

GENERAL NOTES

COUNTY	TOWN	CITY	ACCESS
.....	.....	LIMITS	ROADS
BANDERA	PIPE CREEK	N	PARK RD 37 & FM 1283

REAL ESTATE

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

BUILDING

USE	TYPE OF	WIDTH	LENGTH	INSULATED	FLOOR	NO.	NO.	AC	REST	BATTERY
.....	CONSTRUCTION	.....	.....	.....	.....	DOORS	WINDOWS	.....	ROOM	ROOM
STORAGE	METAL	6	6	N	WOOD	1	0	0	0	0

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	3	28	32	2	1					1			1 FLAT
15	STEEL	14	28	25	5	1					11			

BUSS

TYPE	KV	MATERIAL	SIZE	INSULATORS
.....
OPERATING	69	CU	1/0	10*SUS
OPERATING	15	CU	4/0	6 SUSP
TRANSFER	15	CU	4/0	6 SUSP

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MEDINA LAKE (BEC CUSTOMER OWNED)

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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.
F1	PWT	69	SMD-1A	3		S&C	100E	STANDARD	153-1			

FUSE CUT-OUTS

COMPANY NUMBER	KV	TYPE	# CONT U AMPS	MFG
F2	15	XS	1 200	S&C

POTENTIAL TRANSFORMERS

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

REGULATORS

COMPANY NUMBER	SERIAL NUMBER	KV RTG	CONT AMPS	KVA RTG	PHASE	TYPE	MFG	VEND NO.
REG-1	05348-23	7.62	546	416.3	1	JFR	SA	
REG-1	05348-13	7.62	546	416.3	1	JFR	SA	
REG-1	05348-12	7.62	546	416.3	1	JFR	SA	

SURGE ARRESTERS

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

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MEDINA LAKE (BEC CUSTOMER OWNED)

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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	12470V/7200:120/240V	10		1PH DIST			

SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
ML-11	TOTALIZING	REG	15	1200		HSS/RBP		TR-4			
ML-13	TOTALIZING	REG	15	1200		HSS/RBP		TR-4			
ML-19	FEEDER		15	600		HSS		TR 4			
ML-21	FEEDERS		15	600		HSS		TR 4			
ML-23	FEEDERS		15	600		HSS/FUSE		TR-4			
ML-27	FEEDER		15	600		HSS		TR 4			
ML-31	FEEDER		15	600		HSS		TR 4			
ML-33	FEEDERS		15	600		HSS/FUSE		TR-4			
ML-39	FEEDER		15	600		HSS		TR 4			
ML-41	FEEDER		15	600		HSS		TR 4			
ML-43	FEEDERS		15	600		HSS/FUSE		TR-4			
ML-9	TOTALIZING	REG	15	1200		HSS/RBP		TR-4			
3A1	PIPE CREEK LINE		69	8000		VAB		TR-147		HIV	

TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND %	IMP	CLASS	TYPE
PWT-1	T1	272050-1	67:12.47V/7.2X24.94V/14.4	10	3	KUHL		6.78	0A/FA	

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PIPE CREEK

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PIPE CREEK (BEC CUSTOMER OWNED)

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GENERAL NOTES

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

REAL ESTATE

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

BUILDING

USE	TYPE OF CONSTRUCTION	WIDTH	LENGTH	INSULATED	FLOOR	NO. DOORS	NO. WINDOWS	AC REST ROOM	BATTERY ROOM
CONTROL HOUSE	METAL	6	6	N	SLAB	1	0	0	0

BOX STRUCTURE

KV OPER	TYPE	GENERAL INFORMATION				COLUMNS			HORIZONTAL MEMBERS					
		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	1	4				6			
15		12	24	25	5	1	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	4/0	6 CLEV
TRANSFER	15	CU	4/0	6 CLEV

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PIPE CREEK (BEC CUSTOMER OWNED)

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CIRCUIT BREAKERS

COMPANY NUMBER	CIRCUIT ID	LINE NO.	SERIAL NUMBER	KV	CONT AMPS	IC AMPS	TYPE OR CATALOG NO.	MFG	VN
3000	3 : MEDINA LAKE		223B7-3	69	1200	2500	LBO-69-3500-1		AC

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		69	SMD-1A	3			S&C	65E	STANDARD	153-1			

FUSE CUT-OUTS

COMPANY NUMBER	KV	TYPE	# U	CONT AMPS	MFG
F3	15	XS	1	200	S&C
F2	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	PTOM		WH

REGULATORS

COMPANY NUMBER	SERIAL NUMBER	KV RTG	CONT AMPS	KVA RTG	PHASE	TYPE	MFG	VEND NO.
REG-1	3-3738-01412-24	7.62	438	333	1	JFR	AC	
REG-1	3-3738-01412-12	7.62	438	333	1	JFR	AC	
REG-1	3-3738-01412-36	7.62	438	333	1	JFR	AC	

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SURGE ARRESTERS

COMPANY NUMBER	CIRCUIT ID	KV	MCOV	TYPE	MFG TYPE	CATALOG NUMBER	NO. STACKS	UNITS STACK	MFG NO.	VEND NO.
SA-1	MEDINA LAKE LINE	60		INTER			3	2		
SA-2	PWT	60		INTER			3	2		
SA-3	FEEDER	10		DIST			3	1		
SA-4	FEEDER	10		DIST			3	1		
SA-5	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-1		N/A	12470/7200:120/240V	10		1PH DIST			

SWITCHES

COMPANY NUMBER	CIRCUIT ID	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
PC-11	TOTALIZING	REG	15	600		HSS/RBP		TR-4			
PC-13	TOTALIZING	REG	15	600		HSS/RBP		TR-4			
PC-19	FEEDER		15	600		HSS		TR-4			
PC-21	FEEDER		15	600		HSS		TR-4			
PC-23	FEEDER		15	600		HSS/FUSE		TR-4			
PC-29	FEEDER		15	600		HSS		TR-4			
PC-31	FEEDER		15	600		HSS		TR-4			
PC-33	FEEDER		15	600		HSS/FUSE		TR-4			
PC-39	FEEDER		15	600		HSS		TR-4			
PC-41	FEEDER		15	600		HSS		TR-4			
PC-43	FEEDER		15	600		HSS/FUSE		TR-4			
PC-9	TOTALIZING	REG	15	600		HSS/RBP		TR-4			
3001	MEDINA LAKE		69	600		HSS		TR-147			
3009	MEDINA LAKE		69	600		HSS		TR-147			
7A1	BANDERA		69	600		VAB	H	TR-147		HIV	
7A2	PWT		69	600		VAB	H	TR-147		ABC	
7A3	MEDINA LAKE		69	600		VAB	H	TR-147		HIV	
7A4	CICO		69	600		VAB		TR-147		HIV	

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PIPE CREEK (BEC CUSTOMER OWNED)

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TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND %	IMP	CLASS	TYPE
PWT-1	T1	C-00086-5-3-SPA	67:7.56/13.09Y	2500KVA	1	PENN	7.6	OA		
PWT-1	T1	C-00086-5-1-CD	67:7.56/13.09Y	2500KVA	1	PENN	7.7	OA		
PWT-1	T1	C-00086-5-4-AD	67:7.56/13.09Y	2500KVA	1	PENN	7.5	OA		
PWT-1	T1	C-00086-5-2-B0	67:7.56/13.09Y	2500KVA	1	PENN	7.5	OA		

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TURTLE CREEK

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TURTLE CREEK (BEC CUSTOMER OWNED)

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GENERAL NOTES

COUNTY	TOWN	CITY	ACCESS
.....	LIMITS	ROADS
KERR	KERRVILLE	N	STATE HWY 16

REAL ESTATE

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

BUILDING

USE	TYPE OF	WIDTH	LENGTH	INSULATED	FLOOR	NO.	NO.	AC	REST	BATTERY
.....	CONSTRUCTION	.....	.....	.....	.....	DOORS	WINDOWS	ROOM	ROOM	ROOM
CONTROL HOUSE	METAL			N	WOOD	1	0	0	N	N

BOX STRUCTURE

GENERAL INFORMATION						COLUMNS			HORIZONTAL MEMBERS					
KV	TYPE	WIDTH	LENGTH	HEIGHT	NO. HV	NO. LV.	LATTICED	CROSS	STRUC	OTHER	BOX	CROSS	STRUC	OTHER
OPER	.....	(FT)	(FT)	(FT)	BAYS	BAYS	.....	SEC.	SHAPE	.....	TRUS	SEC.	SHAPE	.....
25	STEEL	10	36	25	1	3	.....	8-H	.....	.....	.....	7-H	3	FLAT

STRUCTURAL MODULES

QUANTITY	DESCRIPTION
1	PWT REGULATOR STR, 15 FT SPACING
1	PWT REGULATOR STR, 25 FT SPACING
1	STD A-FRAME DEAD END STR. FOR TERTIARY TRUSS

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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	# U	CONT AMPS	MOUNTING NUMBER	MFG MOUNT	FUSE SIZE	SPEED	TCC CURVE	CATALOG NUMBER	MFG	VEND NO.
F-1	PWT	138	SMD-2B	3			S&C	25E	STANDARD	153-1			
F-2	SS	23	SM-5	1	300E		S&C						

POTENTIAL TRANSFORMERS

SERIAL NUMBER	KV RTG	PRIMARY VOLTAGE	SECONDARY VOLTAGE	RATIO	TYPE	CATALOG NUMBER	MFG	VEND NO.
PT-1								
N/A		14400	120	120:1			SQD	

REGULATORS

COMPANY NUMBER	SERIAL NUMBER	KV RTG	CONT AMPS	KVA RTG	PHASE	TYPE	MFG	VEND NO.
REG-1	3-3756-04487-11	14.4	300	432	1	JFR	SA	
REG-1	3-3756-04487-12	14.4	300	432	1	JFR	SA	
REG-1	3-3756-04487-10	14.4	300	432	1	JFR	SA	

SURGE ARRESTERS

COMPANY NUMBER	CIRCUIT ID	KV	MCOV	TYPE	MFG TYPE	CATALOG NUMBER	NO. STACKS	UNITS STACK	MFG	VEND NO.
SA-1	PWT	120		STA			3	1		
SA-2	PWT	18		INTER			3	2		
SA-3	FEEDER	18		INTER			3	2		
SA-4	FEEDER	18		INTER			3	2		
SA-5	FEEDER	18		INTER			3	2		

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TURTLE CREEK (BEC CUSTOMER OWNED)

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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	12470V/7200X24940Y/14400	25					
								SUB RTE	

SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
TC-11&13	FEEDER		25	600		HSS/TANDEM		TR-206			
TC-19	FEEDER		25	600		HSS		TR-208			
TC-21&23	FEEDER		25	600		HSS/TANDEM		TR-206			
TC-29	FEEDER		25	600		HSS		TR-208			
TC-31&33	FEEDER		25	600		HSS/TANDEM		TR-206			
TC-39	TOTALIZING		25	600		HSS/RBP		TR-208		KRNV	
TC-41	TOTALIZING		25	600		HSS/RBP		TR-208		KRNV	
TC-43	TOTALIZING		25	600		HSS/RBP		TR-208		KRNV	
TC-9	FEEDER		25	600		HSS		TR-208			
3596	PWT		138	600		VAB	H	TR-283		SS	

TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND %	IMP	CLASS	TYPE
PWT-1	T1	GM-316186	138:24.94V/14.4X12.47V/7.2	7.5/9.4/10.5	3	HDE		7.7	0A/FA/FA	

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UTOPIA

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UTOPIA (BEC CUSTOMER OWNED)

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GENERAL NOTES

COUNTY	TOWN	CITY	ACCESS
		LIMITS	ROADS
UVALDE	UTOPIA	N	RR 470

REAL ESTATE

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

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	22	22	32	4	1	4				4		4-H	2 FLAT
15	STEEL	22	12	25	1	4			4-H		4		4-H	2 FLAT

STRUCTURAL MODULES

QUANTITY	DESCRIPTION
1	69/12.5 KV, TRANSFORMER REGULATOR STR, 15' SPACING

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	6 CLEV
TRANSFER	15	CU	2/0	6 CLEV

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FUSES

COMPANY NUMBER	CIRCUIT ID	KV RTG	TYPE	# U AMPS	CONT NUMBER	MOUNTING MOUNT	FUSE SIZE	SPEED	TCC CURVE	CATALOG NUMBER	MFG	VEND NO.
F1	PWT-1	69	DBA-1	3		WH	40E	STANDARD				

FUSE CUT-OUTS

COMPANY NUMBER	KV	TYPE	# U AMPS	CONT MFG
F2	15	DIST	1	100

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			SAN	

REGULATORS

COMPANY NUMBER	SERIAL NUMBER	KV RTG	CONT AMPS	KVA RTG	PHASE	TYPE	MFG	VEND NO.
REG-1	3-3753-04927-2	7.62	200	288	1	JFR	SA	
REG-1	3-3753-04927-3	7.62	200	288	1	JFR	SA	
REG-1	3-3753-04927-9	7.62	200	288	1	JFR	SA	

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-2	FEEDERS	9		DIST			3	1		
SA-3	FEEDERS	9		DIST			3	1		
SA-4	FEEDERS	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	12470/7200:120/240	10		1PH DIST		KUHL	

SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	INSULAT TYPE	CATALOG NUMBER	MFG.	VEND NO.
UT-11	TOTALIZING	REGUL	15	600		HSS/RBP		TR4			
UT-13	TOTALIZING	REGUL	15	600		HSS/RBP		TR4			
UT-19	FEEDER		25	600		HSS		TR208		KRNY	
UT-21	FEEDER2/3		25	600		HSS		TR208		KRNY	
UT-23	FEEDER2/3		25	600		HSS/FUSE		TR208		KRNY	
UT-29	FEEDER		25	600		HSS		TR208		KRNY	
UT-31	FEEDER2/3		25	600		HSS		TR208		KRNY	
UT-33	FEEDER2/3		25	600		HSS/FUSE		TR208		KRNY	
UT-39	FEEDER		25	600		HSS		TR208		KRNY	
UT-41	FEEDER1		15	600		HSS		TR4		ABC	
UT-43	FEEDER1		15	600		HSS/FUSE		TR208		KRNY	
UT-9	TOTALIZING	REGUL	15	600		HSS/RBP		TR4		ABC	
2A1	LEAKEY		69	600		VAB		H TR147		ABC	
2A2	PWT		69	600		VAB		H TR147		WH	

TRANSFORMERS

COMPANY NUMBER	T-NO	SERIAL NUMBER	KV RATING	MVA RATING	PH	MFG	VEND	% IMP	CLASS	TYPE
PWT-1	T1	2-34890	67:13.09V/7560	3.75/4.2	3	KUHL		7.47	0A	

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VERDE CREEK

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VERDE CREEK (BEC CUSTOMER OWNED)

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GENERAL NOTES

COUNTY	TOWN	CITY	ACCESS
		LIMITS	ROADS
KIMBLE	CENTER POINT	N	SKYLINE DR

REAL ESTATE

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

STRUCTURAL MODULES

QUANTITY	DESCRIPTION
1	HEAVY DUTY A-FRAME STR
1	36 FT TRUSS FOR HEAVY DUTY A-FRAME
2	138 KV, 8 FT SWITCH STAND
1	138 KV, 17 FT SWITCH STAND

CIRCUIT BREAKERS

COMPANY	CIRCUIT	LINE	SERIAL	KV	CONT	IC	TYPE OR	MFG	VN
NUMBER	ID	NO.	NUMBER	AMPS	AMPS	AMPS	CATALOG NO.		
55608N BANDERA			39395-1	145	1200	20	B20-145-20-7		SA

SURGE ARRESTERS

COMPANY	CIRCUIT	KV	MCOV	TYPE	MFG	CATALOG	NO.	UNITS	MFG	VEND
NUMBER	ID				TYPE	NUMBER	STACKS	STACK		NO.
SA-4	LINE	120		STA			3	1		

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VERDE CREEK (BEC CUSTOMER OWNED)

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SWITCHES

COMPANY NUMBER	CIRCUIT ID.	LINE NO.	KV RTG	CONT AMPS	MFG TYPE	SWITCH TYPE	MOUNTING NUMBER	INSULAT TYPE	CATALOG NUMBER	MFG. NO.	VEND NO.
5559	BANDERA		138	1200		VAB		H TR-288		ITE	
5561	BANDERA		138	1200		VAB		H TR-288		ITE	
5563	BANDERA		138	1200		VAB		H TR-288		ITE	

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MANUFACTURING

	<u>CODE</u>
A.B. Chance	ABC
Allis Chalmers	AC
Associated Engr. Co.	AEC
Cole Electric Co.	COLE
Central Transformer	CENT
Delta Star	DS
Electric Engineers Equipment Co.	EEE
Electromagnetic Industries	EI
El Paso Electric Co.	EPC
Federal Pacific Electric Co.	FPE
General Electric Co.	GE
H.K. Porter	HKP
Hevi-Duty Electric	HDE
Howard Industries Inc.	HOW
ITE Imperial Corp. (Gould-Brown Boveri)	ITE
Johnson Manufacturing Co.	JMC
Joslyn	JOS
Kearney	KRNY
Kuhlman Electric Co.	KUHL
Line Material	LM
Magnetic Industries	MAGN
McGraw Edison	MGE
MEMCO	MEMCO
Moloney Electric Co.	MOL
Morgan Power Apparatus of Oregon INC.	MORG
Motorola	MOT
Pacific Electric Mfg. Co.	PEMC
Pennsylvania Transformer	PENN
Pioneer Electric	PIE
Radiation Inc.	RAD
Railway & Industrial Engr. Co.	RIE
Royal Electric Mfg. Co.	ROYL
RTE/ASEA	RTE
Sangamo Electric Co.	SAN
S&C Electric Co.	S&C
Seimans Allis	SA
Souther States Inc.	SS
Standard Transformer Co.	STD
SquareD	SQD
Swager Wood Mfg. Co.	SW
Trench Electric Ltd.	TRNC
Turner	TUR
US Transformer	USTR
USCO Power co.	USCO
Wagner Electric Corp.	WAG
Westinghouse Electric Corp.	WHSE

4934C

EQUIPMENT

CODE

Breaker Panels	BKR
Control House	CH
Distribution transformer	DIST X-F
Switch Handle	H
Motor operated	M
Operator	O
Worm gear	W
Vertical Air Break	VAB
Vertical Air Break w/ Load Break	VAB/LB
Load Break	LB
Load Management	LM
Not in service	NIS
Single phase distribution	1 PH
Station Class	STAT
Station Post	STAT PO

4934C

BANDERA ELECTRIC COOPERATIVE
RELAY AND CONTROL INVENTORY

**NOTE: LOT CONTROL HOUSE WIRING INCLUDES: CABLE TRAY,
LIGHTS, CONDUIT, SWITCHES, RECEPTACLES AND
LOADCENTER**

SUBSTATION: BEC CICO

OCB-1070B CONTROL PANEL 2
ONE-48V BATTERY BANK
ONE-48V BATTERY CHARGER
ONE-12.5KV PT MANIFOLD
ONE-STATION SERVICE MANIFOLD
ONE-YARD LIGHT
ONE-LOT CONTROL CABLE
ONE-LOT CONTROL HOUSE WIRING

SUBSTATION: LCRA BOERNE

XFMR T-2 DIFF., CS-5425 PANEL 7
ONE-12.5KV PT MANIFOLD
ONE-STATION SERVICE MANIFOLD
ONE-CIRCUIT SWITCHER MANIFOLD
ONE-YARD LIGHT
ONE-LOT CONTROL CABLE

SUBSTATION: BEC MEDINA LAKE

ONE-12.5KV PT MANIFOLD
ONE-STATION SERVICE MANIFOLD
ONE-YARD LIGHT

SUBSTATION: BEC CYPRESS CREEK

TWO-12.5KV MANIFOLDS
TWO-STATION SERVICE MANIFOLDS
EIGHT-YARD LIGHTS

SUBSTATION: BEC VERDE CREEK

OCB-5560BN CONTROL PANEL 2
THREE-YARD LIGHTS
ONE-LOT CONTROL CABLE

SUBSTATION: BEC TURTLE CREEK

ONE-12.5KV PT MANIFOLD
ONE-STATION SERVICE MANIFOLD
TWO-YARD LIGHTS
ONE-LOT CONTROL HOUSE WIRING

SUBSTATION: BEC LEAKEY

ONE-12.5KV PT MANIFOLD
ONE-24.9KV PT MANIFOLD
TWO-STATION SERVICE MANIFOLDS
FIVE-YARD LIGHTS
ONE-LOT CONTROL HOUSE WIRING

4934C

SUBSTATION: BEC UTOPIA

ONE-12.5KV PT MANIFOLD
ONE-STATION SERVICE MANIFOLDS
TWO-YARD LIGHTS

SUBSTATION: BEC MEDINA CITY

ONE-12.5KV PT MANIFOLD
ONE-STATION SERVICE MANIFOLD
ONE-YARD LIGHT

SUBSTATION: BEC BANDERA

BANDER CITY XFMR DIFF. AND CIRCUIT
SWITCHER PANEL 1
AUTO XFMR. DIFF, OIT5, ANNUN. PANEL 2
OCB-01B1 CONTROL PANEL 3
OCB-01B2 CONTROL PANEL 4
OCB-6 CONTROL PANEL 5
OCB-5 CONTROL PANEL 6
ONE-125V BATTERY BANK
ONE-125V BATTERY CHARGER
ONE-48V BATTERY BANK
ONE-48V BATTERY CHARGER
TWO-12.5KV PT MANIFOLDS
THREE-STATION SERVICE MANIFOLDS
ONE-CIRCUIT SWITCHER MANIFOLD
ONE-69KV PT MANIFOLD
ONE-WINDOW AIR CONDITIONER
FIVE-YARD LIGHTS
ONE-LOT CONTROL CABLE
ONE-LOT CONTROL HOUSE WIRING

SUBSTATION: BEC PIPE CREEK

OCB-3 CONTROL PANEL 1
ONE-48V BATTERY BANK
ONE-48V BATTERY CHARGER
ONE-12.5KV PT MANIFOLD
ONE-STATION SERVICE MANIFOLD
ONE-LOT CONTROL CABLE
ONE-LOT CONTROL HOUSE WIRING

4934C



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 • (512) 473-3200

HAND DELIVERED

November 8, 1990

Mr. James R. Galloway
Filing Clerk
Public Utility Commission of Texas
7800 Shoal Creek Boulevard, Suite 400N
Austin, Texas 78757

Re: Docket 9815, LCRA's Application for Sale, Transfer
or Merger

Dear Mr. Galloway:

In supplement to the above referenced application, please find the original and fifteen copies of Exhibit B-1, the Transmission Line Inventory for Bandera Electric Cooperative. Please replace the originally filed exhibit B-1 with this new exhibit B-1.

Thank you in advance for your attention to this matter.

Yours truly,


Stephen H. Burger

SHB/ca

xc: All parties of record
Mr. Larry Smith
Ms. Cindy Blewett

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.

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TRANSMISSION LINE INVENTORY

NAME OF UTILITY BANDERA ELECTRIC COOP

FROM/TO PIPE CREEK TO BANDERA MILEAGE 15.22

CONDUCTOR SIZE/TYP 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/TYP 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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