

PAC_289.63

TITLE: DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC WO# 06771706
RECEIVING CC NAME: Mt. Shasta Customer Collections CC# 11581 VER# 1
BLANKET/PROJ DMW SUPERIOR PROJ FUNC GROUP D LOC# 655000
W.O. X CAPITAL EFFECTIVE DATE 12/16/2019
O & M EST COMP DATE 12/25/2020 CIRCUIT: 5G69
OTHER CUST REQUEST DATE 11/12/2019 MULTI-YEAR PROJ N
REQ/TYPE IEW BILLING N IN-SERVICE DATE / / COMPETITIVE EST (N)

DESCRIPTION: REPLACE 1.4 MILES OF BARE CONDUCTOR WITH COVERED CONDUCTOR
REMOVE 2 WOODEN STRUCTURES AND INSTALL 3 FIBERGLASS STRUCTUR
ES. REPLACE TRANSFORMERS AS NEEDED, REPLACE OR TRANSFER ALL
RELATED FACILITIES AS INDICATED.

PURPOSE AND NECESSITY: THE PURPOSE OF THIS PROJECT IS TO UTILIZE COVERED CONDUCTOR
TO HARDEN THE CIRCUITS IN HFTD (HIGH FIRE THREAT DISTRICT)
AREAS TO REDUCE THE RISK OF AN IGNITION FROM OUR FACILITIES
THIS IS A LIST OF ADDITIONAL PARTS THAT ARE REQUIRED FOR THE
CONSTRUCTION OF THIS PROJECT. THESE PRODUCTS ARE NOT
FOUND IN PACIFIC POWER STANDARDS:

TOTAL CAPITAL E.R. ESTIMATE - DIRECT COSTS
LABOR \$371,318 MATERIAL \$46,660 PS \$0 OTHER \$0
SUB-TOTAL \$417,978 ADV/REIM \$0 JO \$0 NET \$417,978

DETAIL ESTIMATE AND APPROVAL INFORMATION

ER ESTIMATED COST - ALL YEARS	DIRECT	INDIRECT	TOTAL
1 CAPITAL ADDITIONS (300)	\$411,272	\$76,318	\$487,591
2 REMOVAL COSTS (108.3)	\$6,706	\$1,216	\$7,922
3 SALVAGE (108.2)	\$0		\$0
4 TOTAL CAPITAL E.R. (1+2-3)	\$417,978	\$77,534	\$495,512
5 CUSTOMER ADVANCE/REIMBURSE	\$0		\$0
6 OTHER OWNERS SHARE %	\$0		\$0
7 NET CAPITAL (4-5-6)	\$417,978	\$77,534	\$495,512
8 O&M EXPENSE & OTHER	\$0	\$0	\$0
9 O&M ADVANCE/REIMB/JO SHARE %	\$0		\$0
10 NET O&M EXPENSE (8-9)	\$0	\$0	\$0
11 NET E.R.(7+10) (BUDGETED)	\$417,978	\$77,534	\$495,512
12 TOTAL E.R. (11)			\$495,512
13 RW, UTILITY EASEMENT REQUIRED:			
14 PERMITS, AGREEMENTS REQUIRED:			
15 CONTRACT:			
16 EQUIPMENT TRANSFER	\$0		

	EMPLOYEE	EMPL#	DATE
PREPARED BY	BRADLY ROBINSON	73574	12/16/2019
COORD. EMPLOYEE	BEAU SCOTT	43950	
RECOMMENDED BY			
AUTHORIZED BY		92124	08/11/2020
COMPLETED BY	<i>Keyline</i>	<i>Keyline</i>	<i>8/19/20</i>
RETURN APPROVED ORIGINAL TO			

PAGE 2
PACIFICORP ELECTRIC UTILITY OPERATIONS

DATE: 04/26/2021 TIME: 15:26:50
EXPENDITURE REQUISITION

TITLE: DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
RECEIVING CC NAME: Mt. Shasta Customer Collections

WO# 06771706
CC# 11581 VER# 1

ADDITIONAL DESCRIPTION AND P&N

DESCRIPTION:

REPLACE 1.4 MILES OF BARE CONDUCTOR WITH COVERED CONDUCTOR
REMOVE 2 WOODEN STRUCTURES AND INSTALL 3 FIBERGLASS STRUCTUR
ES. REPLACE TRANSFORMERS AS NEEDED, REPLACE OR TRANSFER ALL
RELATED FACILITIES AS INDICATED.

PURPOSE AND NECESSITY:

THE PURPOSE OF THIS PROJECT IS TO UTILIZE COVERED CONDUCTOR
TO HARDEN THE CIRCUITS IN HFTD (HIGH FIRE THREAT DISTRICT)
AREAS TO REDUCE THE RISK OF AN IGNITION FROM OUR FACILITIES
THIS IS A LIST OF ADDITIONAL PARTS THAT ARE REQUIRED FOR THE
CONSTRUCTION OF THIS PROJECT. THESE PRODUCTS ARE NOT
FOUND IN PACIFIC POWER STANDARDS:

QTY - DESCRIPTION (HENDRIX PART#)

14 - THIMBLE CLEVIS (TC)

08 - SHACKLE CLEVIS (SC)

15 - 3/4" EYE BOLT (NON-HENDRIX SUPPLIED)

08 - FIBERGLASS STRAIN INSULATOR (NON-HENDRIX SUPPLIED)

70 - MACHINE BOLT 2&3/4"-16" (NON-HENDRIX SUPPLIED)

RCMS
PLANT ACCT/P R U REPORT

DATE 07/30/20
TIME 08:19:25

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

CITY

WO# 06771706

VER 1

CC# 11581

S

PAGE 1

SEQ#	POINT	MAP/LOC	PLT	INST	A	QTY
BA#	SI#	DESCRIPTION	ACCT	EPRU	/REM L	
0010	139000	06239004.0				
			X	Foreign	Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	364
EJ462B	8005894	CONDUCTOR,15KV,4/OAAC,GREY	365	OHC06	I	182
EJ462W	8004771	SPACER CABLE,MESSENGER,1/OAWA	365	OHC06	I	182

0020	249900	06239004.0				
			X	Foreign	Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	518
EJ462B	8005894	CONDUCTOR,15KV,4/OAAC,GREY	365	OHC06	I	259
EJ462W	8004771	SPACER CABLE,MESSENGER,1/OAWA	365	OHC06	I	259

0030	180900	06239003.0				
			X	Foreign	Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	598
EJ462B	8005894	CONDUCTOR,15KV,4/OAAC,GREY	365	OHC06	I	299
EJ462W	8004771	SPACER CABLE,MESSENGER,1/OAWA	365	OHC06	I	299

0040	180901	06239003.0				
			X	Foreign	Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	506
EJ462B	8005894	CONDUCTOR,15KV,4/OAAC,GREY	365	OHC06	I	253
EJ462W	8004771	SPACER CABLE,MESSENGER,1/OAWA	365	OHC06	I	253

0050	180800	06239003.0				
			X	Foreign	Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	442
EJ462B	8005894	CONDUCTOR,15KV,4/OAAC,GREY	365	OHC06	I	221
EJ462W	8004771	SPACER CABLE,MESSENGER,1/OAWA	365	OHC06	I	221

RCMS
PLANT ACCT/P R U REPORT

DATE 07/30/20
TIME 08:19:25

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

CITY

WO# 06771706

VER 1

CC# 11581

S

PAGE 2

SEQ#	POINT	MAP/LOC	PLT	INST	A	QTY
BA#	SI#	DESCRIPTION	ACCT	EPRU	/REM L	Owner? (N)
0060	181803	06239003.0		X	Foreign	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	190
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	95
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	95

0070	181802	06239003.0		X	Foreign	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	328
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	164
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	164

0080	181801	06239003.0		X	Foreign	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	270
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	135
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	135

0090	180800	06239003.0		X	Foreign	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	586
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	293
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	293

0100	182802	06239003.0		X	Foreign	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	394
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	197
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	197

NAME
ADDRESS

DATE 07/30/20
TIME 08:19:25

WO# 06771706
VER 1
CC# 11581

SEQ#	POINT	MAP/LOC	PLT	INST A	
BA#	SI#	DESCRIPTION	ACCT	EPRU	QTY
				/REM L	
0110	182805	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R 394
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I 197
EB403BDH	8000393	FBRGL POLE, 45', CL 2, OCT, W/HOLE	364	POL02	I 1
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I 197

0120	182800	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R 358
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I 179
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I 179

0130	183802	06239003.0	X	Foreign	Owner?(N)
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R 798
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I 399
EB403BDH	8000393	FBRGL POLE,45',CL 2,OCT,W/HOLE	364	POL02	I 1
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I 399
EB401BO	1614354	WOOD POLE,35',CL 4, W/HOLE	108.3	POL01	R 1

0140	183801	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R 414
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I 207
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I 207

RCMS
PLANT ACCT/P R U REPORT

DATE 07/30/20
TIME 08:19:25

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

CITY

WO# 06771706

VER 1

CC# 11581

PAGE 4

S

SEQ#	POINT	MAP/LOC	PLT	INST	A	QTY
BA#	SI#	DESCRIPTION	ACCT	EPRU	/REM L	
0150	183860	06239003.0		X	Foreign Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	330
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	165
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	165
0160	183800	06239003.0		X	Foreign Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	450
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	225
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	225
0170	184802	06239003.0		X	Foreign Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	594
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	297
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	297
0180	184801	06239003.0		X	Foreign Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	156
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	78
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	78
0190	184800	06239003.0		X	Foreign Owner? (N)	
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R	474
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I	237
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I	237

DATE 07/30/20
TIME 08:19:25

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

SEQ#	POINT	MAP/LOC	PLT	INST A	
BA#	SI#	DESCRIPTION	ACCT	EPRU	/REM L QTY
0200	185800	06239003.0		X	Foreign Owner? (N)
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R 452
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I 226
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I 226

0210	185701	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R 468
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I 234
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I 234

0220	185700	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR,#6 BARE HD CU,SOLID	108.3	OHC06	R 430
EJ462B	8005894	CONDUCTOR,15KV,4/0AAC,GREY	365	OHC06	I 215
EJ462W	8004771	SPACER CABLE,MESSENGER,1/0AWA	365	OHC06	I 215

0230	186702	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R 224
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I 112
EB403BDH	8000393	FBRGL POLE, 45', CL 2, OCT, W/HOLE	364	POL02	I 1
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I 112
EB401BO	1614354	WOOD POLE, 35', CL 4, W/HOLE	108.3	POL01	R

0280	187600	06239003.0		X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R	624
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I	312
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I	312

DATE 07/30/20
TIME 08:19:25

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

CITY

WO# 06771706
VER 1
CC# 11581

PAGE 7

S

SEQ#	POINT	MAP/LOC	PLT	INST A	
BA#	SI#	DESCRIPTION	ACCT	EPRU	/REM L QTY
0290	188601	06239003.0		X	Foreign Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R 570
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I 285
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I 285

0300	188502	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R 390
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I 195
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I 195

0310	188501	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R 508
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I 254
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I 254

0320	188500	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R 392
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I 196
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I 196

0330	189500	06239003.0	X	Foreign	Owner? (N)
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID	108.3	OHC06	R 326
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY	365	OHC06	I 163
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA	365	OHC06	I 163

RCMS
PLANT ACCT/P R U REPORT

NAME

DATE 07/30/20

ADDRESS

TIME 08:19:25

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

CITY

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 8

S

SEQ#	POINT	DESCRIPTION	MAP/LOC	PLT	INST	A	QTY
BA#	SI#			ACCT	EPRU	/REM L	
0340	189420		06239003.0				
				X	Foreign	Owner? (N)	
EC961P	4517900	CONDUCTOR, #6 BARE HD CU, SOLID		108.3	OHC06	R	254
EJ462B	8005894	CONDUCTOR, 15KV, 4/0AAC, GREY		365	OHC06	I	127
EJ462W	8004771	SPACER CABLE, MESSENGER, 1/0AWA		365	OHC06	I	127

0350	189400		06239003.0				
				X	Foreign	Owner? (N)	
GC421AA	6619001	STR CONDUIT, 2", SCH80, 10', SEC		366	CON14	I	3
GC421AA	6619001	STR CONDUIT, 2", SCH80, 10', SEC		108.3	CON14	R	3
GC421BA	6619209	STR CONDUIT, 3", SCH80, 10', SEC		366	CON14	I	3
GC421BA	6619209	STR CONDUIT, 3", SCH80, 10', SEC		108.3	CON14	R	3

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 1

SEQ# 0010 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-004.0 POINT: 139000

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	CHG	TYPE	CU/BA/SI	EX
I	1	D-END,15KV,3/4 DA,4/0AL,AUTO		BA	EF181AJFA	
R	1	CROSSARM 1-TAP 1-PH PRI		CU	EH421GLSVZ	-
	2	MACH BOLT ASSY,CRVD,3/4"X14"			DY181C	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM,FIBERGLASS,8FT,DE,2POS			EE741E	
	1	INSUL,PIN,CLAMP-TOP,35KV,5H WD			EF101CAE	
	1	D-END,35KV,5/8EXT,NO CLAMP			EF181CGZZ	
	1	D-END,NTCA,5/8EXT,NO CLAMP			EF186BGZZ	
I	1	CUTOUT ASSEMBLY		CU	EM351WCAEA	
	1	BLTD STIRRUP CONN,4/0 397-1/0			DE366D	
	1	HOT-LINE CLAMP,#8-2/0 MAIN/TAP			DE491X	
	2	MACH BOLT ASSY,CRVD,5/8"X14"			DY171D	
	7	JMPR WIRE #4 7STR CU COVERED			EC951J	
	1	SMD20 P/F,27KV,200E,W/COVER			EM701K	
	1	EQUIP-MNTNG FBERGLSS BRCKT,1PH			EM912X	
R	1	CUTOUT ASSEMBLY		CU	EM351DCBHA	
	1	BLTD STIRRUP CONN,#6 2/0CU-#2			DE366B	
	1	HOT-LINE CLAMP,#8-2/0 MAIN/TAP			DE491X	
	7	JMPR WIRE #6 7STR CU COVERED			EC951I	
	1	C/O,27KV,100A,12KA,POLY,W/CVR			EM701A	
	1	X-ARM HANGER BRKT,CUTOUT,9"			EM921A	
I	1	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	1	ARRESTER,SURGE,OH,NON-EXP,18KV		BA	DQ902E	
I	1	GRIP, DEADEND,1/0AAC,MESSENGER		BA	EJ466I	
I	182	CONDUCTOR,15KV,4/0AAC,GREY		BA	EJ462B	
I	182	SPACER CABLE,MESSENGER,1/0AWA		BA	EJ462W	
I	1	CLEVIS,THIMBLE,40000LBS,HD		BA	EJ466F	
R	182	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	364	CONDUCTOR,#6 BARE HD CU,SOLID			EC961P	
I	1	WD POLE GROUND,ROD,#6-#2AL,CA		BA	DG201BGA	
I	1	DOWN GUY,CA,1-5/16"EHS,50'		BA	EG301ABC	
I	1	POWER FUSE,SMU-20,25KV,40E		BA	DP551C	
I	1	SCR ANCHOR ASSY,14"SGL,GLV,NO		BA	EG421FAA	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 2

SEQ# 0010 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-004.0 _____ POINT: 139000

Foreign Ownership? (N)

-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 3

SEQ# 0020 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-004.0 POINT: 249900

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	1	OH LABOR, REM/HANG 50KVA XFMR		BA	EZ381AA	
I	2	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	WASHER, LOCK, DBL HELIX, 5/8"		BA	DY641C	
I	2	NUT, SQUARE, 5/8"		BA	DY511B	
I	1	EQUIPMENT BIRD GUARD SNAP ON		BA	EV921B	
I	1	CLAMP, HOT-L, #4-4/0AL, #4-4/0		BA	DE511A	
I	1	ARRESTER, SURGE, OH, NON-EXP, 18KV		BA	DQ902E	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	1	CUTOUT ASSEMBLY		CU	EM351DCAEC	
	1	BLTD STIRRUP CONN, 4/0 397-1/0			DE366D	
	1	HOT-LINE CLAMP, #8-2/0 MAIN/TAP			DE491X	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	7	JMPR WIRE #6 7STR CU COVERED			EC951I	
	1	C/O, 27KV, 100A, 12KA, POLY, W/CVR			EM701A	
	1	EQUIP-MNTNG FBERGLSS BRCKT, 1PH			EM912X	
I	1	FUSE, ELF, 6A, 15KV, 27KV CUTOUT		BA	DP586BM	
I	259	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	259	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	BRACKET, ANTI-SWAY		BA	EJ464D	
I	1	STIRRUP FOR NON-FLEX BRACKET		BA	EJ464C	
I	1	SPACER, 1PH, 18"X3", 12"PH SPACE		BA	EJ464J	
I	1	GUARD, PROTECTIVE, LINE-DUC		BA	EJ468A	
I	1	LAG SCREW, 1/2"X4-1/2"		BA	DY701C	
R	259	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	518	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	1	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 4

SEQ# 0020 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-004.0 POINT: 249900

Foreign Ownership? (N)

---	-----	-----	-----
---	-----	-----	-----
---	-----	-----	-----

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 5

SEQ# 0030 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 180900

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		
			CHG	TYPE	CU/BA/SI EX
I	1	LAG SCREW, 1/2"X4-1/2"		BA	DY701C
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B
I	2	MACHINE BOLT, 3/4" X 24"		BA	DY391L
I	3	NUT, SQUARE, 3/4"		BA	DY511C
I	1	CLAMP, HOT-L, #4-4/0AL, #4-4/0		BA	DE511A
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE
I	299	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B
I	299	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W
I	1	STIRRUP FOR NON-FLEX BRACKET		BA	EJ464C
I	1	SPACER, 1PH, 18"X3", 12"PH SPACE		BA	EJ464J
I	1	BRACKET, ANTI-SWAY		BA	EJ464D
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A
R	299	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP
	598	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA
--	----	-----	----	----	-----
--	----	-----	----	----	-----
--	----	-----	----	----	-----

DATE 07/30/20
TIME 08:19:26

WO# 06771706
VER 1
CC# 11581

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC	CHG	TYPE	CU/BA/SI	EX
I	6	WASHER, SQ 2-1/4", 11/16" HOLE			BA	DY601B	
I	2	NUT, OVAL EYE, 3/4"			BA	DY521C	
I	4	NUT, SQUARE, 3/4"			BA	DY511C	
I	4	MACHINE BOLT, 3/4" X 24"			BA	DY391L	
I	2	D-END, 15KV, 3/4 DA, 4/0AL, AUTO			BA	EF181AJFA	
R	1	XARM, TAN, STR, 1-PH, SGL ARM			CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"				DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)				DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS				EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD				EF101CAE	
I	253	CONDUCTOR, 15KV, 4/0AAC, GREY			BA	EJ462B	
I	253	SPACER CABLE, MESSENGER, 1/0AWA			BA	EJ462W	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV			BA	EF301E	
I	1	PIN, INSULATOR, 3/4"X2-1/2"			BA	EJ466G	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0			BA	EJ464A	
R	253	OH PRIMARY EXISTING CONDUCTOR			CU	EC911APP	
	506	CONDUCTOR, #6 BARE HD CU, SOLID				EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA			BA	DG201BGA	
I	1	DOWN GUY, CA, 1-5/16"EHS, 50'			BA	EG301ABC	
I	1	SCR ANCHOR ASSY, 14"SGL, GLV, NO			BA	EG421FAA	
---	-----	-----	---	-----	-----	-----	---
---	-----	-----	---	-----	-----	-----	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 7

SEQ# 0050 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 180800

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	221	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	221	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
R	221	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	442	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	-----	-----	---	---	-----	
---	-----	-----	---	---	-----	
---	-----	-----	---	---	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 8

SEQ# 0060 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 181803

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	95	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	95	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	95	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	190	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	1	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	1	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 9

SEQ# 0070 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 181802

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		
			CHG	TYPE	CU/BA/SI EX
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B
I	2	NUT, SQUARE, 5/8"		BA	DY511B
I	1	NUT, SQUARE, 3/4"		BA	DY511C
I	2	MACHINE BOLT, 5/8" X 24"		BA	DY381L
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE
I	164	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B
I	164	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G
R	164	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP
	328	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P
I	1	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC
I	1	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA
---	---	-----	---	---	-----
---	---	-----	---	---	-----
---	---	-----	---	---	-----

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 10

SEQ# 0080 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 181801

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	NUT, SQUARE, 5/8"		BA	DY511B	
I	1	NUT, SQUARE, 3/4"		BA	DY511C	
I	2	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	135	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	135	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
R	135	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	270	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	1	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
--	-----	-----	----	-----	-----	
--	-----	-----	----	-----	-----	
--	-----	-----	----	-----	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 11

SEQ# 0090 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 180800

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	293	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	293	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
R	293	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	586	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
--	-----	-----	----	-----	-----	
--	-----	-----	----	-----	-----	
--	-----	-----	----	-----	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 12

SEQ# 0100 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 182802

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	197	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	197	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
R	197	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	394	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
--	----	-----	----	----	-----	
--	----	-----	----	----	-----	
--	----	-----	----	----	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 13

SEQ# 0110 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 182805

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC			EX
			CHG	TYPE	CU/BA/SI	
A	2020	NORTHLAND CABLE, COMM, CA		CU	J0061EC	
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	197	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	197	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
I	1	PLATE, SHIM		BA	EJ466B	
R	197	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	394	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	1	FBRGL POLE, 45', CL 2, OCT, W/HOLE		BA	EB403BDH	
---	-----	-----	---	-----	-----	
---	-----	-----	---	-----	-----	
---	-----	-----	---	-----	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 14

SEQ# 0120 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 182800

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	179	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	179	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	179	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	358	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME
ADDRESS
TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 15

SEQ# 0130 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 183802

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
R	1	WOOD POLE, 35', CL 4, W/HOLE		BA	EB401BO	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
C	1966	NORTHLAND CABLE, COMM, CA		CU	J0061EC	
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	399	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	399	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
I	1	PLATE, SHIM		BA	EJ466B	
R	399	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	798	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	1	FBRGL POLE, 45', CL 2, OCT, W/HOLE		BA	EB403BDH	
---	-----	-----	---	-----	-----	---
---	-----	-----	---	-----	-----	---
---	-----	-----	---	-----	-----	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME
ADDRESS
TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 16

SEQ# 0140 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 183801

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		
			CHG	TYPE	CU/BA/SI EX
I	6	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B
I	2	NUT, OVAL EYE, 3/4"		BA	DY521C
I	4	NUT, SQUARE, 3/4"		BA	DY511C
I	4	MACHINE BOLT, 3/4" X 24"		BA	DY391L
I	2	D-END, 15KV, 3/4 DA, 4/0AL, AUTO		BA	EF181AJFA
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE
I	207	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B
I	207	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G
I	2	GRIP, DEADEND, 15KV, 4/0AAC		BA	EJ466K
I	2	GRIP, DEADEND, 1/0AAC, MESSENGER		BA	EJ466I
I	2	CLEVIS, THIMBLE, 40000LBS, HD		BA	EJ466F
R	207	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP
	414	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA
I	3	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC
I	1	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA
--	-----	-----	-----	-----	-----
--	-----	-----	-----	-----	-----
--	-----	-----	-----	-----	-----

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 17

SEQ# 0150 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 183860

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC			
			CHG	TYPE	CU/BA/SI	EX
I	1	LAG SCREW, 1/2"X4-1/2"		BA	DY701C	
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	MACHINE BOLT, 3/4" X 24"		BA	DY391L	
I	3	NUT, SQUARE, 3/4"		BA	DY511C	
I	1	CLAMP, HOT-L, #4-4/0AL, #4-4/0		BA	DE511A	
R	2	XARM, ANGLE, STR, 1-PH, DBL ARM, DE		CU	EH321GLVZZ	
	8	C-TAP CONN, CU, #4 #6-#6			DE371A	
	4	MACH BOLT ASSY, CRVD, 3/4"X14"			DY181C	
	4	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	2	XARM, FIBERGLASS, 8FT, DE, 2POS			EE741E	
	4	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
	4	D-END, 35KV, EXSTNG, #6CU, AUTO			EF181CHMA	
	4	D-END, NTCA, EXSTNG, #6CU, AUTO			EF186BHMA	
I	165	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	165	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	STIRRUP FOR NON-FLEX BRACKET		BA	EJ464C	
I	1	SPACER, 1PH, 18"X3", 12"PH SPACE		BA	EJ464J	
I	1	BRACKET, ANTI-SWAY		BA	EJ464D	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
R	165	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	330	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
---	-----	-----	---	-----	-----	-----
---	-----	-----	---	-----	-----	-----
---	-----	-----	---	-----	-----	-----

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 18

SEQ# 0160 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 183800

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	1	LAG SCREW, 1/2"X4-1/2"		BA	DY701C	
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	MACHINE BOLT, 3/4" X 24"		BA	DY391L	
I	3	NUT, SQUARE, 3/4"		BA	DY511C	
I	1	CLAMP, HOT-L, #4-4/0AL, #4-4/0		BA	DE511A	
I	225	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	225	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	STIRRUP FOR NON-FLEX BRACKET		BA	EJ464C	
I	1	SPACER, 1PH, 18"X3", 12"PH SPACE		BA	EJ464J	
I	1	BRACKET, ANTI-SWAY		BA	EJ464D	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
R	225	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	450	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	-----	-----	---	---	-----	---
---	-----	-----	---	---	-----	---
---	-----	-----	---	---	-----	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 19

SEQ# 0170 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 184802

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	6	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	NUT, OVAL EYE, 3/4"		BA	DY521C	
I	4	NUT, SQUARE, 3/4"		BA	DY511C	
I	4	MACHINE BOLT, 3/4" X 24"		BA	DY391L	
I	2	D-END, 15KV, 3/4 DA, 4/0AL, AUTO		BA	EF181AJFA	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	297	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	297	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
I	2	GRIP, DEADEND, 15KV, 4/0AAC		BA	EJ466K	
I	2	GRIP, DEADEND, 1/0AAC, MESSENGER		BA	EJ466I	
I	2	CLEVIS, THIMBLE, 40000LBS, HD		BA	EJ466F	
R	297	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	594	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	3	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	3	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	-----	-----	---	-----	-----	---
---	-----	-----	---	-----	-----	---
---	-----	-----	---	-----	-----	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 20

SEQ# 0180 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 184801

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	78	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	78	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	78	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	156	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16" EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14" SGL, GLV, NO		BA	EG421FAA	
---	---	-----	---	---	---	---
---	---	-----	---	---	---	---
---	---	-----	---	---	---	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME
ADDRESS
TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 21

SEQ# 0190 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 184800

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		EX
			CHG	TYPE	
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B
I	2	NUT, SQUARE, 5/8"		BA	DY511B
I	1	NUT, SQUARE, 3/4"		BA	DY511C
I	2	MACHINE BOLT, 5/8" X 24"		BA	DY381L
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE
I	237	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B
I	237	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G
R	237	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP
	474	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P
I	1	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC
I	1	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA
--	-----	-----	-----	-----	-----
--	-----	-----	-----	-----	-----
--	-----	-----	-----	-----	-----

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 22

SEQ# 0200 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 185800

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	226	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	226	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
R	226	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	452	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	---	-----	---	---	-----	---
---	---	-----	---	---	-----	---
---	---	-----	---	---	-----	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 23

SEQ# 0210 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 _____ POINT: 185701

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	1	LAG SCREW, 1/2"X4-1/2"		BA	DY701C	
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	MACHINE BOLT, 3/4" X 24"		BA	DY391L	
I	3	NUT, SQUARE, 3/4"		BA	DY511C	
I	1	CLAMP, HOT-L, #4-4/0AL, #4-4/0		BA	DE511A	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	234	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	234	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	STIRRUP FOR NON-FLEX BRACKET		BA	EJ464C	
I	1	SPACER, 1PH, 18"X3", 12"PH SPACE		BA	EJ464J	
I	1	BRACKET, ANTI-SWAY		BA	EJ464D	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
R	234	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	468	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
---	---	-----	---	---	---	---
---	---	-----	---	---	---	---
---	---	-----	---	---	---	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 24

SEQ# 0220 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 185700

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC CHG	TYPE	CU/BA/SI	EX
I	1	LAG SCREW, 1/2"X4-1/2"		BA	DY701C	
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	MACHINE BOLT, 3/4" X 24"		BA	DY391L	
I	3	NUT, SQUARE, 3/4"		BA	DY511C	
I	1	CLAMP, HOT-L, #4-4/0AL, #4-4/0		BA	DE511A	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	215	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	215	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	STIRRUP FOR NON-FLEX BRACKET		BA	EJ464C	
I	1	SPACER, 1PH, 18"X3", 12"PH SPACE		BA	EJ464J	
I	1	BRACKET, ANTI-SWAY		BA	EJ464D	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
R	215	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	430	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	1	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
--	-----	-----	----	-----	-----	-----
--	-----	-----	----	-----	-----	-----
--	-----	-----	----	-----	-----	-----

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 25

SEQ# 0230 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 186702

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
C	1966	NORTHLAND CABLE, COMM, CA		CU	J0061EC	
R	1	WOOD POLE, 35', CL 4, W/HOLE		BA	EB401BO	
I	1	LAG SCREW, 1/2"X4-1/2"		BA	DY701C	
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	MACHINE BOLT, 3/4" X 24"		BA	DY391L	
I	3	NUT, SQUARE, 3/4"		BA	DY511C	
I	1	CLAMP, HOT-L, #4-4/0AL, #4-4/0		BA	DE511A	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	112	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	112	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	STIRRUP FOR NON-FLEX BRACKET		BA	EJ464C	
I	1	SPACER, 1PH, 18"X3", 12"PH SPACE		BA	EJ464J	
I	1	BRACKET, ANTI-SWAY		BA	EJ464D	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	PLATE, SHIM		BA	EJ466B	
R	112	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	224	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	FBRGL POLE, 45', CL 2, OCT, W/HOLE		BA	EB403BDH	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 26

SEQ# 0240 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 186701

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC			
			CHG	TYPE	CU/BA/SI	EX
I	1	LAG SCREW, 1/2"X4-1/2"		BA	DY701C	
I	2	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	MACHINE BOLT, 3/4" X 24"		BA	DY391L	
I	3	NUT, SQUARE, 3/4"		BA	DY511C	
I	1	CLAMP, HOT-L, #4-4/0AL, #4-4/0		BA	DE511A	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	180	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	180	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	STIRRUP FOR NON-FLEX BRACKET		BA	EJ464C	
I	1	SPACER, 1PH, 18"X3", 12"PH SPACE		BA	EJ464J	
I	1	BRACKET, ANTI-SWAY		BA	EJ464D	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
R	180	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	360	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 27

SEQ# 0250 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 186700

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	261	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	261	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	261	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	522	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	-----	-----	---	---	-----	
---	-----	-----	---	---	-----	
---	-----	-----	---	---	-----	

DATE 07/30/20
TIME 08:19:26

WO# 06771706
VER 1
CC# 11581

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	CHG	TYPE	CU/BA/SI	EX
I	6	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	2	NUT, OVAL EYE, 3/4"		BA	DY521C	
I	4	NUT, SQUARE, 3/4"		BA	DY511C	
I	4	MACHINE BOLT, 3/4" X 24"		BA	DY391L	
I	2	D-END, 15KV, 3/4 DA, 4/0AL, AUTO		BA	EF181AJFA	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	192	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	192	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	1	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
I	2	GRIP, DEADEND, 15KV, 4/0AAC		BA	EJ466K	
I	2	GRIP, DEADEND, 1/0AAC, MESSENGER		BA	EJ466I	
I	2	CLEVIS, THIMBLE, 40000LBS, HD		BA	EJ466F	
R	192	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	384	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 29

SEQ# 0270 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 187601

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC			EX
			CHG	TYPE	CU/BA/SI	
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	294	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	294	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4"X2-1/2"		BA	EJ466G	
R	294	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	588	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 30

SEQ# 0280 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 187600

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	312	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	312	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	312	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	624	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	---	-----	---	---	-----	---
---	---	-----	---	---	-----	---
---	---	-----	---	---	-----	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 31

SEQ# 0290 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 188601

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	285	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	285	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	285	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	570	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16" EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14" SGL, GLV, NO		BA	EG421FAA	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 32

SEQ# 0300 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 188502

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	195	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	195	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	195	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	390	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16" EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14" SGL, GLV, NO		BA	EG421FAA	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	
---	---	-----	---	---	-----	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 33

SEQ# 0310 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 188501

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	254	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	254	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	254	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	508	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
---	----	-----	----	-----	-----	-----
---	----	-----	----	-----	-----	-----
---	----	-----	----	-----	-----	-----

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 34

SEQ# 0320 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 188500

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC CHG	TYPE	CU/BA/SI	EX
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	196	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	196	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	196	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	392	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA		BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	-----	-----	---	---	---	---
---	-----	-----	---	---	---	---
---	-----	-----	---	---	---	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 35

SEQ# 0330 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 189500

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC		CU/BA/SI	EX
			CHG	TYPE		
I	4	MACHINE BOLT, 5/8" X 24"		BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM		CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"			DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)			DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS			EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD			EF101CAE	
I	163	CONDUCTOR, 15KV, 4/0AAC, GREY		BA	EJ462B	
I	163	SPACER CABLE, MESSENGER, 1/0AWA		BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0		BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV		BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"		BA	EJ466G	
R	163	OH PRIMARY EXISTING CONDUCTOR		CU	EC911APP	
	326	CONDUCTOR, #6 BARE HD CU, SOLID			EC961P	
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'		BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14"SGL, GLV, NO		BA	EG421FAA	
---	---	-----	---	---	---	---
---	---	-----	---	---	---	---
---	---	-----	---	---	---	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC

COORDINATOR: BEAU SCOTT

WO# 06771706

VER 1

CC# 11581

PAGE 36

SEQ# 0340 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 189420

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC	CHG	TYPE	CU/BA/SI	EX
I	4	MACHINE BOLT, 5/8" X 24"			BA	DY381L	
I	4	WASHER, SQ 2-1/4", 11/16" HOLE			BA	DY601B	
R	1	XARM, TAN, STR, 1-PH, SGL ARM			CU	EH301GLSZZ	
	2	MACH BOLT ASSY, CRVD, 5/8" X 14"				DY171D	
	2	SIGN, "HIGH VOLTAGE", (CALIF)				DY801X	
	1	XARM, FIBERGLASS, 8FT, TG, 2POS				EE741C	
	2	INSUL, PIN, CLAMP-TOP, 35KV, 5H WD				EF101CAE	
I	127	CONDUCTOR, 15KV, 4/0AAC, GREY			BA	EJ462B	
I	127	SPACER CABLE, MESSENGER, 1/0AWA			BA	EJ462W	
I	2	BRACKET, FLEX, TAN, 1/0 & 4/0			BA	EJ464A	
I	1	INSULATOR, PIN, CLAMP TOP, 35KV			BA	EF301E	
I	1	PIN, INSULATOR, 3/4" X 2-1/2"			BA	EJ466G	
R	127	OH PRIMARY EXISTING CONDUCTOR			CU	EC911APP	
	254	CONDUCTOR, #6 BARE HD CU, SOLID				EC961P	
I	1	WD POLE GROUND, ROD, #6-#2AL, CA			BA	DG201BGA	
I	2	DOWN GUY, CA, 1-5/16" EHS, 50'			BA	EG301ABC	
I	2	SCR ANCHOR ASSY, 14" SGL, GLV, NO			BA	EG421FAA	
---	---	-----	---	---	---	---	---
---	---	-----	---	---	---	---	---
---	---	-----	---	---	---	---	---

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 37

SEQ# 0350 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 189400

Foreign Ownership? (N)

I/R	QTY	DESCRIPTION	INDIC	CHG	TYPE	CU/BA/SI	EX
I	1	RISER POLE ASSY, SEC AND SVC			CU	GE108ABAC	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"				DY171D	
	2	MACH BOLT ASSY, CRVD, 5/8"X16"				DY171E	
	4	LAG SCREW, 1/2"X4-1/2"				DY701C	
	3	STR CONDUIT, 2", SCH80, 10', SEC				GC421AA	
	1	CONDUIT BELL END, 2", SCH40, SEC				GC601AA	
	1	FOAM SPRAY SEALANT, 12 OZ, SEC				GC701AA	
	1	SEALANT, FOAM SPRAY				GC701BA	
	4	CND EXTENSION BRACKET, 12", SEC				GC821AA	
	4	BOLTED CONDUIT CLAMP, 2", SEC				GC835AA	
R	1	RISER POLE ASSY, SEC AND SVC			CU	GE108ABAC	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"				DY171D	
	2	MACH BOLT ASSY, CRVD, 5/8"X16"				DY171E	
	4	LAG SCREW, 1/2"X4-1/2"				DY701C	
	3	STR CONDUIT, 2", SCH80, 10', SEC				GC421AA	
	1	CONDUIT BELL END, 2", SCH40, SEC				GC601AA	
	1	FOAM SPRAY SEALANT, 12 OZ, SEC				GC701AA	
	1	SEALANT, FOAM SPRAY				GC701BA	
	4	CND EXTENSION BRACKET, 12", SEC				GC821AA	
	4	BOLTED CONDUIT CLAMP, 2", SEC				GC835AA	
I	1	PRIMARY RISER POLE ASSY 200AMP			CU	GE209AABDC	
	1	HTAP CONNECTOR, 1/0 #2-#2 #6				DE301B	
	1	BLTD STIRRUP CONN, #4 4/0AL-1/0				DE366A	
	1	C-TAP CONN, CU, #2-#4 #8				DE371C	
	1	HOT-LINE CLAMP, #8-2/0 MAIN/TAP				DE491X	
	1	WD POLE GROUND, ROD, #6-#2AL, CA				DG201BGA	
	1	ARRESTER, SURGE, NON-EXPUL, 10KV				DQ912C	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"				DY171D	
	2	MACH BOLT ASSY, CRVD, 5/8"X16"				DY171E	
	4	LAG SCREW, 1/2"X4-1/2"				DY701C	
	15	JMPR WIRE #4 7STR CU COVERED				EC951J	
	1	C/O, 27KV, 100A, 12KA, POLY, W/CVR				EM701A	
	1	EQUIP-MNTNG FBERGLSS BRCKT, 1PH				EM912X	

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 38

SEQ# 0350 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 189400

Foreign Ownership? (N)

INDIC

I/R	QTY	DESCRIPTION	CHG	TYPE	CU/BA/SI	EX
	9	STRAP, NYLON, BLACK			ET811X	
	1	TERMINATOR, COLD, 15KV, 1/0STR			GB941C	
	3	STR CONDUIT, 3", SCH80, 10', SEC			GC421BA	
	1	CONDUIT BELL END, 3", SCH40, SEC			GC601BA	
	1	FOAM SPRAY SEALANT, 12 OZ, SEC			GC701AA	
	1	SEALANT, FOAM SPRAY			GC701BA	
	4	CND EXTENSION BRACKET, 12", SEC			GC821AA	
	4	BOLTED CONDUIT CLAMP, 3", SEC			GC835BA	
R	1	PRIMARY RISER POLE ASSY 200AMP		CU	GE209AABDC	
	1	HTAP CONNECTOR, 1/0 #2-#2 #6			DE301B	
	1	BLTD STIRRUP CONN, #4 4/0AL-1/0			DE366A	
	1	C-TAP CONN, CU, #2-#4 #8			DE371C	
	1	HOT-LINE CLAMP, #8-2/0 MAIN/TAP			DE491X	
	1	WD POLE GROUND, ROD, #6-#2AL, CA			DG201BGA	
	1	ARRESTER, SURGE, NON-EXPUL, 10KV			DQ912C	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	2	MACH BOLT ASSY, CRVD, 5/8"X16"			DY171E	
	4	LAG SCREW, 1/2"X4-1/2"			DY701C	
	15	JMPR WIRE #4 7STR CU COVERED			EC951J	
	1	C/O, 27KV, 100A, 12KA, POLY, W/CVR			EM701A	
	1	EQUIP-MNTNG FBERGLSS BRCKT, 1PH			EM912X	
	9	STRAP, NYLON, BLACK			ET811X	
	1	TERMINATOR, COLD, 15KV, 1/0STR			GB941C	
	3	STR CONDUIT, 3", SCH80, 10', SEC			GC421BA	
	1	CONDUIT BELL END, 3", SCH40, SEC			GC601BA	
	1	FOAM SPRAY SEALANT, 12 OZ, SEC			GC701AA	
	1	SEALANT, FOAM SPRAY			GC701BA	
	4	CND EXTENSION BRACKET, 12", SEC			GC821AA	
	4	BOLTED CONDUIT CLAMP, 3", SEC			GC835BA	
I	1	OH LABOR, REM/HANG 100KVA XFMR		BA	EZ381BA	
I	1	1-PH POLE MOUNTED CUTOUT ASSY		CU	EM341AAABC	
	1	BLTD STIRRUP CONN, #4 4/0AL-1/0			DE366A	
	1	HOT-LINE CLAMP, #8-2/0 MAIN/TAP			DE491X	
	2	MACH BOLT ASSY, CRVD, 5/8"X14"			DY171D	
	7	JMPR WIRE #6 7STR CU COVERED			EC951I	
	1	C/O, 27KV, 100A, 12KA, POLY, W/CVR			EM701A	
	1	EQUIP-MNTNG FBERGLSS BRCKT, 1PH			EM912X	
I	1	WASHER, SQ 2-1/4", 11/16" HOLE		BA	DY601B	
I	1	D-END, 15KV, 3/4 DA, 4/0AL, AUTO		BA	EF181AJFA	
I	4	CLAMP, HOT-L, #4-4/0AL, #4-4/0		BA	DE511A	

SEQ# 0350 DESCRIPTION: DUNSMUIR, CA

MAP# 06-2-39-003.0 POINT: 189400

Foreign Ownership? (N)

RCMS
FACILITY POINT DETAIL DATA SHEET

DATE 07/30/20
TIME 08:19:26

NAME

ADDRESS

TITLE DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
COORDINATOR: BEAU SCOTT

WO# 06771706
VER 1
CC# 11581

PAGE 39

I	1	ARRESTER, SURGE, OH, NON-EXP, 18KV	BA	DQ902E
R	1	DEADEND XARM 1-PH PRI	CU	EH341GAVZZ
	2	MACH BOLT ASSY, CRVD, 3/4"X14"		DY181C
	2	SIGN, "HIGH VOLTAGE", (CALIF)		DY801X
	1	XARM, FIBERGLASS, 8FT, DE, 2POS		EE741E
	1	D-END, 15KV, EXSTNG, #6CU, AUTO		EF181AHMA
	1	D-END, NTCA, EXSTNG, #6CU, AUTO		EF186BHMA
I	1	FUSE, ELF, 18A, 15KV, 27KV CUTOUT	BA	DP586BC
I	1	GRIP, DEADEND, 1/0AAC, MESSENGER	BA	EJ466I
I	1	GRIP, DEADEND, 15KV, 4/0AAC	BA	EJ466K
I	1	CLEVIS, THIMBLE, 40000LBS, HD	BA	EJ466F
I	2	DOWN GUY, CA, 1-5/16"EHS, 50'	BA	EG301ABC
I	1	DOWN GUY, CA, 1-7/16"UG, 50'	BA	EG301CBC
I	1	CUTOUT ASSEMBLY	CU	EM351WCAEB
	1	BLTD STIRRUP CONN, 4/0 397-1/0		DE366D
	1	HOT-LINE CLAMP, #8-2/0 MAIN/TAP		DE491X
	2	MACH BOLT ASSY, CRVD, 5/8"X14"		DY171D
	7	JMPR WIRE #4 7STR CU COVERED		EC951J
	1	SMD20 P/F, 27KV, 200E, W/COVER		EM701K
	1	EQUIP-MNTNG FBERGLSS BRCKT, 1PH		EM912X
R	1	CUTOUT ASSEMBLY	CU	EM351DCBHA
	1	BLTD STIRRUP CONN, #6 2/0CU-#2		DE366B
	1	HOT-LINE CLAMP, #8-2/0 MAIN/TAP		DE491X
	7	JMPR WIRE #6 7STR CU COVERED		EC951I
	1	C/O, 27KV, 100A, 12KA, POLY, W/CVR		EM701A
	1	X-ARM HANGER BRKT, CUTOUT, 9"		EM921A
I	1	POWER FUSE, SMU-20, 25KV, 15E	BA	DP551L
I	3	SCR ANCHOR ASSY, 14"SGL, GLV, NO	BA	EG421FAA
---	---	-----	---	-----
---	---	-----	---	-----
---	---	-----	---	-----

RCMS

MATERIAL ISSUE SHEET(SI# ONLY)

CC 11581 WO # 06771706 DESCRIPTION DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
NAME _____

ADDRESS _____

VER 1 PLANT # 2865 REF # _____

PAGE 2

COORDINATOR BEAU SCOTT

QTY

DATE 07/30/20

ORDERED ISSUED UOM SI# DESCRIPTION

TIME 08:19:23

STOCK ITEMS

47	EA	6107247	ANCHOR, SCREW, 14", 1 HELIX, TUB HUB, 10000LB
1	EA	8004535	ARRESTER, SRG, NONEXPULSION, 10KV, RISER, MOV
3	EA	8004531	ARRESTER, SRG, NONEXPULSION, 18KV, OVHD, MOV
10	EA	6223101	BOLT, DOUBLE ARM, 3/4" X 14", W/4 NUTS, GALV
100	EA	6214308	BOLT, MACH, 3/4" X 14", XARM, GALV
30	EA	6214803	BOLT, MACH, 3/4" X 24", XARM, GALV
10	EA	6211106	BOLT, MACH, 5/8" X 12", XARM, GALV
12	EA	6211205	BOLT, MACH, 5/8" X 14", XARM, GALV
4	EA	6211304	BOLT, MACH, 5/8" X 16", XARM, GALV
80	EA	6211700	BOLT, MACH, 5/8" X 24", XARM, GALV
8	EA	8004775	BRACKET, ANTI-SWAY
8	EA	1700250	BRACKET, CONDUIT, EXTENSION ASSEMBLY, 12"
5	EA	7991222	BRACKET, FIBERGLASS, 18", CUTOUT & ARRESTER
51	EA	8004485	BRACKET, FLEX, TANGENT, ATTACH SPACER CABLE
4	EA	1705209	CLAMP, CND, 2", BOLT MTG, W/BOLTS & NUTS
4	EA	1705308	CLAMP, CND, 3", BOLT MTG, W/BOLTS & NUTS
10	EA	4662805	CLAMP, DE, AUTO GRIP, 250 AAC & 4/0ACSR
5	EA	4601902	CLAMP, HOTLINE, #8SOL-2/0STR, #8-2/0 CU
8	EA	8005907	CLEVIS, THIMBLE, HD, 40000LBS
7328	FT	8005894	CONDUCTOR, COVERED, SPACER, 4/0, 15 KV, GRY
30	FT	6619001	CONDUIT, PVC, 2", SCH 80, 10'L, 1 BELL END
30	FT	6619209	CONDUIT, PVC, 3", SCH 80, 10'L, 1 BELL END
12	EA	4600193	CONN, H-LN, #4-4/0AL-ACSR, #4-4/0AL-CU-ACSR

RCMS

MATERIAL ISSUE SHEET(SI# ONLY)

CC 11581 WO # 06771706 DESCRIPTION DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
NAME _____

ADDRESS _____

VER 1 PLANT # 2865 REF # _____

PAGE 3

COORDINATOR BEAU SCOTT

QTY

DATE 07/30/20

ORDERED ISSUED UOM SI# DESCRIPTION

TIME 08:19:23

STOCK ITEMS

2	EA	1300812	CONN,STIRRUP,BLTD,4-250AL/ACSR,1/0SOL
3	EA	1300814	CONN,STIRRUP,BLTD,4/0-397.5ACSR,1/0SOL
3	EA	7992738	COVER,CUTOUT,POLYMER,27KV,150BIL
2	EA	7999498	COVER,CUTOUT,PWR FUSE,15/25 KV-150 BIL^
3	EA	7999719	CUTOUT,POLYMER,27KV,100A,12KA,UNIVERSAL^
1	EA	8004507	FUSE,ELF,18A,15KV,27KV CUTOUT,SGL BARREL
1	EA	8004504	FUSE,ELF,6A,15KV,27KV CUTOUT,SGL BARREL
1	EA	2200434	FUSE,PWR,SMU-20,25KV,15E A,TCC 119-2,S
1	EA	2200475	FUSE,PWR,SMU-20,25KV,40E A,TCC 119-2,S
8	EA	8005909	GRIP,DEADEND,MESSENGER,SPACER CBL,1/0
7	EA	8005918	GRIP,DEADEND,SPACER CABLE,15kV 4/0
49	EA	6126494	GRIP,GUY,DE,5/16",7STR,EHS-UG,STL,BLACK
1	EA	6126601	GRIP,GUY,DE,7/16",7STR,UTILITY GRD,GREEN
1	EA	8004780	GUARD, PROTECTIVE, LINE-DUC
1	EA	7999796	GUARD,SPRING LOADED,EQUIP BUSHING COVER^
49	EA	6127807	GUY,DE,AUTO,STRANDWISE,5/16" UG/AW,SB
1	EA	6128607	GUY,DE,AUTO,STRANDWISE,7/16" UG/AW,SB
50	EA	7999106	HOOK,GUY,MULTIPLE APPLICATION, 3/4" HOLE
150	EA	8003820	INSUL,GUY,FIBERG,21K, 78",CLEVIS-THIMBLE
25	EA	7999666	INSUL,PIN,35KV,CLAMP TOP,1" PIN THD^
10	EA	5840251	INSUL,SUSP,POLY,15/25KV,DEPL,USE 5840285
50	EA	6129704	MARKER,GUY,PLSTC,8',YELLOW,1/4"-1/2" GUY
7328	FT	8004771	MESSENGER,1/0AWA,STRENGTH 17120 LBS

RCMS

MATERIAL ISSUE SHEET(SI# ONLY)

CC 11581 WO # 06771706 DESCRIPTION DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
NAME _____

ADDRESS _____

VER 1 PLANT # 2865 REF # _____

PAGE 4

COORDINATOR BEAU SCOTT

QTY

DATE 07/30/20

ORDERED ISSUED UOM SI# DESCRIPTION

TIME 08:19:23

STOCK ITEMS

84	EA	6137905	MOLDING,GRD,1/2" X 8',PLSTC,HEAVY WALL
2	EA	8004644	MOUNT,PWR FUSE,SMD-20,27KV,200A,150KVB
18	EA	6434401	NUT,OVALEYE,3/4",FORGED STL,HOT DIP GALV
8	EA	1570220	NUT,SQUARE,5/8",11 THD PER INCH,GALV
25	EA	8005917	PIN,INSUL,3/4" X 2-1/2",SPACER CABLE SYS
3	EA	8005914	PLATE, SHIM, SPACER CABLE
2	EA	7992782	PLUG,FOAM DONUT,3"-6"
3	EA	8000393	POLE,FBRGL,8 SIDES,45',CLASS 2,DISTR
47	EA	6146666	ROD,ANCHOR,1"X7',SCREW,GALVANIZED
21	EA	6146906	ROD,GRD,5/8" X 8',COPPERWELD/BONDED CU
16	EA	6459804	SCREW,LAG,1/2" X 4-1/2",PILOT POINT
2	EA	5300050	SEALANT,FOAM,SPRAY,AEROSAL CAN
8	EA	8005912	SPACER,1PH,HD,18"X3",12" PH SPACING
420	EA	6470603	STAPLE,GRD,MOLDING,1/2"X2",PVC MOLDING
8	EA	8004774	STIRRUP, USED WITH NON-FLEXIBLE BRACKET
1	EA	1740262	TERMINATOR,UG,COLD,15-25KV,1/0STR
26	EA	6269203	WASHER,SQ,CURVED,3"X3",11/16" HOLE
2450	FT	1540252	WIRE,GUY,5/16",EHS,11200LBS,250' COIL
50	FT	6155402	WIRE,GUY,7/16",UG,18000LB,250' COIL
31	FT	7992803	WIRE,JUMPER,#4-7 CU,SOFT-D,80 MILS COVER
15	FT	7999036	WIRE,JUMPER,#6-7 CU,SOFT-D,80 MILS COVER

RCMS

MATERIAL ISSUE SHEET(SI# ONLY)

CC 11581 WO # 06771706 DESCRIPTION DMW 5G69 RADIO TOWER HENDRIX CABLE RPLC
NAME _____

ADDRESS _____

VER 1 PLANT # 2865 REF # _____

PAGE 1

COORDINATOR BEAU SCOTT

QTY

DATE 07/30/20

ORDERED ISSUED UOM SI# DESCRIPTION

TIME 08:19:23

COUNTER STOCK ITEMS

1	EA	6605307	BELL END,PVC,2", TYPE DB, FOR PVC CND
1	EA	6605505	BELL END,PVC,3", TYPE DB, FOR PVC CND
21	EA	6113807	CLAMP,GRD ROD,5/8",CU CLAD GROUND
42	EA	1530298	CLIP,GROUND,#4 SOLID COPPER
756	FT	4518205	CONDUCTOR,CU,#4,SOL,BARE,SOFT DRAWN
1	EA	4635108	CONN,C-TAP,CU,#2SOL/STR,#8SOL-#4STR,COMP
21	EA	4626008	CONN,H-TAP (#1),0.162-0.332,0.162-0.332
1	EA	4626107	CONN,H-TAP (#2),0.268-0.398,0.162-0.332
1	LB	5000202	NAIL,COPPERWELD,10-D,IN 1 LB BOXES
40	EA	6259006	NUT,SQUARE,3/4",10 THD PER INCH,GALV
9	EA	4954608	TIE,ZIP,15",BLACK,NYLON
20	EA	6279806	WASHER,SPRING,3/4",DOUBLE HELIX
28	EA	6279707	WASHER,SPRING,5/8",DOUBLE HELIX
20	EA	6269302	WASHER,SQ,CURVED,3"X3",13/16" HOLE
120	EA	6280903	WASHER,SQ,FLAT,2.25"X2.25"X3/16",11/16"H

MAP MAINTENANCE CHECK-OFF SHEET

☐ NO MAPPING REQUIRED

ESTIMATOR CHECK-OFF LIST

PROJECT NAME: DMW 5G69 RADIO TOWER FEED SPACER CABLE

WORK ORDER # 6771706

☒ YES ☐ N/A
☒ YES ☐ N/A
☐ YES ☒ N/A
☒ YES ☐ N/A
☐ YES ☒ N/A
☐ YES ☒ N/A

GENERATE NEW FACILITY POINT NUMBERS
LABEL FUSE SIZES
LABEL TRANSFORMER SIZES
LABEL CONDUCTOR SIZE/TYPES
SHOW NEW OPEN POINTS CORRECTLY
LABEL STREET NAMES

☐ YES ☒ N/A
☐ YES ☒ N/A
☐ YES ☒ N/A
☒ YES ☐ N/A
☒ YES ☐ N/A
☐ YES ☒ N/A

ADD OMS PHASE STAMP TO JOB SKETCH
ASSIGN SWITCH NUMBER (GET FROM DISPATCH)
INCLUDE NOTES TO DRAFTING
INCLUDE DETAIL CONSTRUCTION NOTES TO CREWS
ATTACH PRU REPORT
INSTALL AND LABEL RIGHT-OF-WAY(S)

RIGHT-OF-WAY DOCUMENT(S) (Pick One)

☐
☐
☐

EXECUTED COPY OF ROW DOCUMENT(S) ATTACHED
RECORDED ROW DOCUMENT(S) ATTACHED
PREVIOUSLY SENT IN RECORDED RIGHT-OF-WAY DOCUMENTS

COMMENTS:

ESTIMATOR SIGNATURE:

Beau Scott

DATE: 04/08/2020

CONSTRUCTION CREW REDLINE CHECK-OFF LIST

☐ YES ☒ N/A
☐ YES ☒ N/A
☐ YES ☒ N/A
☐ YES ☒ N/A
☐ YES ☒ N/A
☐ YES ☒ N/A
☐ YES ☒ N/A
☒ YES ☐ N/A
☐ YES ☒ N/A
☐ YES ☒ N/A
☒ YES ☐ N/A

MARK PHASE STAMP ON JOB SKETCH
INDICATE TAP OR TRANSFORMER PHASE USED
INDICATE OVERHEAD/UNDERGROUND OPEN POINTS
INDICATE ANY TRANSFORMER CHANGES (SIZE, NUMBER, ETC..)
SHOW AIR BREAKS, SWITCHES (OPEN OR CLOSED)
INDICATE FUSE SIZES
VALIDATE PHASING
ATTACHED POLE PLATES
REDLINE JOB SKETCH TO REFLECT "AS BUILT" CHANGES
REDLINE PRU REPORT TO REFLECT MATERIAL CHANGES
SIGN THE MAP FIELD "FOREMAN, EMP#, JOB COMPLETE DATE"

COMMENTS:

CREW LEADER SIGNATURE:

Key Luan

DATE:

4/14/21

OPERATIONS MANAGER POST CONSTRUCTION CHECK-OFF LIST

☐ YES ☐ N/A
☐ YES ☐ N/A
☐ YES ☐ N/A
☐ YES ☐ N/A

ENSURE PHASING, FUSING AND ELECTRICAL CORRECTNESS IS INDICATED BY CONSTRUCTION CREW
FORWARD RED LINED JOB SKETCH & PRU REPORT TO GIS PRODUCTION IMMEDIATELY
ENSURE RIGHT-OF-WAY(S) INSTALLED AND LABELED ON JOB SKETCH
AS-BUILT PROCESS SUCCESSFULLY COMPLETED

- REVIEW JOB SKETCH AND PRU REPORT TO ENSURE THEY REFLECT AS BUILT CHANGES
- SEND COPY TO ESTIMATOR OF RED-LINED JOB SKETCH AND PRU REPORT
- ENSURE THE VERSION "A" IN RCMS HAS BEEN UPDATED PRIOR TO THE POSTING DATE

COMMENTS:

MANAGERS SIGNATURE:

DATE:

MAP CORRECTIONS/REDLINES TRANSMITTAL

☐ SENT TO GIS PRODUCTION, LCT 1700

DATE:

☐ RECEIVED IN GIS PRODUCTION

DATE:

The information you provide on this form is what the Joint Use department uses to both communicate and INVOICE the licenses listed on this form. Without the information, licenses cannot be accurately notified of their outstanding work or INVOICED for their portion of cost. Questions? Call or e-mail at 503-813-7022 or JointUseHelp@pacificorp.com

- ☐ Check Off what work was performed in the field for each pole listed below
- ☐ Write notes or provide a sketch for any redlines
- ☐ Check Off what we need the licensee/foreign utility to do for each pole listed below
- ☐ Sign and date the form

E-MAIL TO JOINT USE WHEN COMPLETED
E-MAIL: JointUseHelp@pacificorp.com

Request# 006771706 Status C WO# 06771706 Reg Type IEW CC# 11581 CC Name Mt Shasta Customer Collections
Reg by CAB Printed Date 05/13/2021 Printed By BRADLY ROBINSON

WO Title DMW 5G69 RADIO TOWER HENDRIX CABLE REPLC
WO Desc REPLACE 1.4 MILES OF BARE CONDUCTOR WITH COVERED CONDUCTOR
REMOVE 2 WOODEN STRUCTURES AND INSTALL 3 FIBERGLASS STRUCTUR
ES. REPLACE TRANSFORMERS AS NEEDED, REPLACE OR TRANSFER ALL
P&N THE PURPOSE OF THIS PROJECT IS TO UTILIZE COVERED CONDUCTOR
TO HARDEN THE CIRCUITS IN HFTD (HIGH FIRE THREAT DISTRICT)
AREAS TO REDUCE THE RISK OF AN IGNITION FROM OUR FACILITIES

Seq #	Mapstring/Point	Attach Height	Licenses on this pole	Is PacificCorp allowed to transfer this licensee's Attachments?	CREW WORK COMPLETED
-------	-----------------	---------------	-----------------------	---	---------------------

0020	06239004.0		NORTHLAND CABLE (CA)	NO	
	249900		Other		
					{ Set new pole
					{ Replaced pole _____' away
					{ Topped pole
					{ Removed pole butt
					{ Removed power attachment only
					{ Temp X-ferred joint use
					{ Nothing done to this pole

Joint Use To Do: () Make new attachment () Transfer () Remove attachment () Remove pole butt () Nothing required

0110	06239003.0		NORTHLAND CABLE (CA)	NO	
	182805		Other		
					{ Set new pole
					{ Replaced pole _____' away
					{ Topped pole
					{ Removed pole butt
					{ Removed power attachment only
					{ Temp X-ferred joint use
					{ Nothing done to this pole

Joint Use To Do: () Make new attachment ☒ Transfer () Remove attachment () Remove pole butt () Nothing required

Seq #	Mapstring/Point	Attach Height	Licenseses on this pole	Is PacificCorp allowed to transfer this Licensee's Attachments?	CREW WORK COMPLETED
-------	-----------------	---------------	-------------------------	---	---------------------

0130 06239003.0 _____ NORTHLAND CABLE (CA) _____ NO

☒ Set new pole
☒ Replaced pole _____' away
☒ Topped pole
☒ Removed pole butt
☒ Removed power attachment only
☒ Temp X-ferred joint use
☒ Nothing done to this pole

Joint Use To Do: () Make new attachment () Transfer () Remove attachment () Remove pole butt () Nothing required

 0140 06239003.0 _____ NORTHLAND CABLE (CA) _____ NO
 183801 _____ Other _____

☒ Set new pole
☒ Replaced pole _____' away
☒ Topped pole
☒ Removed pole butt
☒ Removed power attachment only
☒ Temp X-ferred joint use
☒ Nothing done to this pole

Joint Use To Do: () Make new attachment () Transfer () Remove attachment () Remove pole butt () Nothing required

 0150 06239003.0 _____ 0.00 NORTHLAND CABLE (CA) (T) _____ NO
 183860 _____ Other _____

☒ Set new pole
☒ Replaced pole _____' away
☒ Topped pole
☒ Removed pole butt
☒ Removed power attachment only
☒ Temp X-ferred joint use
☒ Nothing done to this pole

Joint Use To Do: () Make new attachment () Transfer () Remove attachment () Remove pole butt () Nothing required

 0230 06239003.0 _____ NORTHLAND CABLE (CA) _____ NO
 186702 _____ Other _____

☒ Set new pole
☒ Replaced pole _____' away
☒ Topped pole
☒ Removed pole butt
☒ Removed power attachment only
☒ Temp X-ferred joint use
☒ Nothing done to this pole

Joint Use To Do: () Make new attachment ☒ Transfer () Remove attachment () Remove pole butt () Nothing required

PAC_289.64

<https://pcorpstandards.com>



Only authorized personnel (employees and contractors with a login) may access this portal.

Login updates for 2021 will be delayed.

PacifiCorp employees [login](#)

PacifiCorp field [login](#)

External engineering contractors [login](#) (access gatekeeper Brian Bowles)

LSA contractors [login](#) (access gatekeeper Tim Adams)



This one

Google Chrome users:

There is a bug that prevents some installations of Chrome from bringing up the login screen and results in a "401 Unauthorized" error.
If you encounter this please use a different browser to access the site.

I

userID: 2020LSA

password: 7or#N/ea14

PAC_289.65



To: Shannon Hunter, NV5

CC: Sarah Bilbao, NV5
Andrew Dressel, NV5
Kelli Gray, NV5
Jason Miller, NV5
Kevin Wedman, NV5
Mahdi Jahami, CPUC
CPUC WSD

From: Traci Schultz, PacifiCorp

RE: Data Request 4 – PacifiCorp Responses

Date: June 2, 2021

Information to support data request number four is outlined below and provided by way of attachment. Consistent with article 36 of the executed contract please treat all information provided as confidential.

6. Standard operating procedure/plans and specifications for disarming reclosing relay and/or relay replacement (driven by WMP initiatives).

As included in Section 5.3.6.1 on page 257 of the 2020 WMP and later referenced in the 2021 WMP Update in Section 7.3.6.1 on page 172, “PacifiCorp has a specific policy to address system operations during fire season. This policy is designed to reduce the potential for ignition of a fire from sparks emitted when a line is re-energized despite a disturbance on the line. Recognizing the increasing magnitude of the wildfire risk, PacifiCorp’s policies were significantly revised in June 2018 to incorporate more conservative procedures designed to reduce the potential of ignition because of a fault on PacifiCorp’s electrical network.” This policy and latest iteration have been included as attachments.

See attachments:

- PCC-200_4.16.19.pdf
- PCC-200-T_6.05.20.pdf

It is critical to note that, in 2020, PCC-200 was extremely focused on transmission. As a result, decided to separate PCC-200 into specific distribution and transmission policies. On 6/5/2020, PCC-200 T was published. Development of a new, PCC-200 D was initiated in 2020 around the same time. However, at this time, PCC-200 D has yet to be finalized. However, a flowchart has been provided which was modelled after the transmission policy and demonstrates the general thought process and logic applied to distribution during 2020 in lieu of a formal policy.

See additional attachment PCC200-D Draft Flowchart_2020.xlsx

7. Undergrounding standard operating procedures/plans and specifications.

PacifiCorp did not perform any undergrounding as part of the 2020 Wildfire Mitigation Activities. Therefore, no additional documentation was provided. However, the company does have engineering specification/standards available if needed included in Section "G" of the overall construction standard provided.

See attachment "Constructions Standards" which includes access information to review Pacific Power construction standards.

PAC_289.66

System Operations Operating Procedure PCC-200-T

Operating Transmission Assets during Elevated Fire Risk Events

TABLE OF CONTENTS

Version History	1
1. Purpose	2
2. Background	2
3. Red Flag Warning	2
4. Fire High Consequence Area (FHCA)	2
5. Start/End of Fire Season Announcements	3
6. Bulk Electric System (BES)	3
7. Procedure-Identifying Areas/Assets Subject to Red Flag Warnings Within an FHCA. .	4
8. Procedure-Transmission (>200 kV)	5
9. Procedure – Sub-Transmission (199 kv – 35 kv)	10
10. Procedure – Distribution (< 35 kv).....	11
11. Specific Line Exemptions	11
12. Related Display Information	11
13. Additional Information.....	11
14. NERC Evidence	11
15. Appendix 1-Transmission and Sub-Transmission Flow Chart	12
16. Appendix 2-LINES WITHOUT HIGH SPEED RELAYS	13
17. Appendix 3-EXEMPTION LIST	14

VERSION HISTORY

This procedure shall be, at a minimum, reviewed annually and updated as needed.
Prior history available in PolicyTech

Date:	Action:	By:	Change Tracking:
06/05/2020	Major Update	BR	Major updates for 2020 fire season Split out distribution from this procedure to PCC-200-D. Renamed this procedure to PCC-200-T. Added FHCA.
04/16/2019	Reviewed	BR	Major formatting changes
02/27/2019	Reviewed	BR	Updated document to include revision of 5(b) to 6(b) as well as reformatted, updated numbering
06/25/2018	Major Update	BR	Updated to reflect changes related to red flag warning, break out of transmission, sub-transmission, and distribution, and added flow chart
06/21/2017	Updated	JG	Minor changes

1. PURPOSE

The purpose of this procedure is to provide proactive and real time guidelines for operating transmission (>200 kilovolts (kV)) and sub-transmission (199 – 35 kV), assets during a time period of declared “fire season”, “weather related data and/or warnings (i.e. red flag warning)”, or other elevated fire risk events.

2. BACKGROUND

This Operating Procedure No. PCC-200-T (Procedure) implements specific procedures for System Operations during applicable elevated fire risk events for each of PacifiCorp’s operating districts. This Procedure is designed to reduce the risk of a fire ignition as a result of a fault on PacifiCorp’s transmission system when fire risk is heightened.

As set forth in detail below, this Procedure directs System Operations to limit the use of line testing and of automatic reclosing equipment in certain, defined circumstances when fire risk is elevated. In addition, this Procedure prescribes special restrictions on equipment located in areas subject to elevated fire risk, based on a declaration by the National Weather Service (NWS) of a “Red Flag Warning” and/or a company identified fire high consequence area (FHCA). Red Flag Warnings are published by the NWS based on fire weather conditions (<https://www.weather.gov/wrh/>). As explained by the NWS, a Red Flag Warning means that critical fire weather conditions are either occurring or are imminent.

This procedure can also be implemented within a specified area by directive of a T&D Operations Vice President or System Operation Vice President based on available situational awareness information.

The appropriate T&D director or designee shall be consulted on the need to patrol the line prior to returning it to service. If it is determined a patrol of some type is required, the scope of the patrol shall be documented in the operator log.

3. RED FLAG WARNING

If the NWS publishes a “Red Flag Warning” in any of our service territory, the steps in this procedure shall be followed regardless of declaration of fire season.

4. FIRE HIGH CONSEQUENCE AREA (FHCA)

PacifiCorp has defined several areas throughout the system that are considered “Fire High Consequence Areas” (FHCA). Based on fire threat modelling these areas were identified

where there is an elevated risk of utility-associated wildfires to occur and spread rapidly, and where wildfire poses an imminent safety threat to persons and/or property. Operating procedures within FHCAs can be more stringent and/or adjusted based on overall situational awareness and available site specific information. The steps in this procedure shall be followed for company identified FHCAs regardless of declaration of fire season.

5. START/END OF FIRE SEASON ANNOUNCEMENTS

This Procedure shall be in effect with respect to each operating district starting with the beginning of the fire season for such district. The start of fire season for each operating district shall occur on the date on which the Vice President of System Operations announces the start of fire season for an operating district via e-mail to the Grid Operations Shift Supervisors. Before making any such announcement, the Vice President of System Operations will solicit input from the Vice Presidents of T&D Operations from each division and from personnel in Emergency Management from each division, who monitor publications by the NWS and other governmental agencies. This announcement is to be made separately for each operating district because of the variance in local conditions and the large geographic expanse of PacifiCorp's service territory. The Shift Supervisor shall notify the respective Region Director/Manager/Operator of the implementation of fire season.

Likewise, the end of fire season in each operating district will occur on the date on which the Vice President of System Operations announces the end of fire season for the operating district via e-mail to the Grid Operations Shift Supervisors. Prior to making any such announcement, the Vice President of System Operations will solicit input from the Vice Presidents of T&D Operations and Emergency Management personnel from each division. The Shift Supervisor shall notify the respective Region Director/Manager/Operator of the termination of the fire season.

As soon as practicable after the start of fire season is announced with respect to any particular operating district, System Operations is to follow the instructions in Sections 5 through 9 of these Procedures for transmission and distribution assets located in such district until the end of the operating district's fire season is announced as described above.

6. BULK ELECTRIC SYSTEM (BES)

Assets within the PacifiCorp footprint that are classified as Bulk Electric System (BES) will be treated differently than other non-BES elements. BES elements are generally associated with and impact major transmission paths or generation facilities. Automatic reclosers associated on these elements generally are equipped with high speed relays and single shot reclosers. It will be up to the discretion of the Vice President of System Operations to determine if reclosers should be disabled under FHCA/Red Flag conditions.

7. PROCEDURE-IDENTIFYING AREAS AND ASSETS SUBJECT TO RED FLAG WARNINGS WITHIN AN FHCA.

- a) **Shift Start.** At the beginning of each shift, the Grid Shift Supervisor will check for any “Red Flag Warnings” in effect within PacifiCorp’s balancing authority areas. Any changes in Red Flag status shall be communicated to the respective Region Operators.
- b) **Assess Impacted Area & Confer with Management.** If there are any active Red Flag Warnings that PacifiCorp maintains transmission assets, the Grid Shift Supervisor promptly will utilize mapping products to identify the impacted areas and assets. After compiling the information the Grid Shift Supervisor will discuss the warning situation with the Grid Operations Manager or Grid Operations Director, and the respective Region Director, Manager, or Operator(s). If the impacted area is within a Fire High Consequence Area (FHCA), a discussion should begin with the respective T&D Vice President to determine if reclosers should be turned off, especially for transmission lines that are not equipped with high speed relays (*see Appendix 2 for the list of circuits within an FHCA that are not equipped with high speed relays*).
- c) **Report Activation of Red Flag Warning Procedures.** Any changes in the Red Flag Warning status of assets shall be logged in the appropriate operator logs and shall also indicate if the Red Flag Warning involves an FHCA. The grid shift supervisor or associated grid operator shall activate the Red Flag Warnings in EMS that are associated with the appropriate substations, and notify the respective Region Operator(s).
- d) **Termination of Red Flag Warnings.** If the NWS removes a Red Flag Warning during a shift, the Grid Shift Supervisor may instruct Grid Operators and Region Operators to discontinue Red Flag Warning procedures for an area or asset. Until such instruction is received, the Grid Operators and Region Operators will maintain the Red Flag Warning designation(s) for the impacted areas and assets.
- e) **Forecasted Red Flag Warnings.** If there is a new Red Flag Warning forecasted to begin during the shift, the Grid Shift Supervisor, with the assistance of personnel in Emergency Management, will continue to monitor Red Flag Warning status. If the NWS adds a Red Flag Warning during a shift, the Grid Shift Supervisor will, as soon as practicable, implement Steps (b) through (d) above with respect to the new Red Flag Warning.

8. PROCEDURE-TRANSMISSION (>200 KV)**a) Notification to Reliability Coordinator in Event of an Imminent Fire Threat.**

When a fire event poses an imminent threat of any transmission lines/paths/equipment greater than 200 kV, the Operator shall:

- i. Notify the respective Region Operator(s).
- ii. Notify the Reliability Coordinator.
- iii. Send a message using the Regional Reliability Coordinator's messaging system for lines that are interconnected or impact a major transmission path.
- iv. Send a message to the "_GridOpsping" email distribution list.

This procedure is required under NERC Reliability Standard IRO-010-2; Requirement 3, and the Reliability Coordinator Data Request Specification v13_1; Attachment A; Section 4.6, and EOP-011-1; Requirement 1.2.6.

b) Removing Lines from Service Due to Imminent Fire Threat

When combating fires near transmission lines, fire crews will often contact System Operations and request to have lines de-energized to ensure firefighting activities can be performed safely.

- i. Lines are required to be grounded and cleared in all fire related de-energization requests.
 - A. This includes requests by fire personnel and PacifiCorp personnel such as a line patrolman.
- ii. If switchman are not immediately available to clear the line, Operator will remotely open the line via SCADA controllable points.
 - A. The line will need to be cleared as soon as possible, when switchman can arrive.
- iii. Clearly communicate the line status to the field and fire crews
 - A. If the line is de-energized but not grounded and under a clearance, it needs to be made clear to the field/fire crews that the line is NOT SAFE.
 - B. Once line becomes fully under a clearance, field and fire crews should be told that line is now safe to work in close proximity.

The appropriate T&D director or designee shall be consulted on the need to patrol the line prior to returning it to service. If it is determined a patrol of some type is required, the scope of the patrol shall be documented in the operator log.

c) Successful Auto-Reclosing Following Trip(s) Without a Known Cause (Line Energized)

- i. Assets for Which a Red Flag Warning *IS* in Effect or assets that *ARE* within an FHCA.** If a line as identified recloses successfully one time following a trip without a known cause, the Operator shall:

Note: Not all circuits are equipped with SCADA enabled reclosers, especially below 200 kV. Upon the need to disable a non SCADA enabled recloser, T&D Operations Director and/or Vice President will be consulted prior to sending personnel to the substation.

- A. Close the remote terminal breaker as appropriate and place the line back in service.
- B. Turn “OFF” reclosing by SCADA if available.
 - a If SCADA enabled recloser is not available, T&D Operations Director and/or Vice President shall be contacted prior to sending personnel to manually disable at the substation.
- C. Send a message to “_GridOpspaging” email distribution list.
- D. Notify area management and on-call field personnel that, while under a Red Flag Warning or within an FHCA, the line has successfully reclosed, following a trip without a known cause and that reclosing will remain “OFF” while investigation of the cause of the trip is made.
- E. Obtain available relay information and determine what type of investigation is required. The Operator may consider available line fault information (which may include fault location, phase indication, or fault current) and, in consultation with the appropriate field management, review local conditions. The Operator may direct, as needed, a line patrol by on-call field personnel.
- F. After completing investigation, turn “ON” reclosing by SCADA or manual action based on T&D Operations Director and/or Vice President direction.

- ii. **Assets for Which Red Flag Warning *IS NOT* in Effect or *ARE NOT* within an FHCA.** If a line as identified recloses successfully one time following a trip without a known cause, the Operator will send a message to “_GridOpspaging” email distribution list. However, if the same line recloses successfully following a trip without a known cause for a second time **within 12 hours** of the first successful reclosing event (i.e., involving a trip without a known cause) the Operator shall implement the following steps:

Note: Not all circuits are equipped with SCADA enabled reclosers, especially below 200 kV. Upon the need to disable a non SCADA enabled recloser, T&D Director and/or Vice President will be consulted prior to sending personnel to the substation.

- A. Close the remote terminal breaker as appropriate and place the line back in service.
- B. Turn “OFF” reclosing by SCADA if available.
 - a If SCADA enabled recloser is not available, T&D Director and/or Vice President shall be contacted prior to sending personnel to manually disable at the substation.
- C. Send a message to “_GridOpspaging” email distribution list.
- D. Notify area management and on-call field personnel that, during fire season, the line has successfully reclosed, following a trip without a known cause, twice within 12 hours, and that reclosing will remain “OFF” while investigation of the cause of the trip is made. If the line trips a third time within 12 hours of the initial trip, the line shall be removed from service until a patrol has been completed.
- E. Obtain available relay information and determine what type of investigation is required. The Operator may consider available line fault information (which may include fault location, phase indication, or fault current) and, in consultation with the appropriate field management, review local conditions. The Operator may direct, as needed, a line patrol by on-call field personnel.

F. After completing investigation, turn “ON” reclosing by SCADA or manual action based on field management direction.

iii. **Lock-Out While an Investigation is Pending.** If the line trips again while reclosers are “OFF” under the scenarios described in Section 8(c)(i) or 8(c)(ii) above, the Operator shall follow the procedures in Section 8(d).

d) Lock-Out after Auto-Reclosing (Operates as Designed). If the line auto-recloses and locks out, implement the following steps:

- i. Leave line out of service.
- ii. Stabilize the system.
- iii. Turn “OFF” reclosing by SCADA if available.
 - i. If SCADA enabled recloser is not available, T&D Director and/or Vice President shall be contacted prior to sending personnel to manually disable at the substation.
- iv. Back feed or pick-up load as necessary.
- v. Contact area management and on-call field personnel (i) to notify that the line has locked out and is out of service and (ii) to request a patrol of the line.
- vi. Obtain available relay information and direct on-call field personnel to perform a line patrol. In determining the scope and location of the line patrol, the Operator may consider available line fault information (which may include fault location, phase indication, or fault current) and, in consultation with the appropriate Field Management, review local conditions.
- vii. Notify the Reliability Coordinator and advise that the line will remain out of service until line patrol is complete.
- viii. Send a message using the Reliability Coordinator’s messaging system for lines that are interconnected or impact a major transmission path.

- ix. Notify Grid Operations Staff, Region System Operations, and Operations Management by sending a message to “_GridOpsping” email distribution list.
- x. After the line patrol is complete and the Operator, in consultation with the on-call field personnel, determines it is appropriate to do so, test energize the line one time.
 - A. If the test is successful, turn “ON” reclosing by SCADA, or by manual action based on field management discussion, and back feed or pickup load as necessary.
 - B. If the test is unsuccessful, return to Step v and request additional patrols.
- e) **Unsuccessful Auto-Reclosing (Relay Unavailable or Did Not Operate As Designed).** When the auto reclosing relay is not available or if the line did not reclose via reclosing relay, the following steps will be initiated following a trip:
 - i. Turn “OFF” reclosing by SCADA.
 - ii. Test energize the line one time.
 - A. If a Red Flag Warning ***IS*** in Effect or the line ***IS*** within an FHCA and if there is a successful test, back feed as necessary. Complete steps in section 8(c)(i).
 - B. If a Red Flag Warning ***IS NOT*** in Effect or the line ***IS NOT*** within an FHCA and if there is a successful test, turn “ON” reclosing by SCADA and back feed or pick-up load as necessary. If this is the second trip within 12 hours turn “OFF” reclosing by SCADA and complete remaining steps in section 8(c)(ii).
 - C. If there is an unsuccessful test, complete the steps in Section 8(d)(i) through (x) above.
- f) **Procedure for Jointly-Owned Assets in Red Flag**
 - i. If an asset that is jointly-owned between PacifiCorp and another Transmission Operator, PacifiCorp will follow the applicable Red Flag

and Fire Season procedures for the portion of the assets that are owned and operated by PacifiCorp.

- ii. Grid Operator will call and inform the other entity of PacifiCorp's fire season or Red Flag policy
 - iii. Grid Operator should not violate the Red Flag or Fire Season policy at the request of another entity (ex: entity asking for a line test after a lockout, prior to a line patrol in Red Flag conditions). However, PacifiCorp cannot prevent the other entity from operating their own equipment according to the entities internal policies.
- g) Procedure for Assets only Partially in Red Flag**
- i. For long transmission lines, it is possible that only one end, or a portion of an asset will be in a Red Flag area.
 - ii. In these cases operator will treat the entire asset as if it were in Red Flag

9. PROCEDURE – SUB-TRANSMISSION (199 KV – 35 KV)

The same procedures used for Transmission (>200 kV) in section 8 above shall be used for Sub-Transmission (199 kV – 35 kV), except that:

Note: Not all circuits are equipped with SCADA enabled reclosers, especially below 200 kV. Upon the need to disable a non SCADA enabled recloser, field management will be consulted prior to sending personnel to the substation. If the asset is located within an FHCA and does not have high speed communication assisted relay, reclosing will be turned off for fire season after consultation and approval from the T&D Operations Vice President. Should situational awareness parameters allow, reclosing can be turned “on” during fire season at the direction of the T&D Operations Vice President. See Appendix 2 “Lines Without High Speed Relays”.

- a) Sub-Transmission elements that are not equipped with high speed relays (See Appendix 2 for list of elements) shall adhere to the following:
 - i. Reclosers should be turned off as soon as conditions have been met and if the reclosers are SCADA operable. If no SCADA is available, the appropriate field Director/Vice President should be contacted prior to sending field personnel out to manually turn off reclosers.
- b) The Reliability Coordinator does not need to be notified when dealing with a sub-transmission line unless designated as Bulk Electric System (BES).
- c) The email notification lists will be “_PCC Region Notification” or “_SCC Region Notification” instead of “_GridOpspacing” unless designated as BES.

10. PROCEDURE – DISTRIBUTION (< 35 KV)

See PCC-200-D “Operating Distribution Assets during Elevated Fire Risk Events”

11. SPECIFIC LINE EXEMPTIONS

Because of unique conditions, certain lines are exempt from the procedures in this PCC-200-T. Normal procedures will be utilized in operating these exempt lines at all times. Exempt lines are as follows:

[See Appendix #3 – Exemption List]

12. RELATED DISPLAY INFORMATION

- PACFS – Fire Season Management Display

13. ADDITIONAL INFORMATION

This procedure is shared with Region System Operations, on-call field personnel and the Reliability Coordinator.

Related procedures:

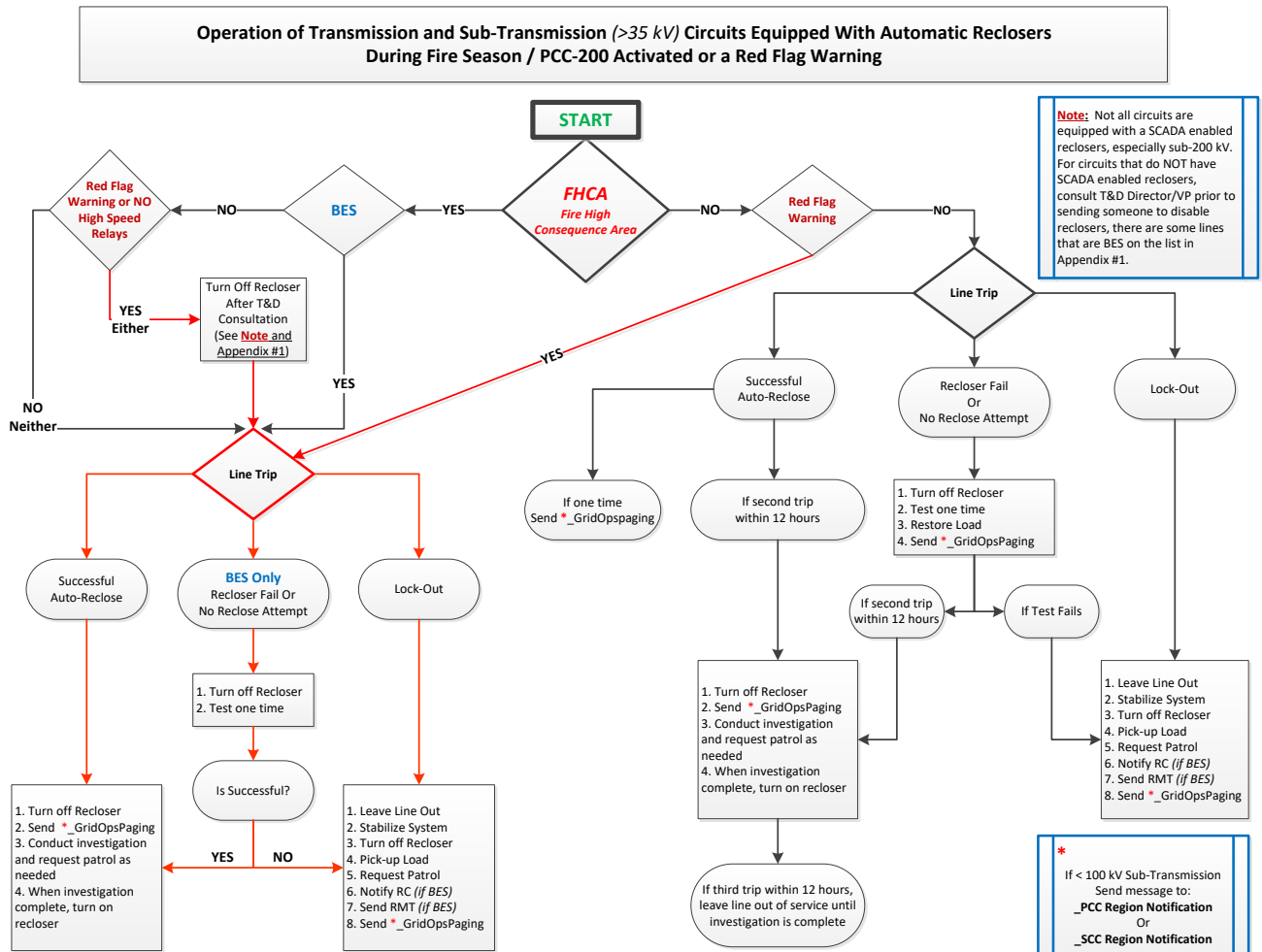
- PCC-200-D “Operating Distribution Assets during the Fire Season”
- PCC-201 “Public Safety Power Shut-off Initiation”
- PCC-600 “Grid Operations Emergency & Trouble Notification Guidelines”
- PCC-605 “System Operations Communication Protocol”
- PCC-800 “Operator Responsibilities Requirements and Authorities”
- PacifiCorp Wildland Fire Guidelines
- Rocky Mountain Power Wildland Fire Policy
- Pacific Power Wildland Fire Preparedness and Response Playbook

14. NERC EVIDENCE

This document is used as evidence for the following NERC standard requirements:

- a. EOP-011-1, Requirement 1.2.6.
- b. IRO-010-2, Requirement 3
 - a. Peak RC Data Request Specification v13_1; Attachment A; Section 4.6

15. APPENDIX 1-TRANSMISSION AND SUB-TRANSMISSION FLOW CHART



16. APPENDIX 2-LINES WITHOUT HIGH SPEED RELAYS

Substation	Transmission Line	AOR	BES Y/N	Voltage	Hi-Speed Relay
Rocky Mountain Power Facilities					
COTTONWO	COTTONWOOD - SNYDERVILLE	UCEN	Y	138	No
EDENU	EL MONTE - EDEN	UNOR	N	46	No
HALE	HALE - MIDWAY	USOU	N	138	No
HOLT	HOLT - WEST CEDAR	GOPE	Y	138	No
JUDGE	JUDGE - BRIGHTON	USOU	N	46	No
LEGRANDE	LE GRANDE - SUMMIT PARK	UCEN	N	46	No
MIDWAY	MIDWAY - JUDGE	USOU	N	46	No
PARKCITY	PARK CITY - JUDGE	USOU	N	46	No
PARKCITY	PARK CITY - SILVERCREEK	USOU	N	46	No
PARKCITY	PARK CITY - SNYDERVILLE	USOU	N	46	No
SILVERCR	SILVERCREEK - KAMAS	USOU	N	46	No
SILVERCR	SILVERCREEK - OAKLEY	USOU	N	46	No
SILVERCR	SILVERCREEK - JORDANELLE	USOU	N	138	No
TOQUERVI	COLEMAN - TOQUERVILLE	USOU	N	69	No
Pacific Power Facilities					
APPLEGAT	APPLEGATE-PROVOLT	OSOU	N	69	No
BALDMTN	BPA BALD MTN-POWERDALE	ONOR	N	69	No
CAVEJUNC	CAVE JUNCTION-GRANTS PASS	OSOU	Y	115	No
CAVEJUNC	CAVE JCT-HAPPY CAMP TAP	OSOU	N	69	No
CRAGVIEW	CRAG VIEW-MT SHASTA	OSOU	N	69	No
DAYSCREE	DAYS CREEK-DIXONVILLE	OSOU	Y	115	No
DAYSCREE	DAYS CREEK-NICKEL MOUNTAIN	OSOU	Y	115	No
DAYSCREE	DAYS CREEK-PROSPECT CENTRAL	OSOU	N	115	No
DELNORTE	DEL NORGE-CAVE JUNCTION (2 Lines)	OSOU	Y	115	No
DIXONVI2	DIXONVILLE-WINCHESTER #1	OSOU	N	115	No
DIXONVI2	DIXONVILLE-WINCHESTER #2	OSOU	N	115	No
DIXONVI2	DIXONVILLE-ROBERTS CREEK	OSOU	N	115	No
DIXONVI2	DIXONVILLE-CLOAKE-GREEN	OSOU	N	69	No
GRANTSPA	GRANTS PASS-DOWELL	OSOU	N	115	No
GRANTSPA	GRANTS PASS-DOWELL-PARK DALE JCT	OSOU	N	115	No
GRANTSPA	GRANTS PASS-BEACON	OSOU	N	69	No
GRANTSPA	GRANTS PASS-GOLD HILL	OSOU	N	69	No
JACKSONV	JACKSONVILLE-HUMBUG CREEK-MEDFORD	OSOU	N	69	No
KLAMATHF	KLAMATH FALLS-JC BOYLE TAP-WEST SIDE-WEYERHAUSER	OSOU	N	69	No
LONEPINE	LONE PINE-PROSPECT CENTRAL	OSOU	Y	69	No
MOTT	MOTT-SNOW BRUSH	OSOU	N	69	No
PROSPECC	PROSPECT CENTRAL-PROSPECT 3	OSOU	N	69	No
RIDDLE	RIDDLE-MYRTLE CREEK	OSOU	N	69	No

TUCKER	TUCKER-POWERDALE 69 KV LINE	ONOR	N	69	No
--------	-----------------------------	------	---	----	----

17. APPENDIX 3-EXEMPTION LIST

Area	Line	Justification/Description
RMP	Jim Bridger to Populus #1 345 kV	<i>Long line with frequent trips</i>
	Jim Bridger to Populus #2 345 kV	<i>Long line with frequent trips</i>
	Jim Bridger to Threemile Knoll 345 kV	<i>Long line with frequent trips</i>
	Threemile Knoll to Goshen 345 kV	<i>Long line with frequent trips</i>
	Bacchus Sub	<i>Automatic Sectionalizing Scheme</i>
	Cache Sub	<i>MOAB 7A1, 7A6 – Auto Sectionalizing</i>
	Centerville	<i>Automatic Sectionalizing Scheme</i>
	Cherrywood	<i>Automatic Sectionalizing Scheme</i>
	Cinder Butte	<i>Automatic Sectionalizing Scheme</i>
	Coalville	<i>Automatic Sectionalizing Scheme</i>
	Commerce	<i>Automatic Sectionalizing Scheme</i>
	Copper Hills	<i>Automatic Sectionalizing Scheme</i>
	Cudahay	<i>Automatic Sectionalizing Scheme</i>
	Decade	<i>Automatic Sectionalizing Scheme</i>
	Delta	<i>Hinkley Tap Sectionalizer</i>
	Delta	<i>Oasis Tap Sectionalizer</i>
	Dumas	<i>Automatic Sectionalizing Scheme</i>
	Fairchild	<i>Automatic Sectionalizing Scheme</i>
	Farmington	<i>Automatic Sectionalizing Scheme</i>
	Fresenius Tap	<i>Automatic Sectionalizing Scheme</i>
	Grace City	<i>Automatic Sectionalizing Scheme</i>
	Kerns	<i>Automatic Sectionalizing Scheme</i>
	Lake Park	<i>Automatic Sectionalizing Scheme</i>
	McKay	<i>Automatic Sectionalizing Scheme</i>
	Parkway	<i>Automatic Sectionalizing Scheme</i>
	Pleasant Grove	<i>Automatic Sectionalizing Scheme</i>
	Sand Creek	<i>Automatic Sectionalizing Scheme</i>
	Sandy	<i>Automatic Sectionalizing Scheme</i>
	Shoreline	<i>Automatic Sectionalizing Scheme</i>
	South Ogden	<i>Automatic Sectionalizing Scheme</i>
	Summit Creek	<i>Automatic Sectionalizing Scheme</i>
	Union	<i>Automatic Sectionalizing Scheme</i>
	Wallsburg	<i>Automatic Sectionalizing Scheme</i>
	Warren	<i>Automatic Sectionalizing Scheme</i>
	West Jordan	<i>Automatic Sectionalizing Scheme</i>
	Westwood	<i>Automatic Sectionalizing Scheme</i>

	White Rock	<i>Automatic Sectionalizing Scheme</i>
PP	Cave Junction Sub	<i>Auto Sectionalizing Scheme</i>
	Parkrose Sub	<i>Auto Sectionalizing Scheme</i>
	Round Butte – PGE	<i>Line Sectionalizing Scheme</i>
	Union Gap – 2Y205 & 2Y206	<i>Auto Sectionalizing Scheme</i>

PAC_289.67

System Operations Operating Procedure PCC-200

Operating Transmission and Distribution Assets during the Fire Season

TABLE OF CONTENTS

Version History	1
1. Purpose	2
2. Background	2
3. Red Flag Warnings	2
4. Start/End Of Fire Season Announcements	2
5. Procedure-Identifying Areas And Assets Subject To Red Flag Warnings	3
6. Procedure-Transmission (>100 kV)	3
7. Procedure – Sub-Transmission (99 kV – 34.5 kV)	8
8. Procedure – Distribution (< 34.5 kV).....	8
9. Specific Line Exemptions	8
10. Related Display Information	8
11. Additional Information.....	9
12. NERC Evidence	9
13. Appendix 1-Transmission And Sub-Transmission Flow Chart	9

VERSION HISTORY

This procedure shall be, at a minimum, reviewed annually and updated as needed.

Prior history available in PolicyTech

Date:	Action:	By:	Change Tracking:
04/16/2019	Reviewed	BR	Major formatting changes
02/27/2019	Reviewed	BR	Updated document to include revision of 5(b) to 6(b) as well as reformatted, updated numbering
06/25/2018	Major Update	BR	Updated to reflect changes related to red flag warning, break out of transmission, sub-transmission, and distribution, and added flow chart
06/21/2017	Updated	JG	Minor changes
06/30/2016	Updated	CN	Minor changes, added 4e

1. PURPOSE

The purpose of this procedure is to provide proactive and real time guidelines for operating transmission (>100 kilovolts (kV)), sub-transmission (99 – 34.5 kV), and distribution (<34.5 kV) assets during a time period of declared “fire season”, or “red flag warnings.”

2. BACKGROUND

This Operating Procedure No. PCC-200 (Procedure) implements specific procedures for System Operations during the applicable fire season for each of PacifiCorp’s operating districts. This Procedure is designed to reduce the risk of a fire starting during fire season as a result of a fault on PacifiCorp’s transmission and distribution systems.

As set forth in detail below, this Procedure directs System Operations to limit the use of line testing and of automatic reclosing equipment in certain, defined circumstances during fire season. In addition, this Procedure prescribes special restrictions on equipment located in areas subject to elevated fire risk, based on a declaration by the National Weather Service (NWS) of a “Red Flag Warning.” Special restrictions will apply only while the Red Flag Warning is in effect. Red Flag Warnings are published by the NWS based on fire weather conditions (<https://www.weather.gov/wrh/>). As explained by the NWS, a Red Flag Warning means that critical fire weather conditions are either occurring or are imminent.

3. RED FLAG WARNINGS

If the NWS publishes a “Red Flag Warning” in any of our service territory, the steps in this procedure shall be followed regardless of declaration of fire season.

4. START/END OF FIRE SEASON ANNOUNCEMENTS

This Procedure shall be in effect with respect to each operating district starting with the beginning of the fire season for such district. The start of fire season for each operating district shall occur on the date on which the Vice President of System Operations announces the start of fire season for an operating district via e-mail to the Grid Operations Shift Supervisors. Before making any such announcement, the Vice President of System Operations will solicit input from the Vice Presidents of T&D Operations from each division and from personnel in Emergency Management from each division, who monitor publications by the NWS and other governmental agencies. This announcement is to be made separately for each operating district because of the variance in local conditions and the large geographic expanse of PacifiCorp’s service territory.

Likewise, the end of fire season in each operating district will occur on the date on which the Vice President of System Operations announces the end of fire season for the operating district via e-mail to the Grid Operations Shift Supervisors. Prior to making any such announcement, the Vice President of System Operations will solicit input from the Vice Presidents of T&D Operations from each division and from personnel in Emergency Management from each division.

As soon as practicable after the start of fire season is announced with respect to any particular operating district, System Operations is to follow the instructions in Sections 5 through 9 of these Procedures for transmission and distribution assets located in such district until the end of the operating district's fire season is announced as described above.

5. PROCEDURE-IDENTIFYING AREAS AND ASSETS SUBJECT TO RED FLAG WARNINGS

- a) **Shift Start.** At the beginning of each shift, the Grid Shift Supervisor will check for any "Red Flag Warnings" in effect within PacifiCorp's balancing authority areas.
- b) **Assess Zone of Impact & Confer with Management.** If there are any Red Flag Warnings in effect in areas in which PacifiCorp maintains transmission and/or distribution assets, the Grid Shift Supervisor promptly will utilize mapping products to identify the impacted areas and assets and will discuss the warning situation with the Grid Operations Manager or Grid Operations Director.
- c) **Report Activation of Red Flag Warning Procedures.** Any changes in the Red Flag Warning status shall be logged in the appropriate operator logs. The shift supervisor or associated system operator shall activate the Red Flag Warnings in EMS that are associated with the appropriate substations.
- d) **Termination of Red Flag Warnings.** If the NWS removes a Red Flag Warning during a shift, the Grid Shift Supervisor may instruct Grid Operators and Region Operators to discontinue Red Flag Warning procedures for an area or asset. Until such instruction is received, the Grid Operators and Region Operators will maintain the Red Flag Warning designation(s) for the impacted areas and assets.
- e) **Forecasted Red Flag Warnings.** If there is a new Red Flag Warning forecasted to begin during the shift, the Grid Shift Supervisor, with the assistance of personnel in Emergency Management, will continue to monitor Red Flag Warning status. If the NWS adds a Red Flag Warning during a shift, the Grid Shift Supervisor will, as soon as practicable, implement Steps (b) through (d) above with respect to the new Red Flag Warning.

6. PROCEDURE-TRANSMISSION (>100 KV)

- a) **Notification to Reliability Coordinator in Event of an Imminent Fire Threat.**
When a fire event poses an imminent threat of any transmission lines/paths/equipment greater than 100 kV, the Operator shall:
 - i. Notify the Reliability Coordinator.

- ii. Send a message using the Regional Reliability Coordinator's messaging system for lines that are interconnected or impact a major transmission path.
- iii. Send a message to the "_GridOpspaging" email distribution list.

This procedure is required under Section 2.8 of Attachment 1-TOP-005-0 of NERC reliability standard TOP- 005-2a "Operational Reliability Information¹." Section 2.8 requires that Reliability Coordinator be notified in the event of "severe weather, fire, or earthquake."

b) Removing Lines from Service Due to Imminent Fire Threat

Fire crews when combating fires near transmission lines will often call into System Operations to have lines de-energized so that firefighting activities can be performed safely.

- i. Lines are required to be grounded and cleared in all fire related de-energization requests.
 - A. This includes requests by fire personnel and PacifiCorp personnel such as a line patrolman.
- ii. If switchman are not immediately available to clear the line, Operator will remotely open the line via SCADA controllable points.
 - A. The line will need to be cleared as soon as possible, when switchman can arrive.
- iii. Clearly communicate the line status to the field and fire crews
 - A. If the line is de-energized but not grounded and under a clearance, it needs to be made clear to the field/fire crews that the line is NOT SAFE.
 - B. Once line becomes fully under a clearance, field and fire crews should be told that line is now safe to work in close proximity.

c) Successful Auto-Reclosing Following Trip(s) Without a Known Cause (Line Energized)

- i. **Assets for Which a Red Flag Warning *IS* in Effect.** If a line for which a Red Flag Warning is in effect recloses successfully one time following a trip without a known cause, the Operator shall:

¹ Standard TOP-005-2a – Operational Reliability Information, NERC, page 6, <https://www.nerc.com/files/TOP-005-2a.pdf>

- A. Close the remote terminal breaker as appropriate and place the line back in service.
 - B. Turn “OFF” reclosing by SCADA.
 - C. Send a message to “_GridOpspaging” email distribution list.
 - D. Notify area management and on-call field personnel that, while under a Red Flag Warning, the line has successfully reclosed, following a trip without a known cause and that reclosing will remain “OFF” while investigation of the cause of the trip is made.
 - E. Obtain available relay information and determine what type of investigation is required. The Operator may consider available line fault information (which may include fault location, phase indication, or fault current) and, in consultation with the applicable Field Manager, review local conditions. The Operator may direct, as needed, a line patrol by on-call field personnel.
 - F. After completing investigation, turn “ON” reclosing by SCADA.
- ii. **Assets for Which Red Flag Warning *IS NOT* in Effect.** If a line not subject to a Red Flag Warning recloses successfully one time following a trip without a known cause, the Operator will send a message to “_GridOpspaging” email distribution list. However, if the same line recloses successfully following a trip without a known cause for a second time **within 12 hours** of the first successful reclosing event (i.e., involving a trip without a known cause) the Operator shall implement the following steps:
- A. Close the remote terminal breaker as appropriate and place the line back in service.
 - B. Turn “OFF” reclosing by SCADA.
 - C. Send a message to “_GridOpspaging” email distribution list.
 - D. Notify area management and on-call field personnel that, during fire season, the line has successfully reclosed, following a trip without a known cause, twice within 12 hours, and that reclosing will remain

“OFF” while investigation of the cause of the trip is made. If the line trips a third time within 12 hours of the initial trip, the line shall be removed from service until a patrol has been completed.

E. Obtain available relay information and determine what type of investigation is required. The Operator may consider available line fault information (which may include fault location, phase indication, or fault current) and, in consultation with the applicable Field Manager, review local conditions. The Operator may direct, as needed, a line patrol by on-call field personnel.

F. After completing investigation, turn “ON” reclosing by SCADA.

iii. **Lock-Out While an Investigation is Pending.** If the line trips again while reclosers are “OFF” under the scenarios described in Section 6(c)(i) or 6(c)(ii) above, the Operator shall follow the procedures in Section 6(d).

d) Lock-Out after Auto-Reclosing (Operates as Designed). If the line auto-recloses and locks out, implement the following steps:

- i. Leave line out of service.
- ii. Stabilize the system.
- iii. Turn “OFF” reclosing by SCADA.
- iv. Back feed or pick-up load as necessary.
- v. Contact area management and on-call field personnel (i) to notify that the line has locked out and is out of service and (ii) to request a patrol of the line.
- vi. Obtain available relay information and direct on-call field personnel to perform a line patrol. In determining the scope and location of the line patrol, the Operator may consider available line fault information (which may include fault location, phase indication, or fault current) and, in consultation with the applicable Field Manager, review local conditions.
- vii. Notify the Reliability Coordinator and advise that the line will remain out of service until line patrol is complete.

- viii. Send a message using the Regional Reliability Coordinator's messaging system for lines that are interconnected or impact a major transmission path.
 - ix. Notify Grid Operations Staff, Region System Operations, and Operations Management by sending a message to “_GridOpspaging” email distribution list.
 - x. After the line patrol is complete and the Operator, in consultation with the on-call field personnel, determines it is appropriate to do so, test energize the line one time.
 - A. If the test is successful, turn “ON” reclosing by SCADA and back feed or pickup load as necessary.
 - B. If the test is unsuccessful, return to Step v and request additional patrols.
- e) **Unsuccessful Auto-Reclosing (Relay Unavailable or Did Not Operate As Designed).** When the auto reclosing relay is not available or if the line did not reclose via reclosing relay, the following steps will be initiated following a trip:
- i. Turn “OFF” reclosing by SCADA.
 - ii. Test energize the line one time.
 - A. If a Red Flag Warning ***IS*** in Effect and if there is a successful test, back feed or necessary. Complete steps in section 6(c)(i).
 - B. If a Red Flag Warning ***IS NOT*** in Effect and if there is a successful test, turn “ON” reclosing by SCADA and back feed or pick-up load as necessary. If this is the second trip within 12 hours turn “OFF” reclosing by SCADA and complete remaining steps in section 6(c)(ii).
 - C. If there is an unsuccessful test, complete the steps in Section 6(d)(i) through (x) above.

7. PROCEDURE – SUB-TRANSMISSION (99 KV – 34.5 KV)

The same procedures used for Transmission (>100 kV) in section 6 above shall be used for Sub-Transmission (99 kV – 34.5 kV), except that:

- a) The Reliability Coordinator does not need to be notified when dealing with a sub-transmission line.
- b) The email notification lists will be “_PCC Region Notification” or “_SCC Region Notification” instead of “_GridOpspaging”.

8. PROCEDURE – DISTRIBUTION (< 34.5 KV)

- a) Lock-Out. When a distribution circuit breaker is in a lock-out condition the Region Operator shall initiate the following steps.
 - i. Contact on-call field personnel and area management to initiate line patrol.
 - ii. On-call field personnel to inspect to the first set of main-line protective devices (field recloser, fuses, or sectionalizer).
 - iii. Disable line reclosing by SCADA or confirm disabled, if possible, until the fault operation cause is determined or the line patrol is complete.
 - iv. Notify the local Field Manager, Field Duty Supervisor or Dispatch Duty Supervisor as appropriate.
 - v. Upon notification by line personnel that the fault operation cause has been determined or the line patrol is complete and the line is clear, follow standard step restoration procedures.

9. SPECIFIC LINE EXEMPTIONS

Because of unique conditions, certain lines are exempt from the procedures in this PCC200. Normal procedures will be utilized in operating these exempt lines at all times.

Exempt lines are as follows:

- Jim Bridger to Populus #1 345kV
- Jim Bridger to Populus #2 345kV
- Jim Bridger to Threemile Knoll 345kV
- Threemile Knoll to Goshen 345kV

10. RELATED DISPLAY INFORMATION

- PACFS – Fire Season Management Display

11. ADDITIONAL INFORMATION

This procedure is shared with Region System Operations, on-call field personnel and the Reliability Coordinator.

Related procedures:

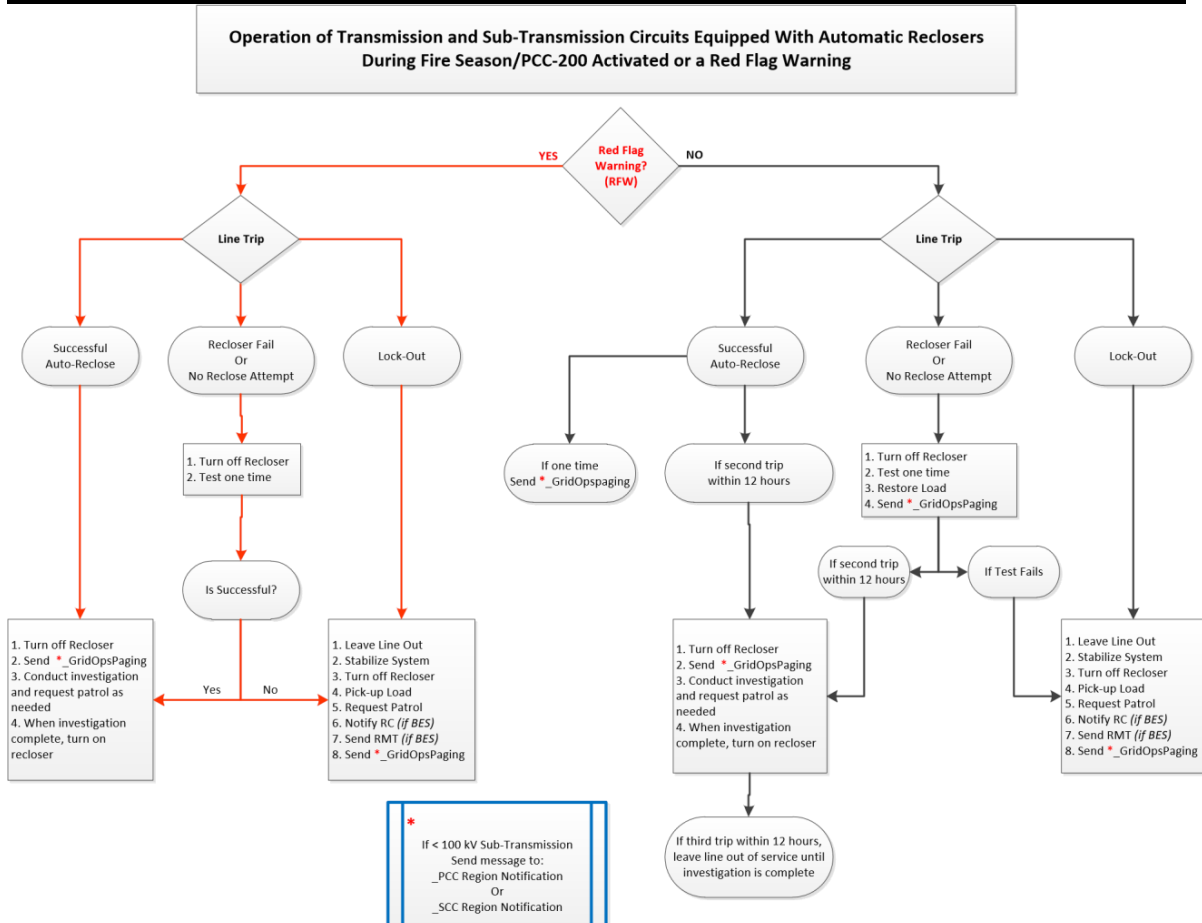
- PCC-600
- PCC-601-CA
- PCC-605
- PCC-800
- PacifiCorp Wildland Fire Guidelines
- Rocky Mountain Power Wildland Fire Policy
- Pacific Power Wildland Fire Preparedness and Response Playbook

12. NERC EVIDENCE

This document is used as evidence for the following NERC standard requirements:

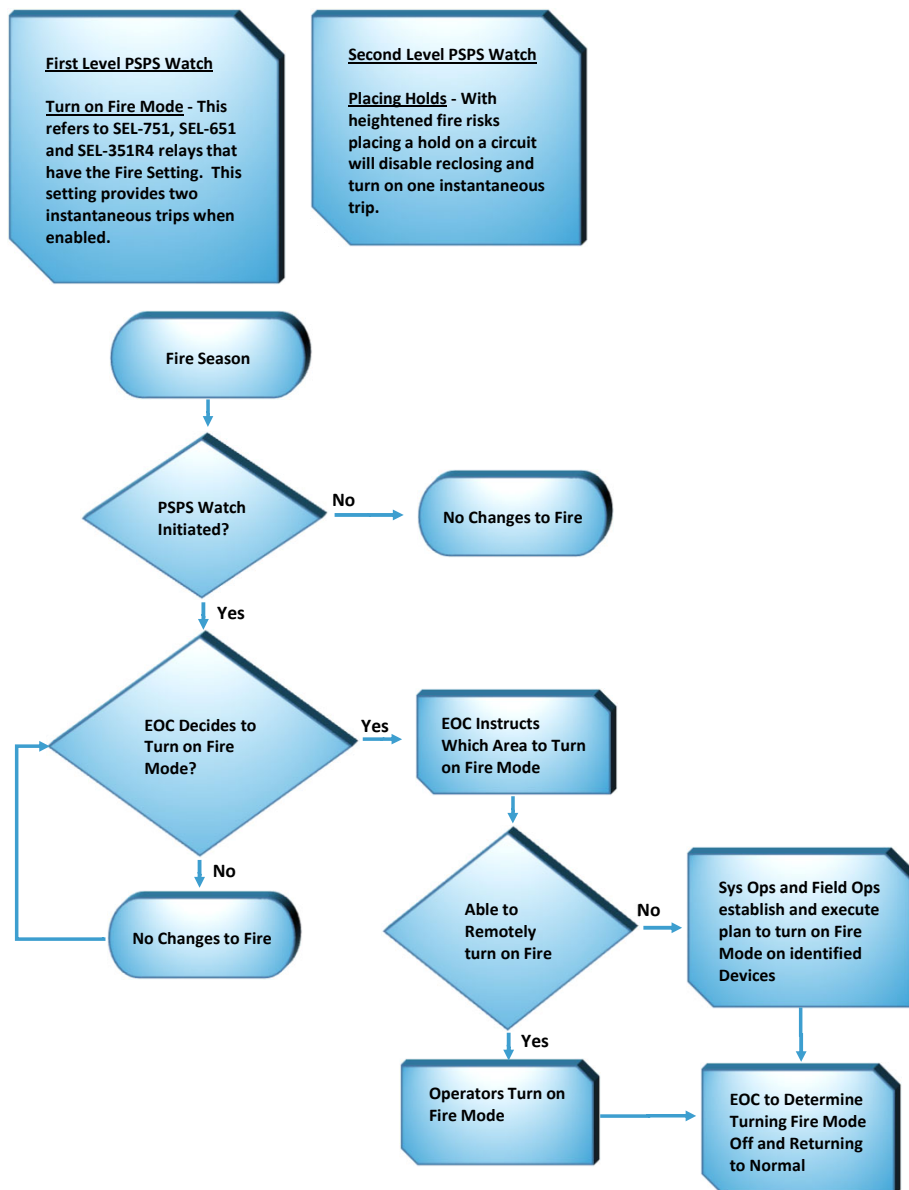
- TOP-005-2A R1

13. APPENDIX 1-TRANSMISSION AND SUB-TRANSMISSION FLOW CHART

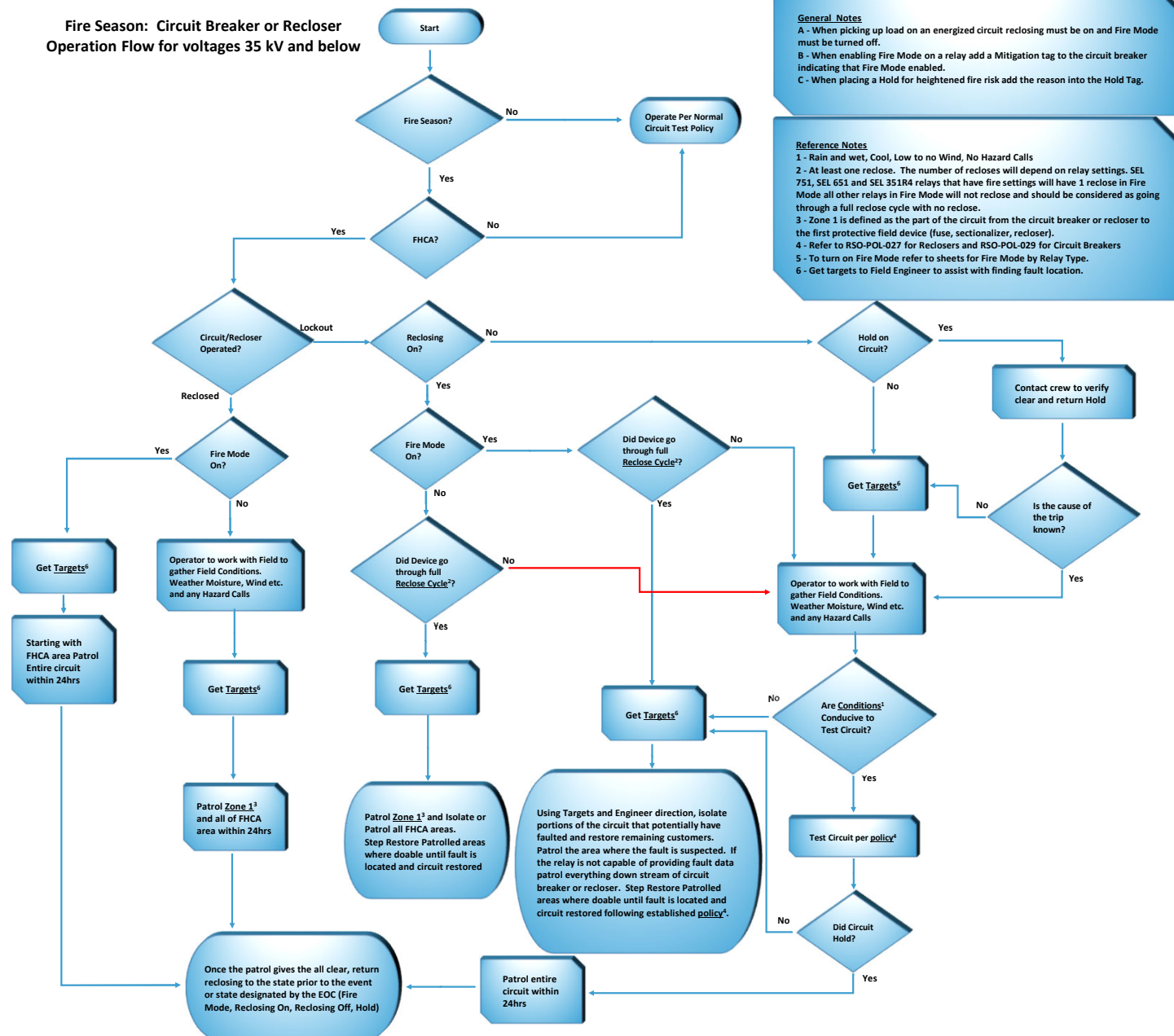


PAC_289.68

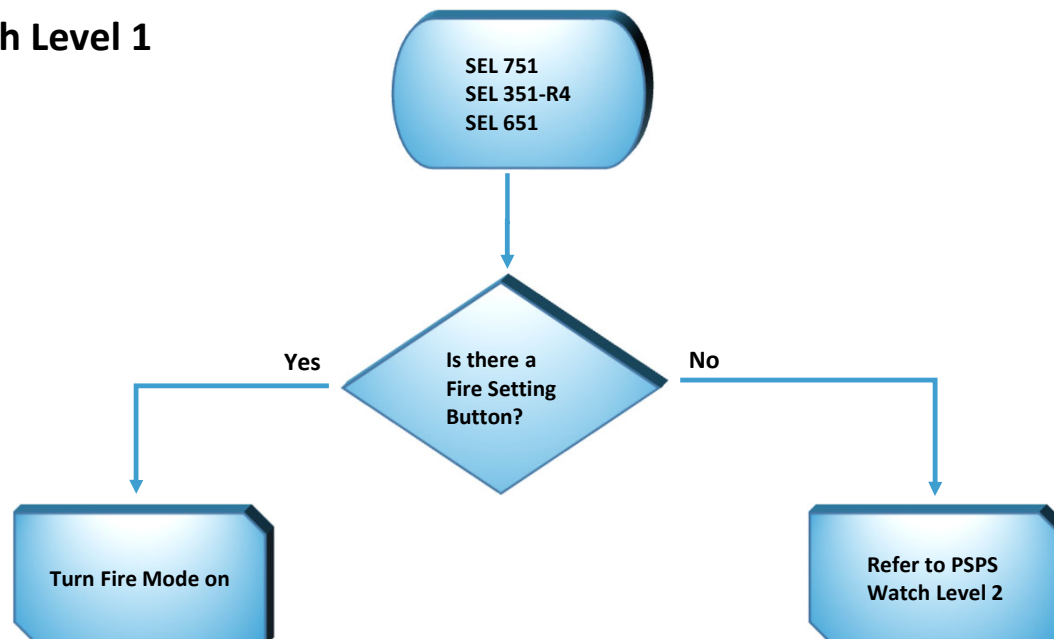
Fire Season: PSPS Fire Setting Decision Flow for Distribution Circuit Breakers and Field Reclosers 35 kV and below



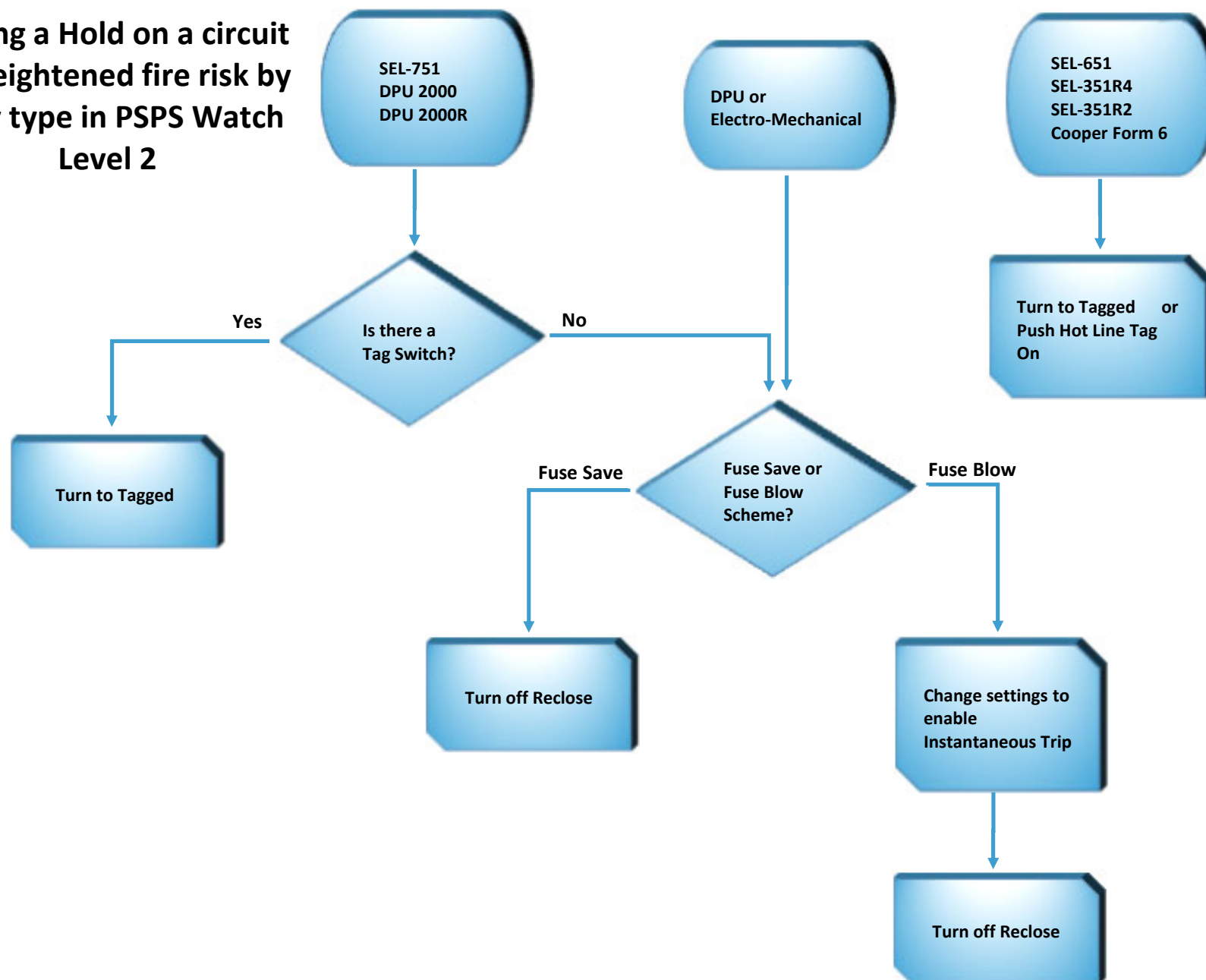
**Fire Season: Circuit Breaker or Recloser
Operation Flow for voltages 35 kV and below**



**For turning on Fire Mode in
PSPS Watch Level 1**



Placing a Hold on a circuit for heightened fire risk by relay type in PSPS Watch Level 2



PAC_289.69

Personal Protective Equipment Policy

1. Purpose

- 1.1. Pacific Power is committed to protecting company employees' at all local facilities and job worksites from harm and injury. To do this Pacific Power is committed, and required by federal and state rules and regulations, to providing a safe work environment. Adherence to the Pacific Power Personal Protective Equipment (PPE) policy will ensure conformance with those rules and regulations.

2. Scope

- 2.1. These requirements apply to all Pacific Power employees and management at all construction (new and rebuild), demolition, repair and equipment service locations, and all locations designated as PPE-required areas, except as specifically noted (see 9 below). They apply at all times in these work zones, whether or not work is in progress.
- 2.2. PPE, other than PPE specifically required for the safe operation of a vehicle, such as seatbelts and shoulder harnesses, is not required inside vehicle passenger compartments.
- 2.3. Likewise, PPE, other than that specifically required for unique hazards present, is not required inside completed buildings. This building exclusion does not apply in PPE- required areas.

3. Related Documents

- 3.1. OSHA PPE requirements.
- 3.2. Pacific Power Hearing Loss Prevention Program.
- 3.3. Pacific Power Flame-Resistant/Arc Rated Clothing Policy/Procedure.
- 3.4. Pacific Power Accident Prevention Manuals (APM).
- 3.5. Local 125, Local 659, Local 197 Labor contract/agreements.

4. OSHA Personal Protective Equipment Standard states the following

- 4.1. OSHA PPE requirements 1910.132(d)(1) The employer shall assess the workplace to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment (PPE). If such hazards are present, or likely to be present, the employer shall:

COMPANY CONFIDENTIAL – FOR INTERNAL USE ONLY		
Safety and Training Dept.	Personal Protective Equipment Policy	
Doc. 1.03.01.17.001.v4	Originally Issued: 07/06/2017	Last Revised: 2/19/2019

- 4.1.1. 1910.132(d)(1)(i) Select, and have each affected employee use, the types of PPE that will protect the affected employee from the hazards identified in the hazard assessment;
- 4.1.2. 1910.132(d)(1)(ii) Communicate selection decisions to each affected employee; and
- 4.1.3. 1910.132(d)(1)(iii) Select PPE that properly fits each affected employee.
- 4.2. Key areas to do this are by recognizing known hazards and then eliminating exposure to those hazards by implementing control measures. These control measure can include the following:
 - 4.2.1. Engineering controls.
 - 4.2.2. Conducting a hazard assessment for every job.
 - 4.2.3. Following established Personal Protective Equipment procedures.
- 4.3. The personal protective equipment standard further states the following in regards to Pacific Power's responsibility to provide and make sure employees are wearing required and appropriate personal protective equipment:
 - 4.3.1. 1910.132(a) Application. Protective equipment, including personal protective equipment for eyes, face, head, and extremities, protective clothing, respiratory devices, and protective shields and barriers, shall be provided, used, and maintained in a sanitary and reliable condition wherever it is necessary by reason of hazards of processes or environment, chemical hazards, radiological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in the function of any part of the body through absorption, inhalation or physical contact.

5. General Requirements

- 5.1. Personal protective equipment is an employee's last line of defense to reduce the risk of personal injury.
- 5.2. Pacific Power has developed a standard PPE program to establish procedures for reviewing each facility and worksite location to determine what conditions might exist that would present hazards to an employee thus requiring the use of PPE.
- 5.3. To ensure employee protection, the following workplace requirement will be enforced throughout Pacific Power:
 - 5.3.1. Company approved personal protective equipment shall be worn by all employees, management and visitors at all times in the following situations:

COMPANY CONFIDENTIAL – FOR INTERNAL USE ONLY		
Safety and Training Dept.	Personal Protective Equipment Policy	
Doc. 1.03.01.17.001.v4	Originally Issued: 07/06/2017	Last Revised: 2/19/2019

- 5.3.1.1. All industrial work environments where construction, demolition, and repair are occurring at all facility locations or job sites.
- 5.3.1.2. At equipment service locations.
- 5.3.1.3. Any other area considered a personal protective equipment required area as required in local accident prevention manuals and OSHA standards as determined by the hazard assessment.
- 5.4. Once it has been determined that personal protective equipment is required, all affected employees will be issued or required to obtain the equipment (depending on the policy for the given type personal protective equipment), trained in its use, and fitted properly to assure adequate protection.
- 5.5. When personal protective equipment is provided by the employee (new hire), it is the responsibility of the local manager to assure it meets the approved personal protective equipment list and specifications.
- 5.6. When an employee transfers to a new position or is assigned to a new classification that requires the use of personal protective equipment in which they have not been trained to use, they must obtain training prior to using the equipment.
- 5.7. Each employee must use the personal protective equipment provided in accordance with the instructions and training received.
- 5.8. Whenever an employee performs a task associated with a different job classification or on other company property/facilities, they must comply with the PPE requirements of that task or site.

6. Basic Personal Protective Equipment

- 6.1. The following personal protective equipment is considered basic personal protective equipment for the workplace requirement as required by both OSHA and accident prevention manuals rules:

- 6.1.1. Eye and Face Protective:

- 6.1.1.1. Safety glasses with side shields or goggles meeting the ANSI Z87 standard. Safety glasses without side shields are not in compliance and do not meet the regulatory requirements.
- 6.1.1.2. Each lens shall be distinctly marked in a permanent and legible manner with the manufacturer's monogram. All major spectacle components, except lenses,

COMPANY CONFIDENTIAL – FOR INTERNAL USE ONLY		
Safety and Training Dept.	Personal Protective Equipment Policy	
Doc. 1.03.01.17.001.v4	Originally Issued: 07/06/2017	Last Revised: 2/19/2019

shall bear a trademark identifying the manufacturer and shall be marked Z87 to indicate compliance with this standard.

6.1.1.3. Face shields must meet Z87 standards.

6.1.1.4. Safety glasses with side shields or goggles must be worn when using face shields. All major face shield components shall bear the trademark identifying the manufacturer and shall be marked Z87 to indicate compliance with this standard.

6.1.1.5. Safety glasses with side shields or goggles meeting the ANSI Z87 standard must be worn whenever a hard hat is required.

6.1.2. Head Protection:

6.1.2.1. A hard hat or cap with a six-point adjustable suspension meeting the requirements of ANSI Z89 Class head protection must be used.

6.1.3. Foot Protection:

6.1.3.1. Footwear must meet the requirements of ANSI Z41.1, ANSI Z41-1991, ANSI Z41.1-1967 or American Society for Testing and Materials (ASTM) F2412-05 and F2413-05 with an I/75, C/75 toe impact/compression rating and shall be worn when working in areas where there is danger of foot injuries due to falling or rolling objects, or objects piercing the sole as per the APM.

Note: ANSI and ASTM Consensus Standards are used because they are used by industry to design, construct, and test the footwear. If shoes purchased to meet the company requirements have later dates (ex – Old [American Society for Testing and Materials (ASTM) F2412-05 and F2413-05] vs Newer [American Society for Testing and Materials ASTM F2412-11 (Standard Test Methods for Foot Protection) and ASTM F 2413-17] they will be determined to meet the older standard and acceptable for use.

6.1.4. Hand Protection:

6.1.4.1. Employees shall take reasonable precautions against task-specific hazards (chemicals, heat, cold, sharp material) to prevent hand injuries. Hand protection should not rely solely upon the use of gloves. The first line of hand protection is to assess the job task and environment with the goal of identifying, eliminating and controlling hazards when possible. If not possible to eliminate sharp edges, cut, and abrasion or puncture hazards, a minimum ASTM/ANSI cut level A3 must be used.

6.1.4.2. The selection of the appropriate hand protection shall be based on an evaluation of the performance characteristics of the hand protection relative to the task(s) to be

COMPANY CONFIDENTIAL – FOR INTERNAL USE ONLY		
Safety and Training Dept.	Personal Protective Equipment Policy	
Doc. 1.03.01.17.001.v4	Originally Issued: 07/06/2017	Last Revised: 2/19/2019

performed, conditions present, duration of use, and the hazards and potential hazards identified.

6.1.4.3. Gloves shall be inspected before use for discoloration (an indication of possible contamination), punctures, tears or thinning of glove fabric such as leather, fabric (indicating end of life).

6.1.4.4. When performing tasks that involve the handling of material with sharp edges, manually handling wooden packing crates or other situations that could cause cuts or abrasions to the hands, cut resistant gloves with a minimum ASTM/ANSI cut level A3 must be used. While the use of cut resistant gloves will not protect against every potential hand injury they can provide an additional level of protection.

6.1.4.5. Other tasks may require different gloves specific to that task. (High Voltage, Low Voltage, Welding, caustic materials, vibration, oils etc.).

6.1.5. Hearing Protection:

6.1.5.1. A continuing and effective hearing protection program shall be administered whenever employee noise exposures equal or exceed sound levels of 85 decibels and the use of hearing protective devices shall be required.

6.1.5.2. Employees who are not in classifications covered by the hearing protection program are still required to be trained in hearing conservation and must wear hearing protection in areas of potentially high noise levels.

6.1.6. Flame-Resistant/Arc Rated FR/AR Clothing:

6.1.6.1. Flame-resistant-rated clothing, as described in the Flame-Resistant (FR) Clothing Policy, shall be worn by employees when they may potentially be exposed to flames or electrical arcs.

6.1.7. Additional Personal Protective Equipment:

6.1.7.1. May be required as situation and job tasks warrant as determined by the hazard assessment, personal protective equipment by job task description, or when required by company policies or as directed by management or the person in charge.

7. Additional Personal Protective Equipment

7.1. The following tasks have been identified as requiring additional personal protective equipment:

COMPANY CONFIDENTIAL – FOR INTERNAL USE ONLY		
Safety and Training Dept.	Personal Protective Equipment Policy	
Doc. 1.03.01.17.001.v4	Originally Issued: 07/06/2017	Last Revised: 2/19/2019

- 7.1.1. Personal protective equipment will be required when working in areas where chemicals are being used. Face shields and protective gloves will be worn when handling acid or caustic liquids. Goggles, aprons, chemical suits, and respirators may also be required. Face shields and protective gloves will be worn when handling acid or caustic liquids.
- 7.1.2. Face shields are required when performing any grinding operation.
- 7.1.3. When performing any welding task, all appropriate personal protective equipment such as a welding helmet, welding gloves, and specialized protective clothing must be worn.
- 7.1.4. When an employee is installing or removing a meter from an energized meter socket, they shall wear all PPE including safety glasses and a face shield unless such use of the face shield presents additional hazards, i.e. work area confinement, or visual impairment created by the use of the face shield.
- 7.1.5. In circumstances where the work space is so confined that wearing the face shield prevents getting into a safe work position, consideration should be given to de-energizing the meter socket prior to performing any work. Fogging of the inside of the face shield in cold weather can be addressed by use of an anti-fogging spray.
- 7.1.6. Scratched or damaged face shields should be replaced to maintain clear vision. Adequate lighting at the work site should allow for the use of the face shield in poor lighting conditions.

8. Higher Levels of Protection

- 8.1. Specific work environments and or tasks may present hazards for which different and or higher levels of protection than those specified above. In those situations, the environmental or task specific PPE requirements shall supersede these general requirements.

9. Exceptions

- 9.1. Exceptions when personal protective equipment is not required to be used:
 - 9.1.1. Office type environments.
 - 9.1.2. Cabs of passenger type vehicles.
 - 9.1.3. Safety hardhat, safety toe footwear, and safety eyewear are not required going to or from work at the beginning and end of each day.

COMPANY CONFIDENTIAL – FOR INTERNAL USE ONLY		
Safety and Training Dept.	Personal Protective Equipment Policy	
Doc. 1.03.01.17.001.v4	Originally Issued: 07/06/2017	Last Revised: 2/19/2019

- 9.1.4. Safety hardhat, safety toe footwear, and safety eyewear are not required in the maintenance shops and service center garages during lunch periods unless work is being performed.
- 9.1.5. Safety hardhats are not required in meter shops. Safety eyewear is also not required during lunch and break periods unless work is being performed.
- 9.1.6. Safety hardhats are not required in the warehouse in the office and counter areas (shipping and receiving).
- 9.1.7. Safety hardhats, safety toe footwear, and safety eyewear are not required in the dispatch centers and office areas, as long as work in these areas is limited to office- type work.
- 9.1.8. Designated walkways on docks/service centers as long as no work is taking place in the area.
- 9.1.9. Lunchrooms and hallways that lead to lunchrooms, as long as no work is being performed in those areas.

Note: Any questions to the above requirements, please contact safety management or your local field safety representative.

COMPANY CONFIDENTIAL – FOR INTERNAL USE ONLY		
Safety and Training Dept.	Personal Protective Equipment Policy	
Doc. 1.03.01.17.001.v4	Originally Issued: 07/06/2017	Last Revised: 2/19/2019

PAC_289.70

WMP Activities and Location

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Data Request 5 - 2020 WMP Activities & Location Information Summary														
2	Adapted from Attachment A1 - Revised SOW Initiatives_4.21.21														
3	Updated														
4	6.1.21														
5	2021 Independent Evaluator SOW														
6	WMP Plan Cycle - 2020														
7															
8	WMP Table # / Category	2020 WMP Initiative #	Initiative activity	Utility Initiative Name	2020 WMP Page Number	Type of Target (Qualitative vs Quantitative)	Type of Quantitative (Financial vs Program Target)	Units	2020 Target (2020 WMP)	IE Category (Small or Large)	Field Verification Required? (Yes/No)	Equivalent Scope of Work Task #	IE Scope	Location Information Previously Provided in Data Request 3	Location Information Lookup / Notes
9	Situational Awareness & Forecasting	5.3.2.1	Advanced weather monitoring and weather stations	Weather Information	122	Quantitative	Program Target	Weather Stations	10	Small	Yes	Task 2 - Part c	Desktop / Data / Documentation Review	Yes	See Tab 3.b. weather stations in "IE Data Request 3.xlsx" per Data Request 3.
10	Grid Design & System Hardening	5.3.3.3	Covered conductor installation	Covered Conductor	139	Quantitative	Program Target	Line-Miles	38	Small	Yes	Task 2 - Part c	Desktop / Data / Documentation Review	Yes	See "Radio Tower Feed 5G69.kmz" file per Data Request 3.
11	Grid Design & System Hardening	5.3.3.6	Distribution pole replacement and reinforcement, including with composite poles	Targeted Pole Replacement	145	Quantitative	Program Target	Poles	189	Large	Yes	Task 2 - Part c	Desktop / Data / Documentation Review	Yes	See – Tab 3.j Pole Replacements in "IE Data Request 3.xlsx" per Data Request 3.
12	Grid Design & System Hardening	5.3.3.9	Installation of system automation equipment	Relay/Recloser Replacement	153	Quantitative	Program Target	Devices / Projects	31	Small	Yes	Task 2 - Part c	Desktop / Data / Documentation Review	Yes	See Tab 3.c. Sectionalizing Devices in "IE Data Request 3.xlsx" per Data Request 3.
13	Grid Design & System Hardening	5.3.3.18	Other corrective action	Small Diameter Conductor Replacement	164	Quantitative	Program Target	Line-Miles	3	Small	Yes	Task 2 - Part c	Desktop / Data / Documentation Review	No	No 2020 actuals to report No location information provided at this time as no activities were performed
14	Asset Management & Inspections	5.3.4.1	Detailed inspections of distribution electric lines and equipment	Distribution Detailed Inspections	178	Quantitative	Program Target	Line Miles / Facilities	605	Large	No	Task 2 - Part b	Select Sample Set; Desktop / Documentation Verification	No	See "Data Request 5 – Inspections.xlsx" tab 2.1 (DIST DETAIL)
15	Asset Management & Inspections	5.3.4.2	Detailed inspections of transmission electric lines and equipment	Transmission Detailed Inspections	180	Quantitative	Program Target	Line Miles / Facilities	122	Large	No	Task 2 - Part b	Select Sample Set; Desktop / Documentation Verification	No	See – "Data Request 5 - Inspections.xlsx" tab 2.2 (TRANS DETAIL)
16	Asset Management & Inspections	5.3.4.5	Infrared inspections of transmission electric lines and equipment	LIDAR/Infrared Transmission Lines	185	Quantitative	Program Target	Line-Miles	232	Large	No	Task 2 - Part b	Select Sample Set; Desktop / Documentation Verification	Yes	See – Tab 3.g. Lidar Inspections in "IE Data Request 3.xlsx" per Data Request 3. Please note that these inspections were IR inspections but the naming convention of LIDAR inspections was used to correlated to the data request.
17	Asset Management & Inspections	5.3.4.6	Intrusive pole inspections	Intrusive Pole Inspections	189	Quantitative	Program Target	Line Miles / Facilities	250	Large	No	Task 2 - Part b	Select Sample Set; Desktop / Documentation Verification	No	See "Data Request 5 – Inspections.xlsx" tab 2.4 (Intrusive)
18	Asset Management & Inspections	5.3.4.11	Patrol inspections of distribution electric lines and equipment	Distribution Patrol Inspections	198	Quantitative	Program Target	Line Miles / Facilities	1,941	Large	No	Task 2 - Part b	Select Sample Set; Desktop / Documentation Verification	No	See – "Data Request 5 - Inspections.xlsx" tab 2.5 (DIST PATROL)
19	Asset Management & Inspections	5.3.4.12	Patrol inspections of transmission electric lines and equipment	Transmission Patrol Inspections	200	Quantitative	Program Target	Line Miles / Facilities	657	Large	No	Task 2 - Part b	Select Sample Set; Desktop / Documentation Verification	No	See – "Data Request 5 - Inspections.xlsx" tab 2.6 (TRANS PATROL)
20	Vegetation Management & Inspections	5.3.5.2	Detailed inspections of vegetation around distribution electric lines and equipment	Distribution Detailed Inspections of Vegetation	217	Quantitative	Program Target	Line-Miles	825	Large	No	Task 2 - Part b	Select Sample Set; Desktop / Documentation Verification	Yes	See Tab 3.h. Distribution in "IE Data Request 3.xlsx" per Data Request 3.
21	Vegetation Management & Inspections	5.3.5.3	Detailed inspections of vegetation around transmission electric lines and equipment	Transmission Detailed Inspections of Vegetation	220	Quantitative	Program Target	Line-Miles	345	Large	No	Task 2 - Part b	Select Sample Set; Desktop / Documentation Verification	Yes	See Tab 3.h. Transmission in "IE Data Request 3.xlsx" per Data Request 3.
22	Vegetation Management & Inspections	5.3.5.5	Fuel management and reduction of "slash" from vegetation management activities	Expanded Pole Clearing	224	Quantitative	Program Target	Poles	15,060	Large	Yes	Task 2 - Part a	Select Sample Set; Field Verify	Yes	See – Tab 3.h. Pole Clearing in "IE Data Request 3.xlsx" per Data Request 3.
23	Vegetation Management & Inspections	5.3.5.20	Vegetation management to achieve clearances around electric lines and equipment	Vegetation Cycle Clearing	243	Quantitative	Financial Reporting	\$	\$3,288,977	Large	No	Task 2 - Part b	Select Sample Set; Desktop / Documentation Verification	No	No location information provided due to financial target.