnecting loops (see attached single line drawing) intended to provide the SRS process areas with redundant sources of electricity. There are over 137 miles of transmission lines, 4 switching stations and 15 substations in the system.

Table 1 lists the substations serviced by the SRS transmission system and provides the no load losses of transformers in the system. The system was configured to provide redundant electrical service to all of the areas on site with the exception of B and R areas. Since the early 1990's, the 100 R, P, L, K and C areas and the reactor cooling water pumphouses (681-1G, 681-3G and 681-6G) no longer have had critical processes requiring redundant electrical service. However, in the past few years K and L areas have adapted their facilities for material storage. H and A areas have relatively few changes with respect to safety class or safety significance thus redundant electrical service is required. F area has changed but with the advent of the MOX fuel fabrication facility ground breaking redundant electrical service may be required. Presently B and R areas are serviced by one transformer each (refer to Table 1). If it is determined that C, K, L, P, 1G, and 3G substations could shut down one transformer and 681-6G substation could shut down all transformers the energy cost associated with core losses equaling 540 kW or 394 MWhrs each month would be avoided. The average cost from the first seven months of calendar year 2005 is \$51.15/MWhr (includes demand/energy and O&M charges but does not include site distribution overheads). If the transformers identified above are removed from service, the potential energy savings could be \$241,800 per year.

In 1995, the O&M charge was \$150,000 per month increased 3.5% annually thereafter and the scope included all transformers and lines listed in tables 1 and 2 (includes all structures, switches, breakers and associated hardware) plus the transformers and lines servicing K cooling tower. By implementing the philosophy to only provide redundant electrical feeds to areas with critical processes, transmission lines 11-54, 54-66, 54-12, 51-41B, 41-53B, 51-61, and 51-63 could be removed from service. As stated previously three purchased power lines service the site: two from Urquhart and the third from the 230/115kV substation. One of the purchased power lines from Urquhart could be removed from service; preferably PP2 since Kimberly-Clark is also fed from that line and



the other Urquhart line and the 230/115kV line are dedicated to the site. The total length of 115kV transmission line is 137.08 miles and the total number of transformers is 32. The removal of the recommended transmission lines and transformers would reduce the total length of 115kV transmission line to 99.88 miles (a 27% reduction) and the total number of remaining transformers to 23 (a 28% reduction). It is reasonable to assume that since the removal of redundant transformers and 115kV transmission lines to non critical area will reduce SCE&G's O&M scope by approximately 25%.

A load flow study was conducted on the transmission system to determine and analyze load flows and bus voltages for the SRS 115kV transmission system to validate the feasibility of this proposal. Below are the details and results of the study:

### Load Flow Study

Load flow calculations were performed using the EDSA Technical 2004 program. A model of the SRS transmission system was developed using this program and base data information. Information such as bus destinations, line connections, line characteristics/lengths, transformer/generator data and base loads to each area (see table 4) were incorporated into the model. After the purchased power line 3 tie-in (at 504-3G) in the mid 80's, SRS experienced a reverse power flow through the site (known as wheeling) predominantly in at purchased power line 3 and out of purchased power lines 1 & 2. The 2004 average wheeling data (see table 3) is also fed into the model and seventeen cases ran. Results from the load flow study show that all in-service conductors are less than 50% of the design capacity for all cases. See the attached load flow case study.

The seventeen cases specified are described below:

Case 1: Normal operating condition with all breakers closed and three purchased power lines servicing the site. The average site load from the 2004 demand (see Table 3) was used (106.8 MW average demand in from line 3; 28 MW average demand out on line 1; 43.3 MW average demand out on line 2, and generating a 23.4 MW average demand in from 484-D resulting in a total average SRS demand of 58.9 MW; see table 4 for area loading).

Case A2: Open breakers 5115 (51-61); 5116 (51-63); 5111 (51-72); 5181 (PP-2); and 5315 (12-53) to de-energize the redundant lines as specified in the body of this memo. Site demand, generation and wheeling will remain the same as that of Case 1.

Case A3: With lines of case A2 de-energized, open breaker 5212 simulating preventive maintenance on line 52-71. Site demand, generation and wheeling will remain the same as Case 1.

**Case A4:** With lines of case A2 de-energized, open breaker 5213 simulating preventive maintenance on line 52-21. Site demand, generation and wheeling will remain the same as Case 1.

**Case A5:** With lines of case A2 de-energized, open breaker 5214 simulating preventive maintenance on line 52-22. Site demand, generation and wheeling will remain the same as Case 1.

**Case A6:** Open breakers 5115 (51-61); 5116 (51-63); 5115 (51-41B); 5312 (41-53B); 5181 (PP-2); and 5315 (12-53) to de-energize the redundant lines as specified in the body of this memo. Site demand, generation and wheeling will remain the same as that of Case 1.

**Case A7:** With lines of case A6 de-energized, open breaker 5212 simulating preventive maintenance on line 52-71. Site demand, generation and wheeling will remain the same as Case 1.

**Case A8:** With lines of case A6 de-energized, open breaker 5213 simulating preventive maintenance on line 52-21. Site demand, generation and wheeling will remain the same as Case 1.

**Case A9:** With lines of case A6 de-energized, open breaker 5214 simulating preventive maintenance on line 52-22. Site demand, generation and wheeling will remain the same as Case 1.

**Case B2:** Repeat Case A2, adding 35 MW loading for the future Plutonium Mission (MFFF, PDCF, and WSB) and Salt Waste Processing Facility.

**Case B3:** Repeat Case A3, adding 35 MW loading for the future Plutonium Mission (MFFF, PDCF, and WSB) and Salt Waste Processing Facility.

**Case B4:** Repeat Case A4, adding 35 MW loading for the future Plutonium Mission (MFFF, PDCF, and WSB) and Salt Waste Processing Facility.

**Case B5:** Repeat Case A5, adding 35 MW loading for the future Plutonium Mission (MFFF, PDCF, and WSB) and Salt Waste Processing Facility.

**Case B6:** Repeat Case A6, adding 35 MW loading for the future Plutonium Mission (MFFF, PDCF, and WSB) and Salt Waste Processing Facility.

**Case B7:** Repeat Case A7, adding 35 MW loading for the future Plutonium Mission (MFFF, PDCF, and WSB) and Salt Waste Processing Facility.

**Case B8:** Repeat Case A8, adding 35 MW loading for the future Plutonium Mission (MFFF, PDCF, and WSB) and Salt Waste Processing Facility.

**Case B9:** Repeat Case A9, adding 35 MW loading for the future Plutonium Mission (MFFF, PDCF, and WSB) and Salt Waste Processing Facility.

## VI. Tables

**Table 1 - Main Transformer Estimated losses**

<u>Subs.</u>	<u>ID</u>	<u>Trans.</u>	<u>Comments</u>	<u>No load losses</u>
A	71	2	Each less than 50% capacity when both in service	24 kW ea.
B	72	1	Less than 50% capacity	14.5 kW
C-1	15-1	1	Less than 10% capacity	60 kW
C-2	15-2	1	Less than 10% capacity	60 kW
D	44	8	Step-up transformers from generation station	60 kW ea.
F	21	2	Each less than 50% capacity when both in service	24 kW ea.
H	22	2	Each less than 50% capacity when both in service	24 kW ea.
K	14	2	Each less than 10% capacity	60 kW ea.
L-1	13-1	2	Each less than 10% capacity	60 kW ea.
L-2	13-2	1	Less than 10% capacity	60 kW
P	12	2	Each less than 10% capacity	60 kW ea.
R	11	1	Less than 10% capacity	60 kW
1G	61	2	Each less than 10% capacity	60 kW ea.
3G	63	2	Each less than 10% capacity	60 kW ea.
6G	66	3	Each less than 10% capacity	60 kW ea.

**Table 2 - 115kV Transmission Line Lengths**

<u>Line</u>	<u>Dist. (ft)</u>	<u>Dist. (miles)</u>		<u>Line</u>	<u>Dist. (ft)</u>	<u>Dist. (miles)</u>
71-52	24310	4.60		15-14	14270	2.70
51-71	38970	7.38		14-53	16480	3.12
51-72	25238	4.78		52-22	16284	3.08
72-52	20328	3.85		22-13	34045	6.45
51-61	13236	2.51		13-13	estimated	0.72
51-63	18571	3.52		13-53	18432	3.49
41-51A	13892	2.63		52-11	34690	6.57
41-51B	13398	2.54		11-54	6197	1.17
41-61	12114	2.29		54-66	6198	1.17
41-63	3842	0.73		54-12	10831	2.05
41-53A	36622	6.94		12-53	41224	7.81
41-53B	34252	6.49		PP1 (to 52)	93403	17.69
52-21	17269	3.27		PP2 (to 51)	93720	17.75
21-15	13502	2.56		PP3 (to 53)	44880	8.50
15-15	3803	0.72		Total		137.08

**Table 3 – 2004 Average Demand**

<b>Average MWhr/Hr (MW)</b>									
<b>2004</b>	<b>Line 1 In</b>	<b>Line 1 Out</b>	<b>Line 2 In</b>	<b>Line 2 Out</b>	<b>Line 3 In</b>	<b>Line 3 Out</b>	<b>Total PP</b>	<b>From D</b>	<b>Total</b>
Jan	0.1	20.1	0.0	28.7	88.0	0.0	39.1	11.0	50.1
Feb	0.2	18.8	0.0	27.2	73.2	0.0	27.4	13.1	40.5
Mar	0.9	13.0	0.1	21.6	54.1	0.1	20.4	17.9	38.3
Apr	0.8	15.5	0.2	23.5	52.5	0.2	14.3	23.1	37.4
May	0.0	23.2	0.0	32.2	77.2	0.0	21.8	20.1	42.0
Jun	0.2	23.1	0.1	32.9	77.0	0.0	21.4	23.4	44.7
Jul	0.1	20.3	0.0	32.1	76.6	0.0	24.3	21.4	45.7
Aug	0.1	19.7	0.0	29.6	73.0	0.0	23.8	20.3	44.1
Sep	0.0	17.3	0.0	29.1	68.2	0.0	21.8	20.0	41.8
Oct	2.2	13.1	0.1	22.2	52.7	0.0	19.8	18.6	38.5
Nov	0.0	20.6	0.0	31.8	73.0	0.0	20.7	17.1	37.8
Dec	0.0	19.9	0.0	29.7	73.4	0.0	23.8	15.6	39.4
Avg	0.4	18.7	0.0	28.4	69.9	0.0	23.2	18.5	41.7
		<b>Line 1</b>		<b>Line 2</b>		<b>Line 3</b>		<b>D</b>	
		-18.3		-28.3		69.9		18.5	41.7
		-18.3		-28.3		69.9			23.2
		-44%		-68%		167%		44%	100%
		-79%		-122%		301%			100%
		-25.9		-40.0		98.7		26.1	58.9
<b>Hold D to 23.4</b>		<b>-28.0</b>		<b>-43.3</b>		<b>106.8</b>		<b>23.4</b>	<b>58.9</b>

**Table 4 – Area Loading and Capacities**

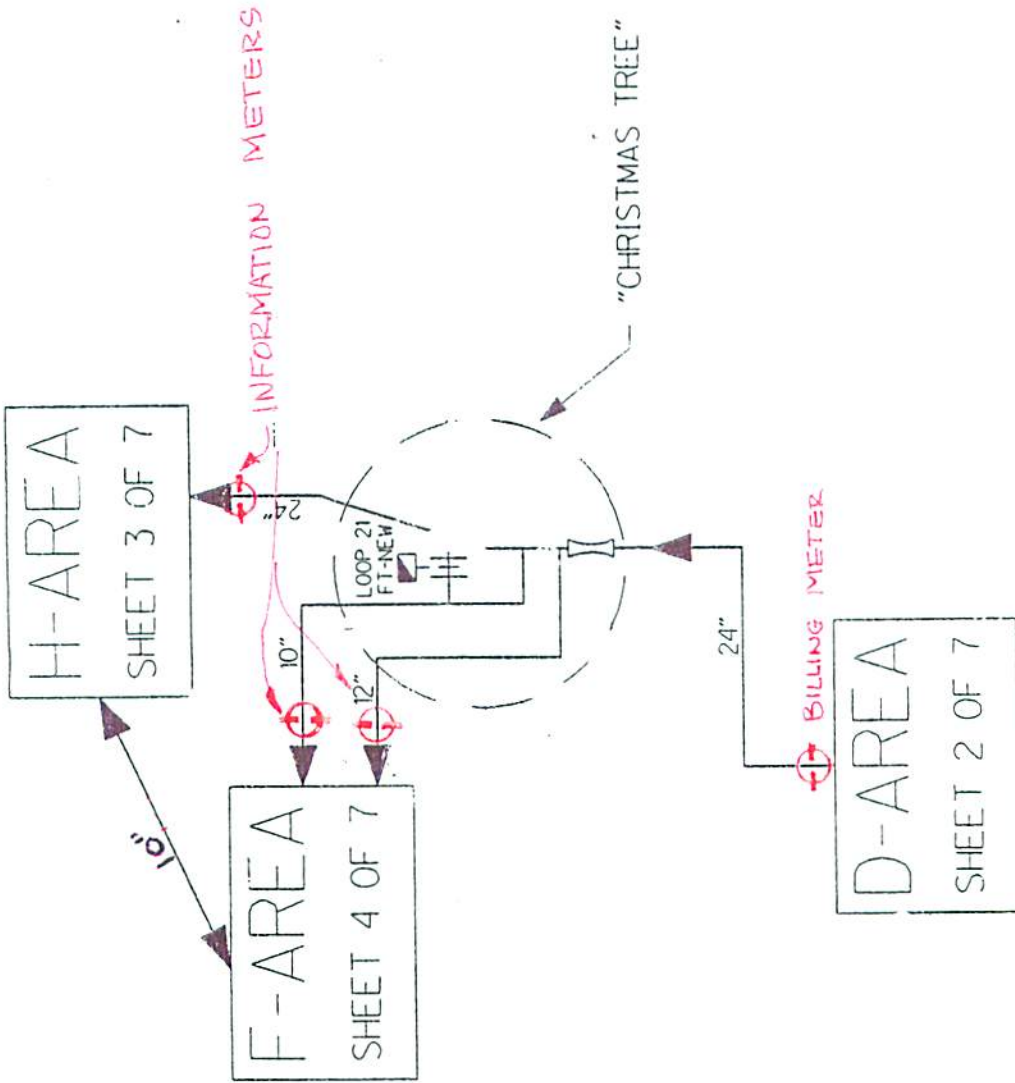
<b>Station</b>	<b>Load (MW)</b>	<b>Capacity (MVA)</b>	<b>Station</b>	<b>Load (MW)</b>	<b>Capacity (MVA)</b>	<b>Station</b>	<b>Load (MW)</b>	<b>Capacity (MVA)</b>
11 (R)	0.50	30	15-1 (C)	1.00	30	61 (1G)	0.10	40
12 (P)	0.50	60	15-2 (C)	1.00	30	63 (3G)	0.70	40
13-1 (L)	0.75	60	21 (F)	10.00	80	66 (6G)	0.10	19
13-2 (L)	0.75	30	22 (H)	25.00	80	71 (A)	12.00	80
14 (K)	1.50	60	41 (D)	1.00	D/TNX	72 (B)	4.00	16



## Map(s) and Drawing(s)

The enclosed map and drawing cited under Section J, List of Attachments, J.01, Transmission Substations, Exhibit A, Map, 115KV Line Routings and Drawing, sheet 2 of 7 are provided hereto. The documents are stamped **“For Official Use Only,”** and shall be handled and protected on a **“need-to-know basis”** as applicable to the lease agreement and performance of the Statement of Work.

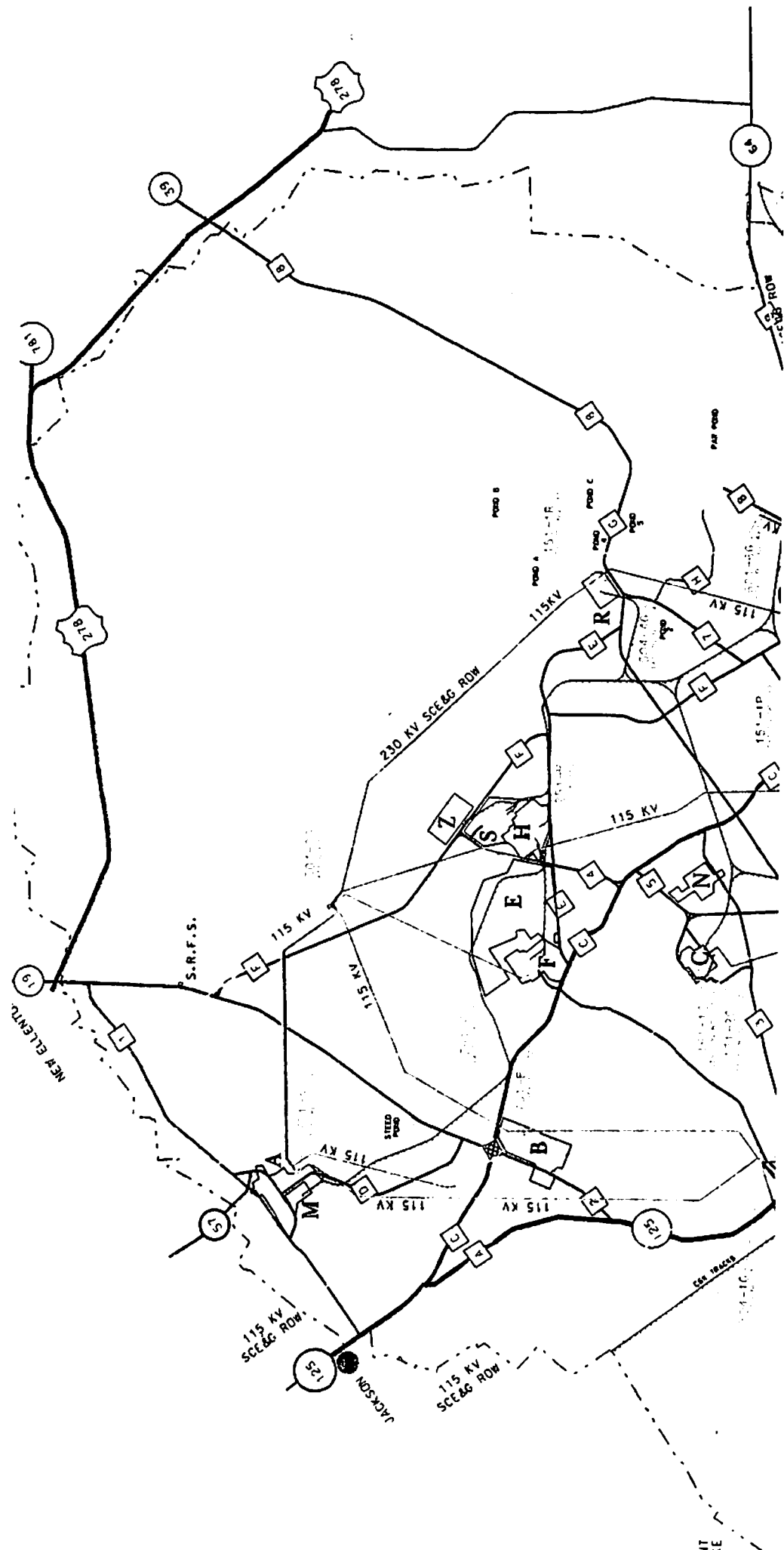
THIS DRAWING HAS BEEN FURNISHED BY THE SAVANNAH RIVER SITE, THE INFORMATION AND KNOW HOW THEREON MAY NOT BE USED IN WHOLE OR IN PART, INCLUREFER TO THIS STAMP.



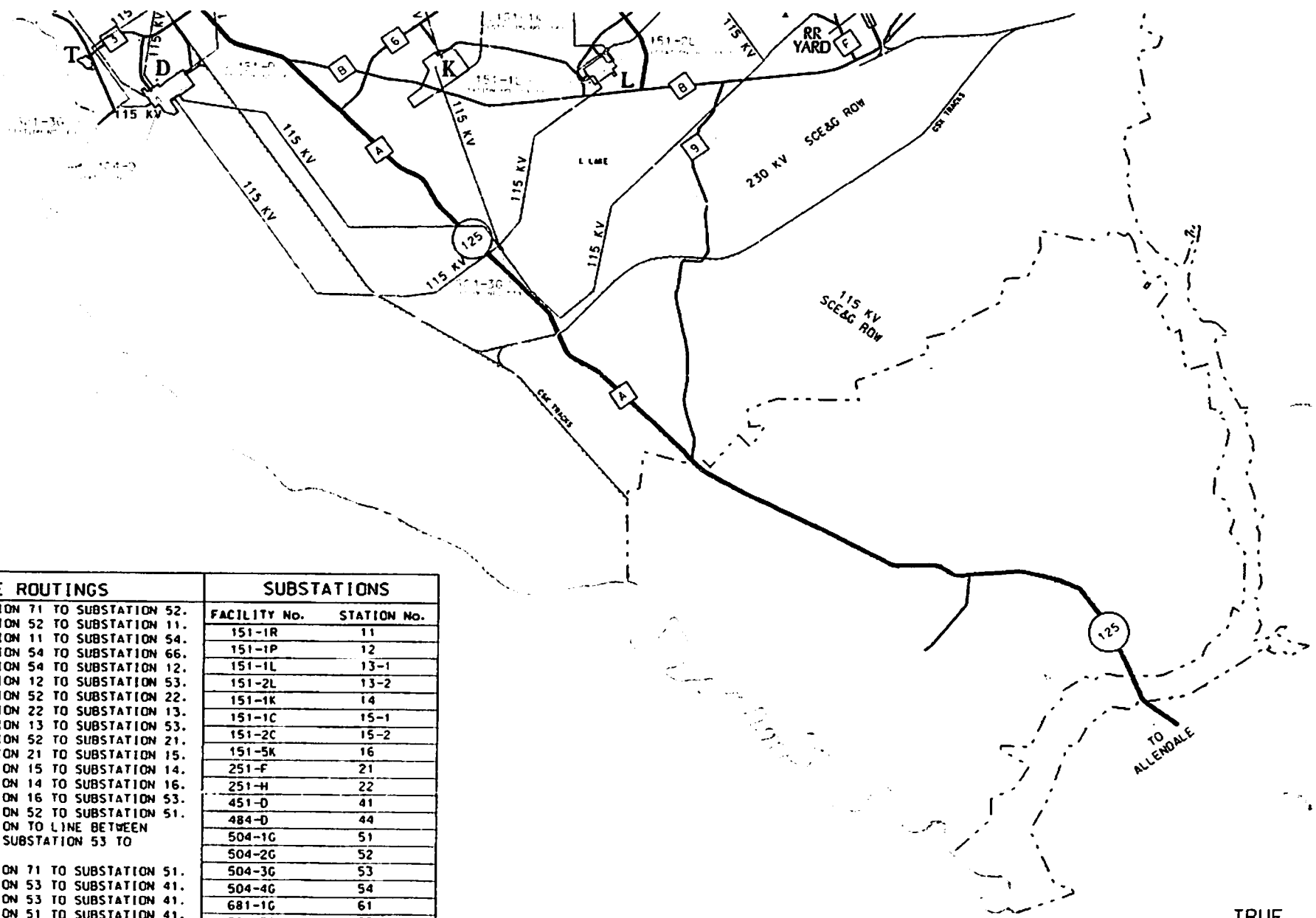
DOCUMENT NO. J-ADS-G-00001 PAGE A2 OF A8	REV. B
SKETCH NO. SK-867757-1	
SHEET 1 OF 7	

DESIGN GROUP:	INTRA-AREA STEAM LINES
BLOG No:	
UNITED STATES DEPARTMENT OF ENERGY	





NT KE

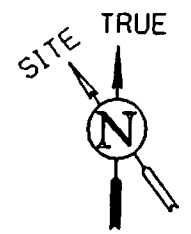


115KV LINE ROUTINGS		SUBSTATIONS	
		FACILITY No.	STATION No.
0.	LINE FROM SUBSTATION 71 TO SUBSTATION 52.	151-1R	11
0.	LINE FROM SUBSTATION 52 TO SUBSTATION 11.	151-1P	12
0.	LINE FROM SUBSTATION 11 TO SUBSTATION 54.	151-1L	13-1
0.	LINE FROM SUBSTATION 54 TO SUBSTATION 66.	151-2L	13-2
0.	LINE FROM SUBSTATION 12 TO SUBSTATION 53.	151-1K	14
0.	LINE FROM SUBSTATION 52 TO SUBSTATION 22.	151-1C	15-1
0.	LINE FROM SUBSTATION 22 TO SUBSTATION 13.	151-2C	15-2
0.	LINE FROM SUBSTATION 13 TO SUBSTATION 53.	151-5K	16
0.	LINE FROM SUBSTATION 53 TO SUBSTATION 21.	251-F	21
1.	LINE FROM SUBSTATION 21 TO SUBSTATION 15.	251-H	22
2.	LINE FROM SUBSTATION 15 TO SUBSTATION 14.	451-D	41
3.	LINE FROM SUBSTATION 14 TO SUBSTATION 16.	484-D	44
4.	LINE FROM SUBSTATION 16 TO SUBSTATION 53.	504-1G	51
5.	LINE FROM SUBSTATION 52 TO SUBSTATION 51.	504-2G	52
6.	LINE FROM CONNECTION TO LINE BETWEEN SUBSTATION 52 AND SUBSTATION 53 TO SUBSTATION 41.	504-3G	53
7.	LINE FROM SUBSTATION 71 TO SUBSTATION 51.	504-4G	54
8.	LINE FROM SUBSTATION 53 TO SUBSTATION 41.	681-1G	61
9.	LINE FROM SUBSTATION 53 TO SUBSTATION 41.	681-3G	63
0.	LINE FROM SUBSTATION 51 TO SUBSTATION 41.	681-6G	66
1.	LINE FROM SUBSTATION 51 TO SUBSTATION 41. (ALTERNATE LINE)	751-A	71
2.	LINE FROM SUBSTATION 51 TO SUBSTATION 61.	751-B	72
3.	LINE FROM SUBSTATION 61 TO SUBSTATION 41.		
4.	LINE FROM SUBSTATION 51 TO SUBSTATION 63.		
5.	LINE FROM SUBSTATION 41 TO SUBSTATION 63.		

EXHIBIT A  
SUBSTATIONS AND TRANSMISSION  
FACILITIES

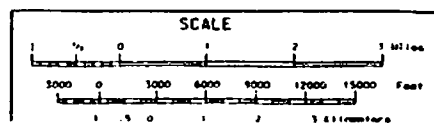
**LEGEND**  
MAPPING SYMBOLS

- U.S. Route
- State Route
- SRS Route



- NOTES:**
1. RIGHT-OF-WAY AT SUBSTATIONS IS THE FENCE LINE.
  2. 150' RIGHT-OF-WAY FOR 115 KV LINES.

————— POWER LINES TO BE TRANSFERRED TO SCE&G  
 - - - - - POWER LINES PREVIOUSLY OWNED BY SCE&G



DESIGNED BY:	DATE:
APPROVED BY:	DATE:
CHECKED BY:	DATE:
DRAWN BY:	DATE:

FACILITIES AND SERVICES  
**SITE DEVELOPMENT CONTROL  
 AND MAPPING**

SAVANNAH RIVER SITE  
 115 KV EASEMENT

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BUDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
151-2C	C	T1 GROUNDING TRANSFORMER	GE	B975363	QA	850	225	13.8k	GRD	390	03-05-90	
Building No.: 151      Building Area: 2      Comments: TC 240 : PPM DATA SHOWN AS 11:23-91 - DATE SAMPLED (PSA); PSA APPEARS TO BE IN ERROR BASED ON RESAMPLING BY TMA EBERLINE (5-11-92) AND SHEALY (7-9-09).												
										600	11-23-91	
										251	05-11-92	
										311	07-09-93	

*No 1 3*  
*ours*

RECEIVED

AUG 4 1995  
T&S OPERATIONS  
CENTRAL DIVISION

EXHIBIT B  
LIST OF TRANSFORMERS

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
 Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	POB LEVEL (PPM)	DATE ANALYZED	PHASES
------	------	----------	--------------	---------------	---------------	--------------------	---------------------	------------	-------------	-----------------	---------------	--------

681-5G	G	T-1 OUTDOOR	WESTINGHOUSE	6169440	QA/FA	1500	612	13.8K	480	11	04-13-85	3
--------	---	-------------	--------------	---------	-------	------	-----	-------	-----	----	----------	---

Building No.: 681 Building Area: 5  
 Comments: TC 157  
 VERIFY SERIAL NUMBER. SEE COMMENT ON 6169410.

14.5	02-16-90
12.6	11-07-91
10.3	12-16-92

# AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
 Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
81-5G	G	T-2	WESTINGHOUSE	6169439	OA/FA	1500	312	13.8k	480	11	09-04-81	3
Building No.: 681		Building Area: 5		Comments: TC 156 CHECK # OF GALLONS - SHOULD IT BE 6127						ND	04-13-85	
										<13	02-16-90	
										<2	11-07-91	
										<2	12-16-92	

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
151-2C	C	T-2	GE	B529509	OA/FA/T	30000	6650	115k	13.8k	15	08-12-81	3
Building No.: 151			Building Area: 2		Comments: TC 77					10	04-13-85	
										<13	03-05-90	
										18.1	11-23-91	
										14.5	02-19-93	
151-2C	C	TAP COMP	GE	B529509	OA/FA/T	30000	325	115k	13.8k	<13	04-20-90	
Building No.: 151			Building Area: 2		Comments: TAP COMP. TC 275					4.9	11-23-91	
										4.7	02-19-93	
484-D	D	T-2B EAST SIDE OF POWERHOUSE	WESTINGHOUSE	5065972	OA	10000	6978	115k	13.8k	5	08-07-81	3
Building No.: 484			Building Area:		Comments: TC 96					8	04-13-85	
					SEE OTHER RECORDS FOR ADDITIONAL DATA.					<13	02-16-90	
										<13	03-02-90	
										3.4	02-05-92	
484-D	D	T-2B EAST SIDE OF POWERHOUSE	WESTINGHOUSE	5065972	OA	10000	6978	115k	13.8k	3.6	12-14-92	3
Building No.: 484			Building Area:		Comments: TC 96							
					SEE OTHER RECORDS FOR ADDITIONAL INFO.							
484-D	D	T-3B East side of Power House	WESTINGHOUSE	5065974	OA/FA	10000	6978	115k	13K	8	08-07-81	3
Building No.: 484			Building Area:		Comments: TC 98					4	04-13-85	
					SEE OTHER RECORDS FOR ADDITIONAL INFO.					<13	02-16-90	
										<13	03-02-90	
										5.8	02-05-92	
484-D	D	T-3B East side of Power House	WESTINGHOUSE	5065974	OA/FA	10000	6978	115k	13K	5.1	12-14-92	3
Building No.: 484			Building Area:		Comments: TC 98							
484-D	D	T-3B Tap Changer East side of Power House	WESTINGHOUSE	5065974	OA/FA	10000	147	115k	13k	8	08-10-81	
Building No.: 484			Building Area:		Comments: TAP COMP. ; TC 254					<13	04-20-90	
					IS BUILDING #484-D OR 451-D?					4.6	11-15-91	
										5.1	12-15-92	
484-D	D	T-2A East Side of Powerhouse	WESTINGHOUSE	5065975	OA/FA	10000	6978	115k	13.8k	6	08-10-81	3
Building No.: 484			Building Area:		Comments: TC 95 OR 99? NEED TO CONFIRM TC NUMBER.					3	04-13-85	
					Had been at 622-G as pad spare.					<13	02-16-90	
					Previously AT 484-D . as T-4A.					<13	04-21-90	



AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
484-D	D	T-3A East side of Power House	WESTINGHOUSE	5065978	SL	10000	147	115k	13.8k	6	08-07-81	
		Building No.: 484								<13	04-20-90	
		Building Area:								8.7	11-07-91	
										8.3	12-15-92	
484-D	D	T-4A	WESTINGHOUSE	5067381	OA/FA	9375	7000	115k	13k	33	01-19-83	1
		Building No.: 484								<1	08-17-81	
		Building Area:								11	04-13-85	
										9	04-21-88	
										<13	02-16-90	
484-D	D	T-4A	WESTINGHOUSE	5067381	OA/FA	7500	7000	115k	13k	6.6	11-12-91	3
		Building No.: 484								5.6	12-14-92	
		Building Area:										
484-D	D	T-4B TAP COMP.	WESTINGHOUSE	5067382	OA/FA	9375	147	115k	13.8k	16	08-17-81	
		Building No.: 484								13.1	04-20-90	
		Building Area:								12.7	11-15-91	
										16.9	12-15-92	
484-D	D	T-4B OUTDOOR/GROUND	WESTINGHOUSE	5067382	OA/FA	7500	7000	115k	13.8k	8	08-17-81	3
		Building No.: 484								2	04-13-85	
		Building Area:								2	04-21-88	
										<13	02-16-90	
										12.7	02-05-92	
484-D	D	T-4B OUTDOOR/GROUND	WESTINGHOUSE	5067382	OA/FA	7500	7000	115k	13.8k	17.9	12-14-92	3
		Building No.: 484										
		Building Area:										
251-F	F	OUTDOOR/GROUND	WESTINGHOUSE	UFS3018-1	OA/FA	24000	6499	115k	13.8k	ND	04-13-85	3
		Building No.: 251								<13	12-29-89	
		Building Area:								<13	02-26-90	
										<2	12-05-91	
										<2	02-23-92	
251-F	F	OUTDOOR/GROUND	WESTINGHOUSE	UFS3018-2	OA/FA	24000	6499	115k	13.8k	ND	04-13-85	3
		Building No.: 251								<13	12-29-89	
		Building Area:								<13	02-26-90	
										<2	12-05-91	
										<2	02-23-93	
251-F	F	OUTDOOR/GROUND TAP CHANGED	WESTINGHOUSE	UFS3018-2	OA/FA	24000	467	115k	13.8k	<13	04-20-90	

Comments: TC 253 ; TAP COMP.  
IS BUILDING # 484-D OR 451-D?  
SEE OTHER RECORD FOR MORE INFORMATION.

Comments: TC 66; FORMERLY AT 251-H  
SEE OTHER RECORDS FOR MORE INFORMATION.

Comments: TC 66; FORMERLY AT 251-H

Comments: TC 256 ; TAP COMP.  
SEE OTHER RECORDS FOR MORE INFORMATION.

Comments: TC 67  
SEE OTHER RECORDS FOR MORE INFORMATION.

Comments: TC 67  
SEE OTHER RECORDS FOR MORE INFORMATION.

Comments: TC 163  
NOTE: E&I DATABASE LISTS TC 163 WITH SERIAL NUMBER  
4FS3018-1; BELIEVE EPD DATABASE IS CORRECT.  
VERIFY SERIAL NUMBER.

Comments: TC 164  
NOTE: E&I DATABASE LISTS TC 164 WITH SERIAL NUMBER  
4FS3018-2; BELIEVE EPD DATABASE IS CORRECT.  
VERIFY SERIAL NUMBER.

# AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (P.P.M)	DATE ANALYZED	PHASES	
										15.1	11-13-91		
										<2	12-16-92		
622-G	G	TAP COMP. (SPARE)	GE	B528846	OA-FA-T	20000	400	115k	13.8k	17.3	04-20-90		
		Building No.: 622	Building Area:		Comments: TAP COMP.; TC 244; NOT IN DATABASE BEFORE 5/13/94						15.1	11-12-91	
										15.9	02-11-93		
681-1G	G	T2	GE	528847	OA/FA/T	20000	7670	115k	4160	17	09-04-81		
		Building No.: 681	Building Area: 01		Comments: VERIFY SERIAL NUMBER AND TC. THIS UNIT MAY ACTUALLY BE B528847; SEE RECORD ON THAT UNIT.								
681-1G	G	T2 tap changer	GE	528847	OA/FA/T	20000	400	115k	4160	16	09-04-81		
		Building No.: 681	Building Area: 01		Comments: VERIFY SERIAL NUMBER AND TC. THIS UNIT MAY ACTUALLY BE B528847; SEE RECORD ON THAT UNIT.								
681-1G	G	T1	GE	528848	OA/FA/T	20000	7670	115k	4160	5	09-03-81		
		Building No.: 681	Building Area: 01		Comments: VERIFY SERIAL NUMBER AND TC. THIS UNIT MAY ACTUALLY BE B528848; SEE RECORD ON THAT UNIT.								
681-1G	G	T1 tap changer	GE	528848	OA/FA/T	20000	400	115k	4160	2	09-03-81		
		Building No.: 681	Building Area: 01		Comments: VERIFY SERIAL NUMBER AND TC. THIS UNIT MAY ACTUALLY BE B528848; SEE RECORD ON THAT UNIT.								
681-1G	G	T-2 OUTDOOR/GROUND PUMP HOUSE	GE	B528847	OA/FA	2000	7670	115k	13.8k	16	04-13-85	3	
		Building No.: 681	Building Area: 1		Comments: TC 101					<13	02-16-90		
					VERIFY SERIAL NUMBER & TC. SEE COMMENT ON SERIAL #528847.					16.2	11-06-91		
										22.6	12-16-92		
681-1G	G	T-1 OUTDOOR/GROUND	GE	B528848	OA/FA	2000	7670	115k	4160	ND	04-13-85		
		Building No.: 681	Building Area: 1		Comments: TC 100 OR TC 138?					<13	02-16-90		
					VERIFY SERIAL NUMBER & TC. SEE COMMENT ON SERIAL #528848.					<2	11-07-91		
										<2	02-11-93		
681-1G	G	T-1 (TAP COMP.)	GE	B528848	OA/FA	2000	400	115k	4160	<13	04-20-90		
		Building No.: 681	Building Area: 1		Comments: TAP COMP.; TC 262; NOT IN DATABASE BEFORE 5/18/94					<2	11-07-91		
					VERIFY SERIAL NUMBER & TC. SEE COMMENT ON SERIAL #528848.					<2	12-16-92		
681-3G	G	T1	GE	528845	OA/FA/T	20000	7670	115k	4160	1	09-04-81		
		Building No.: 681	Building Area: 03		Comments: VERIFY SERIAL NUMBER & TC #. THIS UNIT MAY ACTUALLY BE B528845; SEE RECORD ON THAT UNIT.								
681-3G	G	T1 tap changer	GE	528845	OA/FA/T	20000	400	115k	4160	3	09-04-81		
		Building No.: 681	Building Area: 03		Comments: VERIFY SERIAL NUMBER & TC #. THIS UNIT MAY ACTUALLY BE B528845; SEE RECORD ON THAT UNIT.								

# AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T

Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES	
Building No.: 681			Building Area: 6		Comments: TC 125 ; DECHLORINATED 03-12-82 (SUN OHIO) PREVIOUSLY AT 681-7G. SEE OTHER RECORD FOR MORE INFORMATION. VERIFY FLUID VOLUME- MAY BE TOO HIGH				86	04-03-81			
										74	08-11-81		
										5.1	08-05-82		
										5	04-13-85		
681-6	G	T-1	GE	D203257	OA/FA	10000	4160	115k	4160	<13	02-28-90	3	
Building No.: 681			Building Area: 6		Comments: TC 125 ; DECHLORINATED 03-12-82 (SUN OHIO) PREVIOUSLY AT 681-7G. SEE OTHER RECORD FOR MORE INFORMATION. VERIFY FLUID VOLUME- MAY BE TOO HIGH						7.1	11-06-91	
										7.9	11-16-92		
	H	T-1	WESTINGHOUSE	UFS3007-1	OA/FA	24 - 40 K	6500	115k	7970	ND	04-13-85	3	
Building No.: 251			Building Area:		Comments: TC 161						<13	02-23-90	
										<2	11-23-91		
										<2	02-11-93		
251-H	H	T-1 TAP. COMP.	WESTINGHOUSE	UFS3007-1	OA/FA	24 - 40 K	466	115k	7970	<13	04-20-90		
Building No.: 251			Building Area:		Comments: TC 266; TAP COMP.; NOT IN DATABASE BEFORE 5/16/94 PPM DATA ON 11-23-91 - DATE SAMPLED (PSA)						3.6	11-23-91	
										3.1	02-11-93		
151-1k	K	T-1	GE	B529506	OA/FA/A	30000	6650	115k	13.8k	ND	06-30-80	3	
Building No.: 151			Building Area: 1		Comments: TC 81; NOT IN DATABASE BEFORE 5/16/94						30	08-11-81	
										20	04-13-85		
										18.7	04-20-90		
										33.8	11-21-91		
151-1K	K	T-1	GE	B529506	OA/FA/A	30000	6650	115k	13.8k	30.4	02-23-93	3	
Building No.: 151			Building Area: 1		Comments: TC 81; NOT IN DATABASE BEFORE 5/16/94 SEE OTHER RECORDS FOR MORE INFORMATION.								
										14.4	04-20-90		
										30.8	11-21-91		
										31.3	02-23-93		
151-1K	K	T-2	GE	B529508	OA/FA/T	30000	6650	115k	13.8k	30	08-11-81	3	
Building No.: 151			Building Area: 1		Comments: TC 80						25	04-13-85	
										22.5	04-20-90		
										40.3	11-20-91		
										40.0	02-23-93		
151-1K	K	T-2 TAP COMP.	GE	B529508	OA/FA/T	30000	325	115k	13.8k	18.7	04-20-90	3	
Building No.: 151			Building Area: 1		Comments: TC 271; TAP COMP.; NOT IN DATABASE BEFORE 5/16/94						34.1	11-21-91	
										30.3	11-24-92		

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T

Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
151-2L	L		CE	B529501	OA/FA/T	30000	6650	115k	13.8k	ND	6-30-80	3
		Building No.: 151	Building Area: 2	Comments: WAS AT 151-R; TC 129 VERIFY SERIAL NUMBER; E&I PRINTOUT LISTS #B52950L FOR TC129						13	08-10-81	
										<13	04-20-90	
										23.3	11-20-91	
										20.8	02-17-93	
151-2L	L	TAP COMP. T-3	CE	B529501	SL	30000	325	115k	13.8k	<13	03-05-90	3
		Building No.: 151	Building Area: 2	Comments: TAP COMP.; TC 243; NOT IN DATABASE BEFORE 5/16/94						3.5	11-20-92	
										3.8	02-17-93	
151-N	N	POTENTIAL TRANSFORMER	CE	C658213	ES-1	8	145	115k	115	47.9	02-13-90	1
		Building No.: 727	Building Area:	Comments: TC 134; DRAINED (& RINSED) AND REMOVED FROM SERVICE IN 1994. NO PLANS FOR RE-USE; CARCASS STORED AT CENTRAL SHOPS SPARE YARD PENDING DISPOSAL.						59.4	11-14-91	
										67.1	12-11-92	
151-1P	P	T1	CE	B529502	OAFAT	30000	6650	115k	13.8k	12	07-28-81	3
		Building No.: 151	Building Area: 1	Comments: TC 117 SEE OTHER RECORDS FOR MORE INFORMATION.						8	04-13-85	
										<13	02-28-90	
										13.5	04-20-90	
										13.5	11-21-91	
151-1P	P	T1; TAP COMP.	CE	B529502	OAFAT	30000	325	115k	13.8k	12.9	11-21-91	3
		Building No.: 151	Building Area: 1	Comments: TC 270; TAP COMP.; NOT IN DATABASE BEFORE 5/18/94						10.1	02-17-93	
151-1P	P	T1	CE	B529502	OAFAT	30000	6650	115k	13.8k	10.4	02-17-93	3
		Building No.: 151	Building Area: 1	Comments: TC 117								
151-1P	P	T2	CE	B529503	OAFAT	30000	5845	115k	13.8k	26	08-10-81	3
		Building No.: 151	Building Area: 1	Comments: TC 118						24	04-13-85	
										15.6	02-28-90	
										32.2	11-21-91	
										31.0	02-17-93	
151-1P	P	T2; TAP COMP.	CE	B529503	OAFAT	30000	5845	115k	13.8k	25	11-21-91	3
		Building No.: 151	Building Area: 1	Comments: TC 269; NOT IN DATABASE BEFORE 5/18/94 TAP CHANGER. CHECK FLUID VOLUME; IS IT 325?						30.9	02-17-93	
151R	R	T-2	CE	B-529500	OAFAT	30000	6650	115k	13.8k	14	08-11-81	3
		Building No.: 151	Building Area:	Comments: TC 128						11	04-13-85	
										<13	04-20-90	

# AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
7	D	POLE 12 H2S MONITOR NOT IN USE				10						
Building No.:		Building Area:		Comments: G-AREA INVENTORY (3/91) LISTED THIS UNIT IN "STATION 41". NOTES SAY UNIT IS LABELED NON-PCB. NEED MANUFACT., SERIAL #, MODEL, FLUID VOLUME, VOLTAGE, PCB LEVEL, PHASES. NOT FOUND DURING WALKDOWN ON 4/12/95.								
	D	T-2, Perimeter Road NorthWest of Water plant	COOPER POWER									
Building No.:		Building Area:		Comments: DISCOVERED DURING WALKDOWN OF D-AREA ON 4/12/95. NEED BLDG. #, SERIAL NUMBER, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL, PHASES.								
	D	T-1, Perimeter Road Next to Water plant	COOPER POWER									
Building No.:		Building Area:		Comments: DISCOVERED DURING WALKDOWN OF D-AREA ON 4/12/95. NEED BLDG. #, SERIAL NUMBER, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL, PHASES.								
483-D	D		SQUARED	940757-A1		3750	530	13.8k	2400			
Building No.:		Building Area:		Comments: MANUFACTURED 1/95. NAMEPLATE HAS MANUFACTURER CERTIFICATION AS NON-PCB AND A BLUE NON-PCB LABEL. WAS NOT YET IN SERVICE AT TIME OF D-AREA WALKDOWN ON 4/12/95.								
411-1D	D	EAST OUTDOOR/GROUND	WAGNER	M9E1030	OA	1250	500	4160	440	ND	06-30-80	3
Building No.: 411		Building Area:		Comments: TC 30 IN PLACE BUT NOT IN SERVICE DURING WALKDOWN 4/12/95.								
										<13	02-21-90	
										11.5	11-18-91	
										11.5	02-05-92	
										9.8	12-17-92	
411-D	D	EAST END	WAGNER	M9E1027	HPA-16	1250	500	4160	480	3	03-09-82	
Building No.: 411		Building Area: 2		Comments: NOT FOUND DURING WALKDOWN ON 4/12/95. DECOMMISSIONED?								
412-D	D	LOCATED NEAR 412-D	VANTRAN	91V8131		300	220					
Building No.: 412		Building Area:		Comments: ADDED TO DATABASE 7/20/94 BASED ON RIGGSBEE MEMO OF 2/23/94. NEED MODEL TYPE, VOLTAGE, PCB LEVEL & PHASES.								
412-D	D	NEAR 412-D ADJACENT POLES 9W4 & 6Y5	VANTRAN	91V8132		300	220	13.8k	480			
Building No.: 412		Building Area:		Comments: ADDED TO DATABASE 7/20/94 BASED ON RIGGSBEE MEMO OF 2/23/94. EXTERIOR OF UNIT IS UNLABELED (WALKDOWN 4/12/95). NEED MODEL TYPE, VOLTAGE, PCB LEVEL & PHASES.								
412-D	D	East of flare tower	CONTINENTAL	C-123173-B	O	50	55	13.8k	240-480	4	03-09-82	
Building No.: 412		Building Area:		Comments: NOT LOCATED DURING WALKDOWN ON 4/12/95								

# AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
421-4D	D	POLE 64 (3 POLE-MOUNTS TOGETHER)										
Building No.: 421			Building Area: 04		Comments: ADDED TO DATABASE 7/14/94 BASED ON LIST PROVIDED BY DAVID COLE IN D-AREA. NO OTHER IDENTIFYING INFO ON THE LIST. NEED MANUFACTURER, SERIAL NUMBER, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL & PHASES.							
421-4D	D	POLE 64 (3 POLE-MOUNTS TOGETHER)										
Building No.: 421			Building Area: 04		Comments: ADDED TO DATABASE 7/14/94 BASED ON LIST PROVIDED BY DAVID COLE IN D-AREA. NO OTHER IDENTIFYING INFO ON THE LIST. NEED MANUFACTURER, SERIAL NUMBER, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL & PHASES.							
421-4D	D	POLE 64 (3 POLE-MOUNTS TOGETHER)										
Building No.: 421			Building Area: 04		Comments: ADDED TO DATABASE 7/14/94 BASED ON LIST PROVIDED BY DAVID COLE IN D-AREA. NO OTHER IDENTIFYING INFO ON THE LIST. NEED MANUFACTURER, SERIAL NUMBER, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL & PHASES.							
451-D	D		WESTINGHOUSE	5065973	OA	10000	6978	13.8k	115K	5	08-07-81	3
Building No.: 451			Building Area:		Comments: TC 95 - VERIFY THIS IS CORRECT TC # (SEE 5065975). VERIFY LOCATION - HAD BEEN LISTED AT 451-D (T-2A), @ EAST SIDE OF POWERHOUSE. PREVIOUSLY LISTED AT C/S OUTDOOR PAD. SEE OTHER RECORD FOR ADDITIONAL DATA							
										<13	03-02-91	
										<2	02-05-92	
										<2	11-07-91	
										<2	12-15-92	
451-D	D	451-D AT3	WESTINGHOUSE	6169419	OA/FA	5000	1318	13.8k	2400	136	04-13-85	
Building No.: 451			Building Area:		Comments: TC 35 SOME OLD DOCUMENTS SHOWED THIS AS SERIAL #6000169419. FORMERLY LISTED AT 434-D							
										118	12-18-87	
										120	12-18-89	
										159	02-05-92	
										177	02-23-93	
451-D	D	451-D AT2	WESTINGHOUSE	6169420	OA/FA	5000	1318	13.8k	2400	114	04-13-85	3
Building No.: 451			Building Area:		Comments: TC 34 SOME OLD DOCUMENTS SHOWED THIS AS SERIAL NUMBER 6000169420. FORMERLY SHOWN AT 451-D.							
										90	12-18-87	
										92.5	12-18-89	
										116	02-05-92	
										136	02-23-93	
451-D	D	AT-4 SWITCHYARD	WESTINGHOUSE	616947	OA/FA	5000	1313	13.8k	2400	3.4	11-11-91	3
Building No.: 451			Building Area: 4		Comments: TC 36 NOT IN DATABASE BEFORE 5/13/94 CHECK SERIAL NUMBER.							
										3.9	12-15-92	
451-D	D	AT-1 SWITCHYARD	WESTINGHOUSE	6169418	OA/FA	5000	1312	13.8k	2400	28	06-30-80	3

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T

Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
452-7D	D	On pole behind 701-2D	KUHLMAN	847725	OISL	3	6.5	480	120-240	19	05-05-83	1
		Building No.: 452	Building Area: 07	Comments: POLE 94Y7								
452-8D	D	Substation WEST 421-2D	ALLIS CHALMERS	2695605	OA	500	333	13.8k	240-480	3	09-02-81	3
		Building No.: 452	Building Area: 8	Comments: TC 21								
	D	East of Water Treatment Plant	WESTINGHOUSE	6169417	OA	5000	1313	13.8k	2400	74	06-30-80	3
		Building No.: 483	Building Area:	Comments: TC 20 ; Dechlorinated by Sun Ohio, 3-13-82 SEE OTHER RECORD FOR MORE INFORMATION.								
										74	07-03-80	
										86	01-15-81	
										19	08-05-82	
										48	12-18-87	
483-D	D	East of Water Treatment Plant	WESTINGHOUSE	6169417	OA	5000	1313	13.8k	2400	40.9	12-11-89	3
		Building No.: 483	Building Area:	Comments: TC 20 Dechlorinated by Sun Ohio, 3-13-82 SEE OTHER RECORD FOR MORE INFORMATION.								
										37.4	02-20-90	
										64.4	11-18-91	
										64.4	02-05-92	
										63.5	12-17-92	
484-D	D	T-2B EAST SIDE OF POWERHOUSE	WESTINGHOUSE	5065972	OA	10000	6978	115k	13.8k	5	08-07-81	3
		Building No.: 484	Building Area:	Comments: TC 96 SEE OTHER RECORDS FOR ADDITIONAL DATA.								
										8	04-13-85	
										<13	02-16-90	
										<13	03-02-90	
										3.4	02-05-92	
84-D	D	T-2B EAST SIDE OF POWERHOUSE	WESTINGHOUSE	5065972	OA	10000	6978	115k	13.8k	3.6	12-14-92	3
		Building No.: 484	Building Area:	Comments: TC 96 SEE OTHER RECORDS FOR ADDITIONAL INFO.								
484-D	D	T-2B TAP CHANGER, EAST SIDE OF POWERHOUSE	WESTINGHOUSE	5065972			147			5	08-07-81	3
		Building No.: 484	Building Area:	Comments: TC 252 ; TAP COMP. IS BUILDING NUMBER 484-D OR 451-D?								
										<13	04-20-90	
										<2	11-07-91	
										<2	12-15-92	
484-D	D		WESTINGHOUSE	5065973	OA	10000	147	13.8k	115K	4	08-07-81	
		Building No.: 484	Building Area:	Comments: TC 249; NOT IN DATABASE BEFORE 5/12/94; TAP COMP. VERIFY LOCATION - HAD BEEN LISTED AT 451-D (T-2A). @ EAST SIDE OF POWERHOUSE. PREVIOUSLY LISTED AT C/S OUTDOOR PAD. SEE OTHER RECORD FOR ADDITIONAL DATA								
										<13	04-20-90	
										<2	11-07-91	
										<2	12-15-92	

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T

Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES	
484-D	D	T-1A East side of Power House	WESTINGHOUSE	5065977	SL	10000	6978	115k	13.8k	<2	12-15-92	3	
Building No.: 484		Building Area:		Comments: TC 93 SEE OTHER RECORD FOR MORE INFORMATION									
484-D	D	T-1A East side of Power House	WESTINGHOUSE	5065977	SL	10000	147	115k	13.8k	<1	08-06-81		
Building No.: 484		Building Area:		Comments: TC 250 ; TAP COMP. SEE OTHER RECORD FOR MORE INFORMATION.							<13	04-20-90	
										<2	11-07-91		
										<2	12-15-92		
484-D	D	T-3A East side of Power House	WESTINGHOUSE	5065978	SL	10000	6978	115k	13.8k	6	08-07-81		
Building No.: 484		Building Area:		Comments: TC 97 SEE OTHER RECORD FOR MORE INFORMATION.							2	04-13-85	
										<13	12-18-89		
										<13	02-16-90		
										<13	03-02-90		
484-D	D	T-3A East side of Power House	WESTINGHOUSE	5065978	SL	10000	6978	115k	13.8k	8.1	02-05-92		
Building No.: 484		Building Area:		Comments: TC 97							0	11-07-91	
										8.1	12-14-92		
484-D	D	T-3A East side of Power House	WESTINGHOUSE	5065978	SL	10000	147	115k	13.8k	6	08-07-81		
Building No.: 484		Building Area:		Comments: TC 253 ; TAP COMP. IS BUILDING # 484-D OR 451-D? SEE OTHER RECORD FOR MORE INFORMATION.							<13	04-20-90	
										8.7	11-07-91		
										8.3	12-15-92		
484-D	D	T-4A	WESTINGHOUSE	5067381	OA/FA	9375	7000	115k	13k	33	01-19-83	1	
Building No.: 484		Building Area:		Comments: TC 66; FORMERLY AT 251-H SEE OTHER RECORDS FOR MORE INFORMATION.							<1	08-17-81	
										11	04-13-85		
										9	04-21-88		
										<13	02-16-90		
484-D	D	T-4A	WESTINGHOUSE	5067381	OA/FA	7500	7000	115k	13k	6.6	11-12-91	3	
Building No.: 484		Building Area:		Comments: TC 66; FORMERLY AT 251-H							5.6	12-14-92	
484-D	D	T-4A	WESTINGHOUSE	5067381			147			<13	04-20-90	3	
Building No.: 484		Building Area:		Comments: FORMERLY AT 251-H ; TAP COMP. ; TC 255 IS BUILDING # 484-D OR 451-D?							8.3	11-15-91	
										10.9	12-15-92		
484-D	D	T-4B TAP COMP.	WESTINGHOUSE	5067382	OA/FA	9375	147	115k	13.8k	16	08-17-81		
Building No.: 484		Building Area:		Comments: TC 256 ; TAP COMP. SEE OTHER RECORDS FOR MORE INFORMATION.							13.1	04-20-90	
										12.7	11-15-91		



# AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
Building No.: 484			Building Area:		Comments:							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #1	RESEARCH-COTTRELL	SIRT-70-778	OA	64	176	400	53.5	<1	03-07-82	
Building No.: 484			Building Area:		Comments:							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #4	RESEARCH-COTRELL	SIRT-70-786	OA	400	176	400	53.5K	<2	12-18-92	1
Building No.: 484			Building Area:		Comments: NOT IN DATABASE BEFORE 5/13/94							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #1	RESEARCH-COTTRELL	SIRT-70-787	OA	64	176	400	53.5	<1	03-07-82	
Building No.: 484			Building Area:		Comments:							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #4	RESEARCH-COTTRELL	SIRT-70-789	OA	64	176	400	53.5K	<2	12-18-92	1
Building No.: 484			Building Area:		Comments: NOT IN DATABASE BEFORE 5/13/94							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #2	RESEARCH-COTTRELL	SIRT-70-790	OA	64	176	400	53.5	<1	03-07-82	
Building No.: 484			Building Area:		Comments: NOT LABELED AS OF WALKDOWN CONDUCTED ON 4/12/95.							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #3	RESEARCH-COTRELL	SIRT-70-792	OA	64	176	400	53.5K	<2	12-18-92	1
Building No.: 484			Building Area:		Comments: NOT IN DATABASE BEFORE 5/14/94							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #2	RESEARCH-COTTRELL	SIRT-70-793	OA	64	176	400	53.5	<1	03-07-82	
Building No.: 484			Building Area:		Comments:							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #3	RESEARCH-COTRELL	SIRT-70-795	OA	64	176	400	53.5K	<2	12-18-92	1
Building No.: 484			Building Area:		Comments: NOT IN DATABASE BEFORE 5/14/94							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #4	RESEARCH-COTRELL	SIRT-70-797	OA	64	176	400	53.5K	<2	12-18-92	1
Building No.: 484			Building Area:		Comments: NOT IN DATABASE BEFORE 5/14/94							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #3	RESEARCH-COTRELL	SIRT-70-802	OA	64	176	400	53.5K	<2	12-18-92	1
Building No.: 484			Building Area:		Comments: NOT IN DATABASE BEFORE 5/13/94							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #2	RESEARCH-COTRELL	SIRT-70-989	OA	64	176	400	53.5K	<2	12-18-92	1
Building No.: 484			Building Area:		Comments: NOT IN DATABASE BEFORE 5/13/94							

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T

Equipment Type: TRANSFORMER

XS	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
-D	D	Pole @ end of platform above Waukesha Diesel	KUHLMAN	B43485	OISC	3	6.5	480	120-240	25	02-22-82	
		Building No.: 501	Building Area:		Comments:							
-D	D	Fence and street lighting transformers on platform	MOLONEY	901772	FUL	30KW	92	4800	1950	1	02-22-82	
		Building No.: 501	Building Area: 5		Comments: NOT FOUND DURING WALKDOWN OF 4/12/95.							
-1D	D	Pole 15		92A442499		75	42	13.8k				
		Building No.: 701	Building Area: 01		Comments: ADDED TO DATABASE PER 11/92 E-MAIL FROM T. D. FOLK AND A. KING. NEED MANUFACTURER, MODEL TYPE, VOLTAGE OUT, PCB LEVEL & PHASES. UNLABELED.							
-1D	D	POLE D7313 (Old pole # is Pole 15)		92A442500		75	42	13.8k				
		Building No.: 701	Building Area: 01		Comments: ADDED TO DATABASE PER 11/92 E-MAIL FROM T. D. FOLK AND A. KING. NEED MANUFACTURER, MODEL TYPE, VOLTAGE OUT, PCB LEVEL & PHASES. UNLABELED.							
-1D	D	Pole 15		92A442501		75	42	13.8k				
		Building No.: 701	Building Area: 01		Comments: ADDED TO DATABASE PER 11/92 E-MAIL FROM T. D. FOLK AND A. KING. NEED MANUFACTURER, MODEL TYPE, VOLTAGE OUT, PCB LEVEL & PHASES. UNLABELED.							
-1D	D	Pole D7301 (3 pole-mounts together)										
		Building No.: 704	Building Area: 01		Comments: FOUND DURING 4/12/95 WALKDOWN OF D-AREA (LOOKED NEW). UNLABELED. NEED MANUFACTURER, SERIAL NUMBER, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL AND PHASES.							
-1D	D	Pole D7301 (3 pole-mounts together)										
		Building No.: 704	Building Area: 01		Comments: FOUND DURING 4/12/95 WALKDOWN OF D-AREA (LOOKED NEW). UNLABELED. NEED MANUFACTURER, SERIAL NUMBER, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL AND PHASES.							
-1D	D	Pole D7301 (3 pole-mounts together)										
		Building No.: 704	Building Area: 01		Comments: FOUND DURING 4/12/95 WALKDOWN OF D-AREA (LOOKED NEW). UNLABELED. NEED MANUFACTURER, SERIAL NUMBER, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL AND PHASES.							
-D	D	Pole 6X	CE	C174917	HTS	45	40	13.8k	480	41	02-22-82	
		Building No. 772	Building Area:		Comments:							

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
 Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
681-6G	G	T2 L	WAGNER	K9E1020	OA/FA	7500	2210	13.8k	4160	7	09-08-81	3
Building No.: 681			Building Area: 6		Comments: Retrofilled 7/94.					5	04-13-85	
										50.7	02-11-93	
										<1	01-17-95	



AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T

Equipment Type: TRANSFORMER

LDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
										16.9	12-15-92	
84-D	D	T-4B OUTDOOR/GROUND	WESTINGHOUSE	5067382	OA/FA	7500	7000	115k	13.8k	8	08-17-81	3
		Building No.: 484	Building Area:		Comments: TC 67					2	04-13-85	
					SEE OTHER RECORDS FOR MORE INFORMATION.					2	04-21-88	
										<13	02-16-90	
										12.7	02-05-92	
84-D	D	T-4B OUTDOOR/GROUND	WESTINGHOUSE	5067382	OA/FA	7500	7000	115k	13.8k	17.9	12-14-92	3
		Building No.: 484	Building Area:		Comments: TC 67							
					SEE OTHER RECORDS FOR MORE INFORMATION.							
84-D	D	484-D AT4	WESTINGHOUSE	6000169471	OA/FA	5000	1318	13.8k	2400	1	04-13-85	
		Building No.: 484	Building Area:		Comments: NEED TO CHECK SERIAL NO. IS IT 6169471					<13	12-18-89	
										3.4	02-05-92	
84-D	D	484 AT-1	WESTINGHOUSE	6189418	OA/FA	5000	1318	13.8k	2400	68.9	12-18-89	
		Building No.: 484	Building Area:		Comments:					67.5	02-05-92	
84-D	D	Electrostatic Precipitator Roof of Powerhouse #3	RESEARCH-COTTRELL	SIRT-70-365	OA	64	176	400	53.5	<1	03-08-82	
		Building No.: 484	Building Area:		Comments: DECOMMISSIONED? IF SO, HOW AND WHEN?							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #3	RESEARCH-COTTRELL	SIRT-70-367	OA	64	176	400	53.5	<1	03-08-82	
		Building No.: 484	Building Area:		Comments: DECOMMISSIONED? IF SO, HOW AND WHEN?							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #4	RESEARCH-COTTRELL	SIRT-70-368	OA	64	176	400	53.5	<1	03-08-82	
		Building No.: 484	Building Area:		Comments: DECOMMISSIONED? IF SO, HOW AND WHEN?							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #4	RESEARCH-COTTRELL	SIRT-70-370	OA	64	176	400	53.5	<1	03-08-82	
		Building No.: 484	Building Area:		Comments: DECOMMISSIONED? IF SO, HOW AND WHEN?							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #3	RESEARCH-COTTRELL	SIRT-70-375	OA	64	176	400	53.5	<1	03-07-82	
		Building No.: 484	Building Area:		Comments: DECOMMISSIONED? IF SO, HOW AND WHEN?							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #4	RESEARCH-COTTRELL	SIRT-70-376	OA	64	176	400	53.5	<1	03-08-82	
		Building No. 484	Building Area:		Comments: DECOMMISSIONED? IF SO, HOW AND WHEN?							
84-D	D	Electrostatic Precipitator Roof of Powerhouse #1	RESEARCH-COTTRELL	SIRT-70-777	OA	64	176	400	53.5	<1	03-07-82	
										2	12-18-92	

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	RATING or SIZE	FLUID VOLUME(gals.) IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
484-D	D	T-3B East side of Power House	WESTINGHOUSE	5065974	OA/FA	10000	6978	115K	13K	08-07-81	3
Building No.: 484 Building Area:											
Equipment Type Code: T Equipment Type: TRANSFORMER											
484-D	D	T-3B East side of Power House	WESTINGHOUSE	5065974	OA/FA	10000	6978	115K	13K	12-14-92	3
Building No.: 484 Building Area:											
484-D	D	T-3B Tap Changer East side of Power House	WESTINGHOUSE	5065974	OA/FA	10000	147	115K	13K	08-10-81	8
Building No.: 484 Building Area:											
Comments: TC 254 IS BUILDING #484-D OR 451-D7											
484-D	D	T-2A East Side of Powerhouse	WESTINGHOUSE	5065975	OA/FA	10000	6978	115K	13.8K	08-10-81	3
Building No.: 484 Building Area:											
Comments: TC 95 OR 997 NEED TO CONFIRM TC NUMBER											
Had been at 622-G as pad spare. Previously AT 484-D as T-4A.											
484-D	D	T-1B	WESTINGHOUSE	5065976	CA	10000	6978	115K	13.8K	08-06-81	3
Building No.: 484 Building Area:											
Comments: TC 94											
484-D	D	T-1B EAST SIDE OF POWER HOUSE	WESTINGHOUSE	5065976	CA	10000	6978	115K	13.8K	11-07-91	3
Building No.: 484 Building Area:											
Comments: TC 94											
484-D	D	T-1B TAP CHANGER, EAST SIDE OF POWERHOUSE	WESTINGHOUSE	5065976	CA	10000	147	115K	13.8K	08-07-81	3
Building No.: 484 Building Area:											
Comments: TC 251; TAP COMP.											
484-D	D	T-1A East side of Power House	WESTINGHOUSE	5065977	SL	10000	6978	115K	13.8K	08-06-81	3
Building No.: 484 Building Area:											
Comments: TC 93											
02-05-92	<2										
11-07-91	<2										
03-02-90	<13										
02-16-90	<13										
02-05-92	<2										
03-02-90	<13										
02-16-90	<13										
04-13-85	1										
08-06-81	<1										
11-13-91	2.8										
04-21-90	<13										
02-16-90	<13										
04-13-85	3										
08-10-81	6										
12-15-92	5.1										
11-15-91	4.6										
04-20-90	<13										
08-10-81	8										
04-13-85	4										
08-07-81	8										
Building No.: 484 Building Area:											
Comments: TC 98											
SEE OTHER RECORDS FOR ADDITIONAL INFO.											
02-16-90	<13										
03-02-90	<13										
02-05-92	5.8										

LAYOUT 11

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
Building No.: 451			Building Area: 41		Comments: TC 33				67.5	11-11-91		
Building No.: 452			Building Area: 1		Comments: TC 22				69	02-23-93		
452-1D	D	North of 717-D	WAGNER	A9F1067	OA	750	400	13.8k	480	<1	09-1-81	3
Building No.: 452			Building Area: 1		Comments: TC 22				28	04-13-85		
Building No.: 452			Building Area: 1		Comments: TC 22				<13	02-21-90		
Building No.: 452			Building Area: 1		Comments: TC 22				19.2	11-18-91		
Building No.: 452			Building Area: 1		Comments: TC 22				20.2	12-17-92		
452-2D	D	Substation	KUHLMAN	B49557	OA	300	205	13.8k	480	2	09-01-81	3
Building No.: 452			Building Area: 2		Comments: TC 23; SPARE. HAD BEEN AT 622-G. NOT LOCATED DURING WALKDOWN ON 4/12/95; DECOMMISSIONED?				<13	12-11-89		
Building No.: 452			Building Area: 2		Comments: TC 23; SPARE. HAD BEEN AT 622-G. NOT LOCATED DURING WALKDOWN ON 4/12/95; DECOMMISSIONED?				4.4	11-12-91		
Building No.: 452			Building Area: 2		Comments: TC 23; SPARE. HAD BEEN AT 622-G. NOT LOCATED DURING WALKDOWN ON 4/12/95; DECOMMISSIONED?				4.5	02-23-93		
452-3D	D	West of 704-D	KUHLMAN	B50100	OISC	225	145	13.8k	480	42	09-01-81	
Building No.: 452			Building Area: 3		Comments: TC 32				<13	02-21-90		
Building No.: 452			Building Area: 3		Comments: TC 32				3.7	12-16-92		
452-4D	D	Substation - SOUTH 420-D	KUHLMAN	B50101	OA	225	145	13.8k	480	52	09-03-81	3
Building No.: 452			Building Area: 4		Comments: TC 31 TREATED IN NOVEMBER, 1981; EXACT DATE NOT RECORDED. SEE OTHER RECORD FOR MORE INFORMATION.				21	01-25-82		
Building No.: 452			Building Area: 4		Comments: TC 31 TREATED IN NOVEMBER, 1981; EXACT DATE NOT RECORDED. SEE OTHER RECORD FOR MORE INFORMATION.				31	09-03-82		
Building No.: 452			Building Area: 4		Comments: TC 31 TREATED IN NOVEMBER, 1981; EXACT DATE NOT RECORDED. SEE OTHER RECORD FOR MORE INFORMATION.				28.8	02-21-90		
Building No.: 452			Building Area: 4		Comments: TC 31 TREATED IN NOVEMBER, 1981; EXACT DATE NOT RECORDED. SEE OTHER RECORD FOR MORE INFORMATION.				46.9	11-18-91		
452-4D	D	Substation - SOUTH 420-D	KUHLMAN	B50101	OA	225	145	13.8k	480	45.1	12-17-92	3
Building No.: 452			Building Area: 4		Comments: TC 31 TREATED IN NOVEMBER, 1981; EXACT DATE NOT RECORDED. SEE OTHER RECORD FOR MORE INFORMATION.							
Building No.: 452			Building Area: 4		Comments: TC 31 TREATED IN NOVEMBER, 1981; EXACT DATE NOT RECORDED. SEE OTHER RECORD FOR MORE INFORMATION.							
Building No.: 452			Building Area: 4		Comments: TC 31 TREATED IN NOVEMBER, 1981; EXACT DATE NOT RECORDED. SEE OTHER RECORD FOR MORE INFORMATION.							
452-6D	D	Pole Mounted Transformer SW 452-6D (pole D7373)										
Building No.: 452			Building Area: 06		Comments: ADDED TO DATABASE 7/14/94 BASED ON LIST PROVIDED BY DAVID COLE IN D-AREA. NO OTHER IDENTIFYING INFO ON THE LIST. NEED MANUFACTURER, SERIAL NUMBER, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE & PCB STATUS.							
452-6D	D	Substation	KUHLMAN	B58009	OISL	30	43	13.8k	208-1200	3	09-02-81	
Building No.: 452			Building Area: 6		Comments:							
452-7D	D	On pole behind 701-2D	KUHLMAN	B43484	OISL	3	6.5	11		15	05-05-83	1
Building No.: 452			Building Area: 07		Comments: POLE 94Y?							
452-7D	D	On pole behind 701-2D	KUHLMAN	B47723	OISL	3	6.5	11		27	05-05-83	1
Building No.: 452			Building Area: 07		Comments: POLE 94Y?							

# AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
DECOMMISSIONED? IF SO, WHEN?												
412-D	D	WEST OUTDOOR/GROUND	WAGNER	K9E1022	OA/FA	7500	2210	13.8k	?	5	06-30-80	3
		Building No.: 412	Building Area:		Comments: TC 27					7	03-09-82	
					VERIFY SERIAL NUMBER. SOME OLD RECORDS REFERENCE A					<13	02-21-90	
					K931022 AT THIS LOCATION.					21.0	11-18-91	
					CHECK KVA RATING. NEED VOLTAGE OUT.					21.5	12-17-92	
412-D	D	WEST OUTDOOR/GROUND	WAGNER	K9E1022	OA/FA	7500		13.8k		7	03-09-82	
		Building No.: 412	Building Area:		Comments: TC 28 ; TAP COMP.					2.9	11-18-91	
					NOT IN DATABASE BEFORE 5/13/94 ;					2.4	12-16-92	
					CHECK SERIAL NUMBER - SHOULD IT BE K931022?							
					NEED FLUID VOLUME & VOLTAGE OUT.							
412-D	D	West End	WAGNER	M9E1025	OA	1250	500	4160	480	4	03-09-82	3
		Building No.: 412	Building Area:		Comments: TC 29					8	04-13-85	
					SEE OTHER RECORD FOR MORE INFORMATION.					<13	02-21-90	
										12.1	11-18-91	
										12.1	02/05/92	
412-D	D	West End	WAGNER	M9E1025	OA	1250	500	4160	480	11.8	12-17-92	3
		Building No.: 412	Building Area:		Comments: TC 29							
419-D	D	Pole D7367 S. of flare tower, 3 pole mounts										
		Building No.: 419	Building Area:		Comments: ADDED TO DATABASE 7/14/94 BASED ON LIST PROVIDED BY D. COLE IN D-AREA. NEED BLDG. NUMBER, MANUFACT., SERIAL #, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL & PHASES. LABELED NON-PCB (WALKDOWN, 4/12/95, NJL).							
	D	Pole D7356 S. of Flare Tower (3 pole-mounts)										
		Building No.: 419	Building Area:		Comments: ADDED TO DATABASE 7/14/94 BASED ON LIST PROVIDED BY D. COLE IN D-AREA. NEED MANUFACT., SERIAL #, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL & PHASES. LABELED NON-PCB (WALKDOWN, 4/12/95, NJL).							
419-D	D	Pole D7356 S. of Flare Tower (3 pole-mounts)										
		Building No.: 419	Building Area:		Comments: ADDED TO DATABASE 7/14/94 BASED ON LIST PROVIDED BY D. COLE IN D-AREA. NEED MANUFACT., SERIAL #, MODEL TYPE, KVA, FLUID VOLUME, VOLTAGE, PCB LEVEL & PHASES. LABELED NON-PCB (WALKDOWN, 4/12/95, NJL).							
420-3D	D	Pole 5XA (Serves 420-3D) Across from Monitoring	ABB	93A184771		15	11.4					
		Building No.: 420	Building Area: 3		Comments: ADDED TO DATABASE 7/20/94 PER RIGGSBEE MEMO OF 2-23-94. NEED MODEL TYPE VOLTAGE PCB LEVEL & PHASES							



# AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
 Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
										14.2	02-05-92	
151R	R	T-2; TAP COMP.	GE	B-529500	OAFAT	30000	325	115k	13.8k	14	08-11-81	3
Building No.: 151		Building Area:		Comments: TC 268; TAP COMP.; NOT IN DATABASE BEFORE 5/18/94 CHECK TC #: TC 269 LISTED BY E&I WITH # B529503 TAP.								
										11	04-13-85	
										<13	04-20-90	
										14.2	11-14-91	
										14.1	02-05-91	

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T												
Equipment Type: TRANSFORMER												
DG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
1-5K	K	K COOLING TOWER	HEAVY DUTY	GM123960	OA/FA	12000	4760	115k	4160	<2	02-22-93	3
Building No.: 151		Building Area: 5		Comments: NOT IN DATABASE BEFORE 5/16/94								
1-5K	K	K COOLING TOWER; TAP COMP.	HEAVY DUTY	GM123960	OA/FA	12000		115k	4160	<2	02-23-93	3
Building No.: 151		Building Area: 5		Comments: TAP COMP.; NOT IN DATABASE BEFORE 5/16/94 NEED FLUID VOLUME.								
1-5	K	K COOLING TOWER	HEAVY DUTY	GM123965		12000	4760	115k	4160	<2.0	02-22-93	3
Building No.: 151		Building Area: 5		Comments: NOT IN DATABASE BEFORE 5/16/94 NEED MODEL TYPE.								
1-5K	K	K COOLING TOWER; TAP COMP.	HEAVY DUTY	GM123965		12000		115k	4160	<2.0	02-22-93	3
Building No.: 151		Building Area: 5		Comments: NOT IN DATABASE BEFORE 5/16/94; TAP COMP. NEED MODEL TYPE AND FLUID VOLUME.								
1-1L	L	T-1	CE	B529504	OA/FA	30000	6800	115k	13.8k	16.1	02-17-93	3
Building No.: 151		Building Area: 1		Comments: TC 116 OR TC 115? - CHECK TC # SEE OTHER RECORDS FOR MORE INFORMATION.								
1-1L	L	T-1; TAP COMP.	CE	B529504	SL	30000	325	115k	13.8k	<13	03-05-90	3
Building No.: 151		Building Area: 1		Comments: TC 241; TAP COMP.								
										17.0	11-20-91	
										14.1	02-17-93	
1-1L	L	T-1	CE	B529504	OA/FA	30000	6650	115k	13.8k	18	08-10-81	3
Building No.: 151		Building Area: 1		Comments: TC 116 - VERIFY TC NUMBER. SEE OTHER RECORDS FOR MORE INFORMATION.								
										11	04-13-85	
										12.7	12-29-89	
										<13	04-20-90	
										17.6	11-20-91	
1-1L	L	T-2	CE	B529505	OA/FA	30000	6650	115k	13.8k	15	08-10-81	3
Building No.: 151		Building Area: 1		Comments: TC 115- IS THIS THE CORRECT TC #?								
										11	04-13-85	
										16.6	11-20-91	
										11.1	02-17-93	
1-1L	L	T-2; TAP COMP.	CE	B529505	SL	30000	325	115k	13.8k	<13	03-05-90	
Building No.: 151		Building Area: 1		Comments: TC 242; TAP COMP.; NOT IN DATABASE BEFORE 5/16/94								
										15.7	11-20-91	
										14.6	02-17-93	

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T

Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
681-3G	G	T2	CE	533576	OA/FA/T	20000	7670	115k	4160	7	09-04-81	
		Building No.: 681	Building Area: 03	Comments: VERIFY SERIAL NUMBER & TC #. THIS UNIT MAY ACTUALLY BE B533576; SEE RECORD ON THAT UNIT.								
681-3G	G	T2 tap changer	CE	533576	OA/FA/T	20000	400	115k	4160	19	09-04-81	
		Building No.: 681	Building Area: 03	Comments: VERIFY SERIAL NUMBER & TC #. THIS UNIT MAY ACTUALLY BE B533576; SEE RECORD ON THAT UNIT.								
681-3G	G	T-1 OUTDOOR/GROUND PUMPHOUSE	CE	B528845	SL	15000	7670	115k	13.8k	20	04-13-85	3
		Building No.: 681	Building Area: 3	Comments: TC 102								
										17.8	02-16-90	
										21.7	11-07-91	
										26.5	12-16-92	
681-3G	G	T-1 TAP. COMP.	CE	B528845	SL	15000	400	115k	13.8k	<13	04-20-90	3
		Building No.: 681	Building Area: 3	Comments: TC 264; NOT IN DATABASE BEFORE 5/16/94								
										3.0	11-07-91	
										3.3	12-16-92	
681-3G	G	T-2 OUTDOOR/GROUND PUMPHOUSE	CE	B533576	OA/FA	15000	7670	115k	13.8k	16	04-13-85	3
		Building No.: 681	Building Area: 3	Comments: TC 103								
										13.4	02-16-90	
										12.5	11-07-91	
										12.1	12-16-92	
681-3G	G	T-2 TAP COMP.	CE	B533576	OA/FA	15000	400	115k	13.8k	<13	04-20-90	3
		Building No.: 681	Building Area: 3	Comments: TC 263; NOT IN DATABASE BEFORE 5/16/94								
										13.6	11-07-91	
										18.8	12-16-92	
681-6	G	T-2H STATION 66	WESTINGHOUSE	5067067	OA/FA	12500	6978	115k	13.8k	2356	04-03-81	3
		Building No.: 681	Building Area: 6	Comments: TC 126 ; DECHLORINATED 02/27/82 (SUN OHIO). WHEN WAS SECOND TREATMENT/RETROFILLING?								
										2470	05-01-81	
										3564	07-31-81	
										120	08-05-82	
										19	04-13-85	
681-6	G	T-2H STATION 66	WESTINGHOUSE	5067067	OA/FA	12500	147	115k	13.8k	1843	04-03-81	3
		Building No.: 681	Building Area: 6	Comments: TAP COMP. ; DECHLORINATED 02/27/82 (SUN OHIO); PPM SEE OTHER RECORDS FOR MORE INFORMATION.								
										6.8	08-05-82	
										35.0	11-12-91	
										34.2	02-11-93	
681-6	G	T-2H STATION 66	WESTINGHOUSE	5067067	OA/FA	12500	6978	115k	13.8k	22.8	02-28-90	3
		Building No.: 681	Building Area: 6	Comments: TC 126								
										30.6	11-06-91	
										31.6	02-11-93	
681-6	G	T-1	CE	D203257	OA/FA	10000	4160	115k	4160	96	01-15-81	3

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
Building No.: 251			Building Area:	Comments: TC 257 TAP CHANGER NOT IN DATABASE UNTIL 5/13/94; TAP COMP.						4.0	12-05-91	
										4.2	02-23-93	
484-D	G	T-2A East Side of Powerhouse	WESTINGHOUSE	5065975	OA/FA	10000	6978	115k	13.8k	<2	02-11-93	3
Building No.: 484			Building Area:	Comments: TC 95 OR 99? NEED TO CONFIRM TC NUMBER. Had been at 622-G as pad spare. Previously AT 484-D as T-4A.								
622-G	G		WESTINGHOUSE	5066725	OA/FA	9375	7000	115k	13.8k	3	06-30-80	3
Building No.: 622			Building Area:	Comments: WAS AT 251-F (T1); TC 37 - CHECK TC #, SHOULD IT BE TC 247 FOR THE MAIN UNIT?						7	08-12-81	
										<13	04-20-90	
										7.2	11-26-91	
										7.0	02-23-93	
622-G	G	T1 Tap Changer	WESTINGHOUSE	5066725	OA/FA	9375	147	115k	13.8k	<1	08-12-81	3
Building No.: 622			Building Area:	Comments: WAS AT 251-F; TAP COMP.; TC 37 CHECK TC #; IS IT 37 OR 247?						<2	11-26-91	
										<2	11-24-92	
622-G	G	PAD SPARE	WESTINGHOUSE	5066726	OA	9375	7000	115k	13.8k	11	08-12-81	3
Building No.: 622			Building Area:	Comments: WAS AT 251-F (T2); TC 38 SEE OTHER RECORDS FOR MORE INFORMATION.						11	01-05-82	
										7	04-13-85	
										<13	04-20-90	
										5.2	11-13-91	
622-G	G	PAD SPARE TAP COMP.	WESTINGHOUSE	5066726	OA	9375	147	115k	13.8k	<13	04-20-90	
Building No.: 622			Building Area:	Comments: TC 246; NOT IN DATABASE BEFORE 5/13/94 SEE OTHER RECORDS FOR MORE INFORMATION.						<2	11-13-91	
										<2	02-11-93	
622-G	G	PAD SPARE	WESTINGHOUSE	5066726	OA	9375	7000	115k	13.8k	7	11-24-92	3
Building No.: 622			Building Area:	Comments: WAS AT 251-F (T2); TC 38 SEE OTHER RECORDS FOR MORE INFORMATION.								
622-G	G	SPARE	WESTINGHOUSE	5257-1	OA/FA	24000	6526	115k	13.8k	<13	04-20-90	3
Building No.: 622			Building Area:	Comments: SPARE; TC 218; NOT IN DATABASE BEFORE 5/13/94 G-AREA INVENTORY OF 3/91 INDICATES THIS IS PCB-CONTAMINATED--WHY?						<2	11-12-91	
										<2	02-23-93	
622-G	G	Pad Spare	CE	B528846	OA-FA-T	20000	7670	115k	4160	11	01-05-82	3
Building No.: 622			Building Area:	Comments: TC 100 ; SPARE						16	4-13-85	
										<13	04-20-90	

# AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T  
Equipment Type: TRANSFORMER

LDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
14-D	D	T-1B	WESTINGHOUSE	5065976	OA	10000	6978	115k	13.8k	2.8	11-13-91	
Building No.: 484			Building Area:		Comments: TC 94					<1	08-06-81	3
										1	04-13-85	
										<13	02-16-90	
										<13	03-02-90	
										<2	02-05-92	
										SEE OTHER RECORDS FOR ADDITIONAL INFORMATION.		
14-D	D	T-1B EAST SIDE OF POWER HOUSE	WESTINGHOUSE	5065976	OA	10000	6978	115k	13.8k	<1	11-07-91	3
Building No.: 484			Building Area:		Comments: TC 94					<2	12-15-92	
										SEE OTHER RECORDS FOR ADDITIONAL INFORMATION.		
14-D	D	T-1B TAP CHANGER, EAST SIDE OF POWER HOUSE	WESTINGHOUSE	5065976	OA	10000	147	115k	13.8k	<1	08-07-81	3
Building No.: 484			Building Area:		Comments: TC 251; TAP COMP.					<13	04-20-90	
										<2	11-07-91	
										<2	12-15-92	
										SEE OTHER RECORD FOR ADDITIONAL INFORMATION.		
14-D	D	T-1A East side of Power House	WESTINGHOUSE	5065977	SL	10000	6978	115k	13.8k	<1	08-06-81	3
Building No.: 484			Building Area:		Comments: TC 93					<13	02-16-90	
										<13	03-02-90	
										<2	11-07-91	
										<2	02-05-92	
										SEE OTHER RECORD FOR MORE INFORMATION.		
14-D	D	T-1A East side of Power House	WESTINGHOUSE	5065977	SL	10000	6978	115k	13.8k	<2	12-15-92	3
Building No.: 484			Building Area:		Comments: TC 93					<2	12-15-92	
										SEE OTHER RECORD FOR MORE INFORMATION.		
14-D	D	T-1A East side of Power House	WESTINGHOUSE	5065977	SL	10000	147	115k	13.8k	<1	08-06-81	
Building No.: 484			Building Area:		Comments: TC 250; TAP COMP.					<13	04-20-90	
										<2	11-07-91	
										<2	12-15-92	
										SEE OTHER RECORD FOR MORE INFORMATION.		
14-D	D	T-3A East side of Power House	WESTINGHOUSE	5065978	SL	10000	6978	115k	13.8k	6	08-07-81	
Building No.: 484			Building Area:		Comments: TC 97					2	04-13-85	
										<13	12-18-89	
										<13	02-16-90	
										<13	03-02-90	
										SEE OTHER RECORD FOR MORE INFORMATION.		
14-D	D	T-3A East side of Power House	WESTINGHOUSE	5065978	SL	10000	6978	115k	13.8k	8.1	02-05-92	
Building No.: 484			Building Area:		Comments: TC 97					0	11-07-91	
										8.1	12-14-92	

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

LDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.) IN	VOLTAGE CUT	LEVEL (PPM) PCB	DATE ANALYZED	PHASES	
22-G	A	T-1	WESTINGHOUSE	5065286	OA/F/A	5000	4180	115K	13.8K	ND	6-30-80	3
Building No.: 622 Building Area: 1 Comments: TC 14 SPARE PREVIOUSLY AT 752-3A, & 751-U PER G-AREA INVENTORY												
22-G	A	SPARE	WESTINGHOUSE	5066361	OA/F/A	12500	6978	115K	13.8K	7	08-06-81	3
Building No.: 622 Building Area: Comments: TC 68												
22-G	A	SPARE	WESTINGHOUSE	5066361	OA/F/A	12500	6978	115K	13.8K	5.5	12-14-92	3
Building No.: 622 Building Area: Comments: TC 68 SEE OTHER RECORD FOR MORE INFORMATION												
22-G	A	SPARE	WESTINGHOUSE	5066361	OA/F/A	12500	147	115K	13.8K	5.0	02-05-92	
Building No.: 622 Building Area: Comments: TC 260 TAP COMP. SEE OTHER RECORDS FOR MORE INFORMATION												
22-G	A	SPARE	WESTINGHOUSE	5066362	OA/F/A	12500	6978	115K	13.8K	<1	08-06-81	3
Building No.: 622 Building Area: Comments: TC 69 SEE OTHER RECORD FOR MORE INFORMATION												
22-G	A	SPARE	WESTINGHOUSE	5066362	OA/F/A	10000	6978	115K	13.8K	4.7	12-11-92	3
Building No.: 622 Building Area: Comments: TC 69 SEE OTHER RECORD FOR MORE INFORMATION												
22-G	A	SPARE	WESTINGHOUSE	5066362	OA/F/A	30000	6650	115K	13.8K	15	08-11-81	3
Building No.: 151 Building Area: 1 Comments: TC 76 O/A/F/A/T												
51-1C	C	T-1	GE	B529507	OA/F/A/T	30000	325	115K	13.8K	<13	04-20-80	3
Building No.: 151 Building Area: 1 Comments: TC 273; TAP COMP.												
51-1C	C	PAD	GE	B529507	OA/F/A/T	30000	325	115K	13.8K	<13	04-20-80	3
Building No.: 151 Building Area: 1 Comments: TC 273; TAP COMP.												

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT .

LAYOUT 11

Equipment Type Code: T  
 Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES
------	------	----------	--------------	---------------	---------------	--------------------	---------------------	------------	-------------	-----------------	---------------	--------

81-5G	G	T1	WESTINGHOUSE	6169410	OA/FA	1725	612	13.8k	480	15	09-04-81	3
-------	---	----	--------------	---------	-------	------	-----	-------	-----	----	----------	---

Building No.: 681

Building Area: 05

Comments: LOOKS THIS THIS ONE IS REALLY #6169440. VERIFY SERIAL NUMBER AND TC NUMBER.

AREAS A, C, CS, D, F, G, H, K, L, M, P, R, TC, & U TRANSFORMERS INPUT LAYOUT

LAYOUT 11

Equipment Type Code: T

Equipment Type: TRANSFORMER

BLDG	AREA	LOCATION	MANUFACTURER	SERIAL NUMBER	MODEL or TYPE	KVA RATING or SIZE	FLUID VOLUME(gals.)	VOLTAGE IN	VOLTAGE OUT	PCB LEVEL (PPM)	DATE ANALYZED	PHASES	
151-1C	C	T-1	GE	B529507	OA/F/AT	30000	6650	115k	13.8k	15	08-11-81	3	
Building No.: 151		Building Area: 1		Comments: TC 76						10	04-13-85		
										<13	03-05-90		
										18.1	11-23-91		
										18.5	02-22-93		
151-1C	C	PAD	GE	B529507	OA/F/AT	30000	325	115k	13.8k	<13	04-20-90	3	
Building No.: 151		Building Area: 1		Comments: TC 273; TAP COMP.							17.5	11-23-91	
										16.8	02-22-93		



# Lease of Transmission Facilities and Substations

## EXHIBIT C

### Accountable Property and Installed Equipment

Installed equipment and accountable property to be transferred to SCE&G as part of this lease shall generally include all such equipment within the facilities on the effective date of this lease, which are unique to the facilities, or which have no other use on SRS and minimum salvage value.

This exhibit includes a partial listing of equipment to be transferred. Because it is not possible to specifically list all such equipment and parts, additional equipment and inventory may be identified during the transition period. All electrical equipment used for operation and maintenance of the facilities will be transferred to SCE&G following normal property procedures.

Vehicles and portable equipment which may be used elsewhere at SRS are not included. Other vehicles and portable equipment will be disposed of through normal channels which may provide SCE&G with an opportunity to purchase.

**RECEIVED**

AUG 4 1995

**T&S OPERATIONS  
CENTRAL DIVISION**

EXHIBIT C

727-G : 5KV LI 5750K

5-17-95

<u>Poles</u> =	100'	:	4
	95'	:	3
	90'	:	4
	85'	:	4
	80'	:	4
	75'	:	7
<u>29' crossarms</u>		:	9
<u>17' X-braces</u>		:	70
<u>9' knee-braces</u>		:	12
<u>10" ball + socket balls</u>		:	244
<u>4V vibration dampers</u>		:	5
<u>336 MCM armor rods</u>		:	8
<u>336 Alum wire</u>		:	~ 500'
<u>1" bolts (20")</u>		:	5
<u>3/4" bolts (14")</u>		:	20
<u>LOCKE 115 KV SWITCH INSULATORS</u>		:	27
<u>8' Fiberglass guy sticks</u>		:	28

---

STEAM 1" TRAPS - 12

INTER-OFFICE MEMORANDUM  
Savannah River Site

15-May-1995 01:07pm EST

From: Robert P. Williams Jr.  
Dept: CSWE/E&I  
Tel : 7252897

( WILLIAMS-RP-06827 )

115 KV MAINTENANCE MATERIAL

We have been given direction to come up with a generic list of materials that are used to maintain the 115 kv system and the distribution steam system only. If the material or equipment is used on the 13.8 kv, or area steam systems, it should not be listed. Items should include repair materials, spare parts and test equipment. I'm sorry for the short notice, but I'll need this list by Wednesday, 5/17/95. Detail inventories, stores item numbers, or M&TE numbers are not required at this time. Steve will be getting with you to compile this data. I appreciate your cooperation in meeting this schedule.

Thanks,

Robert

TR 3100/3400

JOFFRA - Temperature calibrator

CINCINNATI Timer

Steve,

This is all I can  
think of!

Rob

Add Oil tanker

T-1

## SPARE 115KV TRANSFORMER NAMEPLATE DATA

Voltage Rating -  $115KV / \frac{V-13800}{GND} KV$   
Connection ( $\Delta-Y$ ,  $Y_2-\Delta$ ) etc. - H y X D  
~~AAVA~~ Rating - 10000/12500 KVA  
KVA  
% Z - 10.3%

Tap Changer Primary - Yes/No (circle)  
Tap Changer Secondary - Automatic/Manual (circle)

Serial # - 5066361

Mfg'er - Westinghouse

Majority, if not all transformers, are  
1950's vintage.

Contact:

TEL RAY 725-5890

T-2

SPARE 115KV TRANSFORMER NAMEPLATE DATA

Voltage Rating - 115KV / Y-13800 KV  
GLD

Connection ( $\Delta$ -Y,  $(Y-\Delta)$  etc.) - Hy XD

~~AAVA~~ Rating - 10000/12500KV-A  
KVA

%Z - 10.4%

Tap Changer Primary - Yes/No (circle)

Tap Changer Secondary - Automatic/Manual (circle)

Serial # - 5066362

Mfg'er - Westinghouse

AT

SPARE 115KV TRANSFORMER NAMEPLATE DATA

Voltage Rating - 115KV / 14400V KV

Connection ( $\Delta$ - $Y_2$ / $Y_2$ - $\Delta$ , etc.) - HD XY

~~AAA~~ Rating - 5000/6250 KV-A  
KVA

%Z - 4.6 %

Tap Changer Primary - Yes/No (circle)

Tap Changer Secondary - Automatic/Manual (circle)

Serial # - 5065286

Mfg'er - Westinghouse

SPARE 115KV TRANSFORMER NAMEPLATE DATA

Voltage Rating - 115KV /  $\frac{Y-4160}{GR}$  KV  
Connection ( $\Delta$ - $\frac{Y}{2}$ ,  $\frac{Y}{2}$ - $\Delta$ ) etc. - HV XD  
MVA Rating - 20000 KVA  
%Z - 7.83%

Tap Changer Primary -  / No (circle)  
Tap Changer Secondary -  / Manual (circle)

Serial # - B528846

Mfg'er - GENERAL ELECT.

SPARE 115KV TRANSFORMER NAMEPLATE DATA

Voltage Rating -  $115\text{KV} / \text{Y} \cdot 13800 \text{KV}$   
<sub>(GND)</sub>

Connection ( $\Delta$ - $\text{Y}$ ,  $\text{Y}$ - $\Delta$ , etc.) - H<sub>Y</sub>, X<sub>D</sub>

~~AAVA~~ Rating - 10000 KV-A  
KVA

%Z - 10.4%

Tap Changer Primary - Yes/No (circle)

Tap Changer Secondary - Automatic/Manual (circle)

Serial # - 5065973

Mfg'er - Westinghouse



SPARE 115KV TRANSFORMER NAMEPLATE DATA

Voltage Rating - 115KV / 13800 KV

Connection ( $\Delta$ - $Y_2$ / $Y_2$ - $\Delta$ , etc.) -  $\Delta$ - $Y$

AAVA Rating - 32000  
KVA

%Z - 11.71

Tap Changer Primary - Yes/No (circle)

Tap Changer Secondary - Automatic/Manual (circle)

Serial # - 5257-1

Mfg'er - Westinghouse

SPARE 115KV TRANSFORMER NAMEPLATE DATA

Voltage Rating - 115KV / 13.8 KV  
Connection ( $\Delta$ - $Y_2$ / $Y_2$ - $\Delta$ , etc.) - Y, D  
~~MVA~~ Rating - 7500/9375  
KV  
%Z - 10.5

Tap Changer Primary - Yes/No (circle)  
Tap Changer Secondary - Automatic/Manual (circle)

Serial # - 5066725  
Mfg'er - Westinghouse

SPARE 115KV TRANSFORMER NAMEPLATE DATA

Voltage Rating - 115KV / 138 KV

Connection ( $\Delta$ - $Y$ / $Y$ - $\Delta$ , etc.) - Y, D

AAVA Rating - 7500/9575

%Z - 12.6

Tap Changer Primary - Yes/No (circle)

Tap Changer Secondary - Automatic/Manual (circle)

Serial # - 5066726

Mfg'er - Westinghouse



# SRP - SPARE PARTS DATA

ELECTRICAL

PAGE 1 REVISION 1-17-80

For Spare Parts Information not shown below, refer to \_\_\_\_\_

APPROVALS	DATE
E. A. KNIGHT	
A. J. SCHWARTZBERGER	
STARTED / COMPLETED	10/27/52

ORIGINAL EQUIPMENT DATA	MANUFACTURER		VENDOR	
	GENERAL ELECTRIC COMPANY SCHENECTADY, NEW YORK		GENERAL ELECTRIC COMPANY	
	DU PONT ORDER NO. AXC 20164		MFGR'S ORDER NO.	
			VENDOR'S ORDER NO. N3V892	
	RPF No. 202022		VPF No.	
	DU PONT DWG. NOS.		MFGR'S DWG. NOS.	
		MFGR'S SERIAL NO. TYPICAL XNL		

QUANTITY	DESCRIPTION
	MOTOR, 1/2 HP, FRAME 56, 1725 RPM, 115/230 VOLT, 1 PHASE, 60 CYCLE, 7.8/3.9 AMP, OPEN TYPE, CONT. DUTY, S.F. 1.25, GODEL SOLID BASE,

MODEL 5KC37NN5X(C166) (OLD STYLE 5KC43MG1X)

REMARKS

FOR: TYPE MA-15 PNEUMATIC OPERATING MECHANISM

MFGR'S PARTS LIST REFERENCE	COMPLETE SPARE MACHINES REQUIRED
	THREE (3) - SEE BELOW

DS 1391: R1 SAR 29076; R2 SAR 55305; R3 SAR 60451; R4 AX286984; R5 AX 417084; R6 AX499674;

DU PONT PART NO.	INSPECTION REQUIRED		MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.	MIN.
	NO.	YES				
114			R1, 3, 4, 5, 6, MOTOR, AS DESCRIBED ABOVE	54- 4760.00	1	1

\*If item does not require inspection, insert an "X" in the "NO" column.  
 \*\*When item requires inspection, insert in "YES" column: "V" for Vendor's Plant Inspection Required, or for SRP Inspection Required.  
 Insert "S1" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the % of each quantity to be inspected. Include under MFGR'S  
 DU PONT PART NO. AND PART NUMBER the inspection item number from Engineer's Work Order Number.

## ADDITIONAL PARTS

(3a) PAGE 3 OF 4

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Cable</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>136X570G1</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Cable Assembly, For 3" Liquid Level Gauge 3 Prong</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 3445.00</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Relay</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>Model 12 HFA 51A51</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Auxiliary Relay, Type HFA, 230 Volts, 60Hz</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 31285.00</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Coil</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>355A772G11</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Coil for Type HRA Relay</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 8553.00</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Pressure Relief</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>211-006-02</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.

8. DESCRIPTION <b>Pressure Relief Device, Code 7.5, #W9257CT-2</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3110.32</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.

8. DESCRIPTION <b>Switch, Electrical Alarm, Single Pole, Double Throw, .15 AMP, 125 V. W/Mounting Brackets for Pressure Relief Device</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3110.34</b>
11. MAX / MIN <b>0 / 1</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Connector</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>136X570G21</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.

8. DESCRIPTION <b>Connector, With Pig Tail for Alarm Switch</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3110.36</b>
11. MAX / MIN <b>6 / 1</b>	12. COST

**SRP - SPARE PARTS DATA**

ELECTRICAL  
TRANSFORMER

EQUIP. NO. 151-1RPLKC-550.4

PAGE 2

REVISION 12-10-81

R1 SAR 12068; R2 SAR 42633; R3 SAR 48415; R4 SAR 55287; R5 AX 302224; R6 AX 315744;  
R7 SAR C0651; R8 SAR 81519; R9 SAR 90101; R10 AX 562540;

DU PONT PART NO.	INSPECTION REQUIRED		MFR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.	MIN.
	NO*	YES**				
109	X		RL, GASKET, RADIATOR	56-3110.37	3 <sup>20</sup>	4
110	X		RL, COMPOUND, 1 QT. CONTAINER #880	56-3110.16	2 1	1
115	X		RL,7, GAGE ASSEMBLY, CONSISTING OF GAGE, LIQUID LEVEL,  (E-9.375, A-12.375) #117K312G1			
			CABLE, (A-3/L-32, 250, D-0) #136XS70G1 CONNECTOR			
			#17CRF256, GASKET #12TYKP230 <i>w/float</i>	3K-013 56-3110.25	2 ✓	1
116	X		R2,4, GAGE, LIQUID LEVEL, 3" DIAL & PLUG-IN TYPE ALARM			
			RECEPTACLE, #123XL33GR1 <i>w/float</i>	3K-015 56-3110.26	2 ✓	1
117	X		R2,3, INDICATOR, LIQUID TEMPERATURE, TYPE AL, WITH CORR.			
			ASSY. & ALARM LEADS, #375CT98F22	3K-017 56-3110.27	2 0	1
118	X		R2,5, <i>face</i> RELAY, THERMAL INDICATING, TYPE AMR, <i>14507</i>			
			#681A299G13 WITH CABLE CONN. ASSY. #136X570G5	12P-246 55-31325.00	2 ✓	1
119	X		R4, CABLE ASSEMBLY, #136X570G1, FOR 3" LIQUID LEVEL			
			GAGE <i>3 pins</i>	7E-014 55-3445.00	2 ✓	1
120	X		R8, RELAY, AUXILIARY, TYPE HFA, MODEL 12 HFA 51A51			
			230 VOLTS, 60 HZ	55-31285.00	2	
121	X		R8, COIL, CAT. #355A772G11; 230 VOLT. FOR TYPE			
			HFA RELAY	55-8553.00	2 ✓	1
122	X	245 <sup>22</sup>	R9, DEVICE, PRESSURE RELIEF, CODE 7.5, #211-006-02,			
			#W9257CT-2 <i>22</i>	3L-200 56-3110.32	2 ✓	1
123	X	50 <sup>22</sup>	R9, SWITCH, ELECTRICAL ALARM, SINGLE POLE, DOUBLE			
			THROW, .15 AMP., 125 V. W/MOUNTING BRACKETS, FOR			
			PRESSURE RELIEF DEVICE	3L-003 56-3110.34	2 0	1
124	X		R9, 10, CONNECTOR, WITH PIG TAIL FOR ALARM SWITCH	3L-7 56-3110.36	2 0	1
			P/N 136X570G21			

\*If item does not require inspection, insert an "X" in the "NO" column.  
\*\*When item requires inspection, insert in "YES" column: "V" for Vendor's Plans Inspection Required, or for SRP Inspection Required.  
Insert "S1" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the % of each quantity to be inspected. Include under MFR'S

6245



TITLE OF PROJ. \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

SUBJECT \_\_\_\_\_

WORKS \_\_\_\_\_

COMPLETED \_\_\_\_\_

DATE \_\_\_\_\_

19 \_\_\_\_\_

# GF TRANSFORMERS

## GAUGES

Liquid Level  
3" w/flat

56-3110.26  
3K-015

2 in stock

GAGE, Assembly, Consisting  
of gage, connector,  
Cable, BASKET, 6"

56-3110.25  
3K-013

(3 in spare parts  
as of 6-2-87)

2 in stock

Liquid Temp. Indicator,  
TYPE AL  
w/conn. assy & Alum leads  
w/well (3 prong)

56-3110.27  
3K-018

6 NO in stock

Relay, Thermal Indicating  
TYPE AWR  
w/cable Assy (wind Temp)

55-31325.00  
12A-246

(2 on order in  
Spare Parts as of  
6-2-87)

2 in stock

CABLE Assembly  
for 3" Liquid Level  
(3 prong)

55-3445.  
7E-014

(2 in spare parts  
as of 6-2-87)

2 in stock

Connector / Pig tail  
(3 prong)

56-3110.34  
3L-7

1 in stock

TITLE OF PROJ. \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

SUBJECT \_\_\_\_\_

WORKS \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

19 \_\_\_\_\_

Vacuum / Pressure Gauge

+15 PSI / -15 VAC

56-3998.

3K-042

(F: A)

3 in stock

I<sup>2</sup> Stock  
3

Westinghouse

Indicator, Liquid Temp, 0-160°C  
for 7500 / 9375 KVA TRANSFORMER

56-3310.10

3M-205

0 in stock

Indicator, Liquid Level, (High - Low) 6"

56-3310.20

3M-210

2 in stock

**SPARE PARTS DATA**

DATA SHEET (DS)       STOCK ADJUSTMENT REQUEST (SAR)

<input type="checkbox"/> ELECTRICAL	<input type="checkbox"/> INSTRUMENTS
<input type="checkbox"/> MECHANICAL	<input type="checkbox"/> EXTRA MACHINERY
<b>B</b> SETUP CODE	<b>Ba</b> PAGE OF

<b>C</b> BUILDING, AREA, & EQUIPMENT NO. 251-FH-550.5	<b>D</b> RESPONSIBLE WORK GROUPS
--	----------------------------------

<b>F</b> ORIGINAL DS OR SAR NUMBER SAR-834	<b>G</b> FOR SPARE PARTS INFORMATION NOT SHOWN BELOW REFER TO BUILDING, AREA, & EQUIPMENT NO.
---	---

<b>H</b>	<input type="checkbox"/> DELETE FROM ABOVE EP NO.	<input type="checkbox"/> CHANGE DESCRIPTION	<input type="checkbox"/> ADD NEW ITEM(s)
	<input type="checkbox"/> EXCESS FROM STOCK	<input type="checkbox"/> ADD INFORMATION	<input type="checkbox"/> FOR RECORD ONLY
	<input type="checkbox"/> CHANGE MAX/MIN	<input type="checkbox"/> OTHER	

<b>MAJOR EQUIPMENT DATA</b>	<b>I</b> MANUFACTURER Westinghouse	<b>J</b> VENDOR	
	<b>K</b> AXC	<b>L</b> MANUFACTURER'S ORDER NO.	<b>M</b> BPF NO.
	<b>N</b> SRS DRAWING/SPECIFICATIONS/PROJECT NUMBER	<b>MANUFACTURER'S NUMBERS</b>	
		<b>O</b> DRAWING NO.	
		<b>P</b> SERIAL NUMBER	
		<b>Q</b> MODEL NUMBER	

<b>R</b> MAJOR EQUIPMENT DESCRIPTION KEYWORD	ADJECTIVE
Transformer	Power
7500/9375 KVA, 115/11.8 KV, Type SL, 3 Phase, 60 Cycle	
These transformers now in 400-D (2) T4a&B and at Central Shops -X-former Pad	

<b>Ra</b> COMMODITY CODE			
<b>S</b> ORIGINATOR		<b>T</b> APPROVALS	
NAME	DEPARTMENT	OPERATIONS	MAINTENANCE
PHONE	DATE	BLDG NO. & AREA	



ADDITIONAL PARTS

(2) ITEM DESCRIPTION 1. KEY NOUN <b>Contact</b> 2. ADJECTIVE <b>Stationary</b>	
3. MANUFACTURER CODE OR NAME ADDRESS <b>Westinghouse</b> PHONE NUMBER	4. SUGGESTED VENDOR ADDRESS PHONE NUMBER
5. MANUFACTURER P/N <b>7D5264G01</b>	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Contact, Stationary, Arcing, DWG. #29A1973</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 16400.00</b> 12. COST
11. MAX / MIN <b>10 / 2</b>	

(2) ITEM DESCRIPTION 1. KEY NOUN <b>Contact</b> 2. ADJECTIVE <b>Moving</b>	
3. MANUFACTURER CODE OR NAME ADDRESS <b>Westinghouse</b> PHONE NUMBER	4. SUGGESTED VENDOR ADDRESS PHONE NUMBER
5. MANUFACTURER P/N <b>7D5244G01</b>	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Contact, Moving, Arcing, DWG #29A1973</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 16410.00</b> 12. COST
11. MAX / MIN <b>2 / 1</b>	

(2) ITEM DESCRIPTION 1. KEY NOUN <b>Relay</b> 2. ADJECTIVE	
3. MANUFACTURER CODE OR NAME ADDRESS <b>Westinghouse</b> PHONE NUMBER	4. SUGGESTED VENDOR ADDRESS PHONE NUMBER
5. MANUFACTURER P/N <b>1511723</b>	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Relay, Voltlage, Reg. with Compensator, 120 V. 60 CY, S.U. Primary                  DWg #513644</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 34750.00</b> 12. COST
11. MAX / MIN <b>2 / 0</b>	

ADDITIONAL PARTS

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Relay</b>	2. ADJECTIVE <b>Auxiliary</b>
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>606B860A12</b>	7. SRS DRAWING / SPECS.
6. SIZE	8. DESCRIPTION <b>Relay, Aux. Type S.V.C. 115 V., 60 Cy West S. O., DWG #513644</b>
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 34760.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Relay</b>	2. ADJECTIVE <b>Time Delay</b>
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>1961975</b>	7. SRS DRAWING / SPECS.
6. SIZE	8. DESCRIPTION <b>Relay, Time Delay, Type TH, Duplex, 15/90 Seconds, 120 Volt, 60 Cycle DWG #513644 (Replaces Style 1339370, New Style with Fit S-10 Case</b>
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 34740.00</b>
11. MAX / MIN <b>1 / 0</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Relay</b>	2. ADJECTIVE <b>Auxiliary</b>
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>1008539-A</b>	7. SRS DRAWING / SPECS.
6. SIZE	8. DESCRIPTION <b>Relay, Aux. 115 V. Type S.G. 50/60 CY. West S.G., DWG #513644</b>
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 34730.00</b>
11. MAX / MIN <b>10 / 0</b>	12. COST

ADDITIONAL PARTS

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contactor</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>1249347</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Contactor Class 15-820 SN-00 DWG #513644</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 33699.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Breaker</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>369D667G01</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Breaker Type AB, 10 AMP, 2 Pole, DWG #1210163-D</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 2930.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Relay</b>	2. ADJECTIVE <b>Auxiliary</b>
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>1008539-A West</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Relay, Aux, Type SG 115 V 60CY SG DWG#24B3415</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 34730.00</b>
11. MAX / MIN <b>10 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contact</b>	2. ADJECTIVE <b>Stud</b>
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>1646175</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Stud, Contact, West</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 16969.00</b>
11. MAX / MIN <b>1 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>1646166</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Switch Assy. West</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 50060.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Spacer</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>1408926</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Spacer</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3300.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST



## ADDITIONAL PARTS

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Spacer</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>1408928</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Spacer</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3310.00</b>
11. MAX / MIN <b>10 / 0</b>	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Cam</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>1590806</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Cam</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3150.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Wire</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>8241-12</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>500' of 19.0185</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3340.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

## ADDITIONAL PARTS

<b>(2) ITEM DESCRIPTION</b>		2. ADJECTIVE
1. KEY NOUN Hardware	4. SUGGESTED VENDOR	
3. MANUFACTURER NAME OR NAME Westinghouse	ADDRESS	
PHONE NUMBER	PHONE NUMBER	
5. MANUFACTURER P/N	7. SRS DRAWING / SPECS.	
6. SIZE		
8. DESCRIPTION Hardware		
9. SRS-EMS NO.	10. CAPTION / ITEM 56 /	12. COST 3210.00
11. MAX / MIN 1 Bar / 0		

<b>(2) ITEM DESCRIPTION</b>		2. ADJECTIVE Temperature
1. KEY NOUN Indicator	4. SUGGESTED VENDOR	
3. MANUFACTURER CODE OR NAME Westinghouse	ADDRESS	
PHONE NUMBER	PHONE NUMBER	
5. MANUFACTURER P/N 53B9985G01	7. SRS DRAWING / SPECS.	
6. SIZE		
8. DESCRIPTION Temperature Indicator Dial Type 0-160 Degree 0		
9. SRS-EMS NO.	10. CAPTION / ITEM 56 /	12. COST 3310.10
11. MAX / MIN 0 / 1		

<b>(2) ITEM DESCRIPTION</b>		2. ADJECTIVE Liquid
1. KEY NOUN Indicator	4. SUGGESTED VENDOR	
3. MANUFACTURER CODE OR NAME Westinghouse	ADDRESS	
PHONE NUMBER	PHONE NUMBER	
5. MANUFACTURER P/N 53B2D55H13	7. SRS DRAWING / SPECS.	
6. SIZE		
8. DESCRIPTION Liquid Level Indicator, Magnetic Type With Connector Assembly for Alarm West		
9. SRS-EMS NO.	10. CAPTION / ITEM 56 /	12. COST 3310.20
11. MAX / MIN 2 / 1		

ADDITIONAL PARTS

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN Indicator	2. ADJECTIVE Liquid
3. MANUFACTURER CODE OR NAME Westinghouse	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 7663077G03	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Indicator, Liquid Level, Magnetic Type 766077G03 Cable #272C569H01 Gromet #7663D57H15, Grip Cable #766305H01	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3310.20
11. MAX / MIN 2 / 1	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION	
9. SRS-EMS NO.	10. CAPTION / ITEM /
11. MAX / MIN /	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION	
9. SRS-EMS NO.	10. CAPTION / ITEM /
11. MAX / MIN /	12. COST

ADDITIONAL PARTS

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION	
9. SRS-EMS NO.	10. CAPTION / ITEM
11. MAX / MIN	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION	
9. SRS-EMS NO.	10. CAPTION / ITEM
11. MAX / MIN	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION	
9. SRS-EMS NO.	10. CAPTION / ITEM
11. MAX / MIN	12. COST

APPROVALS	DATE
R. L. HILL	6-10-5

For Spare Parts Information not shown below, see

ORIGINAL EQUIPMENT DATA	MANUFACTURER	WATTINGHOUSE		VENDOR	WATTINGHOUSE ELECTRIC CORP. BRIDGE PLANT, TRANS. DIV. BRIDGE, PA.	
	CU FRONT ORDER NO.	AXC 2172-1/2		MFGR'S ORDER NO.	SHOP ORDER #12-5352	
	BPF No.			VPF No.		
	CU FRONT Dwg. NOS.			MFGR'S Dwg. NOS.		
				MFGR'S SERIAL NO.	5066726	

QUANTITY	DESCRIPTION
4	TRANSFORMER, POWER, 7500/9375 KVA, 115/11.8 KV. TYPE - SL, 3 PHASE, 60 CYCLE.

REMARKS  
 → These transformers now in 400-D (2) T4A & B  
 and at central shops - X-Formu Pad

MFGR'S PARTS LIST REFERENCE	COMPLETE SPARE MACHINES REQUIRED
DS 951: R1 SAR 57908; R2 SAR 65902; R3 SAR 65908; R4 SAR 72233; R5 SAR 78804; R6 SAR 78804; R7 AX480181;	NONE

COMPONENT PART NO.	INSPECTION REQUIRED	MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.
101	X	R1, 3, 6, 7. CONTACT, STATIONARY, ARCING, DWG. #29A1973 STYLE #7D5264G01	55-16400.00	10 6
102	X	R1, 6, 7, CONTACT, MOVING, ARCING, DWG. #29A1973, STYLE #7D5264G01	55-16410.00	2 ✓
106		RELAY, VOLTAGE REG. W/ COMPENSATOR, 120 V., 60 CY., S.U. PRIMARY, DWG. #513614, STYLE #1511723	55-34750.00	2 ✓
108		RELAY, AUX., TYPE S.V.C., 115 V., 60 CY., STYLE 6052260A12, WHT. S. O., DWG. #513614	55-34760	2 ✓

\*If item does not require inspection, insert an "X" in the "X" column.  
 \*When item requires inspection, insert an "I" in the "X" column. \*If a Vendor's Plant Inspection Required, or for SRP Inspection Required, insert "SI" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the # of each quantity to be inspected. Include under MFGR'S PART NAME AND PART NUMBER the inspecting Area or Vendor's 3 or 4 Class Number.

SRP - SPARE PARTS DATA

ELECTRICAL  
 TRANSFORMER, POWER  
 7500/9375 KVA

PAGE 1-A

REVISION 2/01

DS 951: RL SAR 40813;

DUPONT PART NO.	INSPECTION REQUIRED		MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.
	NO*	YES**			
107			RL, RELAY, TIME DELAY, TYPE TH, DUPLEX, 15/90 SECONDS		
			120 VOLT, 60 CYCLE, DWG. 513644, STYLE 1961975		
			(REPLACES STYLE 1339370, NEW STYLE WILL FIT		
			S-10 CASE)	55-34740.00	1 ✓

\*If item does not require inspection, insert an "X" in the "NO" column.  
 \*\*When item requires inspection, insert in "YES" column: "V" for Vendor's Plant Inspection Required, or for SRP Inspection Required, insert "S1" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the % of each quantity to be inspected. Include under MFGR'S PART NAME AND PART NUMBER the inspecting Area Engineer's Work Group Number.

DS 951: R1 SAR 15283; R2 SAR 42634; R3 SAR 52890; R4 AX 301771; R5 AX 342604;  
R6 AX 353534; R7 SAR 83438; R8 AX 324852; R9 SAR 72233; R10 SAR 84057;

DU PONT PART NO.	INSPECTION REQUIRED NO. YES	MFR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.	MIN.
109		RELAY, AUX., 115 V. TYPE S.G. 50/60 CY. WEST.			
		S.G., DWG. #513644 - STYLE #1008539-A	55-34730	10 3	0
		CONTACTOR, CLASS 15-820-STYLE 1249347 SN-00,			
		DWG. #513644	55-33699	2	
111	X	R10, BREAKER, TYPE AB, DWG. #513644 - STYLE #1532392A,			
		15 A.P., 3 POLE, WEST.	55-2950	2	0
112		R4, BREAKER, TYPE AB, DWG. #513644 - STYLE #369D667G01,			
		10 A.P., 2 POLE	55-2930	2	0
113		RELAY, AUX., 115 V., TYPE SG 60 CY S.G., DWG.			
		#24B3415 - STYLE #1210163-D	55-34720	1	0
114		BREAKER, AB, DWG. #24B3415, STYLE #1532382AC1 WEST.	55-	2	0
115		RELAY, AUX., TYPE SG, 115 V. 60 CY., S.G. DWG.			
		#24B3415, STYLE #1008539-A WEST.	55-34730	10 3	0
116		BREAKER, AB, DWG. #24B3415 - STYLE #999082		2	0
118		R1, STUD, CONTACT, WEST. #1646175	55-16960	1	0
119	X	R1, 7, SWITCH ASSY., WEST. #1646166	55-50060	2 3	0
120	X	R1, 7, SPACER #1408926	56-3300	2 3	0
121		R1, SPACER #1408928	56-3310	10 3	0
122	X	R1, 7, CAM #1590805	56-3150	2 2	0
123	X	R1, 7, WIRE, 500' of 19-.0185, #8241-12	56-3340	2 3	0
124		R1, HARDWARE	56-3210	BAG 1	0
125		R2, 0, INDICATOR, TEMPERATURE, DIAL, TYPE O-160 DEGREE O			
		#53B9985G01	56-3310.20	0	1
126		R2, 8, 9, INDICATOR, LIQUID LEVEL, MAGNETIC TYPE WITH			
		CONNECTOR ASSEMBLY FOR ALARM WEST. #5382D55H13	56-3310.20	2	1

\*If item does not require inspection, insert an "X" in the "AO" column.

\*\*When item requires inspection, insert in "YES" column: "1" for Vendor's Plant Inspection Required, or for SRP Inspection Required.  
... for Class 2, or "5" for Class 1, and the % of each quantity to be inspected. Include under MFR'S

**SRP - SPARE PARTS DATA** ELECTRICAL TRANSFORMERS, POWER

R1 SAR 42634; R2 AX 324852; R3 SAR 72233; R4 SAR 94220;

DUPONT PART NO.	INSPECTION REQUIRED		MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.	M
	NO*	YES**				
126	X		R1, 2, 3, 4, INDICATOR, LIQUID LEVEL, MAGNETIC TYPE			
			#7663077G03, CABLE #272C569H01, GROMET			
			#7663D57H15, GRIP CABLE #7663057H01	56-3310.20	2 <sup>✓</sup>	

\*If item does not require inspection, insert an "X" in the "NO" column.  
 \*\*When item requires inspection, insert in "YES" column: "V" for Vendor's Plant Inspection Required, or for SRP Inspection Required, insert "S1" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the % of each quantity to be inspected. Include under MFGR'S PART NAME AND PART NUMBER the inspecting Area Engineer's Work Order Number.



**SRP - SPARE PARTS DATA**

Spare Parts Order No. AXC. \_\_\_\_\_

APPROVALS	DATE
OPER.	
MAINT.	
ELECT.	PHILLIPS 3-13-53

ELECTRICAL

Equip. No. 681-1&3G-550.2

Caplion No. 2-56 Page 1 Revision #4

For Spare Parts Information not shown below,  
refer to R1  
151-1RPLKC-550.4

Manufacturer:

GENERAL ELECTRIC COMPANY  
SCHENECTADY, NEW YORK

Vendor:

GENERAL ELECTRIC COMPANY

**ORIGINAL EQUIPMENT DATA**

Du Pont Order No. AXC. 20764  
 Du Pont Inquiry No. 24  
 BPF No. 202269  
 Du Pont  
 Dwg. Nos. \_\_\_\_\_

Date of Order 12-31-51  
 Vendor's Order No. \_\_\_\_\_  
 Mfg.'s Dwg. Nos. \_\_\_\_\_  
 Mfg.'s Order No. \_\_\_\_\_  
 Mfg.'s Serial No. R3  
B-528845 thru 8

Quantity 2 Description TRANSFORMER, 15000/20000 KVA, 115/4.16 KV, 3 PHASE,  
60 CYCLES, CLASS OA-FA-T-60

Remarks: \_\_\_\_\_

R4  
 R2 Mfg.'s parts list reference: G.E. INSTRUCTION BOOK #GEI-37415

Complete spare machines required: ONE (1) - BY DESIGN ON AXC 20764  
DS 290 5-14-53; R1 SAR 6587 6-18-54; R2 SAR 28195 1-7-58; R3 SAR 12067 2-21-58; R4 SAR  
12020 10-13-58;

	MFG.'S PART NAME AND PART NO.	DU PONT PART NO.	PARTS INV.	STORES INV.	MIN.	MAX.
R2	TRANSFORMER, AS DESCRIBED ABOVE	101	X	EM	DNR	1
R3	BASKET, DOOR, TAP SELECTOR & CONTACTOR COMPARTMENT	102	X			<u>14</u>
R3	CONTACT, STATIONARY & MOVING (FOR G.E. CONTACTOR					
R4	(R65) #V-8380576P21	EMS 105-151-1	X	RPLKC-550.4		<u>3545</u>
R4	GASKETS, COMPLETE SET FOR CAT.2B865 SEC. BUSHING	105	X			

R3: OLD EMS 102 thru 195 DELETED--ALL ITEMS ASSEMBLED WITH AND PART OF TRANSFORMER.

### SPARE PARTS DATA

DATA SHEET (DS)       STOCK ADJUSTMENT REQUEST (SAR)

ELECTRICAL       INSTRUMENTS  
 MECHANICAL       EXTRA MACHINERY

SETUP CODE       PAGE **(B)** OF  
 RESPONSIBLE WORK GROUPS

**(C)** BUILDING, AREA & EQUIPMENT NO  
251-F-H-550.5

**(D)** RESPONSIBLE WORK GROUPS

**(E)** ORIGINAL DS OR SAR NUMBER  
SAR-15283

**(G)** FOR SPARE PARTS INFORMATION NOT SHOWN BELOW REFER TO:  
BUILDING, AREA & EQUIPMENT NO.

**(H)**

<input type="checkbox"/> A DELETE FROM ABOVE EP NO.	<input type="checkbox"/> D CHANGE DESCRIPTION	<input type="checkbox"/> G ADD NEW ITEM(S)
<input type="checkbox"/> B EXCESS FROM STOCK	<input type="checkbox"/> E ADD INFORMATION	<input type="checkbox"/> H FOR RECORD ONLY
<input type="checkbox"/> C CHANGE MAX/MIN	<input type="checkbox"/> F OTHER	

**(I)** MANUFACTURER      **(J)** VENDOR

Westinghouse

**(K)** AXC 21731      **(L)** SRF NO. 202313, 4, 5

**(N)** SRS DRAWING/SPECIFICATIONS/PROJECT NUMBER      **(O)** DRAWING NO.      **(P)** SERIAL NUMBER      **(Q)** LOG# NUMBER      **(R)** MANUFACTURERS NUMBERS

#### MAJOR EQUIPMENT DATA

**(B)** MAJOR EQUIPMENT DESCRIPTION      **(A)** ADJECTIVE

Transformer      Power

7500/9375KVA, 115/13.8KV, Type SL, 3 Phase, 60 Cycle

**(R)** COMMODITY CODE

**(3)** ORIGINATOR      **(T)** OPERATIONS      APPROVALS

DEPARTMENT      GUID NO. & AREA      MAINT/AREA#

PHONE      DATE



ADDITIONAL PARTS

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN: <u>Contact</u>	2. ADJECTIVE <u>Stationary</u>
3. MANUFACTURER CODE OR NAME <u>Westinghouse</u>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <u>Style 1408576</u>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <u>Contact, Stationary, Arcing DWG# 29A1973 Dupont 101</u>	
9. SRS-EMS NO.	10. CAPTION / ITEM <u>/</u>
11. MAX / MIN <u>6 / 2</u>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Contact</u>	2. ADJECTIVE <u>Moving</u>
3. MANUFACTURER CODE OR NAME <u>Westinghouse</u>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <u>Style 1408845</u>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <u>Contact, Moving, Arcing DWG# 29A1973 Dupont No. 102</u>	
9. SRS-EMS NO.	10. CAPTION / ITEM <u>/</u>
11. MAX / MIN <u>2 / 1</u>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Relay</u>	2. ADJECTIVE <u>Counter</u>
3. MANUFACTURER CODE OR NAME <u>Westinghouse</u>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <u>Style 1590745</u>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <u>Relay, Counter, Timing DWG# 26A4562 Dupont No. 103</u>	
9. SRS-EMS NO.	10. CAPTION / ITEM <u>/</u>
11. MAX / MIN <u>1 / 0</u>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN Capacitor	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME Westinghouse	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N Style 1247104	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Capacitor DWG #26A4562 Dupont No. 104	
9. SRS-EMS NO.	10. CAPTION / ITEM /
11. MAX / MIN 2 / 0	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN Relay	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME Westinghouse	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N Style 1511723	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Relay S.U. Primary DWG #513644 Dupont No. 106	
9. SRS-EMS NO.	10. CAPTION / ITEM /
11. MAX / MIN 2 / 0	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN Relay	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME Westinghouse	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N Style 1339370	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Relay T.H.Dwg #513644	
9. SRS-EMS NO.	10. CAPTION / ITEM /
11. MAX / MIN 1 / 0	12. COST

## ADDITIONAL PARTS

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Relay</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME NAME <u>Westinghouse</u>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <u>Style 133970</u>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <u>Relay S.G. DWG #513644</u> <u>Dupont No. 108</u>	
9. SRS-EMS NO.	10. CAPTION / ITEM <u>/</u>
11. MAX / MIN <u>2 / 0</u>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Contactors</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME NAME <u>Westinghouse</u>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <u>Style 1198143-B</u>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <u>Contactor, SN-00, DWG #513644</u> <u>Dupont 110</u>	
9. SRS-EMS NO.	10. CAPTION / ITEM <u>/</u>
11. MAX / MIN <u>2 / 0</u>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Breaker</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME NAME <u>Westinghouse</u>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <u>Style 153238</u>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <u>Breaker, AB, DWG#513644</u> <u>Dupont No. 114</u>	
9. SRS-EMS NO.	10. CAPTION / ITEM <u>/</u>
11. MAX / MIN <u>2 / 0</u>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Relay</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>Style 1008539</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Relay, S.G. DWG #513644</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>/</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>1646166</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Switch Assys</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>/</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Spacers</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>1408926</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Spacers</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>/</b>
11. MAX / MIN <b>1 / 0</b>	12. COST

## ADDITIONAL PARTS

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Spacers</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>1408928</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Spacers</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>/</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Cams</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>1590806</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Cams</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>/</b>
11. MAX / MIN <b>1 / 0</b>	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Wire</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>Westinghouse</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>8241-12</b>	7. SRS DRAWING / SPECS.
6. SIZE <b>500'</b>	
8. DESCRIPTION <b>Wire 500' of 19-.0185</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>/</b>
11. MAX / MIN <b>1 / 0</b>	12. COST



ADDITIONAL PARTS

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN Hardware	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME ADDRESS PHONE NUMBER Westinghouse	4. SUGGESTED VENDOR ADDRESS
5. MANUFACTURER P / N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Hardware	
9. SRS-EMS NO.	10. CAPTION / ITEM /
11. MAX / MIN 1 bag / 0	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME ADDRESS PHONE NUMBER	4. SUGGESTED VENDOR ADDRESS
5. MANUFACTURER P / N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION	
9. SRS-EMS NO.	10. CAPTION / ITEM /
11. MAX / MIN /	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME ADDRESS PHONE NUMBER	4. SUGGESTED VENDOR ADDRESS
5. MANUFACTURER P / N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION	
9. SRS-EMS NO.	10. CAPTION / ITEM /
11. MAX / MIN /	12. COST

**SRP - SPARE PARTS DATA**

*Revision 25/*

Equip. No. 251 F-H-550.5

Spare Parts Order No. AXC. \_\_\_\_\_

Caption No. \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

For Spare Parts Information not shown below,

refer to \_\_\_\_\_

APPROVALS	DATE
OPER.	
MAINT.	
<i>R.L. Hill</i>	<i>6/10/53</i>

Manufacturer: \_\_\_\_\_

Vendor: \_\_\_\_\_

*Tender*

*Spotting Board Glass Cover.  
Exposed Board, Board & Wire.  
Shower, Pump.*

Du Pont Order No. AXC. 2173 1/2

Date of Order \_\_\_\_\_

Du Pont Inquiry No. GH-24

Vendor's Order No. \_\_\_\_\_

BPF No. 202313, 4, 5

Mfg'r's Dwg. Nos. \_\_\_\_\_

Du Pont

Dwg. Nos. \_\_\_\_\_

Mfg'r's Order No. \_\_\_\_\_

Mfg'r's Serial No. \_\_\_\_\_

**ORIGINAL EQUIPMENT DATA**

Quantity 4 Description Transformers, Power, 7500/9375 KV/9, 15/13.8 kV  
Type SL, 3 Phase, 60 cycle

Remarks: \_\_\_\_\_

Mfg'r's parts list reference: \_\_\_\_\_

Complete spare machines required: \_\_\_\_\_

*None*

*R1 SRE 15283 1-1454*

MFGR'S PART NAME AND PART NO.	DU PONT PART NO.	PARTS INV.	STORES INV.	MIN.	MAX.
<i>Contact, Stationary, Drawing Aug. # 29A1973</i>	<i>101</i>	<i>X</i>	<i>4/2</i>	<i>4/2</i>	<i>54</i>
<i>Style 1408596</i>					
<i>Contact, Moving, Drawing, Aug. 29A1973</i>	<i>102</i>	<i>X</i>	<i>2/1</i>	<i>6</i>	<i>18</i>
<i>Style 1408845</i>					
<i>Relay, Contact &amp; Timing, Aug. 26A4562</i>			<i>200/110</i>		
<i>Style 1590745</i>	<i>103</i>		<i>CHARLETTED</i>	<i>0</i>	<i>2</i>
<i>Capacitor, Aug. 26A4562, Style 1247104</i>	<i>104</i>	<i>X</i>		<i>0</i>	<i>2</i>
<i>Resistor, Aug. 26A4562, Style 1590776</i>	<i>105</i>	<i>X</i>		<i>0</i>	<i>2</i>



# SRP - SPARE PARTS DATA

EQUIP. NO. 151-2L 6000-600-60

PAGE 1 of 2 REVISION 0

For Spare Parts Information not shown below, refer to:

APPROVALS	DATE
<i>[Signature]</i>	12/3/83
<i>L. E. Shelton</i>	3/9/84
<i>[Signature]</i>	1/19/84

<b>ORIGINAL EQUIPMENT DATA</b>	MANUFACTURER General Electric		VENDOR --
	Three Penn Center Plaza Philadelphia, PA 19102		
	DU PONT ORDER NO. AXC 3102W	MFGR'S ORDER NO. --	VENDOR'S ORDER NO. --
	BPF No. 213449	VPF No. --	
	DU PONT DWG. NOS.	MFGR'S DWG. NOS.	
		MFGR'S SERIAL NO. --	

QUANTITY	DESCRIPTION
1	General Electric Oil Circuit Breaker, 2000-Amp Capacity Located at 151-2L ; Type FK-121-40000-7, S/N 0261A5721-201

REMARKS

---



---



---

MFGR'S PARTS LIST REFERENCE	COMPLETE SPARE MACHINES REQUIRED
-----------------------------	----------------------------------

DU PONT PART NO.	INSPECTION REQUIRED		MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.	MIN.
	NO.	YES**				
101	X		Catalog #0132A1590 P001 Pressure Governor Switch 63G	56-3820	2X	+0
102	X		Compressor Model "FGE" Catalog #0269A2223 P001	<i>344hp 115/220l RPM 1725</i> 56-3871	2X	+0
103	X		"aa" Cut-Off Switch Catalog #006412114 P005	56-3822	2X	+0
104	X		Pressure Cut-Out and Alarm Switch (63-C-A) Catalog #0103A3679 P009	56-3823	2X	+0
105	X		Lock-out Switch (69 Switch) Catalog #006412114 P011	56-3824	2X	+0
106	X		"ac" Switch Catalog #0104C8047 G001	56-3825	2X	+0
107	X		Set of "O" rings for check valve Catalog #0195X0701 P006	56-3826	4+	1
108	X		"O" Ring - Pilot Armature Adapter Insert Catalog #0193A4432 P232	56-3827	3X	1
109	X		"O" Ring - Main Control Valve Flange Catalog #0193A4432 P338	56-3828	2X	1
110	X		"O" Ring - Pilot Valve Seat Catalog #0193A4432 P131	56-3829	2X	1

\*If item does not require inspection, insert an "X" in the "NO" column.  
 \*\*When item requires inspection, insert in "YES" column: "V" for Vendor's Plant Inspection Required, or for SRP Inspection Required,  
 insert "S1" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the % of each quantity to be inspected. Include under MFGR'S  
 PART NAME AND PART NUMBER the inspecting Area Engineer's Work Group Number.

# PARTS LIST

EQUIP. NO. 151-21 6000-600-60

PAGE 2 of 2 REVISION 0

DU PONT PART NO.	INSPECTION REQUIRED		MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.	MIN.
	NO*	YES**				
111	X		Closing cut-off and anti-pump relay 12HGA35B2 125v DC (52Y) Catalog #0103A1438 P051	56-3830	22	10
112	X		Latch Checking ("lc") Switch Catalog #0179V0585 P004	56-3831	22	10
113	X		Lift Rod Catalog #0188B9283 P007	56-3832	22	10
114	X		Upper Baffle Stack Catalog #0129C1057 G001	56-3833	22	10
115	X		Back Pressure Valve Complete Disassembled (with adhesive) Catalog #0153B9231 G001	56-3834	22	10
116	X		Lower Contact Stop Catalog #0153B5296 P001	56-3835	44	2
117	X		Current Contact Finger Assembly Complete (Upper and Lower) Catalog #0203A1776 G001	56-3836	22	10
118	X		External Contact Fingers Catalog #0124C3244 P003	56-3837	22	10
119	X		External Probe Contact Catalog #0124C3211 P002	56-3838	22	10
120	X		External Contact Finger Assembly Catalog #0153B6710 G001	56-3839	22	1
121	X		Transfer Finger Assembly Complete Catalog #0203A1775 G001	56-3840	22	10
	X		Lower Contact Stop Catalog #0153B5296 P001 <i>Not listed</i>		1	1
123	X		Short Contact Rod (Lower) Catalog #0104D5822 G002	56-3842	22	10
<i>P.P.</i>	X		Upper Contact Stop Catalog #0153B5296 P001	56-3835	44	2
124	X		Long Contact Rod (Upper) Catalog #0159C2847 G003	56-3843	22	10
125	X		Main Control Valve Complete with Coil 125v dc (1-1/2 inch) Catalog #0178L0119 G030	56-3844	22	10
126	X		Gasket-Manhole Catalog #0173A9024 P008	56-3845	62	1
	X		External Contact Finger Assembly Complete Catalog #0153B6710 G001		1	1
126	X		Gasket Mechanism Housing Catalog #0269A2017 G001	56-3847	22	1
129	X		Oil Gage Assembly Complete Catalog #0263X0257 G001	56-3848	22	10
130	X		Crossarm and Lift Rod Assembly Complete Catalog #0153B6709 G009	56-3849	22	10

\*If item does not require inspection, insert an "X" in the "NO" column.  
 \*\*When item requires inspection, insert in "YES" column: "V" for Vendor's Plant Inspection Required, or for SRP Inspection Required, insert "S1" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the % of each quantity to be inspected. Include under MFGR'S PART NAME AND PART NUMBER the inspecting Area Engineer's Work Group Number.

# SPARE PARTS DATA

DATA SHEET (DS)       STOCK ADJUSTMENT REQUEST (SAR)

<input checked="" type="checkbox"/> ELECTRICAL	<input type="checkbox"/> INSTRUMENTS
<input type="checkbox"/> MECHANICAL	<input type="checkbox"/> EXTRA MACHINERY

(B) SETUP CODE       (B) RESPONSIBLE WORK GROUPS  
 PAGE \_\_\_\_\_ OF \_\_\_\_\_

**(C)** BUILDING AREA & EQUIPMENT NO  
504-1 & 2G-557

**(D)** RESPONSIBLE WORK GROUPS

**(F)** ORIGINAL OR SRR NUMBER  
SAR-12035

**(G)** FOR SPARE PARTS INFORMATION NOT SHOWN BELOW REFER TO BUILDING AREA & EQUIPMENT NO.

**(H)**  DELETE FROM ABOVE EP NO.       CHANGE DESCRIPTION       ADD NEW ITEM(I)  
 EXCESS FROM STOCK       ADD INFORMATION       FOR RECORD ONLY  
 CHANGE MAXIMUM       OTHER

<b>(I)</b>	MANUFACTURER	<b>(J)</b>	VENDOR
General Electric			
<b>(K)</b> AXC 20161	<b>(L)</b> MANUFACTURERS ORDER NO.	<b>(M)</b> SRR NO.	
		202022	
<b>(N)</b> SRS DRAWING/SPECIFICATIONS/PROJECT NUMBER	<b>(O)</b> DRAWING NO.	<b>(P)</b> MANUFACTURERS NUMBERS	
		<b>(Q)</b> SERIAL NUMBERS	
		<b>(R)</b> MODEL NUMBERS	

**(R)** MAJOR EQUIPMENT DESCRIPTION      **(S)** ADEJECTIVE

Breaker      **(S)** Circuit

Oil Circuit Breaker, 115KV, Type FK-439-3500, 1200 AMP. with Pneumatic Operating Mechanisms for all 115KV Lines

These parts also cover the following **(40)** circuit breakers: **(5)** on 151-JRPIKC-557.1.  
**(2)** on 451-FH-557.1; **(6)** on 451-D-557; **(7)** on 451-D-557.2; **(5)** on 504-JG-557.2;

**(R)** COMMODITY CODE

**(S)** ORIGINATOR      **(T)** APPROVALS

DEPARTMENT      BUILDING NO. & AREA      OPERATIONS      MAINTENANCE

PHONE      DATE



<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Interrupter</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6524656-AA</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Multibreak interupter</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 21290.00</b>
11. MAX / MIN <b>1 / 1</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE <b>Pressure</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Switch, Pressure, SQ 'D' Class 9012, Type ACW-8S4, Form Z, Range 20-180° Differnetial 10-30#</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 49820.00</b>
11. MAX / MIN <b>8 / 3</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE <b>Auxiliary</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6412114P25</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Switch Auxiliary, AC</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 46630.00</b>
11. MAX / MIN <b>8 / 3</b>	12. COST



<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE <b>Auxiliary</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6412114P7</b>	7. SRS DRAWING / SPECS.
6. SIZE	

8. DESCRIPTION <b>Switch Auxiliary BD</b>
--

9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 46620.00</b>
11. MAX / MIN <b>8 / 3</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Coil</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6174582G22</b>	7. SRS DRAWING / SPECS.
6. SIZE	

8. DESCRIPTION <b>Coil, Trip</b>
-------------------------------------

9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 8590.00</b>
11. MAX / MIN <b>6 / 3</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Coil</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>366A701G8</b>	7. SRS DRAWING / SPECS.
6. SIZE	

8. DESCRIPTION <b>Coil 125V DC, For Old And New Type Control Valve On All OCB's</b>
--

9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 8540.00</b>
11. MAX / MIN <b>4 / 3</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Relay</u>	2. ADJECTIVE <u>Auxiliary</u>
3. MANUFACTURER CODE OR NAME <u>General Electric</u>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <u>Model 12HGA26A3</u>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <u>Relay, Auxiliary, 125V DC Type HGA</u>	
9. SRS-EMS NO.	10. CAPTION / ITEM <u>55 / 30620.00</u>
11. MAX / MIN <u>5 / 3</u>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Coil</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <u>General Electric</u>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <u>6275017G9</u>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <u>Coil Choke</u>	
9. SRS-EMS NO.	10. CAPTION / ITEM <u>55 / 8640.00</u>
11. MAX / MIN <u>5 / 3</u>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Capacitor</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <u>General Electric</u>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <u>5828843KKG8</u>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <u>Capacitor, With Cover #8723230AAP1</u>	
9. SRS-EMS NO.	10. CAPTION / ITEM <u>55 / 4490.00</u>
11. MAX / MIN <u>2 / 3</u>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Bushing</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6B605-CR9</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Bushing, 115kV, 1200AMP</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 3270.00</b>
11. MAX / MIN <b>6 / 3</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Grease</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>D6A2C5</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Grease 1 lb can</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 19510.00</b>
11. MAX / MIN <b>21 / 6</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contact</b>	2. ADJECTIVE <b>Moving</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6477761AA</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Member, Contact, Moving</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 22410.00</b>
11. MAX / MIN <b>0 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Transformer</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>PL175L502</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Transformer, Bushing Current, 1200/5 AMP 240 Turns, Type BR-BY-10L-800 To MFR's Reference</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 1091.57</b>
11. MAX / MIN <b>3 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Cable</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Cable, Metal Covered, High Voltage For Making Connection Between The Potential Device and The High Voltage Bushing To Be Used With Bushing Potential Device Type KA-105</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 3440.00</b>
11. MAX / MIN <b>4 / 2</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Compound</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>A13A1B</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Compound</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 11990.00</b>
11. MAX / MIN <b>4 / 2</b>	12. COST

<b>① ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>158A8750G1</b>	7. SRS DRAWING / SPECS.
6. SIZE	

8. DESCRIPTION <b>Gasket 1.900" OD X 1.500" ID For Old And New Type Control Valve On All OCB's</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 19110.00</b>
11. MAX / MIN <b>3 / 1</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Valve</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6509010AA</b>	7. SRS DRAWING / SPECS.
6. SIZE	

8. DESCRIPTION <b>Piston and Disc Valve For Old Type Control Valve Only</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 23890.00</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Valve</b>	2. ADJECTIVE <b>Disc</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6509016AA</b>	7. SRS DRAWING / SPECS.
6. SIZE	

8. DESCRIPTION <b>Disc, Armature and Pilot Valve For Old Type Control Valve Only</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 17510.00</b>
11. MAX / MIN <b>4 / 2</b>	12. COST

<b>2</b> ITEM DESCRIPTION	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS <b>General Electric</b>	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6412112G1</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Switch (AA2) Latch Cut-Off</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 46780.00</b>
11. MAX / MIN <b>2 / 3</b>	12. COST

<b>2</b> ITEM DESCRIPTION	
1. KEY NOUN <b>Valve</b>	2. ADJECTIVE <b>Disc</b>
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS <b>General Electric</b>	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6477881P2</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Disc, Angle, Vlave</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 17500.00</b>
11. MAX / MIN <b>12 / 3</b>	12. COST

<b>2</b> ITEM DESCRIPTION	
1. KEY NOUN <b>Valve</b>	2. ADJECTIVE <b>Disc</b>
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS <b>General Electric</b>	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>394A991P1</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Disc, Check Valve</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 17480.00</b>
11. MAX / MIN <b>8 / 3</b>	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN Valve	2. ADJECTIVE Disc
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6477881P1	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Disc, Air Supply Valve	
9. SRS-EMS NO.	10. CAPTION / ITEM 55 / 17490.00
11. MAX / MIN 6 / 3	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN Valve	2. ADJECTIVE Control
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 175L508AB	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Valve, Control, Less Coil	
9. SRS-EMS NO.	10. CAPTION / ITEM 55 / 52210.00
11. MAX / MIN 0 / 1	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN Univis	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 132A1341P8	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Oil, Univis, #J-43, 1 Gal. Can	
9. SRS-EMS NO.	10. CAPTION / ITEM 55 / 23550.00
11. MAX / MIN 5 / 6	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Shim</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6200048P25	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Shim, 0.016" Thick For Old Type Control Valve Only	
9. SRS-EMS NO.	10. CAPTION / ITEM 55 / 40090.00
11. MAX / MIN 10 / 1	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Shim</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6200648P26	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Shim, 0.010" Thick For Old Type Control Valve Only	
9. SRS-EMS NO.	10. CAPTION / ITEM 55 / 40080.00
11. MAX / MIN 10 / 1	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Shim</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6200648P19	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Shim, 0.032" Thick For Old Type Control Valve Only	
9. SRS-EMS NO.	10. CAPTION / ITEM 55 / 40070.00
11. MAX / MIN 10 / 1	12. COST



② ITEM DESCRIPTION	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE <b>Head</b>
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6370346P11	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Gasket, Head, Cylinder	
9. SRS-EMS NO.	10. CAPTION / ITEM 55 / 19170.00
11. MAX / MIN 4 / 2	12. COST

② ITEM DESCRIPTION	
1. KEY NOUN <b>Ring</b>	2. ADJECTIVE <b>Piston</b>
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6370346P17	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Ring Piston	
9. SRS-EMS NO.	10. CAPTION / ITEM 55 / 39270.00
11. MAX / MIN 0 / 6	12. COST

② ITEM DESCRIPTION	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE <b>Cover</b>
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6370346P21	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Gasket, Cover, Oil	
9. SRS-EMS NO.	10. CAPTION / ITEM 55 / 19190.00
11. MAX / MIN 2 / 1	12. COST

<b>2</b> ITEM DESCRIPTION	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6370346P20</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Gasket, Bearing, Main</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 19180.00</b>
11. MAX / MIN <b>4 / 1</b>	12. COST

<b>2</b> ITEM DESCRIPTION	
1. KEY NOUN <b>Ring</b>	2. ADJECTIVE <b>Piston</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6177672P4</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Ring, Piston, For OCB Pneumatic</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 19180.00</b>
11. MAX / MIN <b>7 / 1</b>	12. COST

<b>2</b> ITEM DESCRIPTION	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE <b>Man-hole</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6002139P34</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Gasket, Manhole Cover</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 19120.00</b>
11. MAX / MIN <b>18 / 9</b>	12. COST

② ITEM DESCRIPTION

1. KEY NOUN Gasket	2. ADJECTIVE Cover
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6370420P1	7. SRS DRAWING / SPECS.
6. SIZE	

9. DESCRIPTION

Gasket, Front Cover

9. SRS-EMS NO.	10. CAPTION / ITEM	55 / 19200.00
11. MAX / MIN	8 / 6	12. COST

② ITEM DESCRIPTION

1. KEY NOUN Gasket	2. ADJECTIVE Cover
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6370430P2	7. SRS DRAWING / SPECS.
6. SIZE	

9. DESCRIPTION

Gasket, Spline Shaft Cover

9. SRS-EMS NO.	10. CAPTION / ITEM	55 / 19210.00
11. MAX / MIN	18 / 9	12. COST

② ITEM DESCRIPTION

1. KEY NOUN Gasket	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 6217160-6	7. SRS DRAWING / SPECS.
6. SIZE	

9. DESCRIPTION

Gasket

9. SRS-EMS NO.	10. CAPTION / ITEM	55 / 19160.00 <sup>40</sup>
11. MAX / MIN	75 / 38	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>6217160-3</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Gasket</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 19150.00</b>
11. MAX / MIN <b>36 / 18</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>6217160-4</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Gasket</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 19160.00</b>
11. MAX / MIN <b>36 / 18</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE <b>Auxiliary</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>6412114P5</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Switch, Auxiliary</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 46610.00</b>
11. MAX / MIN <b>9 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contact</b>	2. ADJECTIVE <b>Lead</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6509102-AA</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Lead, Contact, Flexible</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 21670.00</b>
11. MAX / MIN <b>24 / 12</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE <b>Auxiliary</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6412112G1</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Switch Auxiliary</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / XXXXXXXXXX</b>
11. MAX / MIN <b>9 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Strip</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>2A360G1</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Strip, Heater, 160 Watt, 125 Volt</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 20290.00</b>
11. MAX / MIN <b>8 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Heater</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6557378P1</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Calrod, Heater</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 17700.00</b>
11. MAX / MIN <b>5 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Heater</b>	2. ADJECTIVE <b>Cartridge</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6371077P1</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Cartridge Heater</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 20090.00</b>
11. MAX / MIN <b>9 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Tube</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Elect</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>6370301P3</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Tube</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 52120.00</b>
11. MAX / MIN <b>12 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE <b>Flange</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>175L-811G1</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.

8. DESCRIPTION  
**Gasket Flange**

9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 19130.00</b>
11. MAX / MIN <b>50 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE <b>Flange</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>398A959-P3</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.

8. DESCRIPTION  
**Gasket, Flange**

9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 19220.00</b>
11. MAX / MIN <b>6 / 3</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contact</b>	2. ADJECTIVE <b>Stud</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>4B916</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.

8. DESCRIPTION  
**Stud, Contact, Capacitance Tap Outlet Bushing**

9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 43940.00</b>
11. MAX / MIN <b>5 / 2</b>	12. COST

11. MAX / MIN 2 / 1		12. COST	
9. SRS-ENS NO.		10. CAPTION / ITEM 55 / 39680.00	
8. DESCRIPTION Screen For Old Type Control Valve Only			
6. SIZE		7. SRS DRAWING / SPECS.	
5. MANUFACTURER P / N 329A2271G1		PHONE NUMBER	
ADDRESS General Electric		ADDRESS	
3. MANUFACTURER CODE OR NAME		4. SUGGESTED VENDOR	
1. KEY NOUN Screen		2. ADJECTIVE	
② ITEM DESCRIPTION			

11. MAX / MIN 2 / 1		12. COST	
9. SRS-ENS NO.		10. CAPTION / ITEM 55 / 23895.00	

8. DESCRIPTION Piston, Assembly, Valve For New Type Control Only			
6. SIZE		7. SRS DRAWING / SPECS.	
5. MANUFACTURER P / N 6557573P1		PHONE NUMBER	
ADDRESS General Electric		ADDRESS	
3. MANUFACTURER CODE OR NAME		4. SUGGESTED VENDOR	
1. KEY NOUN Valve		2. ADJECTIVE Assembly	
② ITEM DESCRIPTION			

11. MAX / MIN 2 / 1		12. COST	
9. SRS-ENS NO.		10. CAPTION / ITEM 55 / 305.00	

8. DESCRIPTION Armature			
6. SIZE		7. SRS DRAWING / SPECS.	
5. MANUFACTURER P / N 6558660G11		PHONE NUMBER	
ADDRESS General Electric		ADDRESS	
3. MANUFACTURER CODE OR NAME		4. SUGGESTED VENDOR	
1. KEY NOUN Armature		2. ADJECTIVE	
② ITEM DESCRIPTION			



<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Shim</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>6448258</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Shim, For New Type Control Valve Only</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 40091.00</b>
11. MAX / MIN <b>2 / 5</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Valve</b>	2. ADJECTIVE <b>Intake</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>10412</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Intake And Exhaust Valves with Springs and Copper Gaskets Model A For Compressor 14377</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>55 / 52240.00</b>
11. MAX / MIN <b>4 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>/</b>
11. MAX / MIN <b>/</b>	12. COST

ELECTRICAL

OJR 6-43 (Rev 11-74)

SRP - SPARE PARTS DATA

EQUIP. NO. 504-1&2G-557

PAGE 1 REVISION 1/19/82

APPROVALS	DATE
E. A. WRIGHT	
A. J. SCHWERTFEGER	
STUMPF/GOSNELL	10/21/52

For Spare Parts Information not shown below, refer to:

ORIGINAL EQUIPMENT DATA	MANUFACTURER GENERAL ELECTRIC COMPANY SCHENECTADY, NEW YORK		VENDOR GENERAL ELECTRIC COMPANY 570 LEXINGTON AVENUE NEW YORK, NEW YORK	
	DU PONT ORDER NO. A X C 2016½	MFGR'S ORDER NO.	VENDOR'S ORDER NO. N3V892	
	BPF No. 202022		VPF No.	
	DU PONT DWG. NOS.		MFGR'S DWG. NOS.	
			MFGR'S SERIAL NO.	

QUANTITY	DESCRIPTION
4	BREAKER, CIRCUIT, OIL, 115 KV, TYPE FK-439-3500, 1200 AMP, WITH PNEUMATIC OPERATING MECHANISMS FOR ALL 115 KV LINES

REMARKS  
 THESE PARTS ALSO COVER THE FOLLOWING (40) CIRCUIT BREAKERS: (5) ON 151-1RPLKC-557.1; (2) ON 251-FH-557.1; (6) ON 451-D-557; (7) ON 451-D-557.2; (5) ON 504-1G-557.2; (12) ON 504-2&3G-557.2; (2) ON 504-2G-557.1; (1) ON 751-A-557.1

MFGR'S PARTS LIST REFERENCE GEF-3457-C; DESIGN DIV. LETTER HOUCK TO TINKER 1/16/52	COMPLETE SPARE MACHINES REQUIRED NONE
R2 SAR 2277; R3 SAR 6586 & 16226; R4 SAR 14281; R5 SAR 2432; R6 SAR 2479, 80,82,83, 24723; R7 SAR 12035; R8 AX 528569; R9 AX 562768;	

DU PONT PART NO.	INSPECTION REQUIRED		MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.	MIN.
	NO*	YES**				
101	X		R9, BAR, CONTACT, UPPER, #6509085-G11	7B-230 55-490	32 18	6
102	X		R9, BAR, CONTACT, INTERMEDIATE, #0124C3206G001	7B-235 55-500	31 18	6
103	X		R9, BAR, CONTACT, LOWER, #0124C3205G001	7B-240 55-510	31 18	6
104	X		R8, 9, CONTACT, BRIDGING, #0153B5254P001	7A-380 55-14340	36	12
105	X		R9, PLATE ARCING, #6509086G11	55-23960	67 18	24
106	X		DISC, CONTACT, #6318331P2	7A-385 55-17450	29 18	6
107	X		BLOCK, PORT, #6412659-AA	55-1290	23 24	12
108	X		ROD, CENTER, #6370392-4	55-39420	10 12	6
109	X		TIP, CONTACT, #6440364P1	7A-300 55-51580	18	6
110	X		ROD, LIFT, #6508206-1	55-39430	5 6	3

\*If item does not require inspection, insert an "X" in the "NO" column.  
 \*\*When item requires inspection, insert in "YES" column: "V" for Vendor's Plant Inspection Required, or for SRP Inspection Required, insert "S1" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the % of each quantity to be inspected. Include under MFGR'S PART NAME AND PART NUMBER the inspecting Area Engineer's Work Group Number.

## SRP - SPARE PARTS DATA

ELECTRICAL  
OIL CIRCUIT  
BREAKERS

EQUI O. 504-122G-557

PAGE 3 REVISION 1/31/77

R2 SAR 2277; R3 SAR 6586, 16226; R4 SAR 14281; R5 SAR 2432; R6 SAR 2479, 80, 82, 83, &  
24723; R7 SAR 31782; R8 AX117251; R9 AX 209696; R10 SAR 63905; R11 SAR 65748;

DU PONT PART NO.	MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	LOCATION	MAX.	MIN.
137	R2, CABLE, METAL COVERED, HIGH VOLTAGE FOR MAKING CONNECTION BETWEEN THE POTENTIAL DEVICE & THE HIGH VOLTAGE BUSHING TO BE USED WITH BUSHING POTENTIAL DEVICE, TYPE KA-105	55- 3440.00	4	5	2
138	R2,9, COMPOUND #A13A1B	55-11990.00	4	PTS. 5	PTS. 2
140	R3,8,10, GASKET, 1.900" OD X 1.500" ID, CAT. NO. 158A8750G1 (FOR OLD AND NEW TYPE CONTROL VALVE ON ALL OCB'S)	55-19110.00		3	1
141	R3,10, PISTON & DISC, VALVE (FOR OLD TYPE CONTROL VALVE ONLY) <i>Rydon Seats</i> #6509019AA	55-23890.00		2	1
142	R3,10, DISC, ARMATURE & PILOT VALVE (FOR OLD TYPE CONTROL VALVE ONLY) #6509016AA	55-17510.00	4	2	1
143	R3,10, SHIM, 0.016" THICK (FOR OLD TYPE CONTROL VALVE ONLY) #6200048P25	55-40090.00	10	2	1
144	R3,10 SHIM, 0.010" THICK (FOR OLD TYPE CONTROL VALVE ONLY) #6200648P26	55-40080.00	10	2	1
145	R3,10, SHIM, 0.032" THICK (FOR OLD TYPE CONTROL VALVE ONLY) #6200648P19	55-40070.00	10	2	1
146	R3,7, COMPRESSOR, AIR <i>2708</i> #6315311P2	55-11995.00		2	DNR
<del>147</del>	<del>R3, R11, DISC, SPRING &amp; GASKET, INTAKE VALVE #6370346G1</del>	<del>55-17460.00</del>		2	1
<del>148</del>	<del>R3, R11, DISC, SPRING &amp; GASKET, EXH. VALVE #6370346G2</del>	<del>55-17470.00</del>		2	1
149	R3, GASKET, HEAD, CYLINDER #6370346P11	55-19170.00	4	2	1
150	R3, RING, PISTON <i>Amperon</i> #6370346P17	55-39270.00	0	6	3
151	R3, GASKET, COVER, OIL #6370346P21	55-19190.00		2	1
152	R3, GASKET, BEARING, MAIN #6370346P20	55-19180.00	4	2	1
154	R4, RING, PISTON <i>F.R. OCB</i> <i>PNEUMATIC</i> #6177672P4	55-39260.00	7	3	1

## SRP - SPARE PARTS DATA

ELECTRICAL  
OIL CIRCUIT  
BREAKERS

JUMP NO. 504-1&amp;2G-557

PAGE 2

REVISION 8/23/82

R2 SAR 2277; R3 SAR 31782; R4 SAR 59068; R5 SAR 63905; R6 SAR 83253; R7 AX 552111;  
R8 AX 562768; R9 SAR 92925;

DU PONT PART NO.	MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	LOCATION	MAX.	MIN.
113	INTERRUPTER, MULTIBREAK #6524656-AA	55-21290.00		2	1
116	SWITCH, PRESSURE, SQ. 'D' CLASS 9012, TYPE ACW-834, FORM Z, RANGE 20-180°. DIFFERENTIAL 10-30#	55-49820.00		8	3
117	SWITCH, AUXILIARY, AC #6412114P25	55-46630.00		8	3
118	SWITCH, AUXILIARY, BD #6412114P7	55-46620.00		9	3
119	COIL, TRIP R5, G.E. #6174582G22	55-8590.00		6	3
120	COIL, 125 V DC, CAT. NO. 366A701G8 (FOR OLD AND NEW TYPE CONTROL VALVE ON ALL OCB'S)	55-8540.00		4	3
121	RELAY, AUXILIARY, 125 V, DC, TYPE HGA, MODEL 12HGA26A3	55-30620.00		5	3
124	COIL, CHOKS G.E. #6275017G9	55-8640.00		5	3
125	CAPACITOR, #5328843KKG8, W/COVER #8723230AAP1	55-4490.00	2	6	3
126	BUSHING, 115 KV, 1200 AMP #6E605-CR9	55-3270.00		X	3
127	GREASE, 1-LB CAN, P/N D6A2C5	55-19510.00		1/2	6
	BELT, FOR PNEUMATIC OPERATING MECH. MOTOR 17/32 x 9/32 x 45 #4L-450	14-00380. <del>24</del>	DD5127A1	17	
129	R2, MEMBER, CONTACT, MOVING #6477761AA	55-22410.00	0	3	DNE
130	R2, SWITCH (AA2), LATCH CUT-OFF #6412112G1	55-46780.00	2	3	1
131	R2, DISC, ANGLE VALVE #6477881P2	55-17500.00	12	3	1
132	R2, 8, DISC, CHECK VALVE, 394A991P1	55-17480.00	8	3	1
133	R2, DISC, AIR SUPPLY VALVE #6477881P1	55-17490.00	6	3	1
134	R2, 3, VALVE, CONTROL, LESS COIL #175L508AB	55-52210.00	0	1	0
135	R2, 6, 7, OIL, UNIVIS #J-43, 1 GAL. CAN, G.E. #132A1341P8	55-23550.00	5	6	1
136	R2, TRANSFORMER, BUSHING CURRENT, 1200/5 AMP 240 TURNS, TYPE DR-BY-10L-800, #PL-175-L502-AH TO MFGR'S REF. L-6193387 G-34	56-1091.57	3	3	1





SRP - SPARE PARTS DATA OIL CIRCUIT BREAKERS PAGE 1 REVISION 3/8/82

R1 SAR 2479,80,82,83,24723; R2 SAR 12035; R3 AX117251;  
 R4 AX 134098; R5 AX 142858; R6 SAR 63904; R7 AX318132; R8 SAR 65748;  
 R9 SAR 92867;

DUPONT PART NO.	MFOR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	LOCATION	MAX.	M
162	R1 SWITCH, AUXILIARY #6412112G1			9	
163	R1,4 STRIP, HEATER, 160 WATT, 125 VOLT #2A360G1	55-20290	8	9	
164	R1 CALROD, HEATER. #6557378P1	55-17700	5	9	
165	R1 CARTRIDGE, HEATER #6371077P1	55-20090		9	
166	R1 TUBE #6370391P3	55-52120		12	
167	R1,5 GASKET, FLANGE #175L-811G1	55-19130	50	6	
168	R1 - 3 GASKET, FLANGE #398A959-P3	55-19220		6	
169	R2 STUD, CONTACT, CAPACITANCE TAP OUTLET BUSHING #1B916	55-43940		5	
170	R6, ARMATURE, CAT. NO. 6558660G11 (FOR NEW TYPE CONTROL VALVE ONLY)	55- 305.00		2	
171	R6, PISTON ASSEMBLY, VALVE, CAT. NO. 6557573P1 (FOR NEW TYPE CONTROL VALVE ONLY)	55-23895.00		2	
172	R6,7, SCREEN, CAT. NO. 392A227G1 (FOR OLD AND NEW TYPE CONTROL VALVES)	55-39680.00		2	
173	R6, SHIM, CAT. NO. 6448258 (FOR NEW TYPE CONTROL VALVE)	55-40091.00	2	10	
174	R8,9, INTAKE & EXHAUST VALVES #10412 W/SPRINGS & COPPER GASKETS, MODEL A, FOR COMPRESSOR, #14377	55-52240.00	4	SET 2	

# SRP - SPARE PARTS DATA

ELECTRICAL

EQUIP. NO. 504-1G-557.40

PAGE 1 REVISION 11/9/71

For Spare Parts Information not shown below, refer to:

APPROVALS	DATE
SANDIFER/WAGAR	10-15-71
SHIDELER/GRAYBEAL	
O. N. HALL	10-21-71

ORIGINAL EQUIPMENT DATA	MANUFACTURER <b>GENERAL ELECTRIC CO.</b>		VENDOR <b>SAME</b>
	3 PENN CENTER PLAZA PHILADELPHIA, PA.		
	DU PONT ORDER NO. <b>AXC 22803 1/2</b>	MFGR'S ORDER NO. <b>REQ'N P-331834</b>	VENDOR'S ORDER NO.
	BPF No. <b>209604</b>	VPF No.	
	DU PONT DWG. NOS.	MFGR'S DWG. NOS. <b>GEL-50048A</b>	
		MFGR'S SERIAL NO. <b>6566146JD-201</b>	

QUANTITY	DESCRIPTION
1	BREAKER, CIRCUIT, OIL, OUTDOOR, TYPE FK439-115-5000-3, CAT. #34C80G125, 115 VOLT, 5000 MVA

REMARKS

PROJECT 98-1055

MFGR'S PARTS LIST REFERENCE	COMPLETE SPARE MACHINES REQUIRED <b>NONE</b>
-----------------------------	---

DS 30115:

DU PONT PART NO.	MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	LOCATION	MAX.	MIN.
101	VALVE, AUXILIARY, #175L508G13	55-52220.00		1	0
102	COIL, 125V. D.C. (FOR AUXILIARY VALVE) #366A701G10	55- 8541.00		2	1
	<i>Opening Valve</i> <i>5/1/81</i> <i>ow Top</i>				



**SPARE PARTS DATA**

DATA SHEET (DS)       STOCK ADJUSTMENT REQUEST (SAR)

<input type="checkbox"/> ELECTRICAL	<input type="checkbox"/> INSTRUMENTS
<input type="checkbox"/> MECHANICAL	<input type="checkbox"/> EXTRA MACHINERY
<b>B</b> SETUP CODE	<b>Ba</b> PAGE OF

<b>C</b> BUILDING, AREA, & EQUIPMENT NO. 151-2L 6000-600-60	<b>D</b> RESPONSIBLE WORK GROUPS
--	----------------------------------

<b>F</b> ORIGINAL DS OR SAR NUMBER	<b>G</b> FOR SPARE PARTS INFORMATION NOT SHOWN BELOW REFER TO: BUILDING, AREA, & EQUIPMENT NO.
------------------------------------	--

**H**      **A**  DELETE FROM ABOVE EP NO.      **D**  CHANGE DESCRIPTION      **G**  ADD NEW ITEM(S)  
**B**  EXCESS FROM STOCK      **E**  ADD INFORMATION      **H**  FOR RECORD ONLY  
**C**  CHANGE MAX/MIN      **F**  OTHER

<b>MAJOR EQUIPMENT DATA</b>	<b>I</b> MANUFACTURER General Electric	<b>J</b> VENDOR

<b>K</b> AXC 3102W	<b>L</b> MANUFACTURER'S ORDER NO.	<b>M</b> BPP NO. 213449
--------------------	-----------------------------------	-------------------------

<b>MAJOR EQUIPMENT DATA</b>	<b>N</b> SRS DRAWING/SPECIFICATIONS/PROJECT NUMBER	<b>O</b> DRAWING NO.
		<b>P</b> SERIAL NUMBER
		<b>Q</b> MODEL NUMBER

<b>R</b> MAJOR EQUIPMENT DESCRIPTION KEYNOUN	ADJECTIVE
Breaker	Circuit
General Electric Oil Circuit Breaker, 2000-AMP Capacity, Located at 151-2L	
Type FK-121-40000-7, SN/ 0261A5721	

**Ra** COMMODITY CODE

<b>S</b> ORIGINATOR NAME	<b>T</b> APPROVALS OPERATIONS
DEPARTMENT	MAINTENANCE
PHONE	DATE
BLDG NO. & AREA	



SRP - SPARE PARTS DATA OIL CIRCUIT BREAKERS

R1 SAR 2479,80,82,83,24723; R2 SAR 12035; R3 AX117251;  
 R4 AX 134098; R5 AX 142858; R6 SAR 63904; R7 AX318132; R8 SAR 65748;  
 R9 SAR 92867;

DU PONT PART NO.	WFO'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	LOCATION	MAX.	M
162	R1 SWITCH, AUXILIARY #6412112G1			9	
163	R1,1 STRIP, HEATER, 160 WATT, 125 VOLT #2A360G1	55-20290	8	9	
164	R1 CALROD, HEATER. #6557378P1	55-17700	5	9	
165	R1 CARTRIDGE, HEATER #6371077P1	55-20090		9	
166	R1 TUBE #6370391P3	55-52120		12	
167	R1,5 GASKET, FLANGE #175L-811G1	55-19130	50	6	
168	R1 - 3 GASKET, FLANGE #398A959-P3	55-19220		6	
169	R2 STUD, CONTACT, CAPACITANCE TAP OUTLET BUSHING				
	#4B916	55-43940		5	
170	R6, ARMATURE, CAT. NO. 6558660G11				
	(FOR NEW TYPE CONTROL VALVE ONLY)	55-305.00		2	
171	R6, PISTON ASSEMBLY, VALVE, CAT. NO. 6557573P1				
	(FOR NEW TYPE CONTROL VALVE ONLY)	55-23895.00		2	
172	R6,7, SCREEN, CAT. NO. 392A227G1				
	(FOR OLD AND NEW TYPE CONTROL VALVES)	55-39680.00		2	
173	R6, SHIM, CAT. NO. 6448258				
	(FOR NEW TYPE CONTROL VALVE)	55-40091.00	2	10	
174	R8,9, INTAKE & EXHAUST VALVES #10412 W/SPRINGS & COPPER GASKETS, MODEL A, FOR COMPRESSOR, #14377	55-52240.00	4	SET 2	

**SRP - SPARE PARTS DATA**

ELECTRICAL

EQUIP. NO. 504-1G-557.40

PAGE 1 REVISION 11/9/71

For Spare Parts Information not shown below, refer to:

APPROVALS	DATE
SANDIFER/WAGAR	10-15-71
SHIDELER/GRAYBEAL	
O. N. HALL	10-21-71

<b>ORIGINAL EQUIPMENT DATA</b>	MANUFACTURER GENERAL ELECTRIC CO. 3 PENN CENTER PLAZA PHILADELPHIA, PA.		VENDOR SAME
	DU PONT ORDER NO. A X C 22803 1/2	MFGR'S ORDER NO. REQ'N P-331834	VENDOR'S ORDER NO.
	BPF No. 209604	VPF No.	
	DU PONT DWG. NOS.	MFGR'S DWG. NOS. GEL-50048A	
		MFGR'S SERIAL NO. 6566146JD-201	

QUANTITY	DESCRIPTION
1	BREAKER, CIRCUIT, OIL, OUTDOOR, TYPE FK439-115-5000-3, CAT. #34C80G125, 115 VOLT, 5000 MVA

REMARKS

PROJECT 98-1055

MFGR'S PARTS LIST REFERENCE	COMPLETE SPARE MACHINES REQUIRED NONE
-----------------------------	--

DS 30115:

DU PONT PART NO.	MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	LOCATION	MAX.	MIN.
101	VALVE, AUXILIARY, #175L508G13	55-52220.00		1	0
102	COIL, 125V. D.C. (FOR AUXILIARY VALVE) #366A701G10	55-8541.00		2	1
	<i>Opening Valve</i> <i>O. B. 5/1/81</i> <i>aw Top</i>				

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE <b>Pressure</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>0132A1590 PO01</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Pressure Governor Switch 63G</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3820.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Compressor</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>0269A2223 PO01</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Compressor Model "FGE"</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3821.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Switch</b>	2. ADJECTIVE <b>Cut Off</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>006412114 PO05</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>"aa" Cut-Off Switch</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3822.00</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

ADDITIONAL PARTS

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN Switch	2. ADJECTIVE Cut-Out
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N 0103A3679 P009	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Pressure Cut-Out and Alarm Switch (63-C-A)	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3823.00
11. MAX / MIN 2 / 0	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN Switch	2. ADJECTIVE Lock-Out
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N 006412114 P011	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Lock-Out Switch (69 Switch)	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3827.00
11. MAX / MIN 2 / 0	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN Switch	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N 0104C8047 G001	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION "ac" Switch	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3825.00
11. MAX / MIN 2 / 0	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <u>O Rings</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 0195X0701 P006	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION Set of O Rings for check valve	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3826.00
11. MAX / MIN 4 / 1	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <u>O Ring</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 0193A4432 P232	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION O Ring Pilot Armature Adapter Insert	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3827.00
11. MAX / MIN 2 / 1	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <u>O Ring</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 0193A4432 P338	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION O Ring Main Control Valve Flange	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3838.00
11. MAX / MIN 2 / 1	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>O Ring</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 0193A4432 P131	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION O Ring Pilot Valve Seat	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3829.00
11. MAX / MIN 2 / 1	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Relay</u>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 0103A1438 P051	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Closing cut-off and anti-pump relay	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3830.00
11. MAX / MIN 2 / 0	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <u>Switch</u>	2. ADJECTIVE <u>Latch</u>
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N 0179V0585 P004	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Latch Checking ("lc") Switch	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3831.00
11. MAX / MIN 2 / 0	12. COST



<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Rod</b>	2. ADJECTIVE <b>Lift</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>0188B9283 P001</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Lift Rod</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3832.00</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Stack</b>	2. ADJECTIVE <b>Baffle</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>0129C1957 G001</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Upper Baffle Stack</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3833.00</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

<b>(2) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Valve</b>	2. ADJECTIVE <b>Pressure</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>0153B9231</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Back Pressure Valve Complete Disassembled (with Adhesive)</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3834.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contact</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS <b>General Electric</b>	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>0153B5296 G001</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Lower Contact Stop</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3835.00</b>
11. MAX / MIN <b>4 / 2</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contact</b>	2. ADJECTIVE <b>Assembly</b>
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS <b>General Electric</b>	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>020A1776 G001</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Current Contact Finger Complete (Upper and Lower)</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3836.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contact</b>	2. ADJECTIVE <b>Fingers</b>
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS <b>General Electric</b>	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>0124C3244 P002</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>External Contact Fingers</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3837.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contact</b>	2. ADJECTIVE <b>External</b>
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N 0124C3211 P002	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION External Probe Contact	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3838.00
11. MAX / MIN 2 / 0	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Contact</b>	2. ADJECTIVE <b>Assembly</b>
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N 0153B6710 G001	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION External Contact Finger Assembly	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3839.00
11. MAX / MIN 2 / 1	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Transfer</b>	2. ADJECTIVE <b>Assembly</b>
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N 0203A1775 G001	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Transfer Finger Assembly Complete	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3840.00
11. MAX / MIN 2 / 0	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN Contact	2. ADJECTIVE Rod
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N 0104D5822	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Short Contact Rod (Lower)	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3842.00
11. MAX / MIN 2 / 0	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN Contact	2. ADJECTIVE Stop
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N 0153B5296 P001	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Upper Contact Stop	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3835.00
11. MAX / MIN 4 / 2	12. COST

<b>② ITEM DESCRIPTION</b>	
1. KEY NOUN Contact	2. ADJECTIVE Rod
3. MANUFACTURER CODE OR NAME General Electric	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N 0159C2847 G003	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION Long Contact Rod (Upper)	
9. SRS-EMS NO.	10. CAPTION / ITEM 56 / 3843.00
11. MAX / MIN 2 / 0	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Valve</b>	2. ADJECTIVE <b>Control</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>0178L0119 G030</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Main Control Valve Complete with Coil 125v dc (1 1/2 inch)</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3844.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE <b>Manhole</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>0173B6710 G001</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Man-hole Gasket</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3845.00</b>
11. MAX / MIN <b>6 / 1</b>	12. COST

<b>(Z) ITEM DESCRIPTION</b>	
1. KEY NOUN <b>Gasket</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P/N <b>0269A2017 G001</b>	7. SRS DRAWING / SPECS.
6. SIZE	
8. DESCRIPTION <b>Gasket Mechanism Housing</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3847.00</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

<b>2</b> ITEM DESCRIPTION	
1. KEY NOUN <b>Guage</b>	2. ADJECTIVE <b>Assembly</b>
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>026X0257 G001</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Oil Guage Assembly Complete</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3848.00</b>
11. MAX / MIN <b>2 / 1</b>	12. COST

<b>2</b> ITEM DESCRIPTION	
1. KEY NOUN <b>Crossarm</b>	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME <b>General Electric</b>	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N <b>0153B6709 G009</b>	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION <b>Crossarm and Lift Rod Assembly Complete</b>	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>56 / 3849.00</b>
11. MAX / MIN <b>2 / 0</b>	12. COST

<b>2</b> ITEM DESCRIPTION	
1. KEY NOUN	2. ADJECTIVE
3. MANUFACTURER CODE OR NAME	4. SUGGESTED VENDOR
ADDRESS	ADDRESS
PHONE NUMBER	PHONE NUMBER
5. MANUFACTURER P / N	PHONE NUMBER
6. SIZE	7. SRS DRAWING / SPECS.
8. DESCRIPTION	
9. SRS-EMS NO.	10. CAPTION / ITEM <b>/</b>
11. MAX / MIN <b>/</b>	12. COST

# SRP - SPARE PARTS DATA

EQUIP. ( 151-2L 6000-600-60 )

PAGE 1 of 2 REVISION 0

For Spare Parts Information not shown below, refer to:

APPROVALS	DATE
<i>[Signature]</i>	12/3/83
<i>[Signature]</i>	3/9/84
<i>[Signature]</i>	1/18/85

<b>ORIGINAL EQUIPMENT DATA</b>	MANUFACTURER <b>General Electric</b>	VENDOR --	
	Three Penn Center Plaza Philadelphia, PA 19102		
	DU PONT ORDER NO. <b>AXC 3102W</b>	MFGR'S ORDER NO. --	VENDOR'S ORDER NO. --
	BPF No. <b>213449</b>	VPF No. --	
	DU PONT DWG. NOS	MFGR'S DWG. NOS.	
		MFGR'S SERIAL NO. --	

QUANTITY	DESCRIPTION
1	<b>General Electric Oil Circuit Breaker, 2000-Amp Capacity Located at 151-2L ; Type FK-121-40000-7, S/N-0261A5721-201</b>

**REMARKS**

<b>MFGR'S PARTS LIST REFERENCE</b>	<b>COMPLETE SPARE MACHINES REQUIRED</b>
------------------------------------	---

DU PONT PART NO.	INSPECTION REQUIRED		MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.	MIN.
	NO*	YES**				
101	X		Catalog #0132A1590 P001 Pressure Governor Switch 63G	56-3820	2X	+0
102	X		Compressor Model "FGE" Catalog #0269A2223 P001	56-3871	2X	+0
103	X		"aa" Cut-Off Switch Catalog #006412114 P005	56-3872	2X	+0
104	X		Pressure Cut-Out and Alarm Switch (63-C-A) Catalog #0103A3679 P009	56-3873	2X	+0
105	X		Lock-out Switch (69 Switch) Catalog #006412114 P011	56-3874	2X	+0
106	X		"ac" Switch Catalog #0104C8047 G001	56-3875	2X	+0
107	X		Set of "O" rings for check valve Catalog #0195X0701 P006	56-3876	4+	1
108	X		"O" Ring - Pilot Armature Adapter Insert Catalog #0193A4432 P232	56-3877	2X	.1
109	X		"O" Ring - Main Control Valve Flange Catalog #0193A4432 P338	56-3878	2X	1
110	X		"O" Ring - Pilot Valve Seat Catalog #0193A4432 P131	56-3879	2X	1

\*If item does not require inspection, insert an "X" in the "NO" column.

\*\*When item requires inspection, insert in "YES" column: "V" for Vendor's Plant Inspection Required, or for SRP Inspection Required, insert "S1" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the % of each quantity to be inspected. Include under MFGR'S PART NAME AND PART NUMBER the inspecting Area Engineer's Work Group Number.

# PARTS DATA

EQUIP. N. 151-2L 6000-600-60

PAGE 2 of 2 REVISION 0

DU PONT PART NO.	INSPECTION REQUIRED		MFGR'S PART NAME AND PART NUMBER	CAPTION AND ITEM NUMBER	MAX.	MIN.
	NO.	YES**				
111	X		Closing cut-off and anti-pump relay 12HGA35B2 125v DC (52Y) Catalog #0103A1438 P051	56-3830	24	+0
112	X		Latch Checking ("lc") Switch Catalog #0179V0585 P004	56-3831	24	+0
113	X		Lift Rod Catalog #0188B9283 P007	56-3832	24	+0
114	X		Upper Baffle Stack Catalog #0129C1057 G001	56-3833	24	+0
115	X		Back Pressure Valve Complete Disassembled (with adhesive) Catalog #0153B9231 G001	56-3834	24	+0
116	X		Lower Contact Stop Catalog #0153B5296 P001	56-3835	44	# 2
117	X		Current Contact Finger Assembly Complete (Upper and Lower) Catalog #0203A1776 G001	56-3836	24	+0
118	X		External Contact Fingers Catalog #0124C3244 P003	56-3837	24	+0
119	X		External Probe Contact Catalog #0124C3211 P002	56-3838	24	+0
120	X		External Contact Finger Assembly Catalog #0153B6710 G001	56-3839	24	1
121	X		Transfer Finger Assembly Complete Catalog #0203A1775 G001	56-3840	24	+0
	X		Lower Contact Stop Catalog #0153B5296 P001 <i>Not listed</i>		1	1
123	X		Short Contact Rod (Lower) Catalog #0104D5822 G002	56-3842	24	+0
P.P.	X		Upper Contact Stop Catalog #0153B5296 P001	56-3835	44	+2
124	X		Long Contact Rod (Upper) Catalog #0159C2847 G003	56-3843	24	+0
125	X		Main Control Valve Complete with Coil 125v dc (1-1/2 inch) Catalog #0178L0119 G030	56-3844	24	+0
126	X		Gasket-Manhole Catalog #0173A9024 P008	56-3845	64	1
	X		External Contact Finger Assembly Complete Catalog #0153B6710 G001		1	1
126	X		Gasket Mechanism Housing Catalog #0269A2017 G001	56-3847	24	1
129	X		Oil Gage Assembly Complete Catalog #0263X0257 G001	56-3848	24	+0
130	X		Crossarm and Lift Rod Assembly Complete Catalog #0153B6709 G009	56-3849	24	+0

\*If item does not require inspection, insert an "X" in the "NO" column.  
 \*\*When item requires inspection, insert in "YES" column: "V" for Vendor's Plant Inspection Required, or for SRP Inspection Required, insert "S1" for Class 1, "S2" for Class 2, or "S3" for Class 3, and the % of each quantity to be inspected. Include under MFGR'S PART NAME AND PART NUMBER the inspecting Area Engineer's Work Group Number.