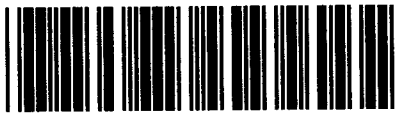
Control Number: 39542



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DOCKET NO. 39542

APPLICATION OF BANDERA ELECTRIC COOPERATIVE, INC. FORAPPROVAL OF TRANSMISSION COST OF SERVICE AND WHOLESALE TRANSMISSION RATES	§ § § § § §	PUBLIC UTILITY COMMISSION OF TEXAS

SUPPLEMENTAL RESPONSE OF BANDERA ELECTRIC COOPERATIVE, INC. TO QUESTION BA1-8 OF COMMISSION STAFF'S FIRST RFI TO BANDERA ELECRIC COOPERATIVE, INC.

Bandera Electric Cooperative, Inc. ("BEC"), files this Supplemental Response to Question BA1-8 Commission Staff's First RFI to Bandera Electric Cooperative, Inc. in the above styled and numbered proceeding, as follows:

I. Written Responses

Attached hereto and incorporated herein by reference is BEC's written response to the aforementioned request for information. The response is set forth on or attached to a separate page on which the request has been restated. This response is made without waiver of BEC's right to contest the admissibility of any matters upon hearing. BEC stipulates that its response may be treated by all parties exactly as if it were filed under oath.

II. Inspections

In those instances where materials are to be made available for inspection or where the materials are voluminous, the response will so state. Voluminous materials and materials available for inspection may be inspected at the offices of McGinnis, Lochridge & Kilgore, L.L.P. Please Call Shawn P. St. Clair in advance for an appointment; telephone 512/495-6071.

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Respectfully submitted,

McGINNIS, LOCHRIDGE & KILGORE, L.L.P.
600 Congress Avenue #2100
Austin, Texas 78701
(512) 495-6071
(512) 505-6371 FAX
sstclair@mcginnislaw.com

By: Shawn St Clair

Shawn P. St. Clair
State Bar No. 19088800
Campbell McGinnis
State Bar No. 13630500

ATTORNEYS FOR BANDERA ELECTRIC COOPERATIVE, INC.

CERTIFICATE OF SERVICE

I hereby certify that a true and complete copy of the above and foregoing Supplemental Response has been mailed, first class mail, postage prepaid, hand-delivered, and/or emailed or telecopied to PUC Staff, on this the 28 day of July, 2011.

Shawn St Clair

DOCKET NO. 39542

APPLICATION OF BANDERA ELECTRIC COOPERATIVE, INC. FORAPPROVAL OF TRANSMISSION COST OF SERVICE AND WHOLESALE TRANSMISSION RATES	§ § § § § §	**PUBLIC UTILITY COMMISSION OF TEXAS**

SUPPLEMENTAL RESPONSE OF BANDERA ELECTRIC COOPERATIVE, INC. TO QUESTION BA1-8 OF COMMISSION STAFF'S FIRST RFI TO BANDERA ELECRIC COOPERATIVE, INC.

BA1-8 Please provide the workpapers that show how Transmission revenues on WP/E-5 were calculated. Also, provide a copy of the lease agreement with LCRA.

RESPONSE:

LCRA calculated and provided the 2012 lease year revenues of $1,187,878 shown on WP/E-5. A copy of the lease agreement with LCRA is attached.

Supplemental Response: See attached Lease.

Prepared by: Judy K. Lambert and Brian Bartos
Sponsored by: Judy K. Lambert

THE STATE OF TEXAS §
§
COUNTY OF TRAVIS §

FACILITIES AND PREMISES LEASE AND OPERATING AGREEMENT

This Facilities and Premises Lease and Operating Agreement is made by and between the Bandera Electric Cooperative, Inc. of Bandera , Bandera County, Texas, (hereafter "Lessor"), and the Lower Colorado River Authority, whose principal office is located in Austin, Travis County, Texas (hereafter "LCRA"), for and in consideration of the mutual covenants and agreements set forth in this Lease, other good and valuable consideration, and the mutual benefits to accrue to each party hereunder, Lessor and LCRA hereby agree as follows:

1. DEFINITIONS

1.1 "Agreement" or "Lease" shall mean this Facilities and Premises Lease and Operating Agreement between LCRA and Lessor.

1.2 "Lessor" shall mean the Bandera Electric Cooperative, Inc.

1.3 "LCRA" shall mean the Lower Colorado River Authority created by and operating under and pursuant to the provisions of Chapter VII of the General Laws enacted by the 43rd Legislature of the State of Texas in its fourth called session, as amended.

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1.4 "Facilities" shall mean those facilities owned by the Lessor listed and described in Exhibit A, "Facility Schedule," of this Agreement, attached hereto and made a part hereof ("Exhibit A"), together with the premises upon which the facilities are situated, whether by easement or by fee. Each year, Exhibit A shall be amended or updated in sufficient time to make the recalculation as specified in Section 11.2 herein but no later than on or before March 1 of each year during the term of this Agreement to include any and all additions, deletions, retirements, improvements, or alterations. No such additions, deletions, retirements, improvements or alterations may be included in Exhibit A except as provided in LCRA's Line Extension Policy as may be amended from time to time.

2. GRANTING CLAUSE

2.1 Lessor hereby grants to LCRA the exclusive right to use, connect to and operate Lessor's Facilities described in Exhibit A, together with the premises upon which such Facilities are situated, whether by easement or by fee, as part of LCRA's transmission system.

3. TERM

3.1 The term of this Lease shall be perpetual. Either party may terminate this Lease of Facilities only upon written five-year notice of the intent to terminate, except as provided in paragraph 9 below.

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3.2 The parties agree that this Lease shall become effective on the first day of the month following the date that tariffs reflecting the cost of this Lease are approved by the Public Utility Commission (hereafter "Commission").

4. PROPERTY TO BE LEASED

4.1 Lessor shall retain legal title to all of the Facilities and their respective easements listed and described in Exhibit A above and all rights and obligations appurtenant thereto unless explicitly conveyed by this Lease. This Lease shall not in any way impede or restrict Lessor's rights to pledge or otherwise encumber said Facilities.

4.2 LCRA does hereby recognize and acknowledge that the Facilities may have been pledged or encumbered, or will be pledged or encumbered, by Lessor and that this Lease shall not be interpreted as to contravene the provisions or constitute a default under the terms of, and is hereby subordinated in all respect to, any indenture, mortgage, contract, resolution or other instrument to which Lessor is, or may be, a party or by which Lessor is, or may be, bound and LCRA shall not, pursuant to this Lease assert any superior right or title over any such indenture, mortgage, contract, resolution or other instrument. LCRA will execute, at Lessor's request or at the request of Lessor's lender for whose benefit such indenture, mortgage, contract, resolution or other instrument was created, any instruments requested to evidence such subordination.

5. OPERATIONS AND MAINTENANCE

5.1 During the term of this Lease, LCRA shall utilize its best efforts to operate the Facilities in a reliable and efficient manner so long as the Facilities are made available to LCRA pursuant to the terms of this Lease.

5.2 Subject to any duties imposed on the parties under Article 8, the maintenance and repairs of the Facilities shall be the responsibility of the Lessor and shall be performed according to maintenance schedule developed by mutual agreement between LCRA and Lessor utilizing standards developed by the Maintenance Task Force as described in 6.1.

5.3 Lessor may, upon mutual agreement with LCRA, contract with LCRA to have LCRA perform some or all maintenance or repairs on the facilities.

5.4 During the term of this Lease, LCRA shall have the right to control and direct the operation of the Facilities as an integral part of the LCRA's transmission system. This includes but is not limited to the following:

5.4.1 Directing all operation of the Facilities and taking any action considered by LCRA as necessary to provide reliable service to all of LCRA's customers;

5.4.2 Installing System Control and Data Acquisition (SCADA) equipment, communications equipment, and related appurtenances as required by LCRA to provide telemetry and remote control of the

Facilities. SCADA equipment for Facilities with a nominal rating of less than 69 kV shall be the responsibility of the Lessor.

5.4.3 Performing inspections for the purpose of determining the condition of the Facilities, for the purpose of identifying and labeling the Facilities in accordance with LCRA's internal property and accounting codes, and for the purpose of determining the need for the maintenance of or improvements to the Facilities; and

5.4.4 Installing and maintaining metering equipment, relaying equipment, and related appurtenances to the Facilities.

5.5 Under this Agreement, LCRA shall:

5.5.1 Be responsible for all operating activities regarding the Leased Facilities, including compliance with all applicable laws and regulations.

5.5.2 Provide to Lessor a reasonable outage schedule for the Facilities for the purpose of scheduling routine maintenance as developed in 5.2.

5.5.3 Approve all switching operations of 69 kV or higher voltage equipment or apparatus.

5.6 Under this Agreement, Lessor shall:

5.6.1 Conduct all maintenance and repairs of the Facilities including, but not limited to:

5.6.1.1. Periodic patrols and inspection of the Facilities and right-of-way areas;

5.6.1.2. Periodic clearing of right-of-way areas;

5.6.1.3. Replacement of worn or broken insulators;

5.6.1.4. Repair of towers, foundations and guy wires;

5.6.1.5. Routine substation inspection, including routine maintenance and repair of worn or broken parts;

5.6.2 Pay all ad valorem taxes or other taxes on the Facilities;

5.6.3 Maintain adequate insurance for the Facilities;

5.6.4 Pay all debt service requirements as may be required under Lessor's existing or future mortgages and/or encumbrances for the Facilities; and

5.6.5 Provide qualified patrolmen to perform switching operations and line patrol.

5.7 If inspections of Facilities by LCRA show that Facilities do not meet the standards established by the Maintenance Task Force, LCRA shall promptly notify the Lessor, and the Lessor shall develop a plan for LCRA's review and approval by which the Facilities can be improved to comply with the standards. Any and all such improvements shall be completed within twelve months of the initial notification.

6. MAINTENANCE TASK FORCE

6.1 During the term of this Lease, LCRA shall establish a task force comprised of two representatives of LCRA and four representatives of the wholesale customers served by LCRA for the purpose of developing standards for the maintenance of all customer-owned transmission facilities which have been leased to LCRA. The four representatives of the wholesale customers shall be appointed by the Association of Wholesale Customers and shall consist of as minimum three representatives from wholesale customers that lease facilities to LCRA. Lessor agrees to maintain the Facilities in accordance with the standards developed by said task force, recognizing industry standards and applicable state law.

7. ADDITIONS EXTENSION AND IMPROVEMENTS

7.1 Any improvements, alterations or additions made to the Facilities by LCRA or any equipment installed by LCRA as part of the Facilities are the property of the LCRA and LCRA shall be entitled to remove such equipment or improvements at the

termination of this Lease. If LCRA and Lessor mutually agree that removal of equipment would remove functional equipment required by Lessor and would place a significant burden on Lessor, then Lessor would have first right to purchase LCRA's equipment at its depreciated value.

8. LIABILITY

8.1 Lessor agrees to indemnify, hold harmless, and defend LCRA from any and all claims, judgments, causes of action, damages (including damages to persons, property, or natural resources), or any other type of injury whatsoever which may arise from Lessor's actions or omissions in connection with LCRA's use and operation of the Facilities in connection with this agreement.

8.2 LCRA agrees to indemnify, hold harmless, and defend Lessor from any and all claims, judgments, causes of action, damages (including damages to persons, property, or natural resources), or any other type of injury whatsoever which may arise from LCRA's actions or omissions in connection with LCRA's use and operation of the Facilities in connection with this agreement.

9. PERFORMANCE FAILURE

9.1 In addition to any other remedies which LCRA may have at law or equity, should Lessor fail to abide by the terms and conditions of this Lease, LCRA shall be entitled to operate, connect to and use the Lessor's Facilities as contemplated by the terms of this Lease, and LCRA shall be entitled to cease

payment of compensation to Lessor associated with this Lease until such failure is cured by Lessor. Furthermore, until such failure is cured, Lessor shall not be entitled to participate in any future Lease agreements with LCRA regarding the Facilities, nor shall Lessor be entitled to receive any monetary credit for the use of Lessor's Facilities.

9.2 Should Lessor fail to perform operation and maintenance functions as described in this Lease, LCRA has the right to perform such operation and maintenance functions and charge Lessor all costs associated with the work performed.

10. REGULATORY APPROVAL

10.1 The parties recognize and agree that the terms and conditions of this Lease may be subject, in whole or in part, to the approval of the Public Utility Commission of Texas or its successor (hereafter "Commission") pursuant to Tex. Rev. Civ. Stat. Ann., art. 1446c, as may be amended from time to time. In the event that such approval is either not received or in the event that the terms and conditions of this Lease are modified or altered by the Commission, both LCRA and Lessor shall have the right upon (90) days' written notice to cancel this Lease.

11. COMPUTATION OF PAYMENTS

11.1 Subject to provisions of Article 10 above, LCRA shall pay to Lessor on or before the 10th day of each calendar month one-twelfth of the Annual Lease Payment for Lessor's Facilities. Lessor may elect which form of payment at the

initiation of this Lease and not less than annually thereafter. The Annual Lease Payment shall be calculated using the following formula:

ALP = ((O - ACCDEP) * (WCD *C)) + (O * OM)

ALP	Annual Lease Payment
O	Original Cost of Leased Facilities as determined by LCRA independent auditor.
ACCDEP	Accumulated depreciation of leased facilities depreciated using LCRA depreciation rates as approved in most recent electric rate case and in service dates of facilities and original cost as identified by independent audit.
WCD*C	LCRA's embedded cost of debt as included in its electric rates determined in its last approved wholesale electric rate case multiplied by 1.25.
OM	Operation and maintenance factor as recommended by the AWC Rate Design Committee at the time of LCRA's most recent wholesale electric rate case but not more than five years from the most recent renegotiation of the OM factor. The initial OM factor shall be 0.022.

11.2 The Annual Lease Payment in 11.1 above shall be recalculated annually based upon Lessor's original cost of lease facilities and associated accumulated depreciation recalculated as stated above. After receipt of a revised Exhibit A in accordance with section 1.4 herein LCRA shall recalculate the annual lease payment as specified in section 11.1 herein ("annual recalculation"). The payment of the recalculated amounts shall begin on May 10 and shall continue until the next annual recalculation. Lessor shall provide annual reports to LCRA detailing original cost of all additions, replacements, and retirements to Leased Facilities. This information will be complied annually as of December 31 of the preceding year for presentation to the AWC Power Supply and Transmission Committee for review and approval of all addition, retirement, and replacement costs to be included in the annual recalculation. Lessor will make available to LCRA or its auditors, all books/records of Lessor which verify these amounts. LCRA shall have the right to audit all information provided by Lessor.

11.3 Lessor shall assess a late payment penalty of one percent (1%) per month on any payments not received by the fifteenth day of the month.

12. OTHER COSTS

12.1 All other costs associated with the ownership of the Facilities shall remain with the Lessor, except as otherwise provided herein.

12.2 LCRA shall not be liable to Lessor for transmission wheeling charges or line losses resulting from LCRA's use of said Facilities.

13. ASSIGNABILITY

13.1 This Agreement shall not be assignable by either party, nor shall the facilities be subleased by LCRA except by the written consent of the other party and approved by the appropriate Board of Directors. Such consent shall not be unreasonably withheld.

14. FACILITY ACCESS

14.1 Lessor hereby grants LCRA license and permission to enter upon the premises and easements of Lessor for the purpose of performing the work or any other activities associated with or contemplated by this lease.

14.2 Throughout the term of this Lease, Lessor shall have access to the Facilities at all reasonable times for all purposes including but not limited to inspection, conducting inventories, and the installation of equipment contemplated by this Lease.

14.3 Except in the case of emergency, prior to LCRA's access of the Facilities, LCRA will provide notification to Lessors operations personnel. Except in the case of emergency, prior to Lessor's access of any transmission Facilities whether owned or leased by LCRA, Lessor shall notify LCRA's System Operations Control Center.

15. NOTICES

15.1 Notices required to be given to either party to this Lease shall be given personally or by registered or certified mail, postage prepaid, addressed to the party at its address as set forth below. If such notice is given by mail, the notice shall be deemed delivered as of the date of deposit in the United States mail. Either party may change the address to which notices are to be sent by giving the other party written notice in the manner provided in this paragraph.

16. MISCELLANEOUS PROVISIONS

16.1 This Lease contains the entire agreement between the parties relating to the Lease granted in this agreement. Any oral representations or modifications concerning the Lease shall be of no force and effect, provided, however, that this Lease may be altered in the future by written agreement by the parties after review by Power Supply and Transmission Task Force and adoption by the LCRA Board of Directors.

16.2 Any alteration of this Lease in the future by written agreement by the parties shall be subject to the provisions of the LCRA Board of Directors Policy PEC 602.00.

16.3 If any LCRA wholesale electric customer executes a Facilities and Premises Lease and Operating Agreement in any form other than this Agreement, Customer shall have the right to adopt such agreement in place of this Agreement.

16.4 Except as specifically provided hereinabove, in case any one or more of the provisions contained in this Lease is held

to be invalid, illegal, or unenforceable in any respect for any reason, such invalidity, illegality, or unenforceability shall not affect any other provision of the Lease, and this Lease shall be construed as if the invalid, illegal, or unenforceable provision had never been included.

Executed in multiple originals in Travis County, Texas, this 29th day of October, 1990.

LOWER COLORADO RIVER AUTHORITY

By: _____

Mark Rose
Deputy General Manager

BANDERA ELECTRIC COOPERATIVE, INC

By: _____

EXHIBIT A

Inventory of Transmission Line, Substation, and Relay Control Facilities leased by LCRA from

BANDERA ELECTRIC COOPERATIVE, INC.

Totals for Leased Facilities as of October 31, 1989

Original Cost	$ 4,637,949
Accumulated Depreciation	1,597,135
Net Book Value	3,040,814

4934C

TRANSMISSION LINE INVENTORY

NAME OF UTILITY BANDERA ELECTRIC COOP *

FROM/TO VERDE CREEK TO BANDERA MILEAGE 15.21

CONDUCTOR SIZE/TYPE 336 ACSR

SHIELD SIZE 3/8 HS

STRUCTURE TYPE WOOD H-FRAME

UNDERBUILD? NO

YEAR INSTALLED 1981

DATE OF LAST OVERHAUL N/A

FROM/TO PIPE CREEK TO CICO MILEAGE 8.51

CONDUCTOR SIZE/TYPE 4/0 ACSR

SHIELD SIZE 3/8 HS

STRUCTURE TYPE SP WOOD TS-1

UNDERBUILD? YES- 4 OR 5 SPANS SINGLE PHASE #4 ACSR

YEAR INSTALLED 1967

DATE OF LAST OVERHAUL N/A

* Facilities listed in this inventory as "underbuild" are expressly and specifically excluded from the terms and conditions of the Facilities and Lease Agreement, and shall Remain the sole Responsibility of the Lessor.

4934C

TRANSMISSION LINE INVENTORY

NAME OF UTILITY BANDERA ELECTRIC COOP

FROM/TO PIPE CREEK TO BANDERA MILEAGE 15.22

CONDUCTOR SIZE/TYPE 4/0 ACSR

SHIELD SIZE 3/8 HS

STRUCTURE TYPE SP WOOD TS-1

UNDERBUILD? YES- 10 OR 15 SPANS SINGLE PHASE # 4 ACSR

YEAR INSTALLED 1964

DATE OF LAST OVERHAUL N/A

FROM/TO PIPE CREEK TO MEDINA LAKE MILEAGE 7.84

CONDUCTOR SIZE/TYPE 1/0 ACSR

SHIELD SIZE 3/8 HS

STRUCTURE TYPE SP WOOD-TS-1

UNDERBUILD? NO

YEAR INSTALLED 1964

DATE OF LAST OVERHAUL N/A

4934C

TRANSMISSION LINE INVENTORY

NAME OF UTILITY BANDERA ELECTRIC COOP

FROM/TO BANDERA TO MEDINA CITY MILEAGE 11.85

CONDUCTOR SIZE/TYPE 4/0 ACSR

SHIELD SIZE 3/8 HS

STRUCTURE TYPE SP WOOD TS-1

UNDERBUILD? YES- 10 OR 12 SPANS 2/0 ACSR 3 PHASE

YEAR INSTALLED 1970

DATE OF LAST OVERHAUL N/A

FROM/TO BANDERA TO UTOPIA MILEAGE 27.11

CONDUCTOR SIZE/TYPE 1/0 ACSR

SHIELD SIZE 3/8 HS

STRUCTURE TYPE SP WOOD TS-1

UNDERBUILD? NO

YEAR INSTALLED 1952

DATE OF LAST OVERHAUL N/A

4934C

TRANSMISSION LINE INVENTORY

NAME OF UTILITY BANDERA ELECTRIC COOP

FROM/TO UTOPIA TO LEAKEY MILEAGE 17.99

CONDUCTOR SIZE/TYPE 4/0 ACSR

SHIELD SIZE 3/8 HS

STRUCTURE TYPE SP WOOD TS-1

UNDERBUILD? YES - 30 TO 35 SPANS 2/0 ACSR 3 PHASE

YEAR INSTALLED 1969

DATE OF LAST OVERHAUL N/A

LINE SWITCHES OUTSIDE OF SUBSTATION? NO

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PREPARED BY LCRA SUBSTATION DESIGN

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BEC

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BANDERA (BEC CUSTOMER OWNED)

GENERAL NOTES

COUNTY	TOWN	CITY LIMITS	ACCESS ROADS
BANDERA	BANDERA	N	STATE HWY 16

REAL ESTATE

SOIL	STATION SURFACE	FENCE TYPE	HEIGHT	EXT ARM	# STR BARBED	GATE TYPE & SIZE
LOAM	GRAVEL	CHAIN LINK	6	1	3	5 DBL DRIVE 16 WALK GATE 4

BUILDING

USE	TYPE OF CONSTRUCTION	WIDTH	LENGTH	INSULATED	FLOOR	NO. DOORS	NO. WINDOWS	AC	REST ROOM	BATTERY ROOM
CONTROL HOUSE	METAL	24	24	Y	SLAB	2	N	Y	N	Y

BOX STRUCTURE

GENERAL INFORMATION							COLUMNS				HORIZONTAL MEMBERS			
KV OPER	TYPE	WIDTH (FT)	LENGTH (FT)	HEIGHT (FT)	NO. HV BAYS	NO. LV. BAYS	LATTICED	CROSS SEC.	STRUC SHAPE	OTHER	BOX TRUS	CROSS SEC.	STRUC SHAPE	OTHER
69	STEEL	64	64	35	8		9				23			

STRUCTURAL MODULES

QUANTITY	DESCRIPTION
10	LV A-FRAME
8	UPPER TRUSS FOR LV A-FRAME
16	LOWER TRUSS FOR LV KV A-FRAME
1	PWT REGULATOR STR
3	HEAVY DUTY A-FRAME STR
2	36 FT TRUSS FOR HEAVY DUTY A-FRAME
5	138 KV, 8 FT SWITCH STAND
4	138 KV, 17 FT SWITCH STAND
1	138 KV, 12 FT CIRCUIT SWITCHER STAND
27	138 KV SINGLE PHASE, 12 FT 3 5/8 RIGID BUS SUPPORT

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STRUCTURAL MODULES

QUANTITY	DESCRIPTION
5	138 KV 3 PHASE, 20 FT 4 RIGID BUS SUPPORT
1	69KV, 12' SWITCH SWITCH STAND
2	40 FT STATIC STR

BUSS

TYPE	KV	MATERIAL	SIZE	INSULATORS
OPERATING	69	CU	1/0	10 SUS
TRANSFER	69	CU	1/0	10 SUS
OPERATING	138	AL TUBING	4 IPS	TR 288
TRANSFER	138	AL TUBING	4 IPS	TR 288
OPERATING	25	AL ANGLE	3 1/4X3 1/4X1/4	TR 208
TRANSFER	25	AL ANGLE	3 1/4X3 1/4X1/4	TR 208

CIRCUIT BREAKERS

COMPANY NUMBER	CIRCUIT ID	LINE NO.	SERIAL NUMBER	KV	CONT AMPS	IC AMPS	TYPE OR CATALOG NO.	MFG	VN
1100	PIPE CREEK	1B2	40483-2	145	1200	20KA	B20-145-20-7	SA	
2100	VERDECK	1B1	40483-1	145	1200	20KA	B20-145-20-7	SA	
550	UTOPIA	5	22387-1	69	1200	2500	L80-69-3500-1	AC	
650	MEDINA	6	35529-1	69	1200	2700	L80-69-3500-1	AC	

CIRCUIT SWITCHERS

CIRCUIT ID. / SERIAL NUMBER	TYPE / COMPANY#	KV RATE	CONT AMPS	IC KA	CATALOG NUMBER	MFG	VEND NO.	M.O. SERIAL NO.	M.O. CATALOG NUMBER
PWT-1 / 32132	MFB / CS-1000	145	1200	10	LINE BACKER	SA			

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FUSE CUT-OUTS

COMPANY NUMBER	KV	TYPE	# CONT U	AMPS	MFG
F1	25	XS	2	200	S&C
F2	25	XS	3	200	S&C
F3	25	XS	3	200	S&C

POTENTIAL TRANSFORMERS

	SERIAL NUMBER	KV RTG	PRIMARY VOLTAGE	SECONDARY VOLTAGE	RATIO	TYPE	CATALOG NUMBER	MFG	VEND NO.
PT-1 : PWT-1									
	N/A	15	7200	120	60:1			EI	
PT-2 : PWT-1									
	N/A	15	7200	120	60:1			EI	
PT-3 : 69 BOX									
	N/A	69						GE	

REGULATORS

COMPANY NUMBER	SERIAL NUMBER	KV RTG	CONT AMPS	KVA RTG	PHASE	TYPE	MFG	VEND NO.
REG-1	ZGS8063-1	69	209	2500	3	UTT	WH	

SURGE ARRESTERS

COMPANY NUMBER	CIRCUIT ID	KV	MCOV	TYPE	MFG TYPE	CATALOG NUMBER	NO. STACKS	UNITS STACK	MFG	VEND NO.
SA-1	UTOPIA	60		INTER			3	2		
SA-10	PWT	120		STAT			3	3		
SA-11	PWT	120		STAT			3	3		
SA-12	FEEDER	10		INTER			3	1		
SA-13	FEEDER	10		INTER			3	1		
SA-14	FEEDER	10		INTER			3	1		
SA-15	FEEDER	10		INTER			3	1		
SA-16	FEEDER	10		INTER			3	1		
SA-17	FEEDER	10		INTER			3	1		
SA-18	AUTO	60		INTER			3	2		
SA-2	MEDINA	60		INTER			3	2		
SA-3	BUS	60		INTER			3	2		

4934C

SURGE ARRESTERS

COMPANY NUMBER	CIRCUIT ID	KV	MCOV	TYPE	MFG TYPE	CATALOG NUMBER	NO. STACKS	UNITS STACK	MFG	VEND NO.
SA-4	REG	60		INTER			3	2		
SA-5	REG	60		INTER			3	2		
SA-6	LINE TO PIPE CREEK	120		INTER			3	3		
SA-7	LINE TO VERDE CREEK	120		INTER			3	3		
SA-8	AUTO	120		STAT			3	3		
SA-9	AUTO	12		INTER			3	1		

STATION SERVICE TRANSFORMERS

COMPANY NUMBER	CIRCUIT ID.	SERIAL NUMBER	VOLTAGE RTG	KVA RTG	IMP	TYPE	POL	MFG	VEND NO.
SS-1	TERTIARY	N/A	12470Y/7200:120'240V	37.5		1PH DIST		KUHL	
SS-2	PWT-1	N/A	12470Y/7200X24940Y/14400:	25		1PH DIST		WH	

SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	O	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
BA-11	FEEDER		25	600		HSS			TRN-208		S&C	
BA-13	FEEDER		25	600		HSS			TRN-208		S&C	
BA-19	FEEDER		25	600		HSS			TRN-208		S&C	
BA-21	FEEDER		25	600		HSS			TRN-208		S&C	
BA-23	FEEDER		25	600		HSS			TRN-208		S&C	
BA-29	FEEDER		25	600		HSS			TRN-208		S&C	
BA-31	FEEDER		25	600		HSS			TRN-208		S&C	
BA-33	FEEDER		25	600		HSS			TRN-208		S&C	
BA-39	FEEDER		25	600		HSS			TRN-208		S&C	
BA-41	FEEDER		25	600		HSS			TRN-208		S&C	
BA-43	FEEDER		25	600		HSS			TRN-208		S&C	
BA-49	FEEDER		25	600		HSS			TRN-208		S&C	
BA-5	AUTO TERTIARY		15	600		HSS			TR 205		S&C	
BA-51	FEEDER		25	600		HSS			TRN-208		S&C	
BA-53	FEEDER		25	600		HSS			TRN-208		S&C	
BA-59	FEEDER		25	600		HSS			TRN-208		S&C	
BA-6	BUS TIE		25	600		HSS			TRN-208		S&C	
BA-61	FEEDER		25	600		HSS			TRN-208		S&C	
BA-63	FEEDER		25	600		HSS			TRN-208		S&C	
BA-7	BUS TIE		25	600		HSS			TRN-208		S&C	
BA-8	PWT-1		25	1200		VAB			TRN-208		SA	
BA-9	FEEDER		25	600		HSS			TRN-208		S&C	
1001	PWT BUS		138	1200		VAB-CVB		H	TR 288		SAE	
1002	MOBILE SW		138	1200		VAB		H	TR 288		SA	
1013	AUTO	1A12	88	1200		VAB		H	TR 288		ITE	

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SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	O	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
1099	VERDE CK OCB	1A11	138	1200		VAB		H	TR 288		ITE	
1101	VERDE CK OCB	1A10	138	1200		VAB		H	TR 288		ITE	
1103	VERDE CK OCB	1A9	138	1200		VAB		H	TR 288		ITE	
2099	PIPECK OCB	1A6	138	1200		VAB		H	TR 288		ITE	
2101	PIPECK OCB	1A7	138	1200		VAB		H	TR 288		ITE	
2103	PIPECK OCB	1A8	138	1200		VAB		H	TR 288		ITE	
549	UTOPIA OCB		69	600		HSS			TR 147			
551	UTOPIA OCB		69	600		HSS			TR 147			
553	UTOPIA	1A3	69	600		VAB		H	TR 147		ABC	
600	BUS TIE	1A4	69	600		VAB		H	TR 216			
601	PT-3	1A1	69	600		VAB		H	TR 147			
602	PIPE CREEK	1A5	69	600		VAB		H	TR 147			
603	AUTO	1A13	69	600		VAB		H	TR 147		ROYAL	
649	MEDINA OCB		69	600		HSS			TR 147			
651	MEDINA OCB		69	600		HSS			TR 147			
653	MEDINA	1A2	69	600		VAB		H	TR 147		ABC	

TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND	% IMP	CLASS NO.	TYPE
PWT-1	T2	M-122540	138:12.47Y/7.2X24.94Y/14.4	12/16/20	3	GE		9.27	OA/FA/FA	

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STRUCTURAL MODULES

QUANTITY	DESCRIPTION
6	LV A-FRAME
5	UPPER TRUSS FOR LV A-FRAME
10	LOWER TRUSS FOR LV KV A-FRAME
1	LV 17 FT 6 SWITCH STAND
3	STANDARD A-FRAME DE STR
1	138 KV, V-SWITCH TRUSS FOR HEAVY DUTY AND STD A-FRAME
2	36 FT TRUSS FOR STD A-FRAME
1	138 KV, 12 FT CIRCUIT SWITCHER STAND
3	138 KV SINGLE PHASE, 20 FT 3 5/8 RIGID BUS SUPPORT

CIRCUIT SWITCHERS

CIRCUIT ID. / SERIAL NUMBER	TYPE / COMPANY#	KV RATE	CONT AMPS	IC KA	CATALOG NUMBER	MFG	VEND NO.	M.O. SERIAL NO.	M.O. CATALOG NUMBER
PWT-2 / 83-32975	MARK V / CS 5425	138	1200	30		S&C			

FUSE CUT-OUTS

COMPANY NUMBER	KV	TYPE	# U	CONT AMPS	MFG
F4	15	XS	1	200	S&C
F5	15	XS	3	200	S&C

POTENTIAL TRANSFORMERS

SERIAL NUMBER	KV RTG	PRIMARY VOLTAGE	SECONDARY VOLTAGE	RATIO	TYPE	CATALOG NUMBER	MFG	VEND NO.
PT-2 : PWT-2								
N/A	15	7200	120	60:1			WH	

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SURGE ARRESTERS

COMPANY NUMBER	CIRCUIT ID	KV	MCOV	TYPE	MFG TYPE	CATALOG NUMBER	NO. STACKS	UNITS STACK	MFG	VEND NO.
SA-10	FEEDERS	10		DIST			3	1		
SA-11	FEEDERS	10		DIST			3	1		
SA-12	FEEDER	10		DIST			3	1		
SA-7	PWT	120		STAT			3	3		
SA-8	PWT	12		STAT			3	1		
SA-9	FEEDER	10		DIST			3	1		

STATION SERVICE TRANSFORMERS

COMPANY NUMBER	CIRCUIT ID.	SERIAL NUMBER	VOLTAGE RTG	KVA RTG	IMP	TYPE	POL	MFG	VEND NO.
SS-2	PWT-2	N/A	12470V/7200:120'240V	25		1PH DIST		HOW	

SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	O	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
BO-48	BUSTIE		15	1200		VAB			TR-205			
BO-49	FEEDER		15	600		HSS			TR 4			
BO-51	FEEDER		15	600		HSS			TR 4			
BO-53	FEEDER		15	600		HSS			TR 4			
BO-59	TOTALIZING		15	1200		HSS			TR-4			
BO-61	TOTALIZING		15	1200		HSS			TR-4			
BO-63	TOTALIZING		15	1200		HSS			TR-4			
BO-69	FEEDER		15	600		HSS			TR 4			
BO-71	FEEDER		15	600		HSS			TR 4			
BO-73	FEEDER		15	600		HSS			TR 4			
BO-79	FEEDER		15	600		HSS			TR 4			
BO-81	FEEDER		15	600		HSS			TR 4			
BO-83	FEEDER		15	600		HSS			TR 4			
BO-89	FEEDER		15	600		HSS			TR 4			
BO-91	FEEDER		15	600		HSS			TR 4			
BO-93	FEEDER		15	600		HSS			TR 4			

TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND	% IMP	CLASS NO.	TYPE
PWT-2	T2	C-06672-5-1	138:24.694Y/14.4X12.47Y/7.2	12/16/20	3	ME		7.1	OA/FA/FA	LTC

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REAL ESTATE

SOIL	STATION SURFACE	FENCE TYPE	HEIGHT	EXT ARM	# STR BARBED	GATE TYPE & SIZE
CALICHE	CALICHE	CHAIN LINK	7	1	3	2 DBL DRIVE 16

BUILDING

USE	TYPE OF CONSTRUCTION	WIDTH	LENGTH	INSULATED	FLOOR	NO. DOORS	NO. WINDOWS	AC	REST ROOM	BATTERY ROOM
CONTROL HOUSE	METAL	10	10	N		1			N	N

BOX STRUCTURE

GENERAL INFORMATION							COLUMNS				HORIZONTAL MEMBERS			
KV OPER	TYPE	WIDTH (FT)	LENGTH (FT)	HEIGHT (FT)	NO. HV BAYS	NO. LV. BAYS	LATTICED	CROSS SEC.	STRUC SHAPE	OTHER	BOX TRUS	CROSS SEC.	STRUC SHAPE	OTHER
15	STEEL	15	24	25	1	5	4				4			4 FLAT
69	STEEL	28	28	32	4	1	4				4			4 FLAT

BUSS

TYPE	KV	MATERIAL	SIZE	INSULATORS
OPERATING	69	CU	1/0	10 SUS
OPERATING	15	CU	500	4 CLEV
TRANSFER	15	CU	500	4 CLEV

CIRCUIT BREAKERS

COMPANY NUMBER	CIRCUIT ID	LINE NO.	SERIAL NUMBER	KV	CONT AMPS	IC AMPS	TYPE OR CATALOG NO.	MFG	VN
10708	PIPE CREEK	4	22387-2	69	1200	25KA	L80-69-3500-1	AC	

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CICO (BEC CUSTOMER OWNED)

FUSES

COMPANY NUMBER	CIRCUIT ID	KV RTG	TYPE	# U	CONT AMPS	MOUNTING NUMBER	MFG MOUNT	FUSE SIZE	SPEED	TCC CURVE	CATALOG NUMBER	MFG	VEND NO.
F1	PWT	69	SMD-1A	3			S&C	65E	STANDARD	153-1			

FUSE CUT-OUTS

COMPANY NUMBER	KV	TYPE	# U	CONT AMPS	MFG
F2	15	XS	1	100	S&C

POTENTIAL TRANSFORMERS

SERIAL NUMBER	KV RTG	PRIMARY VOLTAGE	SECONDARY VOLTAGE	RATIO	TYPE	CATALOG NUMBER	MFG	VEND NO.
PT-1 : BUS								
N/A	15	7200	120	60:1			EI	

REGULATORS

COMPANY NUMBER	SERIAL NUMBER	KV RTG	CONT AMPS	KVA RTG	PHASE	TYPE	MFG	VEND NO.
REG-1	3-3738-01002-12	7.62	219	167	1	JFR	AC	
REG-1	3-3738-01002-10	7 62	219	167	1	JFR	AC	
REG-1	3-3738-01002-8	7.62	219	167	1	JFR	AC	

SURGE ARRESTERS

COMPANY NUMBER	CIRCUIT ID	KV	MCOV	TYPE	MFG TYPE	CATALOG NUMBER	NO. STACKS	UNITS STACK	MFG	VEND NO.
SA-1	BUS	60		INTER			3	2		
SA-3	FEEDER	10		STAT			3	1		
SA-5	FEEDER	10		INTER			3	1		
SA-6	PIPE CRK	60		INTER			3	2		

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STATION SERVICE TRANSFORMERS

COMPANY NUMBER	CIRCUIT ID.	SERIAL NUMBER	VOLTAGE RTG	KVA RTG	IMP	TYPE	POL	MFG	VEND NO.
SS-1		N/A	12470Y/7200:120/240V	10		1PH DIST		HOW	

SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	O	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
CO-11	TOTALIZING	REG	15	600		HSS/RBP			TR 208			
CO-13	TOTALIZING	REG	15	600		HSS/RBP			TR 208			
CO-29	FEEDER		15	600		HSS			TR 208			
CO-31	FEEDER		15	600		HSS			TR 208			
CO-33	FEEDER		15	600		HSS/FUSE			TR 208			
CO-49	FEEDER		15	600		HSS			TR 208			
CO-51	FEEDER		15	600		HSS			TR 208			
CO-53	FEEDER		15	600		HSS/FUSE			TR 208			
CO-9	TOTALIZING	REG	15	600		HSS/RBP			TR 208			
1006	PWT		69	600		VAB		H	TR 216		ITE	
1069	PIPE CREEK	OCB	69	600		HSS		H	TR 147		ABC	
1071	PIPE CREEK	OCB	69	600		HSS		H	TR 147		ABC	
1073	PIPE CREEK		69	600		VAB		H	TR 147		ABC	

TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND	% IMP	CLASS NO.	TYPE
PWT-1	T1	4639362	67:12.47Y/7.2	5	3	AC		7.0	OA/FA	

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BEC

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GENERAL NOTES

COUNTY	TOWN	CITY LIMITS	ACCESS ROADS
KENDALL	COMFORT	Y	PANKRATZ RD.

REAL ESTATE

SOIL	STATION SURFACE	FENCE TYPE	HEIGHT	EXT ARM	# STR BARBED	GATE TYPE & SIZE
LOAM	GRAVEL	CHAIN LINK	9	1	3	4 DBL DRIVE 16

STRUCTURAL MODULES

QUANTITY	DESCRIPTION
14	LV A-FRAME
10	UPPER TRUSS FOR LV A-FRAME
20	LOWER TRUSS FOR LV A-FRAME
3	138 KV SINGLE PHASE,12FT 3 5/8 RIGID BUS SUPPORT
2	PWT REGULATOR STR.25 FT SPACING
2	138 KV, 17 FT SWITCH STAND
3	138 KV SINGLE PHASE, 12 FT 3 5/8 RIGID BUS SUPPORT
5	138 KV 3 PHASE, 12 FT 10 7/8 RIGID BUS SUPPORT
6	138 KV 3 PHASE, 20 FT 4 RIGID BUS SUPPORT
1	40 FT STATIC STR

BUSS

TYPE	KV	MATERIAL	SIZE	INSULATORS
OPERATING	138	AL TUBING	3 1/2 IPS	TR 288
OPERATING	25	AL ANGLE	3 1/4X3 1/4X1/4	TR 208
TRANSFER	25	AL ANGLE	3 1/4X3 1/4X1/4	TR 208

FUSES

COMPANY NUMBER	CIRCUIT ID	KV RTG	TYPE	# CONT U	AMPS	MOUNTING NUMBER	MFG MOUNT	FUSE SIZE	SPEED	TCC CURVE	CATALOG NUMBER	MFG	VEND NO.
F1	PWT-1	69	SMD-1A	3			S&C	65E	SLOW	119-1			
F2	PWT-2	69	SMD-1A	3			S&C	65E	SLOW	119-1			

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FUSE CUT-OUTS

COMPANY NUMBER	KV	TYPE	# U	CONT AMPS	MFG
F3	25	XS	1	200	S&C
F4	25	XS	3	200	S&C
F5	25	XS	1	200	S&C
F6	25	XS	3	200	S&C

POTENTIAL TRANSFORMERS

	SERIAL NUMBER	KV RTG	PRIMARY VOLTAGE	SECONDARY VOLTAGE	RATIO	TYPE	CATALOG NUMBER	MFG	VEND NO.
PT-1 : PWT-1									
	N/A	25	14400	120	60:1	EI		EI	
PT-2 : PWT-2									
	N/A	25	14400	120	60:1	EI		EI	

REGULATORS

COMPANY NUMBER	SERIAL NUMBER	KV RTG	CONT AMPS	KVA RTG	PHASE	TYPE	MFG	VEND NO.
REG-1	9-2140-00210-29	7.62	219	167	1	JFR	AC	
REG-1	9-2140-00210-10	7.62	219	167	1	JFR	AC	
REG-1	9-2140-00210-23	7.62	219	167	1	JFR	AC	
REG-2	3-3757-02774-10	14.4	300	432	1	JFR	AC	
REG-2	3-3757-02774-14	14.4	300	432	1	JFR	AC	
REG-2	3-3757-02774-15	14.4	300	432	1	JFR	AC	

SURGE ARRESTERS

COMPANY NUMBER	CIRCUIT ID	KV	MCOV	TYPE	MFG TYPE	CATALOG NUMBER	NO. STACKS	UNITS STACK	MFG	VEND NO.
SA-1	PWT-1	60		INTER			3	1		
SA-2	PWT-2	60		STA			3	1		
SA-3	PWT-1	12		STAT			3	1		
SA-4	PWT-2	12		STAT			3	1		
SA-5	FEEDER	12		INTER			3	1		
SA-6	FEEDER	12		INTER			3	1		
SA-7	FEEDER	12		INTER			3	1		
SA-8	FEEDER	12		INTER			3	1		
SA-9	BUS	60		STAT			3	1		

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STATION SERVICE TRANSFORMERS

COMPANY NUMBER	CIRCUIT ID.	SERIAL NUMBER	VOLTAGE RTG	KVA RTG	IMP	TYPE	POL	MFG	VEND NO.
SS-1	PWT-1	N/A	12470/7200:120/240	15				ME	
SS-2	PWT-2	N/A	12470/7200:120/240	15				ME	

SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	O	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
CC-11	REG-1		25	600		HSS/RBP			TR 208		AC	
CC-13	REG-1		25	600		HSS/RBP			TR 208		AC	
CC-19	532		25	600		HSS			TR 208		AC	
CC-21	532		25	600		HSS			TR 208		AC	
CC-23	532		25	600		HSS			TR 208		AC	
CC-29	633		25	600		HSS			TR 208		AC	
CC-31	633		25	600		HSS			TR 208		AC	
CC-33	633		25	600		HSS			TR 208		AC	
CC-39	631		25	600		HSS			TR 208		AC	
CC-41	631		25	600		HSS			TR 208		AC	
CC-43	631		25	600		HSS			TR 208		AC	
CC-49	632		25	600		HSS			TR 208		AC	
CC-51	632		25	600		HSS			TR 208		AC	
CC-53	632		25	600		HSS			TR 208		AC	
CC-59	REG 2		25	600		HSS/RBP			TR 208		AC	
CC-61	REG 2		25	600		HSS/RBP			TR 208		AC	
CC-63	REG 2		25	600		HSS/RBP			TR 208		AC	
CC-7	BUS TIE PWT-1		25	600		HSS			TR 208		AC	
CC-8	BUS TIE PWT-2		25	600		HSS			TR 208		AC	
CC-9	REG-1		25	600		HSS/RBP			TR 208		AC	
1434	PWT-1		138	1200				H	TR-288		SA	
1435	PWT-2		138	1200				H	TR-288		SA	

TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND	% IMP	CLASS NO.	TYPE
PWT-1	T1	2-57698	67:12.47Y/7.2	5/5.6/7	3	KUHL		6.65	OA/OA/FA	
PWT-2	T2	GM258813	67:12.47Y/7.2X24.94Y/14.4	5/5.6/7	3	HDE		6.8	OA/OA/FA	

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BEC

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GENERAL NOTES

COUNTY	TOWN	CITY LIMITS	ACCESS ROADS
REAL	LEAKEY	N	US HWY 83

REAL ESTATE

SOIL	STATION SURFACE	FENCE TYPE	HEIGHT	EXT ARM	# STR BARBED	GATE TYPE & SIZE
LOAM	GRAVEL/ASPHALT	CHAIN LINK	7	1	3	2 DBL DRIVE 20

BUILDING

USE	TYPE OF CONSTRUCTION	WIDTH	LENGTH	INSULATED	FLOOR	NO. DOORS	NO. WINDOWS	AC	REST ROOM	BATTERY ROOM
CONTROL/WAREHOUS	METAL	24	50	Y	SLAB	2	3	Y	N	N

BOX STRUCTURE

GENERAL INFORMATION							COLUMNS				HORIZONTAL MEMBERS			
KV OPER	TYPE	WIDTH (FT)	LENGTH (FT)	HEIGHT (FT)	NO. HV BAYS	NO. LV. BAYS	LATTICED	CROSS SEC.	STRUC SHAPE	OTHER	BOX TRUS	CROSS SEC.	STRUC SHAPE	OTHER
69	STEEL	28	28	32	4	0	4				4			4 FLAT
15	STEEL	28	14	25	1	5	4				4			4 FLAT

BUSS

TYPE	KV	MATERIAL	SIZE	INSULATORS
OPERATING	69	CU	1/0	10 SUS
TRANSFER	69	CU	1/0	10 SUS
OPERATING	15	CU	2/0	10 SUS
TRANSFER	15	CU	2/0	10 SUS

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FUSES

COMPANY NUMBER	CIRCUIT ID	KV RTG	TYPE	# CONT U AMPS	MOUNTING NUMBER	MFG MOUNT	FUSE SIZE	SPEED	TCC CURVE	CATALOG NUMBER	MFG	VEND NO.
F-1	PWT-1	69	SMD-1A	3		S&C	65E	STANDARD	153-1			

FUSE CUT-OUTS

COMPANY NUMBER	KV	TYPE	# CONT U AMPS	MFG
F3	15	XS	1 200	S&C
F4	15	XS	3 200	S&C

POTENTIAL TRANSFORMERS

	SERIAL NUMBER	KV RTG	PRIMARY VOLTAGE	SECONDARY VOLTAGE	RATIO	TYPE	CATALOG NUMBER	MFG	VEND NO.
PT-1 : BUS	N/A	15	7200	120	60:1			WH	

REGULATORS

COMPANY NUMBER	SERIAL NUMBER	KV RTG	CONT AMPS	KVA RTG	PHASE	TYPE	MFG	VEND NO.
REG-1	3-3738-01002-9	7.62	219	167	1	JFR	AC	
REG-1	3-3738-01002-5	7.62	219	167	1	JFR	AC	
REG-1	3-3738-01438-15	7.62	219	167	1	JFR	AC	

SURGE ARRESTERS

COMPANY NUMBER	CIRCUIT ID	KV	MCOV	TYPE	MFG TYPE	CATALOG NUMBER	NO. STACKS	UNITS STACK	MFG	VEND NO.
SA-1	PWT-1	60		INTER			3	2		
SA-4	FEEDER	9		DIST			3	1		
SA-5	FEEDER	9		DIST			3	1		

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STATION SERVICE TRANSFORMERS

COMPANY NUMBER	CIRCUIT ID.	SERIAL NUMBER	VOLTAGE RTG	KVA RTG	IMP	TYPE	POL	MFG	VEND NO.
SS-1	PWT-1	N/A	12470Y/7200:120/240	10		1PH DIST		KUHL	

SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	O	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
LK-11	TOTALIZING	REGUL	15	600		HSS/RBP			TR-4		ABC	
LK-13	TOTALIZING	REGUL	15	600		HSS/RBP			TR-4		ABC	
LK-19	FEEDER		15	600		HSS			TR-4		ABC	
LK-21	FEEDER		15	600		HSS			TR4,205			
LK-23	FEEDER		15	600		HSS/FUSE			TR4,205			
LK-39	FEEDER		15	600		HSS			TR-4		ABC	
LK-41	FEEDER		15	600		HSS			TR4,205			
LK-43	FEEDER		15	600		HSS/FUSE			TR4,205			
LK-9	TOTALIZING		15	600		HSS/RBP			TR-4		ABC	
4000	UTOPIA		69	600		VAB		H	C&P		ABC	
4003	PWT-1		69	600		VAB		H	C&P		ABC	

TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND NO.	% IMP	CLASS	TYPE
PWT-1	T1	4490647	67:12.47/7.2	5/6.25	3	AC		7.1	OA/FA	

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BEC

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GENERAL NOTES

COUNTY	TOWN	CITY LIMITS	ACCESS ROADS
BANDERA	MEDINA	N	STATE HWY 16

REAL ESTATE

SOIL	STATION SURFACE	FENCE TYPE	HEIGHT	EXT ARM	# STR BARBED	GATE TYPE & SIZE
LOAM	GRAVEL/LOAM	CHAIN LINK	7	1	3	2 DBL DRIVE 16

BUILDING

USE	TYPE OF CONSTRUCTION	WIDTH	LENGTH	INSULATED	FLOOR	NO. DOORS	NO. WINDOWS	AC	REST ROOM	BATTERY ROOM
STORAGE	METAL	6	8	N	WOOD	1				

BOX STRUCTURE

GENERAL INFORMATION							COLUMNS				HORIZONTAL MEMBERS			
KV OPER	TYPE	WIDTH (FT)	LENGTH (FT)	HEIGHT (FT)	NO. HV BAYS	NO. LV. BAYS	LATTICED	CROSS SEC.	STRUC SHAPE	OTHER	BOX TRUS	CROSS SEC.	STRUC SHAPE	OTHER
69	STEEL	28	3	38	1	1	2				1			
15	STEEL	28	14	25	1	5	4				8			1 FLAT

BUSS

TYPE	KV	MATERIAL	SIZE	INSULATORS
OPERATING	69	CU	1/0	10 SUS
OPERATING	15	CU	2/0	10 SUS
TRANSFER	15	CU	2/0	10 SUS

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FUSES

COMPANY NUMBER	CIRCUIT ID	KV RTG	TYPE	# U	CONT AMPS	MOUNTING NUMBER	MFG MOUNT	FUSE SIZE	SPEED	TCC CURVE	CATALOG NUMBER	MFG	VEND NO.
F1	PWT-1	69	SMD-1A	3			S&C	65E	STANDARD	153-1			

FUSE CUT-OUTS

COMPANY NUMBER	KV	TYPE	# U	CONT AMPS	MFG
F2	15	XS	1	100	S&C
F3	15	XS	3	100	S&C

POTENTIAL TRANSFORMERS

SERIAL NUMBER	KV RTG	PRIMARY VOLTAGE	SECONDARY VOLTAGE	RATIO	TYPE	CATALOG NUMBER	MFG	VEND NO.
PT-1 : BUS								
N/A	15	7200	120	60:1	PTOM		WH	

REGULATORS

COMPANY NUMBER	SERIAL NUMBER	KV RTG	CONT AMPS	KVA RTG	PHASE	TYPE	MFG	VEND NO.
REG-1	3-3740-00309-13	7.62	150	114.3	1	JFR	AC	
REG-1	3-3740-00309-7	7.62	150	114.3	1	JFR	AC	
REG-1	3-3738-00772-33	7.62	150	114.3	1	JFR	AC	

SURGE ARRESTERS

COMPANY NUMBER	CIRCUIT ID	KV	MCOV	TYPE	MFG TYPE	CATALOG NUMBER	NO. STACKS	UNITS STACK	MFG	VEND NO.
SA-1	PWT	60		INTER			3	2		
SA-2	FEEDERS	9		DIST			3	1		
SA-3	FEEDERS	9		DIST			3	1		
SA-4	FEEDERS	9		DIST			3	1		

4934C

STATION SERVICE TRANSFORMERS

COMPANY NUMBER	CIRCUIT ID.	SERIAL NUMBER	VOLTAGE RTG	KVA RTG	IMP	TYPE	POL	MFG	VEND NO.
SS-1		N/A	12470Y/7200:120/240V	5		1PH DIST		GE	

SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	O	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
MD-11	TOTALIZING	REGUL	15	600		HSS/RBP			TR-4			
MD-13	TOTALIZING	REGUL	15	600		HSS/RBP			TR-4			
MD-19	NORTH PRONG	FEEDE	15	600		HSS			TR 4			
MD-21	NORTH PRONG	FEEDE	15	600		HSS			TR 4			
MD-23	NORTH PRONG	FEEDE	15	600		HSS/FUSE			TR 4			
MD-29	WEST PRONG	FEEDE	15	600		HSS			TR 4			
MD-31	WEST PRONG	FEEDE	15	600		HSS			TR 4			
MD-33	WEST PRONG	FEEDE	15	600		HSS/FUSE			TR 4			
MD-39	MEDINA CITY	FEEDE	15	600		HSS			TR 4			
MD-41	MEDINA CITY	FEEDE	15	600		HSS			TR 4			
MD-43	MEDINA CITY	FEEDE	15	600		HSS/FUSE			TR 4			
MD-9	TOTALIZING	REGUL	15	600		HSS/RBP			TR-4			
6A1	BANDERA	REGUL	69	600		VAB		H	TR147		ABC	

TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND	% IMP	CLASS NO.	TYPE
PWT-1	T1	2-48841	67:12.47Y/7.2	5	3	KUHL		7.26	OA/FA	LTC

49340

BEC

4934C