

Job Estimate Face Sheet - [REDACTED] - E

Version: 1

Project Name:	2021 WP GC 03/28	Notification:	[REDACTED]
Address:	N/A	Order Type:	E470
City:	BELDEN	PM Order Number:	[REDACTED]
County:	Plumas County	Estimate Status:	ESTS
Applicant Contact Name:		Applicant Contact Phone:	[REDACTED]
Job Owner Name:	[REDACTED]	ADE Name:	[REDACTED]
MAT Code(s):	08W	Estimator Name:	[REDACTED]
Est. Start Date:	02/16/2021	Est. End Date:	07/09/2021
Const. Start Date:	10/01/2021	Const. End Date:	06/21/2022
MLX:		Prior MLX:	NONE
BA Program:			

Job Story

Design Option:	PGE	Electric Trenching Cost:	No Elec. Trench Costs
Trenching Option:	-	Subdivision Type:	Not Subdivision
Construction Option:	PGE	Betterment:	-
Cust Owned Facility:	-		

REPLACE 453' OF 3-PHASE PRIMARY CONDUCTOR WITH 3-1/0 ACSR 12KV PRIMARY TREE WIRE CONDUCTOR, INSTALL A VIPER RECLOSER W/BYPASS SWITCH AND DISCONNECT, AND INSTALL A SWITCH IN BELDEN, CA. REQUIRED SERVICES ARE: FLAGGING,CAL TRANS, ENVIRO PERMIT, VEGETATION MANAGEMENT , TREE TRIMMING, LAND, AND SWITCHING.

Permits

[x]Caltrans PERMITS

Agreements

Other Requirements

[x]Environmental Services -
[x]Other Land Svcs -
[x]Switching -
[x]Traffic Control/Flagging -
[x]Tree Trimming/Veg. Man -

	<u>PG&E Hours</u>		<u>Applicant</u>	
<u>Job Labor</u>	Onsite	Travel	Onsite	Travel
Type				
Elec	154.5	30.6	-	-

Financial Summary (\$)

PGE Direct Cost:	Applicant Non-Rdf Work:
Applicant	Gross Financial Cost:
Overheads & Material:	Joint Utility Net:
AFUDC:	Applicant Cash:
Install Revolving Stock:	
Total Job Cost:	Job Net:

MAT Desc:

Wildfire Resiliency projects

Primary Unit Desc:

Circuit Ft of Conductor

Planned Units:

[REDACTED]

Lan ID

____/____/____
Date

Financial Details - [REDACTED] - E Version: 1

Category	PG&E			Applicant			Totals
	Install	Remove	Subtotal	Install	Remove	Subtotal	
Direct Labor							
Escalation Labor							
Labor Overhead							
Pension,Benefits,Ins							
Labor Subtotal							
Direct Material							
Escalation Material							
Material Burden							
Pension,Benefits,Ins							
Material Subtotal							
Direct Other							
Escalation Other							
Pension,Benefits,Ins							
Other Subtotal							
AFUDC							
Rev Stock							
Total Job Cost **							
Applicant Non-Rfd Work *							
Gross							
Joint Utility Net							
Applicant Cash							
Net							

Activity Labor Summary - [REDACTED] - E

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Activity Type	Task	Description	Std Txt Key	Crew Class	PG&E		Applicant	
					On-Site	Travel	On-Site	Travel
CONSTR	Cable & TX	Construction Services	CNSTRN	ED_OH_1	73.0	14.3	-	-
CONSTR	Cable & TX	Construction Services	CNSTRN	ED_OH_2	55.7	11.1	-	-
CONSTR	Cable & TX	Construction Services	CNSTRN	ED_OH_3	25.8	5.2	-	-
LNDRTS	Land	Land Rights - Misc	LAND	LAND	94.0	-	-	-
SWTCHO	Switching	Switching Operator Service	SWITCH	ED_SWTC1	52.0	-	-	-
Total					300.5	30.6	-	-

Activity Item Cost Summary - [REDACTED] E

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Agent: PGE

AIN	AIN Desc	Hours	Labor	Material	RevStock	Other	Gross	JP Net
0000	INTERNAL WORK - NOT NB BETTERMENT - NON- OPTIONAL	330.7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	-

Labor & Material Detail - [REDACTED] - E

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PG&E			Applicant	
Activity Type	On-Site	Travel	On-Site	Travel
CONSTR	155	31	-	-
LNDRTS	94	-	-	-
SWTCHO	52	-	-	-
Total	301	31	-	-

Agent: PGE AIN: 0000

Qty	Unit	Code	Description	Rate	Cost	Gross	JP Net
135	FT	290290	WIRE ELEC INSL COP 1/0 AWG 600				-
6	FT	290299	WIRE ELEC INSL AL TIE 4 AWG 50				-
3	FT	290159	WIRE ELEC BARE AL 6 AWG 2 LB H				-
3	EA	195274	WASHER FLAT 5/8" GALV WRT STL				-
1	EA	181215	BRACKET CLEARANCE INSULATOR 30				-
3	EA	033320	WASHER SPRING CLIP GALVS 5/8"				-
2	EA	140237	POLE WOOD 45' CL 3 INTUMESCENT				-
4	EA	197146	NAIL 2-1/2" X 6 GAUGE DATING F				-
0	LB	197057	NAIL 1-1/2" GALVANIZED #11 RF				-
12	EA	373271	STRIP ALUMINUM VISIBILITY WOO				-
52	HRS	SWTCHO	Switching Operator Service				-
94	HRS	LNDRTS	Land Rights - Misc				-
1	EA	343747	CONTROL BECKWITH ELEC COMPLETE				-
2	EA	149044	COVER BOLT INSULATING SQUARE				-
2	EA	195275	WASHER FLAT 3/4" GALV WRT STL				-
1	EA	343948	RECLOSER ELECTRIC VIPER-ST SOL				-
3	EA	341276	SWITCH DISCONNECT 34.5KV 600A				-
6	EA	330316	ARRESTER SURGE 15KV RISER POLE				-
6	EA	305243	CONNECTOR CABLE H-TAP COP #6-#				-
6	EA	180081	BRACKET MOUNTING CUTOUT FIGURE				-
1	EA	150592	CROSSARM COMPOSITE TANGENT 9'				-
2	EA	560622	COVER BUSHING TRANSFORMER PRIM				-
18	EA	300400	CONNECTOR FIRED WEDGE # B1-A				-
9	EA	300408	CONNECTOR FIRED WEDGE # Y1-33				-
1,427	FT	301616	WIRE TREE 15KV ACSR 1/0 - 6/1				-
10,000	USD	L00006	Permits / Fees				-
50,000	USD	L00015	VEGETATION MANAGEMENT PERMIT \$				-
45,000	USD	L00018	ENVIRONMENTAL CONSULTANTS \$				-
30,000	USD	L00208	PROVIDE TRAFFIC CONTROL SERVIC				-
1	EA	185999	ROD ANCHOR TRIPLE EYE 1-1/4" X				-
1	EA	185015	ANCHOR EXPANDING GUY 12"				-
1	EA	180199	BRACKET POLE TOP PIN INSULATOR				-
1	EA	192319	BOLT MACH 5/8"DIA 14"LG GALVS				-
1	EA	192321	BOLT MACH 5/8"DIA 16"LG GALVS				-
1	EA	195297	WASHER 5/8" GALV MI 3" X 3" CU				-
1	EA	191064	BOLT EYE 5/8"DIA 12"LG GALVS 1				-
1	KT	164003	CROSSARM C-400-3 HARDWARE KIT				-
1	EA	180069	CROSSARM COMPOSITE 9' LIGHT DU				-
1	EA	140229	POLE WOOD 45' CL 4 INTUMESCENT				-
0	PK	373278	STRIP 2" X 6" REFLECTIVE SCOTC				-

Qty	Unit	Code	Description	Rate	Cost	Gross	JP Net
3	EA	186045	GUARD GUY YELLOW PLASTIC				-
2	EA	185154	ANCHOR EXPANDING ROCK 1"DIA 30				-
1	EA	140231	POLE WOOD 35' CL 5 INTUMESCENT				-
18	EA	300409	CONNECTOR FIRED WEDGE # Y1-38				-
3	EA	181118	PIN INSULATOR 5/8" DIA 1-1/2"				-
1	EA	250048	TRANSFORMER POTENTIAL 12000:12				-
3	EA	360079	FAULT INDICATOR 1-PHASE 50A-10				-
12	EA	340356	LINK EXTENSION SWITCH # L14				-
4	EA	195061	NUT SQ 3/4" DIA GALV STL 10 TP				-
2	EA	192990	BOLT MACH 3/4"DIA 22"LG GALVS				-
4	EA	192408	BOLT MACH 3/4"DIA 14"LG GALVS				-
2	EA	192341	BOLT MACH 3/4"DIA 16"LG GALVS				-
8	EA	033501	WASHER SPRING CLIP GALVS 3/4"				-
6	EA	195293	WASHER 3/4" GALVS 3" X 3" SQ C				-
4	EA	195298	WASHER 3/4" GALV MI 4" X 4" CU				-
4	EA	199017	PLATE SHEAR GALV STL 2-5/8" X				-
2	EA	343960	SWITCH OVERHEAD 25KV 900A				-
10	RL	390190	FUSION TAPE 2.0" X 36' MDM VOL				-
18	EA	180421	COVER DEAD-END UNIVERSAL # KE1				-
21	EA	180225	DEAD END WEDGE SIDE OPEN 4-4/0				-
15	EA	310055	INSULATOR DEAD-END 25KV COMPOS				-
3	EA	300402	CONNECTOR FIRED WEDGE # B1-C				-
42	EA	202013	CARTRIDGE BLUE SHELL # 69338-1				-
60	FT	290287	WIRE ELEC INSL COP 6 AWG 600V				-
4	EA	304790	CONNECTOR FIRED WEDGE # Y2-31				-
16	EA	202014	CARTRIDGE YELLOW SHELL # 69338				-
51	FT	290293	WIRE ELEC INSUL COP 600V 500 K				-
185	HRS	CONSTR	Construction Services				-
3	EA	300470	CONNECTOR FIRED WEDGE # Y2-46				-
6	EA	184519	DEAD-END PREFORMED #1/0 STR AL				-
7	EA	310010	INSULATOR PIN TYPE POLTHN 1" P				-
3	EA	300388	CONNECTOR FIRED WEDGE # W1-A				-
3	EA	300383	CONNECTOR FIRED WEDGE # B3-AA				-
6	AY	160053	DOWN GUY ASSY 7500 LBS 3/8" CA				-
1	EA	300391	CONNECTOR FIRED WEDGE # W1-D				-
4	EA	187013	ROD GROUND 5/8" X 8'				-
4	EA	187012	CLAMP GROUND ROD 5/8"				-
0	LB	197036	NAIL 10D GALVANIZED HOT DIPPED				-
8	EA	176016	STRAP 2-HOLE 1/2" RIGID CONDUIT				-
20	FT	360368	CONDUIT PLASTIC 1/2" PVC SCHED				-
100	FT	290406	WIRE #4 AWG PROOF PTCT GROUND				-
40	EA	197078	STAPLE 2" GALVANIZED STEEL				-
7	EA	300389	CONNECTOR FIRED WEDGE # W1-B				-
11	EA	204976	CARTRIDGE RED SHELL # 69338-2				-
25	FT	290288	WIRE ELEC INSL COP 4 AWG 600V				-
100	FT	101015	CABLE GUY 3/8" GALVANIZED STEE				-
6	EA	186119	DEAD END PREFORMED 3/8" STL GU				-
2	EA	192410	BOLT MACH 3/4"DIA 12"LG GALVS				-
2	EA	195288	WASHER FLAT 3/4" GALV SQ				-
2	EA	195310	EYELET STRAND 3/4"				-
2	EA	315006	INSULATOR STRAIN GUY CER LT G				-

Plant To Be Retired - [REDACTED] - E

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Work Function	Work Stream	Component Description	Quantity	Unit	Cu Description	Year Installed
REMOVE	DISTRIBUTION	Conductor	453	FT	Remove OH Dist Cond, 1-4W All Types	1934

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ADE Report - [REDACTED]-E
Latest Calc -

Project Level

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	INSTALL	30,000.00	Flagging/Traffic Control Services				
				PL00208	[REDACTED]	USD	PROVIDE TRAFFIC CONTROL SERVICES
0000	INSTALL	45,000.00	Environmental Consultant				
				PL00018	[REDACTED]	USD	ENVIRONMENTAL CONSULTANTS \$
0000	INSTALL	94.00	Labor, Land Technician Hours				
0000	INSTALL	50,000.00	Vegetation Management Permit				
				PL00015	[REDACTED]	USD	VEGETATION MANAGEMENT PERMIT \$
0000	INSTALL	4.00	Switching, Mainline				
0000	INSTALL	10,000.00	Caltrans Encroachment Permits/Fees				
				PL00006	[REDACTED]	USD	Permits / Fees

LOC_1 D

LOC_1 D - I Install Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	INSTALL	3.00	DE, Side Open Wedge,4Str-4/0AL, AR or Cu				
				M180225	1.00	EA	DEAD END WEDGE SIDE OPEN 4-4/0 AAC
0000	INSTALL	3.00	Kaddas Fire Retardant Universal DE Cover				
				M180421	1.00	EA	COVER DEAD-END UNIVERSAL # KE11803
0000	INSTALL	1.00	Medium Voltage Fusion Tape, MVFT, Roll				
				M390190	1.00	RL	FUSION TAPE 2.0" X 36' MDM VOLTAGE MVFT
0000	INSTALL	51.00	Jumper, 500 Cu, Raptor Insulated Wire				
				M290293	1.00	FT	WIRE ELEC INSUL COP 600V 500 KCMIL
0000	INSTALL	4.00	Fired Wedge Conn, 1-602031-4, Y2-31				
				M202014	1.00	EA	CARTRIDGE YELLOW SHELL # 69338-4
				M304790	1.00	EA	CONNECTOR FIRED WEDGE # Y2-31
0000	INSTALL	9.00	Fired Wedge Conn, 602000, Y1-33				
				M300408	1.00	EA	CONNECTOR FIRED WEDGE # Y1-33
				M202014	1.00	EA	CARTRIDGE YELLOW SHELL # 69338-4
0000	INSTALL	3.00	Fired Wedge Conn, 1-602031-9, Y2-46				
				M202014	1.00	EA	CARTRIDGE YELLOW SHELL # 69338-4
				M300470	1.00	EA	CONNECTOR FIRED WEDGE # Y2-46
0000	INSTALL	3.00	Fired Wedge Conn, 276337-5, B3-AA				
				M300383	1.00	EA	CONNECTOR FIRED WEDGE # B3-AA
				M202013	1.00	EA	CARTRIDGE BLUE SHELL # 69338-1
0000	INSTALL	1.00	Guy, 1/2 Span, 50', 3/8", Galv, Pri				
				M315006	1.00	EA	INSULATOR STRAIN GUY CER LT

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Latest Calc -

Material Code	Qty	Unit	Material Description
			GRAY
M195310	1.00	EA	EYELET STRAND 3/4"
M195288	1.00	EA	WASHER FLAT 3/4" GALV SQ
M192410	1.00	EA	BOLT MACH 3/4"DIA 12"LG GALVS SQ HD
M186119	3.00	EA	DEAD END PREFORMED 3/8" STL GUY #GDE1107
M101015	50.00	FT	CABLE GUY 3/8" GALVANIZED STEEL 250'

LOC_1 D - R Remove Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	REMOVE	1.00	Remove Lead Wires, 3 Phase				

LOC_2 D

LOC_2 D - I Install Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	INSTALL	3.00	Ins, Pin, Poly, 1" Pin, HPI-55-4	M310010	1.00	EA	INSULATOR PIN TYPE POLTHN 1" PIN 15KV
0000	INSTALL	3.00	Pin, PT6, STL, 5/8"	M181118	1.00	EA	PIN INSULATOR 5/8" DIA 1-1/2" LG FST PT6
0000	INSTALL	3.00	Formed Slack Span DE, 1/0 Al/ACSR	M184519	1.00	EA	DEAD-END PREFORMED #1/0 STR AL/ACSR
0000	INSTALL	30.00	Jumper, 6 Cu, Raptor Insulated Wire	M290287	1.00	FT	WIRE ELEC INSL COP 6 AWG 600V 40' COIL
0000	INSTALL	3.00	Fired Wedge Conn, 600446, B1-C	M202013	1.00	EA	CARTRIDGE BLUE SHELL # 69338-1
				M300402	1.00	EA	CONNECTOR FIRED WEDGE # B1-C
0000	INSTALL	3.00	Medium Voltage Fusion Tape, MVFT, Roll	M390190	1.00	RL	FUSION TAPE 2.0" X 36' MDM VOLTAGE MVFT

LOC_2 D - R Remove Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	REMOVE	1.00	Remove Lead Wires, 3 Phase				

LOC_3 D

ADE Report - [REDACTED] -E

Latest Calc -

LOC_3 D - I Install Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	INSTALL	3.00	DE, Side Open Wedge,4Str-4/0AL, AR or Cu	M180225	1.00	EA	DEAD END WEDGE SIDE OPEN 4-4/0 AAC
0000	INSTALL	3.00	Kaddas Fire Retardant Universal DE Cover	M180421	1.00	EA	COVER DEAD-END UNIVERSAL # KE11803
0000	INSTALL	1.00	Medium Voltage Fusion Tape, MVFT, Roll	M390190	1.00	RL	FUSION TAPE 2.0" X 36' MDM VOLTAGE MVFT
0000	INSTALL	30.00	Jumper, 1/0 Cu, Raptor Insulated Wire	M290290	1.00	FT	WIRE ELEC INSL COP 1/0 AWG 600V 50' COIL
0000	INSTALL	3.00	Fired Wedge Conn, 600403, B1-A	M300400	1.00	EA	CONNECTOR FIRED WEDGE # B1-A
				M202013	1.00	EA	CARTRIDGE BLUE SHELL # 69338-1
0000	INSTALL	6.00	Fired Wedge Conn, 602001, Y1-38	M202013	1.00	EA	CARTRIDGE BLUE SHELL # 69338-1
				M300409	1.00	EA	CONNECTOR FIRED WEDGE # Y1-38

LOC_3 D - R Remove Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	REMOVE	1.00	Remove Lead Wires, 3 Phase				

LOC_100 D

LOC_100 D - I Install Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	INSTALL	453.00	Conductor, 1/0ACSR, Tree Wire, 3W	M301616	3.15	FT	WIRE TREE 15KV ACSR 1/0 - 6/1 STR

LOC_100 D - R Remove Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	REMOVE	453.00	Remove OH Dist Cond, 1-4W All Types				

LOC_102 D

LOC_102 D - I Install Primary

Version: 1
ADE Report - [REDACTED] -E
Latest Calc -

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	INSTALL	1.00	Pole, Wood, Intumescent Wrap, 45', CL3	M373271	3.00	EA	STRIP ALUMINUM VISIBILITY WOOD POLES
				M197057	0.08	LB	NAIL 1-1/2" GALVANIZED #11 RFG BARBED
				M197146	1.00	EA	NAIL 2-1/2" X 6 GAUGE DATING FOR POLES
				M140237	1.00	EA	POLE WOOD 45' CL 3 INTUMESCENT COVERED
0000	INSTALL	6.00	Ins, DE, Composite, PT2	M310055	1.00	EA	INSULATOR DEAD-END 25KV COMPOSITE
0000	INSTALL	6.00	DE, Side Open Wedge, 4Str-4/0AL, AR or Cu	M180225	1.00	EA	DEAD END WEDGE SIDE OPEN 4-4/0 AAC
0000	INSTALL	6.00	Ext Link, 14"	M340356	1.00	EA	LINK EXTENSION SWITCH # L14
0000	INSTALL	6.00	Kaddas Fire Retardant Universal DE Cover	M180421	1.00	EA	COVER DEAD-END UNIVERSAL # KE11803
0000	INSTALL	1.00	Medium Voltage Fusion Tape, MVFT, Roll	M390190	1.00	RL	FUSION TAPE 2.0" X 36' MDM VOLTAGE MVFT
0000	INSTALL	60.00	Jumper, 1/0 Cu, Raptor Insulated Wire	M290290	1.00	FT	WIRE ELEC INSL COP 1/0 AWG 600V 50' COIL
0000	INSTALL	6.00	Fired Wedge Conn, 600403, B1-A	M300400	1.00	EA	CONNECTOR FIRED WEDGE # B1-A
				M202013	1.00	EA	CARTRIDGE BLUE SHELL # 69338-1
0000	INSTALL	6.00	Fired Wedge Conn, 602001, Y1-38	M202013	1.00	EA	CARTRIDGE BLUE SHELL # 69338-1
				M300409	1.00	EA	CONNECTOR FIRED WEDGE # Y1-38
0000	INSTALL	1.00	BKT, 30" Insul Clearance, 1" Pin	M033320	1.00	EA	WASHER SPRING CLIP GALVS 5/8"
				M181215	1.00	EA	BRACKET CLEARANCE INSULATOR 30" OAL
				M195274	1.00	EA	WASHER FLAT 5/8" GALV WRT STL ROUND
				M290159	3.00	FT	WIRE ELEC BARE AL 6 AWG 2 LB HAND COIL
0000	INSTALL	1.00	Ins, Pin, Poly, 1" Pin, HPI-55-4	M310010	1.00	EA	INSULATOR PIN TYPE POLTHN 1" PIN 15KV
0000	INSTALL	1.00	Tie Wire, #4 Soft Drawn Insulated Al	M290299	6.00	FT	WIRE ELEC INSL AL TIE 4 AWG 50 FT COIL
0000	INSTALL	1.00	SW, Manual, USB, Hookstick, Exc 21kV-AA	M343960	1.00	EA	SWITCH OVERHEAD 25KV 900A
0000	INSTALL	1.00	MISC HDWR, SW, Hookstick	M199017	2.00	EA	PLATE SHEAR GALV STL 2-5/8" X 13/16" H
				M195298	2.00	EA	WASHER 3/4" GALV MI 4" X 4" CURVED

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				M195293	2.00	EA	WASHER 3/4" GALVS 3" X 3" SQ CURVED
				M033501	3.00	EA	WASHER SPRING CLIP GALVS 3/4"
				M192341	1.00	EA	BOLT MACH 3/4"DIA 16"LG GALVS SQ HD
				M192408	1.00	EA	BOLT MACH 3/4"DIA 14"LG GALVS SQ HD
				M192990	1.00	EA	BOLT MACH 3/4"DIA 22"LG GALVS SQ HD
				M195061	2.00	EA	NUT SQ 3/4" DIA GALV STL 10 TPI
0000	INSTALL	1.00	Potential TX, Oil, Outdoor, 12kV				
				M250048	1.00	EA	TRANSFORMER POTENTIAL 12000:120V
				M560622	2.00	EA	COVER BUSHING TRANSFORMER PRIMARY
0000	INSTALL	1.00	XArm, 9', Composite Tangent				
				M150592	1.00	EA	CROSSARM COMPOSITE TANGENT 9'
0000	INSTALL	6.00	BKT, XArm MTG for C/O				
				M180081	1.00	EA	BRACKET MOUNTING CUTOUT FIGURE 3
0000	INSTALL	6.00	Surge Arrester, ABB POLIM, 15kV,Riser CL				
				M305243	1.00	EA	CONNECTOR CABLE H-TAP COP #6-#4
				M330316	1.00	EA	ARRESTER SURGE 15KV RISER POLE
0000	INSTALL	25.00	Jumper, 4 Cu, Raptor Insulated Wire				
				M290288	1.00	FT	WIRE ELEC INSL COP 4 AWG 600V 40' RL
0000	INSTALL	7.00	Fired Wedge Conn, 277060-2, R1-B				
				M204976	1.00	EA	CARTRIDGE RED SHELL # 69338-2
				M300389	1.00	EA	CONNECTOR FIRED WEDGE # W1-B
0000	INSTALL	1.00	Disconnect, Part 57H, 600A on Equip, 3EA				
				M341276	3.00	EA	SWITCH DISCONNECT 34.5KV 600A OUTDOOR
0000	INSTALL	30.00	Jumper, 6 Cu, Raptor Insulated Wire				
				M290287	1.00	FT	WIRE ELEC INSL COP 6 AWG 600V 40' COIL
0000	INSTALL	1.00	Recloser PKG, G&W Viper ST, 27kV Non-AA				
				M343948	1.00	EA	RECLOSER ELECTRIC VIPER-ST SOLID
0000	INSTALL	1.00	Misc HDWR, G&W Viper ST Recloser				
				M033501	2.00	EA	WASHER SPRING CLIP GALVS 3/4"
				M195293	2.00	EA	WASHER 3/4" GALVS 3" X 3" SQ CURVED
				M195275	2.00	EA	WASHER FLAT 3/4" GALV WRT STL ROUND
				M192408	2.00	EA	BOLT MACH 3/4"DIA 14"LG GALVS SQ HD
				M149044	2.00	EA	COVER BOLT INSULATING SQUARE
0000	INSTALL	1.00	Recloser Control,Beckwith 42Pin Complete				
				M343747	1.00	EA	CONTROL BECKWITH ELEC COMPLETE 42-PIN LR
0000	INSTALL	2.00	PPC-PGW GRD ASM w/8' PVC MLDG				
				M197078	20.00	EA	STAPLE 2" GALVANIZED STEEL
				M290406	50.00	FT	WIRE #4 AWG PROOF PTCT GROUND COPPER
				M360368	10.00	FT	CONDUIT PLASTIC 1/2" PVC

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ADE Report - [REDACTED] -E
Latest Calc -

				SCHEDULE 40			
				M176016	4.00	EA	STRAP 2-HOLE 1/2" RIGID CONDUIT
				M197036	0.11	LB	NAIL 10D GALVANIZED HOT DIPPED COM WIRE
0000	INSTALL	4.00	GRD Rod, 5/8"x8'				
				M187012	1.00	EA	CLAMP GROUND ROD 5/8"
				M187013	1.00	EA	ROD GROUND 5/8" X 8'
0000	INSTALL	1.00	Fired Wedge Conn, 277060-4, R1-D				
				M204976	1.00	EA	CARTRIDGE RED SHELL # 69338-2
				M300391	1.00	EA	CONNECTOR FIRED WEDGE # W1-D

LOC_103 D

LOC_103 D - I Install Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	INSTALL	1.00	Pole, Wood, Intumescent Wrap, 45', CL3				
				M373271	3.00	EA	STRIP ALUMINUM VISIBILITY WOOD POLES
				M197057	0.08	LB	NAIL 1-1/2" GALVANIZED #11 RFG BARBED
				M197146	1.00	EA	NAIL 2-1/2" X 6 GAUGE DATING FOR POLES
				M140237	1.00	EA	POLE WOOD 45' CL 3 INTUMESCENT COVERED
0000	INSTALL	6.00	Ins, DE, Composite, PT2				
				M310055	1.00	EA	INSULATOR DEAD-END 25KV COMPOSITE
0000	INSTALL	6.00	DE, Side Open Wedge,4Str-4/0AL, AR or Cu				
				M180225	1.00	EA	DEAD END WEDGE SIDE OPEN 4-4/0 AAC
0000	INSTALL	3.00	Kaddas Fire Retardant Universal DE Cover				
				M180421	1.00	EA	COVER DEAD-END UNIVERSAL # KE11803
0000	INSTALL	1.00	Medium Voltage Fusion Tape, MVFT, Roll				
				M390190	1.00	RL	FUSION TAPE 2.0" X 36' MDM VOLTAGE MVFT
0000	INSTALL	30.00	Jumper, 1/0 Cu, Raptor Insulated Wire				
				M290290	1.00	FT	WIRE ELEC INSL COP 1/0 AWG 600V 50' COIL
0000	INSTALL	3.00	Fired Wedge Conn, 600403, B1-A				
				M300400	1.00	EA	CONNECTOR FIRED WEDGE # B1-A
				M202013	1.00	EA	CARTRIDGE BLUE SHELL # 69338-1
0000	INSTALL	3.00	Fired Wedge Conn, 277060-1, R1-A				
				M204976	1.00	EA	CARTRIDGE RED SHELL # 69338-2
				M300388	1.00	EA	CONNECTOR FIRED WEDGE # W1-A
0000	INSTALL	6.00	Fired Wedge Conn, 602001, Y1-38				
				M202013	1.00	EA	CARTRIDGE BLUE SHELL # 69338-1
				M300409	1.00	EA	CONNECTOR FIRED WEDGE # Y1-38
0000	INSTALL	1.00	SW, Manual, USB, Hookstick, Exc 21kV-AA				
				M343960	1.00	EA	SWITCH OVERHEAD 25KV 900A
0000	INSTALL	1.00	MISC HDWR, SW, Hookstick				

Version: 1
ADE Report - [REDACTED]-E
Latest Calc -

				M199017	2.00	EA	PLATE SHEAR GALV STL 2-5/8" X 13/16" H
				M195298	2.00	EA	WASHER 3/4" GALV MI 4" X 4" CURVED
				M195293	2.00	EA	WASHER 3/4" GALVS 3" X 3" SQ CURVED
				M033501	3.00	EA	WASHER SPRING CLIP GALVS 3/4"
				M192341	1.00	EA	BOLT MACH 3/4"DIA 16"LG GALVS SQ HD
				M192408	1.00	EA	BOLT MACH 3/4"DIA 14"LG GALVS SQ HD
				M192990	1.00	EA	BOLT MACH 3/4"DIA 22"LG GALVS SQ HD
				M195061	2.00	EA	NUT SQ 3/4" DIA GALV STL 10 TPI
0000	INSTALL	6.00	Ext Link, 14"				
				M340356	1.00	EA	LINK EXTENSION SWITCH # L14
0000	INSTALL	3.00	FLT IND,50A-1200A 1PH AUTO ADJ				
				M360079	1.00	EA	FAULT INDICATOR 1-PHASE 50A-1000A
0000	INSTALL	1.00	Anchor, Rock, 1"x 30" Rod, 18M				
				M185154	1.00	EA	ANCHOR EXPANDING ROCK 1"DIA 30" L
0000	INSTALL	1.00	Labor, Dig Anchor Hole By Hand				
0000	INSTALL	2.00	Down Guy Asm, 3/8" Galv				
				M160053	1.00	AY	DOWN GUY ASSY 7500 LBS 3/8" CA
0000	INSTALL	1.00	Guy Marker, Yellow, 8', w/Vis Strip				
				M186045	1.00	EA	GUARD GUY YELLOW PLASTIC
				M373278	0.12	PK	STRIP 2" X 6" REFLECTIVE SCOTCHLITE

LOC_105 D

LOC_105 D - I Install Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	INSTALL	1.00	Pole, Wood, Intumescent Wrap, 35', CL5				
				M140231	1.00	EA	POLE WOOD 35' CL 5 INTUMESCENT COVERED
				M197146	1.00	EA	NAIL 2-1/2" X 6 GAUGE DATING FOR POLES
				M197057	0.08	LB	NAIL 1-1/2" GALVANIZED #11 RFG BARBED
				M373271	3.00	EA	STRIP ALUMINUM VISIBILITY WOOD POLES
0000	INSTALL	1.00	Guy, 1/2 Span, 50', 3/8", Galv, Pri				
				M315006	1.00	EA	INSULATOR STRAIN GUY CER LT GRAY
				M195310	1.00	EA	EYELET STRAND 3/4"
				M195288	1.00	EA	WASHER FLAT 3/4" GALV SQ
				M192410	1.00	EA	BOLT MACH 3/4"DIA 12"LG GALVS SQ HD
				M186119	3.00	EA	DEAD END PREFORMED 3/8" STL GUY #GDE1107
				M101015	50.00	FT	CABLE GUY 3/8" GALVANIZED STEEL

Version: 1
ADE Report - [REDACTED] -E
Latest Calc -

			250'				
0000	INSTALL	1.00	Anchor, Rock, 1"x 30" Rod, 18M	M185154	1.00	EA	ANCHOR EXPANDING ROCK 1"DIA 30" L
0000	INSTALL	1.00	Labor, Dig Anchor Hole By Hand				
0000	INSTALL	2.00	Down Guy Asm, 3/8" Galv	M160053	1.00	AY	DOWN GUY ASSY 7500 LBS 3/8" CA
0000	INSTALL	1.00	Guy Marker, Yellow, 8', w/Vis Strip	M186045	1.00	EA	GUARD GUY YELLOW PLASTIC
				M373278	0.12	PK	STRIP 2" X 6" REFLECTIVE SCOTCHLITE

LOC_106 D

LOC_106 D - I Install Primary

Work Agent: PGE

AIN	Work Function	CU Qty	CU Description	Material Code	Qty	Unit	Material Description
0000	INSTALL	1.00	Pole, Wood, Intumescent Wrap, 45', CL4	M373271	3.00	EA	STRIP ALUMINUM VISIBILITY WOOD POLES
				M197057	0.08	LB	NAIL 1-1/2" GALVANIZED #11 RFG BARBED
				M197146	1.00	EA	NAIL 2-1/2" X 6 GAUGE DATING FOR POLES
				M140229	1.00	EA	POLE WOOD 45' CL 4 INTUMESCENT COVERED
0000	INSTALL	1.00	XArm, Composite DE, 9', LT	M180069	1.00	EA	CROSSARM COMPOSITE 9' LIGHT DUTY DEADEND
0000	INSTALL	1.00	XArm HDWR,3W DE/DDE/Slack,LT Pin,C-400-3	M164003	1.00	KT	CROSSARM C-400-3 HARDWARE KIT
0000	INSTALL	1.00	Ins, DE, Composite, PT2 w/Eyebolt	M310055	1.00	EA	INSULATOR DEAD-END 25KV COMPOSITE
				M191064	1.00	EA	BOLT EYE 5/8"DIA 12"LG GALVS 1-1/2" EYE
				M195297	1.00	EA	WASHER 5/8" GALV MI 3" X 3" CURVED
0000	INSTALL	2.00	Ins, DE, Composite, PT2	M310055	1.00	EA	INSULATOR DEAD-END 25KV COMPOSITE
0000	INSTALL	3.00	DE, Side Open Wedge,4Str-4/0AL, AR or Cu	M180225	1.00	EA	DEAD END WEDGE SIDE OPEN 4-4/0 AAC
0000	INSTALL	3.00	Kaddas Fire Retardant Universal DE Cover	M180421	1.00	EA	COVER DEAD-END UNIVERSAL # KE11803
0000	INSTALL	3.00	Medium Voltage Fusion Tape, MVFT, Roll	M390190	1.00	RL	FUSION TAPE 2.0" X 36' MDM VOLTAGE MVFT
0000	INSTALL	3.00	Ins. Pin, Poly, 1" Pin, HPI-55-4	M310010	1.00	EA	INSULATOR PIN TYPE POLTHN 1" PIN 15KV
0000	INSTALL	1.00	Pole-Top Pin Ins BKT, FBRGLS, 18", 1"				

Version: 1
ADE Report - [REDACTED] -E
Latest Calc -

				M195274	2.00	EA	WASHER FLAT 5/8" GALV WRT STL ROUND
				M192321	1.00	EA	BOLT MACH 5/8"DIA 16"LG GALVS SQ HD
				M192319	1.00	EA	BOLT MACH 5/8"DIA 14"LG GALVS HW HD
				M180199	1.00	EA	BRACKET POLE TOP PIN INSULATOR 18"
				M033320	2.00	EA	WASHER SPRING CLIP GALVS 5/8"
0000	INSTALL	3.00	Formed Slack Span DE, 1/0 Al/ACSR				
				M184519	1.00	EA	DEAD-END PREFORMED #1/0 STR AL/ACSR
0000	INSTALL	15.00	Jumper, 1/0 Cu, Raptor Insulated Wire				
				M290290	1.00	FT	WIRE ELEC INSL COP 1/0 AWG 600V 50' COIL
0000	INSTALL	6.00	Fired Wedge Conn, 600403, B1-A				
				M300400	1.00	EA	CONNECTOR FIRED WEDGE # B1-A
				M202013	1.00	EA	CARTRIDGE BLUE SHELL # 69338-1
0000	INSTALL	2.00	Down Guy Asm, 3/8" Galv				
				M160053	1.00	AY	DOWN GUY ASSY 7500 LBS 3/8" CA
0000	INSTALL	1.00	Anchor, Expanding, 1-1/4"x10' Rod, 20M				
				M185015	1.00	EA	ANCHOR EXPANDING GUY 12"
				M185999	1.00	EA	ROD ANCHOR TRIPLE EYE 1-1/4" X 10'
0000	INSTALL	1.00	Guy Marker, Yellow, 8', w/Vis Strip				
				M186045	1.00	EA	GUARD GUY YELLOW PLASTIC
				M373278	0.12	PK	STRIP 2" X 6" REFLECTIVE SCOTCHLITE