

Substation 10 Upgrades

1	Operate main breaker to verify operation. Rpr as necessary.	Completed
2	Install sheet metal covers to prevent pest infiltration.	Completed
3	Install proper replacement fuses.	Completed

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Substation 11 Upgrades		
	New Batteries	Completed

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Substation 3 Upgrades		
1	Replace primary H2 bushing.	Completed
2	Verify nitrogen pressure	Completed
3	Secure all openings with sheet metal to prevent pest infiltration.	Completed
4	Replace damaged components in the potential transf. Compartment.	Completed
5	Repair main breaker B-phase ICS.	Completed
6	Procure/install new batteries and rack.	Completed

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Substation 9 Upgrades		
1	Repair chipped (XO) bushing.	Completed
2	Secure openings with sheet metal.	Completed
3	Repair/replace ITE relay, feeder #2.	Completed

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Franky Maloy

<u>ITEM</u>	<u>SCOPE</u>	<u>Status</u>
Upgrade KUMSC substation		
1	Add breaker position switch and perform preventative maint. testing of associated transformer and switch gear.	Completed
2	Add synchronizing relays and perform preventative maint. testing of switchgear.	Completed
3	Correct I.D. tags and upgrade indicating light assemblies.	Completed
4	Investigate parallel utility breaker tripping.	Completed
5	Add insulating oil to tap changer.	Completed
6	Test Power transformer insulation power factor. Report deficiencies.	Completed
7	Verify 1.0 psi positive nitrogen pressure.	Completed
8	Replace secondary wiring assoc. with the potential transformer.	Completed
9	Install sheet metal cover over switchgear openings.	Completed
Add Scope	Install 3 phase relay	Completed
Add Scope	Control circuit operations	Completed
Add Scope	Evaluate 15KV breaker	Completed
Add Scope	Breaker/Generator Interlock	Completed

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Substation 24A Upgrades

1	Correctly install medium voltage conductors' shield (ground).	Completed
2	Anchor switch gear to concrete.	Completed

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Substation 28 Upgrades

1	Check nitrogen positive pressure.	Completed
2	Replace racking position ind. Tape.	Completed
3	Connect space heaters.	Completed
4	Replace inspection windows.	Completed
5	Anchor switchgear to concrete foundation.	Completed
6	Inspect KWH meter for proper op.	Completed
7	New Batteries	Completed

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Substation 23 Upgrades

1	Repair oil leaks on cooling fans.	Completed
2	Refill oil tank Positive nitrogen.	Completed
3	Remove concrete trans. Pad and install new pad.	Completed
4	Perform maint. On medium voltage circuit breakers.	Completed
5	Inspect/repair as nec. stationary contacts/tab assemblies.	Completed
6	Inspect/repair secondary contacts, check main breaker operation.	Completed
7	Inspect batteries. Correct as reqd.	Completed
8	Secure all openings with sheet metal.	Completed

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