

DOCKETED

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Appendix D

1st Quarter Transmission Line Inspection

MIDWAY SUNSET INSPECTION REPORT

Inspection Date: 3/28/2025 WO# 163752

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
1-1	9 new anchors installed 8/2015	N/A	5	CGP (5) Guys not attached to cow guard poles in pasture land.
			5	D Daylight between pole and pole eye plates - several dead end attachment items are loose (show daylight), but secure. These are a result of pole shrinkage over the years
			5	D Daylight between south guy attachment and pole and pole eye plates - up to 1/4"-3/4"
			5	HVS HVS missing or needs replacing (3)
			2	RP B pole split at phase position and eye plate is pulling through structure, potential anti-split bolts to close the split as a temp fix
			4	PG Grounding at C phase hardware pulled out
			3	LG (3) Loose guy wires on the northside of the three pole structure backing up the phases.
			0	RL Range land.
1-2	OK	COND AND EHS BOTH - AH and BK	5	CR Spiral crack, A & C poles full length
			5	CR C pole horizontal insulator hardware bolt in crack
			5	HVS HVS missing or needs replacing (2)
			5	GG Guy guards missing need replacing due to uv damage
			4	CK Turnbuckle on pole C has a cotter key halfway out
			3	LG (1) Bisecting guy wire supporting the static needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
			4	S Pole grounds need staples replaced on all three poles
			0	RL Range land.
1-3	N/A	COND AND EHS BOTH - AH and BK	4	LN Loose (1) 1/2" nut on B phase center bottom V brace
			5	HVS HVS missing or needs replacing (1)
			4	PG Pole ground loose Pole B
			5	SWTD Spring Washer turned down on lower X brace B pole
			0	RL Range land.
1-4	N/A	N/A	4	LN (1) 1/2" bolt backed out 3/8" under center bottom V brace and top V brace at A pole
			5	D Daylight between Knee brace and A & B poles (less than 1/4")
			5	D Daylight between top of X brace and A pole (less than 3/8")
			4	BW End of bird wire loose above A phase
			5	XB X-braces starting to de-laminate.
			4	LN Loose bolt top knee pole A
			5	HVS HVS missing or needs replacing (3)
			0	RL Range land.
1-5	N/A	COND AND EHS BOTH - AH and BK	5	S Ground wire staples on A pole coming out in several places
			4	BW Loose bird wire over B and C phase
			5	CR A & B pole shield wires kicked BOL hard on static bar and C phase AOL
			0	RL Range land.
			0	RL Range land.
1-6	N/A	N/A	5	SWTD Spring Washer turned down on upper X brace A pole
			5	XB X-braces starting to de-laminate.
			0	RL Range land.
			0	RL Range land.
			0	RL Range land.
1-7	N/A	COND AND EHS BOTH - AH and BK	4	BW Bird wire coming loose above A phase
			5	CR Crack in A pole is up to 1" wide 10' up
			5	D Daylight at C phase V brace @ pole 1/8" gap
			5	D Daylight at bottom of X brace at both A and B pole (<1/8")
			5	HVS HVS missing or needs replacing (3)
			0	RL Range land.
1-8	7 new anchors installed 8/2015	N/A	5	CR A & C pole split at shield wire hardware attachment
			5	S Ground wire staples in various places coming out on A, B, C poles
			5	D Daylight between pole eye plate and pole on A, B, C poles (1/4" to 1/2")
			5	HVS HVS missing or needs replacing (3)
			5	GG Guy Guards missing (3) Replaces remaining due to uv damage
			4	LN C phase suspension shoe has loose nut
			4	CGP 2 Cattle rub poles broken off
			0	RL Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
2-1	N/A	COND AND EHS BOTH - AH and BK	5 CR	Bottom X brace hardware in crack
			4 MN	Missing (1) 1/2" nut on bottom Knee brace on pole A
			5 GW	Ground wire (normally above pole tops) bent down below top of pole
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Bottom of the V brace has a bolt backing out and on upper V-brace at pole B
			4 BW	Loose bird wire over B phase
			5 S	Ground wire staples on A and B poles missing in upper portion of pole
			0 RL	Range land;
2-2	N/A	N/A	4 MN	Missing (1) 1/2" nut and (1) 1/2" lock nut on X bracing center clamp
			4 LN	A pole top X brace - loose bolt backed out 1/2"
			5 S	Ground wire staples on B pole coming out above cross arm
			5 D	Daylight between B pole and bottom X brace attachment (1/8")
			5 S	A pole top ground wire loose from top of pole
			5 HVS	HVS missing or needs replacing (3)
2-3	N/A	COND AND EHS BOTH - AH and BK	5 CR	Large split on the top of B pole; at static rail attachment (1 side of pole only). Spiral cracking up to 10' (1" wide)
			5 S	Ground wire staples in several places on B pole bottom are backing out
			5 GW	Ground wire (normally above pole tops) bent down below top of pole
			5 D	Daylight between A pole and upper X brace (1/8")
			5 HVS	HVS missing or needs replacing (2)
			5 BW	Bird wire hanging over C phase
			4 BW	Bird wire end loose above B pole and hanging down
			0 RL	Range land;
2-4	N/A	N/A	5 D	Daylight between B pole and bottom X brace (1/8")
			4 BW	Bird wire end loose above B phase, but not hanging down
			5 CR	Minor cracking in various places going up A & B poles
			4 EHS	East static shoe pulled AOL 2"
			5 HVS	HVS missing or needs replacing (3)
2-5	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 5/8" nut above C phase inside crossarm; and Loose (1) 1/2" bolt backed out 1/8" upper outside V brace B pole
			4 EHS	A pole shield wire BOL (approx. 2")
			5 COND	A phase AOL 3-4" due to structure twist
			5 HVS	HVS missing or needs replacing (2)
			5 BGW	Bird guard has fallen off of knee brace
2-6	2 new anchors installed 8/2015	N/A	4 LN	Loose (1) 1/2" bolt backed out 1/8" upper outside knee brace A pole
			5 D	Daylight between A pole and top outside V brace (1/8")
			5 D	Daylight between pole and guy wire brackets - up to 1/4"
			5 HVS	HVS missing or needs replacing (4)
			5 BW	Both Bird wires loose on V-brace
			6 GG	Missing Guy Guards
			1 CK	Cotter key pushed out on socket eye for C phase
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
2-7	8 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D	Daylight between pole eye plate and pole on guy attachment on A, B and C poles (up to 1/2")
			5 CGP	Cow guard pole is broken off (C pole) and needs to be replaced
			5 GG	Guy Guards missing (6) Replace remaining due to uv damage
			5 S	Ground wire on B & C poles loose in several areas
			5 HVS	HVS missing or needs replacing (2)
			4 WP	Wood pecker damage on pole C 15' above groundline
			3 LG	Loose guy wire at static that ties all three structures together. Bisecting guy wire supporting the static also needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
			1 CK	Cotter key half way out on fiberglass guy insulator for pole B
			0 RL	Range land;
			2-8	N/A
4 BGW	Missing ground wire on B pole in X-brace area - due to many staples missing			
5 D	Daylight between upper V brace on A and B poles			
5 CR	A & B pole crack at hardware			
5 CR	B pole upper X-brace HDW in cracks			
5 CR	B pole cracking full length 1/4" to 3/4" wide			
5 D	Daylight between A pole and bottom X brace (1/8")			
4 EHS	Both shield wires BOL 1"			
4 BW	Birdwire hanging over B phase on V brace			
4 BW	Birdwire hanging over C phase on knee brace			
4 S	Staples missing on A pole ground wire			
0 RL	Range land;			
3-1	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (2) 1/2" bolt upper V brace both A and B poles (backed out heads)
			5 HVS	HVS missing or needs replacing (4)
			0 IP	Inproper pin used on static shoe on pole B. It is long giving the appearance it is falling out.
			4 BW	Bird wire end loose on both knee braces
			0 RL	Range land;
3-2	N/A	N/A	5 CR	B pole vertical cracking full length 4-6 ft.
			5 COND	A phase Cond AOL 3"
			5 EHS	Static A pole BOL 1/2"
			5 SWTD	Spring Washer turned down on bottom X brace A pole
			5 HVS	HVS missing or needs replacing (2)
			4 BW	Birdwire hanging over B phase on V brace
			5 SWTD	Spring washer turned down on the bottom X brace B pole
			4 LN	Loose nut lower X brace on pole A
0 RL	Range land;			
3-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment (up to 1/2")
			5 D	Daylight between top V brace and B Pole
			5 D	Daylight between B pole and V brace - up to 1/4"
			5 D	Daylight between B pole and upper V Brace - up to 1/4"
			5 CR	A and B poles have splits
			5 HVS	HVS missing or needs replacing (4)
			5 D	Daylight between knee brace and pole A
			4 LB	Loose bolt bottom knee C phase
			5 BGW	Bird guard missing over A phase
0 RL	Range land;			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
3-4	N/A	N/A	5 D	Daylight between bottom X brace and A pole - up to 1/8"			
			5 CR	A and B poles have splits			
			4 BW	Bird wire loose above A phase			
			5 CR	B pole shield wire brace bolt in crack			
			4 BW	Bird wire missing over C phase			
			5 HVS	HVS missing or needs replacing (4)			
			0 RL	Range land.			
3-5	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole X brace hardware bolt in crack			
			5 CR	A & B pole minor cracks			
			5 D	Daylight between A pole and bottom X brace			
			5 D	Daylight between B pole and upper X brace			
			5 HVS	HVS missing or needs replacing (3)			
			5 D	Daylight between the knee brace and pole A			
			BW	No bird wire on structure			
			0 RL	Range land.			
			3-6	2 new anchors installed 8/2015	N/A	5 CR	At top of A pole where static rail attaches, there is a big crack on both sides of pole - no concern at this time. (repair would be 12" or 14" anti split bolt with 4"x4" curved washers, spring washers, # 6 copper for bonding, below rail).
						4 BW	Bird wire coming loose above C phase
4 LN	Loose (1) 1/2" nut on V brace to B pole						
5 CR	A pole lower X-brace hardware bolt in crack						
5 S	B pole ground wire staples gone 2/3 ways up pull, 10' loose						
5 D	Daylight between B pole and lower X brace attachment						
4 BW	Bird wire hanging off Knee brace over C phase						
5 GG	Guy guards missing						
5 HVS	HVS missing or needs replacing (4)						
0 RL	Range land.						
3-7	N/A	COND AND EHS BOTH - AH and BK				5 D	Daylight between A pole and lower X brace attachment
			4 BW	Bird wire B phase loose			
			0 RL	Range land.			
4-1	N/A	N/A	5 CR	B pole X brace has vertical crack at hardware attachment			
			5 CR	A & B poles minor cracking			
			5 CR	X-brace hardware in several cracks			
			5 D	Daylight between knee brace and B pole - up to 1/4" daylight			
			5 HVS	HVS missing or needs replacing (1)			
			0 RL	Range land.			
4-2	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole vertical crack from ground to X-brace			
			5 CR	B pole crack ground up to 10'			
			5 CR	A & B brace bolts are thru cracks			
			5 HVS	HVS missing or needs replacing (2)			
			0 RL	Range land.			
4-3	N/A	N/A	5 CR	B pole - EHS attachment bolt in crack			
			4 BW	Missing bird wire ends above A and C phases			
			5 HVS	HVS missing or needs replacing (2)			
			4 S	Pole B missing staples in pole ground about halfway up			
			1 BN	Bird Nest over B phase			
			4 BW	Bird wire hanging over B phase			
			2 BN	Birds nest over center phase very small			
			0 RL	Range land.			
4-4	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole, large crack, ground to 10' - up to 3/4" wide			
			5 D	Daylight between A pole and lower X brace attachment			
			5 HVS	HVS missing or needs replacing (1)			
			0 RL	Range land.			
4-5	N/A	N/A	5 CR	A- Pole vertical crack 20' up, 7" deep, 1/2" wide			
			4 BW	Bird wire coming loose above B phase			
			4 GW	Ground wire pole B missing staples			
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"			
			5 HVS	HVS missing or needs replacing (1)			
			0 RL	Range land.			
4-6	N/A	COND AND EHS BOTH - AH and BK	5 CR	B pole vertical cracking to 20' - first 8' up to 3/4" wide and up to 9" deep			
			4 BW	Bird wire coming loose above C phase			
			5 CR	Crack in B pole - ground to 9' - 1" wide up to 9" deep			
			5 HVS	HVS missing or needs replacing (2)			
			5 SWTD	Spring washer top of X brace at pole A turned down			
			4 BW	Bird wire loose on knee brace over A phase			
			0 RL	Range land.			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
5-1	N/A	N/A	5 M	Bike rack chained to base of B pole
			4 MN	Loose (1) 5/8" nut above C phase inside crossarm
			4 MN	Missing (1) 3/4 nut on crossarm above A phase - crossarm to phase bracket
			4 BW	Structure missing all bird wire
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land.
5-2	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole spiral cracking - with conductor crossarm bolt in crack
			4 BW	Structure missing all bird wire
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land.
5-3	2 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5 CR	Top of B pole split at EHS attachment
			5 CR	Minor cracking entire length - B pole
			5 HVS	HVS missing or needs replacing (1)
			4 BW	Structure missing all bird wire
			5 GG	Replace guy guards due to uv damage
			0 RL	Range land.
5-4	N/A	COND AND EHS BOTH - Only BK	5 CR	A pole - vertical crack at crossarm bolt
			5 D	Daylight between A pole and V brace
			4 BW	Bird wire end hanging above B phase
			4 LN	Loose 1/2 inch nut bottom of knee brace over C Phase
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land.
5-5	N/A	COND AND EHS BOTH - AH and BK	4 BW	Bird wire end loose on knee brace above C phase
			4 MN	Missing (1) 5/8" nut above A phase inside crossarm
			5 SWTD	B pole - top of lower X brace - spring washer turned down
			5 CR	B pole - lower X-brace - upper bolt in large crack
			5 CR	Vertical crack at X brace attachment
			4 MN	Missing 1/2 inch locknut on X-brace clamp.
			1 BN	Bird nest at B pole
			4 EHS	East static shoe pulled BOL
			4 LN	Loose nut upper X brace pole B
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
5-6	7 new anchors installed 8/2015	N/A	5 CR B pole vertical cracking	
			5 CR Guy brace on C pole - bolt thru crack	
			5 HVS HVS missing or needs replacing (3)	
			5 GG Replace guy guards due to uv damage	
			4 S Loose ground wires about 10' to 20' on A & B poles	
			0 RL Range land;	
5-7	4 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5 M SS hump back cotter key on socket clevis - B phase needs to be tapped in place next time crews are working on structure (this has been out since insulators were installed); and SS hump back key only half way in on yoke plate, same assembly	
			5 D Daylight between A pole and guy attachment hardware - up to 1/2"	
			5 D Daylight between B pole and guy attachment hardware - up to 1/4"	
			5 CR A pole spiral cracking	
			5 CR B pole vertical cracking	
			5 GG Replace guy guards due to UV damage	
			5 HVS HVS missing or needs replacing (2)	
			0 RL Range land;	
6-1	N/A	N/A	5 D Daylight between guy support and A Pole	
			COND A & C phase insulators BOL 3-5"	
			COND A phase highest sag - B phase mid sag - C phase lowest sag	
			5 HVS HVS missing or needs replacing (1)	
			3 EC Pole A six feet from a steep embankmen, needs erosion control. This year is at 4 1/2'	
			0 RL Range land;	
6-2	N/A	COND AND EHS BOTH - AH and BK	COND A & C phase BOL 2-3"	
			5 D Daylight between A pole and upper X brace	
			5 HVS HVS missing or needs replacing (2)	
			3 EC Pole A ten feet from a steep embankmen, needs erosion control.	
			5 D Air gap at knee braces on poles A & B	
			5 D Daylight at lower X brace and pole B	
			1 BN Bird nest at pole B	
			0 RL Range land;	
6-3	N/A	N/A	5 CR A & B poles, minor spiral cracking	
			5 CR B pole shield wire hardware bolt in crack	
			5 D Daylight between B pole and bottom X brace	
			5 CR Crossarm bolting in spiral crack	
			4 LB Loose bolt bottom knee A phase	
			5 HVS HVS missing or needs replacing (2)	
			0 RL Range land;	
6-4	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D Daylight between pole and guy attachments	
			5 HVS HVS missing or needs replacing (1)	
			2 CK Cotter key halfway out where turnbuckle meets insulator on C phase	
			0 RL Range land;	
6-5			5 D Daylight between A pole and knee brace - up to 1/4"	
			5 CR A & B poles minor cracking	
			5 HVS HVS missing or needs replacing (1)	
			4 GW Ground wire loose on pole B	
			4 LB Loose bolt top knee A phase	
			5 XB X-brace starting to de-laminate.	
			0 RL Range land;	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
6-6	SEE NOTE	COND AND EHS BOTH - AH and BK	5	M	Guy pole bands on A and B poles slipped down pole initially - no movement over the past several years. No lags in pole bands to hold position with pole shrinkage. Pole bands are missing brackets and a through bolt to keep from sliding down poles.
			3	PB	Pole b missing staples in pole ground about halfway up
			1	OJI	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage
			5	GG	Missing (1) yellow guy guard - also guy guard post to attach guy wire to is broken off - should be replaced at some point in time
			5	S	A, B, & C ground wires pulled away from poles (up to 10')
			5	CR	A & C poles, minor vertical/spiral cracking
			5	D	Daylight between C pole and guying attachment - up to 1/2"
			5	HVS	HVS missing or needs replacing (1)
			5	GG	Replace guy guards due to uv damage
			1	OI	North A phase insulator has a torn shed
			0	RL	Range land;
7-1	N/A	N/A	COND		BOL sag off - B & C phase insulators AOL (A phase sag lowest - B phase middle sag - C phase sag highest)
			5	HVS	HVS missing or needs replacing (3)
			5	D	Daylight between B pole and lower X brace
			5	CR	Lower X-brace bolt through large crack
			4	XB	X-brace starting to de-laminate
			5	CR	Static shoe at pole A AOL 1 1/2"
			4	BW	Loose bird wire on knee brace above C phase
			0	RL	Range land;
7-2	N/A	COND AND EHS BOTH - AH and BK	5	D	Daylight between A pole and bottom X brace
			5	CR	Vertical cracking A & B pole
			5	HVS	HVS missing or needs replacing (2)
			0	RL	Range land;
7-3	N/A	N/A	COND		B & C phase insulators AOL - 2"
			5	D	Daylight between B pole and V brace
			5	SWTD	A pole - top of X brace - spring washer turned down
			5	S	Staples on B pole coming out - 2/3 pole length
			5	HVS	HVS missing or needs replacing (1)
0	RL	Range land;			
7-4	N/A	COND AND EHS BOTH - AH and BK	5	CR	B pole top is splitting, spiral cracking on A pole
			5	SWTD	B pole - bottom of X brace - spring washer turned down
			5	HVS	HVS missing or needs replacing (2)
			5	XB	X-brace starting to de-laminate.
			4	LB	Loose bolt top V pole A
			5	PN	Pole A missing numbers
0	RL	Range land;			
7-5	N/A	N/A	4	LN	Loose (1) 1/2" nut on bottom outside knee brace above C phase
			4	LN	Loose (1) 1/2" nut on bottom center phase V brace
			4	MN	Missing (1) 1/2" nut on bottom center phase V brace
			5	D	Daylight between A pole and V brace
			5	D	Daylight between A pole and upper X brace
			5	CR	A & B poles minor cracking
			0	RL	Range land;
7-6	N/A	COND AND EHS BOTH - AH and BK	5	D	Daylight between top X bracing and B pole - up to 3/8"
			4	LN	Loose (1) 1/2" nut on center bottom V brace
			5	HVS	HVS missing or needs replacing (2)
			5	LB	Loose bolt on the bottom X brace at pole B
			4	LN	Loose nut lower knee brace A phase
			4	LB	Loose bolt lower knee brace A phase
			0	RL	Range land;
4	LN	Loose (1) 1/2" nut on bottom knee brace - above A phase			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
7-7	N/A	N/A	5 CR	Spiral cracking B pole at bottom of X-brace
			4 XB	X-brace starting to de-laminate
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land;
7-8	N/A	COND AND EHS BOTH - AH and BK	5 CR	B pole shield wire bolt in crack
			5 CR	Spiral cracking middle of B pole
			4 LN	Loose nut bottom X brace on pole B
			4 LB	2 Loose bolts upper knee brace A phase
			0 RL	Range land;
8-1	N/A	OK	4 MN	Missing (1) 1/2" nut on bottom center V brace, and loose (1) 1/2" nut on bottom center V-brace
			5 CR	B pole crack at X brace attachment bolt
			5 CR	A & B pole spiral cracking
			4 LB	Loose bolt lower knee braces over A phase
			0 RL	Range land;
8-2	7 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 S	Loose staples on A, B and C poles
			5 D	Daylight between guy / conductor attachment on A & B pole - up to 1/2" at top for guy; and up to 1" for conductor
			5 D	Daylight between guy / conductor attachment on B pole - up to 3/8"
			5 CR	B & C phase insulator hardware bolts are in or next to vertical cracks
			5 CR	A and B pole shield wire hardware bolts in cracks
			5 HVS	HVS missing or needs replacing (4)
			5 GG	Replace guy guards due to uv damage
			0 RL	Range land;
8-3	10 new anchors installed 8/2015	N/A	5 D	Daylight between grid gains on conductor attachment side, all poles - A & B phase up to 1/2"; C phase up to 1"
			1 OJI	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage
			5 HVS	HVS missing or needs replacing (1)
			1 CK	Cotter key on both shoes for A&B phases half way out
			1 CK	Cotter key halfway out on lower guy pole C
			5 GG	Replace guy guards due to uv damage
			1 OJI	Replace jumper insulators due to UV damage
0 RL	Range land;			
8-4	N/A	COND AND EHS BOTH - AH and BK	5 S	Missing staples on lower portion of A pole
			4 EHS	Shield wire attachments on both sides of structure pulled BOL up to 2"
			5 D	Daylight between A pole and bottom X brace - up to 1/8" gap
			5 HVS	HVS missing or needs replacing (2)
			0 RL	Range land;
8-5	N/A	N/A	5 HVS	HVS missing or needs replacing (2)
			5 GG	Replace guy guards due to uv damage
			1 CK	Cotter key 1/2 out B phase
			4 S	Staples missing out of ground wires on both poles A & B
			0 RL	Range land;
8-6	2 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 CR	A pole shield wire bolt in crack
			5 CR	Upper V-brace bolt at B pole in crack
			5 CR	B pole crack FROM ground to 10' up (6" deep X 1" wide)
			5 EHS	Static shoe at pole A BOL 1"
			0 RL	Range land;
8-7	N/A	N/A	5 CR	A pole has crack 6" deep and 1" wide from ground level to 12' up
			4 MN	Missing (1) 1/2" nut on center bottom V brace
			4 LN	Loose nut upper X brace pole B
			0 RL	Range land;
			1 Oi	Old style braced post insulator assemblies still in place - recommend change out to new insulators during next scheduled outage
8-8	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D	Daylight between C pole insulator plate, upper bolt head out 1/4" from plate
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work
			5 HVS	HVS missing or needs replacing (4)
			5 GG	Guy guards need replacing due to uv damage
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
9-1	N/A	N/A	5 CR	A pole vertical split from ground to 30' - at 10', 1-1/2" wide crack up to 9" deep
			5 D	Daylight between A and B poles lower X brace attachment - up to 1/8"
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land;
9-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"
			5 CR	B pole cracked at upper hardware
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - If needing to access structure come in from cross road (BOL) then on ROW
			5 EHS	Static shoe on B pole BOL 1 1/2"
			5 D	Daylight showing on the knees & Vs at poles A & B
			4 LB	Loose bolt knee brace on pole A
			0 RL	Range land;
9-3	N/A	N/A	5 BW	Missing bird wire above C phase.
			5 M	Distribution line approx. 20 ft BOL from structure
			1 RA	Existing access restricted - above ground piping blocking access (up to 16 pipes at this time) - if needing to access structure come in from cross road then on ROW
			1 BN	Start of a bird nest over center phase
			4 LB	Loose bolt upper X brace on pole B
			0 RL	Range land;
9-3.5	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 1/2" nut on bottom center V bracing - above crossarm
			5 D	Daylight between B pole and bottom X brace attachment - up to 1/8"
			EHS	B pole shield wire AOL 2"
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (4)
			4 S	Staples missing on pole ground for pole B
			4 BW	No bird wire on structure
			0 RL	Range land;
9-4	N/A	N/A	5 D	Daylight between A pole and V brace
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (2)
			1 BN	Bird nest over B phase
			3 EHS	Both static shoes kicked BOL 1 1/2"
			4 BW	No bird wire on structure
			0 RL	Range land;
9-5	N/A	COND AND EHS BOTH - AH and BK	EHS	Shield wire on B pole pulled BOL approx. 1"
			4 MN	Missing (1) 1/2" nut and loose (1) 1/2" nut on bottom center V brace
			5 CR	B pole split 10' x 1/2' x 6" depth
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (1)
			4 S	Missing staples for ground wire Pole B
			4 LB	Loose 1/2 bolt in the upper X-brace pole B
			4 BW	No bird wire on structure
			0 RL	Range land;
9-6	N/A	N/A	1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			M	Distribution line approx. 12 ft BOL from structure
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			0 RL	Range land;
9-7	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom center V brace
			4 MN	Missing (1) 1/2" nut on bottom outside Knee brace on A phase, and (1) 1/2" bolt head backed out a bit
			M	New road past structure to well site - AOL
			5 HVS	HVS missing or needs replacing (4)
				Spiral on static touching shoe
			4 BW	No bird wire on structure
0 RL	Range land;			
10-1	9 new anchors installed 8/2015	COND AH - no EHS	M	New C pole installed fall of 2014
			5 D	Daylight between pole and gain plates and hardware (3 places) for conductor attachment to eyebolts on AOL side
			5 CR	B & C starting to develop a split
			2 GG	Missing (8) guy guards
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
0 RL	Range land;			
			4 LN	Missing (1) 1/2" nut on bottom center V brace
			4 LN	Loose (2) 1/2" nuts on bottom outside V brace above C phase
			5 CR	A pole 3/4" - 1" crack ground to 15'

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
10-2	N/A	N/A	5 D Daylight between B pole and bottom X brace	
			5 D Daylight between B pole and upper V brace	
			5 HVS HVS missing or needs replacing (2)	
			4 BW No bird wire on structure	
			0 RL Range land;	
10-3	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut on bottom center V brace	
			4 LN Loose (1) 1/2" nut on bottom X brace to B pole	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			0 RL Range land;	
10-4	N/A	N/A	4 LN Loose (1) 1/2" nut on bottom outside knee brace on C phase	
			5 M Minor shotgun damage on both poles	
			5 SWTD A pole - bottom X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
10-5	N/A	COND AND EHS BOTH - AH and BK	5 EHS East shield wires pulled AOL approx. 1"	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			4 LB Loose bolt upper X brace at pole B	
			0 RL Range land;	
10-6	N/A	N/A	4 MN Missing (2) 1/2" nuts and (1) loose 1/2" nut on bottom center V bracing	
			5 D Daylight between upper V brace and A pole	
			5 SWTD B pole - top X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
10-7	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut on upper X brace A pole and bolt has backed out 1/8"	
			5 D Daylight between bottom X bracing and V bracing and pole, on A pole side - less than 1/4"	
			5 D Daylight between B pole and upper V braced V bracing and pole, on A pole side - less than 1/4"	
			5 EHS B pole shield wire pulled ACL approx. 1"; and A pole shield wire pulled BOL approx. 1"	
			5 CR Crack on B pole @ upper X brace	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			0 RL Range land;	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
10-8	N/A	N/A	5 D Daylight between upper V brace and A and B poles - up to 1/4"	
			5 D Daylight between A pole and bottom X brace attachment - up to 1/8"	
			3 EHS A pole shield wire pulled BOL up to 2"	
			4 MN Missing (2) 1/2" nuts - 1 on bottom knee brace - A and C phase	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			0 RL Range land;	
11-1	N/A	COND AND EHS BOTH - AH and BK	4 MN Missing (1) 1/2" nut on bottom center V brace	
			5 D Daylight between A pole and upper V brace	
			5 CR Crack on A pole - 5' up 4' long - 1" wide x 4" deep	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			0 RL Range land;	
11-2	N/A	N/A	5 CR Big crack through pole at crossarm attachment on B pole (repair would be install 14" or 16" anti split bolts with 4"x4" curved washers, spring washers, # 6 copper for bonding)	
			5 D Daylight between upper V brace and A pole	
			5 SWTD B pole - top X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			3 MB (2)Missing bolt upper X brace pole A	
			0 RL Range land;	
11-3	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between bottom of upper X bracing and bottom of lower X bracing on both A and B poles - less than 1/4"	
			5 CR A pole has crack 7/8" wide x 4" deep near bottom of pole	
			5 HVS HVS missing or needs replacing (2)	
			5 D Daylight showing on knee brace at pole B	
			4 BW No bird wire on structure	
			4 LB Loose bolt V brace pole B	
			4 LB Loose bolt upper knee brace A phase	
0 RL Range land;				
11-4	N/A	N/A	5 S Loose ground wire B pole - 15' up	
			5 CR Crack on B pole - 3/4" wide from 5' to 20' up pole	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			0 RL Range land;	
11-5	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between upper outside knee bracing and B pole - up to 1/4"	
			5 D Daylight between lower X brace and B pole	
			5 D Daylight between B pole and bottom of upper X brace attachment - up to 1/8"	
			5 SWTD B pole - top X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			5 XB Both stlets of X braces de-laminating	
			4 LB Loose bolt V brace over B phase	
			4 LB Loose bolt knee brace over C phase	
			0 RL Range land;	
11-6	N/A	COND AND EHS BOTH - AH ONLY	4 MN Missing (1) 1/2" nut on bottom center V brace	
			4 MN Missing (1) 1/2" lock nut on X bracing center clamp	
			5 S A pole ground wire loose 10' up pole	
			5 HVS HVS missing or needs replacing (4)	
			4 LB Upper X brace 1/2 bolt loose on pole B	
			4 BW No bird wire on structure	
			4 LB Loose bolt knee brace over A phase	
			0 RL Range land;	
11-7	N/A	N/A	4 LN Loose (1) 1/2" bolt on bottom center V brace pole B - head backed out 1/16"	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			0 RL Range land;	
			5 D Daylight between upper outside V bracing and a Pole - up to 1/4"	
			5 D Daylight between A pole and bottom X brace attachment - up to 1/8"	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
12-1	N/A	COND AND EHS BOTH - AH and BK	5 CR	Crack on B pole along bottom X brace, continue to monitor
			5 HVS	HVS missing or needs replacing (4)
			5 SWTD	Spring washer turned down lower X brace A pole
			4 BW	No bird wire on structure
			4 LB	2 Loose bolts upper V brace at poles A & B
			0 RL	Range land;
12-2	N/A	N/A	1 MN	Missing (1) 1/2" nut, (1) 1/2" lock nut and loose 1/2" lock nut on upper X bracing center clamp
			5 MN	Missing 1/2 lock nut on lower X brace clamp
			5 SWTD	Spring washer turned down on upper X brace pole B
			5 D	Daylight between upper V brace and B pole - up to 1/2"
			5 D	Daylight between bottom X bracing and A and B poles
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
			4 LB	Loose bolt upper knee brace pole A
			0 RL	Range land;
			12-3	N/A
5 CR	Crack on A pole from ground to 18" up			
5 HVS	HVS missing or needs replacing (3)			
4 BW	No bird wire on structure			
0 RL	Range land;			
12-4	N/A	N/A	4 LN	Loose 1/2" bolt on upper X brace on A pole (head backed out 1/8")
			5 D	Daylight between B pole and lower X brace attachment
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			4 LB	Bolt falling out
			4 LB	Loose bolt upper knee brace pole B
			0 RL	Range land;
12-5	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut - bolt backed out 1/2" on upper knee brace B pole
			5 CR	A pole crack 5' to 7' up, 7"+ deep
			4 MN	Missing (1) 1/2" locknut on X brace center clamp
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land;
			12-6	N/A
5 D	Daylight between bottom X brace A and B poles - up to 1/4"			
4 LN	Loose (1) 1/2" nut on bottom X brace B pole			
5 CR	Crack in A pole at bottom X brace - 1/2 to 3/4 wide			
5 HVS	HVS missing or needs replacing (2)			
4 LB	Loose bolt upper V brace at pole B			
0 RL	Range land;			
12-7	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between bottom X brace and A pole
			5 CR	Crack in B pole in area from crossarm to V brace, spiral bolt to bolt
			5 SWTD	B pole - top X brace - spring washer turned down
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose 1/2 bolt upper V brace at pole B
			4 BW	Loose bird wire over C phase
			4 LB	2 Loose bolts upper X brace pole A
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
13-1	N/A	N/A	5 D	Daylight between top V bracing and A pole - less than 1/4"	
			5 D	Daylight between B pole and bottom X brace attachment - up to 1/8"	
			5 HVS	HVS missing or needs replacing (4)	
			1 BN	Bird nest starting over B phase	
			4 LB	Loose bolt upper V brace at pole A	
	0 RL	Range land.			
	13-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A and B poles X brace bottom
				5 D	Daylight between A pole and V brace - up to 1/4"
				5 CR	Crack on B pole from bottom to 30' up -1" wide x 4" deep
				5 HVS	HVS missing or needs replacing (3)
4 LB				Loose bolt knee brace above A phase	
0 RL				Range land.	
13-3	N/A	N/A	5 D	Daylight between bottom of X bracing and A and B poles - up to 1/8"	
			M	Ecological Preserve signs along road	
			5 HVS	HVS missing or needs replacing (3)	
			5 D	Daylight between the knee & V braces.	
			1 CK	Cotter key pushed out on socket-eye for center phase shoe, loose nuts on shoe	
			4 LB	Loose bolt V brace above B phase	
			0 RL	Range land.	
13-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)	
			5 D	Daylight between the knee & V braces.	
			0 RL	Range land.	
13-5	N/A	N/A	5 CR	Crack in pole (6" deep x 1" wide in different planes) from near ground line to approx. 12' up + crack from 20' to 40' up - up to 1"	
			5 HVS	HVS missing or needs replacing (3)	
			0 RL	Range land.	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
13-6	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper V brace at pole B
			0	RL Range land;
13-7	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	HVS HVS missing or needs replacing (2)
			4	LN Loose (1) 1/2" nut -bottom X brace, A pole
			0	RL Range land;
14-1	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR B-pole @ bottom x-brace, 8" crack, 1/2" wide
			5	S Loose ground wire on B pole from 8'
			5	CR A-pole ground to 12', crack, 7" deep
			4	LN Loose (1) 1/2" bolt - knee brace above A phase - head backed out up to 1/8"
			5	HVS HVS missing or needs replacing (1)
14-2	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR A pole spiral crack at X brace attachment
			5	CR B-pole spiral crack from ground to 10' up - up to 1" width
			5	D Daylight between upper V brace and A pole
			5	SWTD A pole - bottom X brace - spring washer turned down
			5	HVS HVS missing or needs replacing (2)
			4	LB Loose bolt upper V A pole
			4	LB Loose bolt upper knee pole B
			5	XB X brace de-laminating
			0	RL Range land;
14-3	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR A-pole vertical crack, 6" to top, up to 3/4" wide
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper knee brace on pole A
			4	LB Loose bolt upper knee brace pole B
14-4	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	D Daylight between bottom of X bracing and B pole - less than 1/4"
			5	D Daylight between A pole and V bracing - up to 1/8"
			5	CR Cracks on A and B poles near cross arm
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose bolt upper knee pole A
			4	LB Loose 1/2 bolt upper knee brace on pole B
14-5	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			1	MN Missing (1) 1/2" lock nut on bottom X bracing center clamp; and missing (1) 1/2" nut on same clamp. This should be corrected during next scheduled maintenance outage
			5	D Daylight between A pole and upper X brace
			5	SWTD Spring washer turned down on upper X brace pole B
			5	HVS HVS missing or needs replacing (2)
			1	GW Ground wire on poles A & B removed ground level up 10'
14-6	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack on B pole from ground to 35' up - up to 1" wide and 6" deep
			5	HVS HVS missing or needs replacing (3)
			5	XB Upper X brace Delamination
			4	LB Loose 1/2 bolt center of V brace
0	RL Range land;			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
14-7	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack on B pole from ground to 20' up - up to 4-8" deep
			4	LB Loose bolt top V pole A
			5	HVS HVS missing or needs replacing (2)
			0	RL Range land;
15-1	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack in B pole at top of X bracing - up to 1 1/2" crack at bolt
			5	CR A pole twisted AOL - up to 2"; B pole twisted BOL - up to 2'
			5	D Daylight between bottom X bracing and B pole
			5	HVS HVS missing or needs replacing (4)
15-2	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR B pole has several cracks all the way down, with the largest ranging up to 7" deep and 1" wide
			5	D Daylight between bottom X bracing and A and B poles - less than 1/4"
			5	CR A pole crack from 7' to 15' x 3/4" wide
			5	CR Static bar metal brace - B pole Split at bolt. B pole x-brace large split at hardware. Spiral cracking
15-3	N/A	N/A	5	HVS HVS missing or needs replacing (2)
			4	MN Missing (1) 1/2" locknut and 1/2 nut loose on upper X bracing center clamp
			4	MN Missing 1/2" nut on V-brace at center of the cross arm
			0	RL Range land;
			5	CR B pole bottom X bracing bolted into crack
15-4	N/A	COND AND EHS BOTH - AH and BK	5	HVS HVS missing or needs replacing (3)
			4	LB Loose bolt top V pole A
			5	CR B pole bottom X bracing bolted into crack
			0	RL Range land;
			5	CR A pole crack from near bottom to 30' up - up to 3/4" wide
15-5	SEE NOTE	N/A	3	MN Lock nuts missing on guy plates for poles A, B and C
			4	CK Cotter key pole C static yoke plate 1/2 way out
			5	HVS HVS missing or needs replacing (1)
			0	RL Range land;
			5	CR A pole has a vertical crack from ground up 20', up to 1" wide by 8" deep
15-6	N/A	COND AND EHS BOTH - AH and BK	5	HVS HVS missing or needs replacing (3)
			4	LB Loose bolt upper knee brace at pole A
			4	XB X brace clamp fell off
			PT	Pistachio trees - saplings 5-6.5' tall
			4	LN Missing 2- 1/2" locknuts and 2- 1/2" nuts on Xbrace clamp
16-1	N/A	N/A	5	HVS HVS missing or needs replacing (4)
			4	BGW Broken ground wire on B pole 2' up
			PT	Pistachio trees - saplings 10' tall
			5	HVS HVS missing or needs replacing (4)
			5	SWTO Spring washer turned down lower x brace B pole
16-2	N/A	COND AND EHS BOTH - AH and BK	5	D Daylight between knee brace and pole A
			4	LB Loose bolt upper V brace at pole B
			PT	Pistachio trees - saplings 10' tall
			5	HVS HVS missing or needs replacing (4)
			PT	Pistachio trees - saplings 5-6.5' tall
16-3	N/A	N/A	5	HVS HVS missing or needs replacing (4)
			PT	Pistachio trees - saplings 5-6.5' tall

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
16-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			5 LN	Loose 1/2" bolt on V brace at the arm
			4 GW	Wrong ground wire splice on A pole at the ground
			5 FED	Equipment damage to pole A 1/2" deep
			5 D	Daylight on knees & Vs at poles A & B
			4 BW	Bird wire loose over Cphase
			C	Cotton field
16-5	N/A	N/A	5 M	Missing pole ID on pole B
			4 BGW	Broken ground wire on B pole
			5 D	Daylight between A pole and bottom X brace
			5 D	Daylight on knees & Vs at poles A & B
			4 LB	Loose bolt bottom knee A phase
			5 HVS	HVS missing or needs replacing (3)
			C	Cotton field
16-6	N/A	COND AND EHS BOTH - AH and BK	FED	Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 HVS	HVS missing or needs replacing (2)
			4 GW	Loose ground wire on pole A
			C	Cotton field
16-7	N/A	N/A	5 D	Daylight between B pole and bottom X brace
			FED	Farm Equipment Damage - minor - A and B poles - less than 1" deep from 1' up to about 4-1/2' up
			5 HVS	HVS missing or needs replacing (3)
			3 PG	Broken ground wire frm farm equipment damage 4 1/2' feet up on A&B poles
			C	Cotton field
17-1	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (2)
			4 LB	Loose bolt top knee A pole
			3 GW	Broken ground wire 2' up on pole A
			C	Cotton field
17-2	N/A	N/A	5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt top knee A pole
			3 GW	Broken ground wire 2' up on pole A
			C	Cotton field
17-3	N/A	COND AND EHS BOTH - AH and BK	5 FED	Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose bolt upper V brace pole B
			C	Pistachio Trees - saplings 10' tall
17-4	2 new anchors installed 8/2015	N/A	5 FED	Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles
			5 HVS	HVS missing or needs replacing (3)
			4 BGW	Broken pole ground at ground level on pole A.
			4 LB	Loose bolt on the bottom X brace at pole A
			5 LB	Bolt backed out 3/8" on upper knee brace pole B
			4 G	Improper sleeve used to splice ground wire on B pole
			4 LB	Loose bolt upper knee A pole
			4 LB	Loose bolt upper knee brace pole B
			PT	Pistachio grove trees approaching 16-17 ft height - checked midspan clearance - midspan height of conductor is ~35'-8" (Been Cut)
			C	Cotton field
17-5	N/A	COND AND EHS BOTH - AH and BK	5 FED	Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 FED	Farm equipment damage to pole B that is 3" deep
			5 CR	B pole has a crack from bottom to top of bottom X brace
			4 BGW	Broken ground wire on A pole
			5 HVS	HVS missing or needs replacing (2)
			C	Cotton field
17-6	N/A	N/A	EHS	A pole shield wire pulled AOL - up to 1"
			5 HVS	HVS missing or needs replacing (4)
			4 LB	2 Loose 1/2" bolt lower X braces on pole A & B
			4 LB	Loose bolt top V pole B
			4 LB	Loose bolt upper knee brace pole B
C	Cotton field			
17-7	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom outside V brace above C phase
			5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on B pole
			C	Cotton field
18-1	N/A	OK	5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on A pole
			C	Cotton field
			5 FED	Farm Equipment damage - minor - A and B poles - nicked by farm equipment - up to 1" deep section near bottom of pole

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
18-2	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between A pole and upper V brace	
			5 SWTD Spring washer turned down on lower X brace at pole B	
			4 BGW Broken ground wire on B pole	
			5 HVS HVS missing or needs replacing (4)	
			C Cotton field	
18-3	N/A	N/A	C Bird nest	
			C Cotton field Steel Deadend	
18-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS HVS missing or needs replacing (3)	
			4 GW Improper sleeve used to splice ground wire on B pole	
			4 LB Loose bolt upper X brace pole B	
			4 XB X brace is de-laminating	
			C Cotton field	
18-5	N/A	N/A	4 BGW Broken ground wire on B pole	
			5 HVS HVS missing or needs replacing (3)	
			1 BN Start of a bird nest over C phase	
			C Cotton field	
18-6	N/A	COND AND EHS BOTH - AH and BK	5 HVS HVS missing or needs replacing (3)	
			4 LB Loose bolt upper V brace pole B	
			4 LB Loose bolt lower X brace at pole B	
			4 LB Loose bolt top knee A pole	
			4 BW Bird wire loose over C phase	
			C Cotton field	
18-7	N/A	N/A	C Cotton field	
19-1	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between A pole and upper V brace	
			5 FED Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1" deep section near bottom of pole	
			5 HVS HVS missing or needs replacing (3)	
			4 LN Loose nut upper knee brace pole B	
			PT Pistachio grove trees approaching 16-17 ft height - checked midspan clearance - midspan height of conductor is ~37'-6"	
19-2	N/A	N/A	4 MN Missing (1) 1/2" nut - broken off bolt head on upper X brace on A pole side	
			5 FED Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1/2" deep section near bottom of pole	
			4 LB Loose 1/2 bolt upper V brace on pole B	
			4 LB Loose 1/2 bolt upper knee brace Pole A	
			5 HVS HVS missing or needs replacing (4)	
			4 LB Loose bolt upper X brace pole A	
PT Pistachio grove trees approaching 16-17 ft height (see comment for str 19-2)				
19-3	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between B pole and bottom X brace	
			5 EHS East shield wire pulled BOL up to 3"	
			5 EHS West shield wire pulled AOL up to 1"	
			4 LB Loose 1/2 bolt upper V brace on pole B	
			5 HVS HVS missing or needs replacing (4)	
			4 LB Loose bolt upper knee brace pole B	
PT Pistachio grove trees approaching 16-17 ft height (see comment for str 19-2)				
19-4	N/A	N/A	4 LN 2 Loose 1/2" nuts on center V bracing	
			5 HVS HVS missing or needs replacing (3)	
			C Tomato field	
19-5	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole splitting starting at 6' approx. 1" wide x 8" deep	
			5 HVS HVS missing or needs replacing (3)	
			5 XB X-braces installed backwards.	
			C Watermelon field	
19-6	N/A	N/A	5 HVS HVS missing or needs replacing (3)	
			5 EHS Static wire on pole A BOL 1.5'	
			4 LB Loose bolt top knee pole A	
			4 LB Loose bolt upper knee brace pole B	
			C Watermelon field	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
19-7	N/A	COND AND EHS BOTH - AH and BK	M	Anchor bolt nuts tight and ground wire in place
			5	HVS HVS missing on steel structures
			2	COND Jumper terminals appear loose on Northwest jumper-Suggest having Heli crew get a better look at it on their yearly maintenance
MSCC 0-3	N/A	N/A	2	COND When MSCC 0-2 was replaced it raised the conductor on the North side of the str making the jumpers too short causing the construction crew to remove the jumpers on A phase, they left the insulators on B & C phases that are now slack and swinging in towards the str, Jumpers need to be lengthened and insulators on A phase installed
			5	MB Missing a bolt on each of the 16 horizontal lacings at the bottom of the structure where they tie into the legs. One bolt in each one at the legs, this might be as designed.
			4	WI Wash insulators per established washing schedule. Currently all insulators are fairly clean.
			STR	MSCC 0-2 Lattice str replaced with a taller 3 pole steel D.E. sstr
MSCC 0-2	N/A	N/A	4	CK Cotter key 1/2 way out substation side C phase shoe
			RL	Range land - fenced yard at Midway substation
MSCC 0-1	N/A	N/A	L	Lattice structure - all members tightly fastened
			3	CD After replacing structure MSCC 0-2 the old conductor was resagged at MSCC 0-1 due to height differential, the conductor that was under the bolted deadend shoe and shifted outside the shoe at MSCC 0-1 is severely deformed
			RL	Range land - fenced yard at Midway substation

The

MSCC Switchyard	N/A	N/A	4	CK	Cotter key on southeast dead end halfway out	North side of Station - A Frame
			1	BN	2 Bird nests on A-frame	
MSCC Poles #0/1	N/A	N/A	5	HVS	HVS missing or needs replacing (6)	South of switchyard area - next to road
			5	D	Daylight between B pole and gain plates on station side (1/4" to 1/2")	
			4	CK	Cotter pin for dead end shoe halfway out on C phase southside of structure.	
Western Substation	N/A	N/A	5	M	Missing pole number for 'C' pole	In Western substation - north side A frame
			4	PI	Porcelain insulators very dusty - recommend cleaning at some point in the future	
			2	OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage	
			5	M	Discoloration (rust color) on top of East frame from previously installed device (now removed) that bleed rust - OK	
Western Substation	N/A	N/A	3	OI	Polymer D.E. insulators leaking	In Western substation - south side A frame
			4	PI	Porcelain insulators very dusty - recommend cleaning at some point in the future	
MSCC Pole #0/2	OK	N/A	2	OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage	In Western substation - east side H frame str (north str)
					Conductor removed between MSCC 0/2 & 0/3	
MSCC Pole #0/3	OK	N/A	4	LN	Loose nut on guy eye plate.	In Western substation - east side H frame str (south str)
					Conductor removed between MSCC 0/2 & 0/3	
			5	M	Missing (2) Stainless Steel hump back cotter keys on bent bolts above jumper insulators - A and B phases	
MSCC Pole #0/4	OK	N/A	4	CK	Cotter key halfway out on top suspension insulator	East of Western substation (set of 3 poles)
			5	M	Bottom bolt on post insulators is loose (1/4"-1/2")	
			5	M	Missing pole number	
			5	M	Guys not taped	
			5	CR	A pole splitting from ground to 1/2 way up - up to 1' wide and 8" deep	
			3	LB	Loose bolts on gang operated switch.	
			5	HVS	HVS missing or needs replacing (2)	
			5	GG	Replace UV damaged and missing guy guards	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS		
MSCC Pole #05	N/A	N/A		East and south of Western substation		
			5		M	Missing pole number
			5		CR	Spiral splitting 10" high 1" wide 6" deep
			4		LN	Loose nut - bottom bolt on all 3 post insulators is loose (1/4"-1/2")
MSCC Pole #05	OK	N/A	5	GG	Replace guy guards due to UV damage	
					West of Victory substation	
			5	M	Missing pole number	
			5	A	Anchors not taped	
			4	CK	Cotter key halfway out on dead end shoe top phase East side.	
4	CK	Cotter key halfway out on dead end shoe bottom phase North side.				
5	GG	Missing guy guards on down guys (2)				
Victory Substation "H" Str	N/A	N/A		In Victory substation		



Midway Sunset Work Order

WO# : 163752

Description: Quarterly Gen Lead Line Inspection

Work Type: **PM-O&M**

Primary Assigned To:

Status: **Completed**

Assigned By:

Supervisor: **MIKEW**

Created By:

Reason:

Date Scheduled: **1/1/2025 12:00:00 AM**

Shift: **swingshift**

Project:

Reference: **Y**

Site Comments: Ensure that you copy, paste and fill out the latest version of the JSA into EVERY Work Order.

It can be found at O:Forms/JSA/MSCC JSA ATTACHMENT 1.

Asset/Procedure Combinations

Asset: **Y-LINE**

Generator lead Line

Location:

Serial No:

Model No:

Procedure: **INSP-GEN LEAD LN QTR**

Quarterly Generator Lead Line Inspection

Warranty Coverage: **No**

Perform While Asset Running: **Yes**

Perform While Asset Down: **No**

Crafts	Resource ID	Resource Name	Est. Hours	Hours Worked	Date	Performed By
SS	COREYL	Corey Lahammer	0.00			
Estimated Hours Total:			0.00			

Tasks	Description	Est Down Hours	Safety	Date Completed
JSA	Job Safety Analysis	0.00		3/28/2025 1:44:55 PM

Details: ATTACHMENT 1

MSCC JOB SAFETY ANALYSIS (JSA) (pg 1 of 3)

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program) (mark the appropriate selection with an X).

Approval Clearance Permission

Date:

Enter Work Order Number: _____ OR Project ID Number _____

Job Scope Description:

Section B:

Three way communication is to be used at all times:



Midway Sunset Work Order

Pre-authorization checklist (all questions must be answered for all tasks) Yes-Y No-N Not Applicable-N/A

- _____ Have appropriate SDSs been obtained and reviewed?
- _____ Is the equipment de-energized?
- _____ Is the equipment depressurized?
- _____ Is the equipment drained?
- _____ Have all valves been properly closed, blinded, tagged, (and locked)?
- _____ Is the instrumentation tubing disconnected, depressurized, and capped?
- _____ Has equipment been steamed or flushed?
- _____ Has equipment been purged? If yes, how?
- _____ Is equipment free of toxic, corrosive, or hazardous materials?
- _____ Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.
- _____ Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.
- _____ Is the combustible gas test satisfactory(OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?
- _____ Is a fire watch required and assigned?
- _____ Have potentially affected drains been covered?
- _____ Has appropriate personal protective equipment (PPE) been assigned (See Section D)?
- _____ Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?
- _____ Are personal grounds necessary?
- _____ Is a Confined Space Permit (PO-MW-A-005, Confined Space Program) necessary? If so, ensure that it is implemented.
- _____ Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.
- _____ Are barricades necessary? If so, list types and locations (APM 130).
- _____ Are other pre-authorizations necessary? If so, provide a list.
- _____ Is there a permanent or portable eyewash station available for the work, if necessary?
- _____ Is there a permanent safety shower available for the work, if necessary?
- _____ Have the tailboard and Work Order review been completed?
- _____ Has the work area been inspected for any other hazards?
- _____ Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards.

Section C:

Precautions–See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP])(all questions must be answered for all tasks) Yes-Y No-N Not Applicable-N/A

- _____ Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan).
- _____ Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).
- _____ Safe Lifting–Material Handling (APM 160).
- _____ Lights (APM 118).
- _____ Booms, Ladders, & Lifts (APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).
- _____ Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).
- _____ Safety Straps, Lifelines, Railings (APM 132).
- _____ Safe Support and Scaffolds (APM 135).
- _____ Portable Ladders (APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.
- _____ Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).
- _____ Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical Safety).
- _____ Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).
- _____ Qualified Electrical Workers(APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).
- _____ Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE–Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A



Midway Sunset Work Order

- _____ Hard hat.
- _____ EH rated leather boots.
- _____ EH rated rubber boots.
- _____ Safety glasses (protects eyes from flying debris).
- _____ Goggles (protects eyes from liquids and flying debris).
- _____ Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).
- _____ Face shield (protects face only).
- _____ FR/AR rated clothing.
- _____ Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).
- _____ Arc flash helmet (Class 2) and Balaclava; (PO-MW-A-008, Electrical Safety).
- _____ Arc flash hood(Class 3); (PO-MW-A-008, Electrical Safety).
- _____ Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).
- _____ Class 0 rubber electrical gloves (1,000 V); (PO-MW-A-008, Electrical Safety).
- _____ Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).
- _____ Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Chromium. Hepa Filter Vacuum.
- _____ Fall protection.
- _____ Leather gloves.
- _____ High-temp gloves.
- _____ Rubber chemical gloves.
- _____ Chemical rain suit.
- _____ Tyvek suit.

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- _____ Have personal grounds been removed?
- _____ Have tags (and locks) been removed?
- _____ Has housekeeping been addressed?
- _____ Has pre-start up inspection been done?
- _____ Has the work been completed?

List the personnel involved in this JSA:

INSP-QTR GEN LEAD LN	Quarterly Generator Lead Line Inspection	0.00	3/28/2025 1:44:55 PM
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Details: _____ Refer to operating instruction mw-06-101. INSPECTIONS

_____ When inspecting the Midway Sunset 230 kV line, Attachment I of MW-06-101 will be completed by the personnel performing the inspection.

_____ Documentation of equipment will include hardware, braces, x-arms, poles (A, B, &C), guys, and anchors. Additional remarks will be recorded on the last page of Attachment 1.

_____ Each guy wire is to be checked for tautness. Anchors are to be inspected for erosion of soil, movement of the anchor rod, or the possibility that the anchor rod has pulled loose. Each pole is to be inspected for alignment with other poles in the structure, and for alignment with the structures on either side. The base of the pole is to be inspected for movement of the



Midway Sunset Work Order

pole and for possible erosion of soil. Damage from fire, machinery, or natural forces are to be noted. Any cracks of over 1/2" wide and to a depth of more than one third of the pole diameter should be noted. Special attention is required for any pole experiencing a spiral crack that completely encircles the pole within a 20 foot section.

_____ Inspect all guy anchor to PVC seals, should a seal be compromised perform the following:
Remove old sealant with a screw driver and putty knife (do not damage the corrosion coating

on the guy anchor rod)
Apply new seal using VISCOTAQ.
shape to allow water to

Clean area with a rag so no dirt or loose material is left.
Insure to seal 1 1/2" below top of PVC and finish top with a dome

run off.

_____ All hardware is to be inspected for loose or missing nuts/washers. Air gaps in the spring washers are to be estimated for width and noted for comparison on following inspections. The heavy end of a spring washer turned to the ground indicates that the hardware has loosened to the point that there is no longer tension in the spring washer and repairs should be made as soon as possible.

_____ The insulators are to be inspected for signs of surface tracking, or physical damage. The conductor shoes are to be inspected specifically for missing nuts and stress cracks.

_____ The crossarms and braces are to be inspected for physical integrity. Any separation of the lamination on the crossarms is to be noted.

_____ At each structure, the area will be inspected for build-up of debris; such as grass, brush, or other refuse which can be a fire hazard. Per California Administrative Code (CAC) Title 14, Section 1250 through 1258, debris will be removed within 10 feet of the outer circumference of the structure.

_____ The route of the transmission line crosses environmentally sensitive areas. Care should be taken not to disturb the habitat of endangered species. Maintain vehicles on roads at all times.

_____ Damage to the following biologically sensitive plants should be avoided when working along or inspecting the transmission line: White Delphinium, found on the north face of the hills in



Midway Sunset Work Order

the first seven miles; Hoovers Woolly Star, found in the flats between structure 11-7 and the California Aqueduct; Miniature California Poppy, found in the hills between structures 2-1 and 4-1.

_____ Damage to the habitat of the San Joaquin Kit Fox, Giant Kangaroo Rat, California Ground Squirrel, and Blunt Nosed Lizard must be avoided. Also, take care not to disturb any active Raptor, Crow, or Raven nests. Please view the Transmission Line Vibration tape for additional information.

_____ Report of fire prevention inspection and clean up report sent to CEC in April.

_____ Distribution:

- 1 - California Energy Commission
- 1 - Plant Manager
- 1 - Maintenance Supervisor
- 1 - Compliance Manager
- 1 - File

Total Est. Down Hours: 0.00

Completion Information:

Date: _____	Emp In _____	Hours: _____
Date: _____	Emp In _____	Hours: _____

Work Order Comments

Added By Date



Midway Sunset Work Order

system

1/3/2025 12:55:19 P

3/28/25 CL

Tailboarded task with control room operator and obtained the necessary authorizations to commence work. WO, JSA and Memo 4367 reviewed. Discussed area awareness, endangered species, and uneven walking surfaces H2S meter #5 was bump tested and passed. Inspected the Generator Lead Line from plant to Midway Substation in Buttonwillow. No new issues were noted on the Generator Lead Line Inspection.

Removed "Bird nest started on the arm above C phase" from structure 5-5 comments.

Trees in orchards were less than 16' tall and there was no encroachment of the line. Updated report and saved in L:/Transmission Line Inspections/2025 GLL Inspections/2025 1st Quarter Inspection WO 163752

MSSC JOB SAFETY ANALYSIS (JSA) (pg 1 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program) <font

Printed Date:

1/21/2026 10:54:50 AM

Report ID: 1813

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Midway Sunset Work Order

size=1>(mark the appropriate selection with an X).

X Approval Clearance Permission

Date: 3/28/2025

Enter Work Order Number: 163752 OR Project ID Number: _____

Job Scope Description: Generator Lead Line Inspection

Section B:

Three way communication is to be used at all times:

Pre-authorization checklist (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

N/A Have appropriate SDSs been obtained and reviewed?

N Is the equipment de-energized?

N/A Is the equipment depressurized?

N/A Is the equipment drained?

N/A Have all valves been properly closed, blinded, tagged, (and locked)?

N/A Is the instrumentation tubing disconnected, depressurized, and capped?

Printed Date:

1/21/2026 10:54:50 AM

Report ID: 1813

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Midway Sunset Work Order

N/A Has equipment been steamed or flushed?

N/A Has equipment been purged? If yes, how?

Y Is equipment free of toxic, corrosive, or hazardous materials?

N/A Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.

N/A Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.

N/A Is the combustible gas test satisfactory (OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?

N/A Is a fire watch required and assigned?

N/A Have potentially affected drains been covered?

Y Has appropriate personal protective equipment (PPE) been assigned (See Section D)?

Y Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?

N/A Are personal grounds necessary?

N/A Is a Confined Space Permit (PO-MW-A-005, Confined Space Program) necessary? If so, ensure that it is implemented.

N/A Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.

N Are barricades necessary? If so, list types and locations (APM 130).

N Are other pre-authorizations necessary? If so, provide a list.

N/A Is there a permanent or portable eyewash station available for the work, if necessary?

N/A Is there a permanent safety shower available for the work, if necessary?

Y Have the tailboard and Work Order review been completed?

N Has the work area been inspected for any other hazards?

Y Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards. Refer to Memo 4367 Off-Site Hazards/Off-Site Work Authorization - 2011



Midway Sunset Work Order

ATTACHMENT 1

MSCC JOB SAFETY ANALYSIS (JSA) (pg 2 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section C:

Precautions—See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP]) (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

Y Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan).

N Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).

N/A Safe Lifting—Material Handling (APM 160).

N Lights (APM 118).

N/A Booms, Ladders, & Lifts (APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).

N/A Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).

N/A Safety Straps, Lifelines, Railings (APM 132).

N/A Safe Support and Scaffolds (APM 135).

N/A Portable Ladders (APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.

N/A Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).

Y Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical



Midway Sunset Work Order

Safety).

Y Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).

N/A Qualified Electrical Workers (APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).

N/A Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE—Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

Y Hard hat.

Y EH rated leather boots.

N/A EH rated rubber boots.

Y Safety glasses (protects eyes from flying debris).

N/A Goggles (protects eyes from liquids and flying debris).

N/A Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).

N/A Face shield (protects face only).

Y FR/AR rated clothing.

N Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).

N/A Arc flash helmet (Class 2) and Balaclava; (PO-MW-A-008, Electrical Safety).

N/A Arc flash hood (Class 3); (PO-MW-A-008, Electrical Safety).

N/A Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).

N/A Class 0 rubber electrical gloves (<1,000 V); (PO-MW-A-008, Electrical Safety).

N/A Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).



Midway Sunset Work Order

N/A Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Chromium. Hepa Filter Vacuum.

N/A Fall protection.

Y Leather gloves.

N/A High-temp gloves.

N/A Rubber chemical gloves.

N/A Chemical rain suit.

N/A Tyvek suit.

Y Personal H2S Monitor for Offsite work.

Y Snake Chaps for Offsite Hiking\Walking. 

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

N/A Have personal grounds been removed?

N/A Have tags (and locks) been removed?

N/A Has housekeeping been addressed?

N/A Has pre-start up inspection been done?

Y Has the work been completed?

List the personnel involved in this JSA: RM,CL

Filter:
pkey = 149541

Appendix D

2nd Quarter Transmission Line Inspection

MIDWAY SUNSET INSPECTION REPORT

Inspection Date: 5/20/2025 WO# 164925

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
1-1	9 new anchors installed 8/2015	N/A	5 CGP	(5) Guys not attached to cow guard poles in pasture land.
			5 D	Daylight between pole and pole eye plates - several dead end attachment items are loose (show daylight), but secure. These are a result of pole shrinkage over the years
			5 D	Daylight between south guy attachment and pole and pole eye plates - up to 1/4"-3/4"
			5 HVS	HVS missing or needs replacing (3)
			2 RP	B pole split at phase position and eye plate is pulling through structure, potential anti-split bolts to close the split as a temp fix
			4 PG	Grounding at C phase hardware pulled out
			3 LG	(3) Loose guy wires on the northside of the three pole structure backing up the phases.
			0 RL	Range land.
1-2	OK	COND AND EHS BOTH - AH and BK	5 CR	Spiral crack, A & C poles full length
			5 CR	C pole horizontal insulator hardware bolt in crack
			5 HVS	HVS missing or needs replacing (2)
			5 GG	Guy guards missing need replacing due to uv damage
			4 CK	Turnbuckle on pole C has a cotter key halfway out
			3 LG	(1) Bisecting guy wire supporting the static needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
			4 S	Pole grounds need staples replaced on all three poles
			0 RL	Range land.
1-3	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on B phase center bottom V brace
			5 HVS	HVS missing or needs replacing (1)
			4 PG	Pole ground loose Pole B
			5 SWTD	Spring Washer turned down on lower X brace B pole
			1 MN	Missing numbers on both poles
			0 RL	Range land.
1-4	N/A	N/A	4 LN	(1) 1/2" bolt backed out 3/8" under center bottom V brace and top V brace at A pole
			5 D	Daylight between Knee brace and A & B poles (less than 1/4")
			5 D	Daylight between top of X brace and A pole (less than 3/8")
			4 BW	End of bird wire loose above A phase
			5 XB	X-braces starting to de-laminate.
			4 LN	Loose bolt top knee pole A
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land.
1-5	N/A	COND AND EHS BOTH - AH and BK	5 S	Ground wire staples on A pole coming out in several places
			4 BW	Loose bird wire over B and C phase
			5 CR	A & B pole shield wires kicked BOL hard on static bar and C phase AOL
			0 RL	Range land.
1-6	N/A	N/A	5 SWTD	Spring Washer turned down on upper X brace A pole
			5 XB	X-braces starting to de-laminate.
			0 RL	Range land.
1-7	N/A	COND AND EHS BOTH - AH and BK	4 BW	Bird wire coming loose above A phase
			5 CR	Crack in A pole is up to 1" wide 10' up
			5 D	Daylight at C phase V brace @ pole 1/8" gap
			5 D	Daylight at bottom of X brace at both A and B pole (<1/8")
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land.
1-8	7 new anchors installed 8/2015	N/A	5 CR	A & C pole split at shield wire hardware attachment
			5 S	Ground wire staples in various places coming out on A, B, C poles
			5 D	Daylight between pole eye plate and pole on A, B, C poles (1/4" to 1/2")
			5 HVS	HVS missing or needs replacing (3)
			5 GG	Guy Guards missing (3) Replcae remaining due to uv damage
			4 LN	C phase suspension shoe has loose nut
			4 CGP	2 Cattle rub poles broken off
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS		
2-1	N/A	COND AND EHS BOTH - AH and BK	5 CR	Bottom X brace hardware in crack		
			4 MN	Missing (1) 1/2" nut on bottom Knee brace on pole A		
			5 GW	Ground wire (normally above pole tops) bent down below top of pole		
			5 HVS	HVS missing or needs replacing (4)		
			4 LB	Bottom of the V brace has a bolt backing out and on upper V-brace at pole B		
			4 BW	Loose bird wire over B phase		
			5 S	Ground wire staples on A and B poles missing in upper portion of pole		
0 RL	Range land;					
2-2	N/A	N/A	4 MN	Missing (1) 1/2" nut and (1) 1/2" lock nut on X bracing center clamp		
			4 LN	A pole top X brace - loose bolt backed out 1/2"		
			5 S	Ground wire staples on B pole coming out above cross arm		
			5 D	Daylight between B pole and bottom X brace attachment (1/8")		
			5 S	A pole top ground wire loose from top of pole		
			5 HVS	HVS missing or needs replacing (3)		
			0 RL	Range land;		
2-3	N/A	COND AND EHS BOTH - AH and BK	5 CR	Large split on the top of B pole; at static rail attachment (1 side of pole only). Spiral cracking up to 10' (1' wide)		
			5 S	Ground wire staples in several places on B pole bottom are backing out		
			5 GW	Ground wire (normally above pole tops) bent down below top of pole		
			5 D	Daylight between A pole and upper X brace (1/8")		
			5 HVS	HVS missing or needs replacing (2)		
			5 BW	Bird wire hanging over C phase		
			4 BW	Bird wire end loose above B pole and hanging down		
0 RL	Range land;					
2-4	N/A	N/A	5 D	Daylight between B pole and bottom X brace (1/8")		
			4 BW	Bird wire end loose above B phase, but not hanging down		
			5 CR	Minor cracking in various places going up A & B poles		
			4 EHS	East static shoe pulled AOL 2'		
			5 HVS	HVS missing or needs replacing (3)		
			0 RL	Range land;		
			2-5	N/A	COND AND EHS BOTH - AH and BK	4 MN
4 EHS	A pole shield wire BOL (approx. 2")					
5 COND	A phase AOL 3-4" due to structure twist					
5 HVS	HVS missing or needs replacing (2)					
5 BGW	Bird guard has fallen off of knee brace					
0 RL	Range land;					
2-6	2 new anchors installed 8/2015	N/A				4 LN
			5 D	Daylight between A pole and top outside V brace (1/8")		
			5 D	Daylight between pole and guy wire brackets - up to 1/4"		
			5 HVS	HVS missing or needs replacing (4)		
			5 BW	Both Bird wires loose on V-brace		
			6 GG	Missing Guy Guards		
			1 CK	Cotter key pushed out on socket eye for C phase		
0 RL	Range land;					

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
2-7	8 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D	Daylight between pole eye plate and pole on guy attachment on A, B and C poles (up to 1/2")
			5 CGP	Cow guard pole is broken off (C pole) and needs to be replaced
			5 GG	Guy Guards missing (6) Replace remaining due to uv damage
			5 S	Ground wire on B & C poles loose in several areas
			5 HVS	HVS missing or needs replacing (2)
			4 WP	Wood pecker damage on pole C 15' above groundline
			3 LG	Loose guy wire at static that ties all three structures together. Bisecting guy wire supporting the static also needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
			1 CK	Cotter key half way out on fiberglass guy insulator for pole B
			0 RL	Range land.
			2-8	N/A
4 BGW	Missing ground wire on B pole in X-brace area - due to many staples missing			
5 D	Daylight between upper V brace on A and B poles			
5 CR	A & B pole crack at hardware			
5 CR	B pole upper X-brace HDW in cracks			
5 CR	B pole cracking full length 1/4" to 3/4" wide			
5 D	Daylight between A pole and bottom X brace (1/8")			
4 EHS	Both shield wires BOL 1"			
4 BW	Birdwire hanging over B phase on V brace			
4 BW	Birdwire hanging over C phase on knee brace			
4 S	Staples missing on A pole ground wire			
0 RL	Range land.			
3-1	N/A	COND AND EHS BOTH - AH and BK		
			5 HVS	HVS missing or needs replacing (4)
			0 IP	Inproper pin used on static shoe on pole B. It is long giving the appearance it is falling out.
			4 BW	Bird wire end loose on both knee braces
			0 RL	Range land.
3-2	N/A	N/A	5 CR	B pole vertical cracking full length 4-6 ft.
			5 COND	A phase Cond AOL 3"
			5 EHS	Static A pole BOL 1/2"
			5 SWTD	Spring Washer turned down on bottom X brace A pole
			5 HVS	HVS missing or needs replacing (2)
			4 BW	Birdwire hanging over B phase on V brace
			5 SWTD	Spring washer turned down on the bottom X brace B pole
			4 LN	Loose nut lower X brace on pole A
			5 BN	Birds nest over center phase
			0 RL	Range land.
3-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment (up to 1/4")
			5 D	Daylight between top V brace and B Pole
			5 D	Daylight between B pole and V brace - up to 1/4"
			5 D	Daylight between B pole and upper V Brace - up to 1/4"
			5 CR	A and B poles have splits
			5 HVS	HVS missing or needs replacing (4)
			5 D	Daylight between knee brace and pole A
			4 LB	Loose bolt bottom knee C phase
			5 BGW	Bird guard missing over A phase
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
3-4	N/A	N/A	5 D Daylight between bottom X brace and A pole - up to 1/8"				
			5 CR A and B poles have splits				
			4 BW Bird wire loose above A phase				
			5 CR B pole shield wire brace bolt in crack				
			4 BW Bird wire missing over C phase				
			5 HVS HVS missing or needs replacing (4)				
			0 RL Range land;				
3-5	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole X brace hardware bolt in crack				
			5 CR A & B pole minor cracks				
			5 D Daylight between A pole and bottom X brace				
			5 D Daylight between B pole and upper X brace				
			5 HVS HVS missing or needs replacing (3)				
			5 D Daylight between the knee brace and pole A				
			4 BW No bird wire on structure				
			5 BN Birds Nest over A Pole				
						0 RL Range land;	
						5 CR At top of A pole where static rail attaches, there is a big crack on both sides of pole - no concern at this time. (repair would be 12" or 14" anti split bolt with 4"x4" curved washers, spring washers, # 6 copper for bonding, below rail).	
3-6	2 new anchors installed 8/2015	N/A	4 BW Bird wire coming loose above C phase				
			4 LN Loose (1) 1/2" nut on V brace to B pole				
			5 CR A pole lower X-brace hardware bolt in crack				
			5 S B pole ground wire staples gone 2/3 ways up pull, 10' loose				
			5 D Daylight between B pole and lower X brace attachment				
			4 BW Bird wire hanging off Knee brace over C phase				
			5 GG Guy guards missing				
			5 HVS HVS missing or needs replacing (4)				
						0 RL Range land;	
						5 D Daylight between A pole and lower X brace attachment	
3-7	N/A	COND AND EHS BOTH - AH and BK	4 BW Bird wire B phase loose				
						0 RL Range land;	
4-1	N/A	N/A	5 CR B pole X brace has vertical crack at hardware attachment				
			5 CR A & B poles minor cracking				
			5 CR X-brace hardware in several cracks				
			5 D Daylight between knee brace and B pole - up to 1/4" daylight				
			5 HVS HVS missing or needs replacing (1)				
						0 RL Range land;	
4-2	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole vertical crack from ground to X-brace				
			5 CR B pole crack ground up to 10'				
			5 CR A & B brace bolts are thru cracks				
			5 HVS HVS missing or needs replacing (2)				
						0 RL Range land;	
4-3	N/A	N/A	5 CR B pole - EHS attachment bolt in crack				
			4 BW Missing bird wire ends above A and C phases				
			5 HVS HVS missing or needs replacing (2)				
			4 S Pole B missing staples in pole ground about halfway up				
			1 MN Missing numbers on B pole				
			4 BW Bird wire hanging over B phase				
						0 RL Range land;	
4-4	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole, large crack, ground to 10' - up to 3/4" wide				
			5 D Daylight between A pole and lower X brace attachment				
			5 HVS HVS missing or needs replacing (1)				
						0 RL Range land;	
4-5	N/A	N/A	5 CR A- Pole vertical crack 20' up, 7" deep, 1/2" wide				
			4 BW Bird wire coming loose above B phase				
			4 GW Ground wire pole B missing staples				
			5 D Daylight between A pole and bottom X brace attachment - up to 1/8"				
			5 HVS HVS missing or needs replacing (1)				
						0 RL Range land;	
4-6	N/A	COND AND EHS BOTH - AH and BK	5 CR B pole vertical cracking to 20' - first 8' up to 3/4" wide and up to 9" deep				
			4 BW Bird wire coming loose above C phase				
			5 CR Crack in B pole - ground to 9' - 1" wide up to 9" deep				
			5 HVS HVS missing or needs replacing (2)				
			5 SWTD Spring washer top of X brace at pole A turned down				
			4 BW Bird wire loose on knee brace over A phase				
						0 RL Range land;	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
5-1	N/A	N/A	5 M	Bike rack chained to base of B pole
			4 MN	Loose (1) 5/8" nut above C phase inside crossarm
			4 MN	Missing (1) 3/4 nut on crossarm above A phase - crossarm to phase bracket
			4 BW	Structure missing all bird wire
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land;
5-2	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole spiral cracking - with conductor crossarm bolt in crack
			4 BW	Structure missing all bird wire
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land;
5-3	2 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5 CR	Top of B pole split at EHS attachment
			5 CR	Minor cracking entire length - B pole
			5 HVS	HVS missing or needs replacing (1)
			4 BW	Structure missing all bird wire
			5 GG	Replace guy guards due to uv damage
			0 RL	Range land;
5-4	N/A	COND AND EHS BOTH - Only BK	5 CR	A pole - vertical crack at crossarm bolt
			5 D	Daylight between A pole and V brace
			4 BW	Bird wire end hanging above B phase
			4 LN	Loose 1/2 inch nut bottom of knee brace over C Phase
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land;
5-5	N/A	COND AND EHS BOTH - AH and BK	4 BW	Bird wire end loose on knee brace above C phase
			4 MN	Missing (1) 5/8" nut above A phase inside crossarm
			5 SWTD	B pole - top of lower X brace - spring washer turned down
			5 CR	B pole - lower X-brace - upper bolt in large crack
			5 CR	Vertical crack at X brace attachment
			4 MN	Missing 1/2 inch locknut on X-brace clamp.
			4 EHS	East static shoe pulled BOL
			4 LN	Loose nut upper X brace pole B
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
5-6	7 new anchors installed 8/2015	NA	5 CR B pole vertical cracking	
			5 CR Guy brace on C pole - bolt thru crack	
			5 HVS HVS missing or needs replacing (3)	
			5 GG Replace guy guards due to uv damage	
			4 S Loose ground wires about 10' to 20' on A & B poles	
			1 MN Missing numbers on B pole	
			0 RL Range land;	
5-7	4 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5 M SS hump back cotter key on socket clevis - B phase needs to be tapped in place next time crews are working on structure (this has been out since insulators were installed); and SS hump back key only half way in on yoke plate, same assembly	
			5 D Daylight between A pole and guy attachment hardware - up to 1/2"	
			5 D Daylight between B pole and guy attachment hardware - up to 1/4"	
			5 CR A pole spiral cracking	
			5 CR B pole vertical cracking	
			5 GG Replace guy guards due to UV damage	
			5 HVS HVS missing or needs replacing (2)	
			1 MN Missing numbers on B pole	
			0 RL Range land;	
			5 D Daylight between guy support and A Pole	
6-1	N/A	N/A	COND A & C phase insulators BOL 3-5"	
			COND A phase highest sag - B phase mid sag - C phase lowest sag	
			5 HVS HVS missing or needs replacing (1)	
			3 EC Pole A six feet from a steep embankmen, needs erosion control. This year is at 4 1/2'	
			0 RL Range land;	
6-2	N/A	COND AND EHS BOTH - AH and BK	COND A & C phase BOL 2-3"	
			5 D Daylight between A pole and upper X brace	
			5 HVS HVS missing or needs replacing (2)	
			3 EC Pole A ten feet from a steep embankmen, needs erosion control.	
			5 D Air gap at knee braces on poles A & B	
			5 D Daylight at lower X brace and pole B	
			0 RL Range land;	
6-3	N/A	N/A	5 CR A & B poles, minor spiral cracking	
			5 CR B pole shield wire hardware bolt in crack	
			5 D Daylight between B pole and bottom X brace	
			5 CR Crossarm bolting in spiral crack	
			4 LB Loose bolt bottom knee A phase	
			5 HVS HVS missing or needs replacing (2)	
			0 RL Range land;	
6-4	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D Daylight between pole and guy attachments	
			5 HVS HVS missing or needs replacing (1)	
			2 CK Cotter key halfway out where turnbuckle meets insulator on C phase	
			1 MN Missing numbers on B pole	
			0 RL Range land;	
6-5			5 D Daylight between A pole and knee brace - up to 1/4"	
			5 CR A & B poles minor cracking	
			5 HVS HVS missing or needs replacing (1)	
			4 GW Ground wire loose on pole B	
			4 LB Loose bolt top knee A phase	
			5 XB X-brace starting to de-laminate.	
			5 BN Birds nest over B pole	
			0 RL Range land;	

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6-6	SEE NOTE	COND AND EHS BOTH - AH and BK	5	M	Guy pole bands on A and B poles slipped down pole initially - no movement over the past several years. No lags in pole bands to hold position with pole shrinkage. Pole bands are missing brackets and a through bolt to keep from sliding down poles.
			3	PB	Pole b missing staples in pole ground about halfway up
			1	OJ	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage
			5	GG	Missing (1) yellow guy guard - also guy guard post to attach guy wire to is broken off - should be replaced at some point in time
			5	S	A, B, & C ground wires pulled away from poles (up to 10')
			5	CR	A & C poles, minor vertical/spiral cracking
			5	D	Daylight between C pole and guying attachment - up to 1/2"
			5	HVS	HVS missing or needs replacing (1)
			5	GG	Replace guy guards due to uv damage
			1	OI	North A phase insulator has a torn shed
			1	MN	Missing numbers on B pole
			0	RL	Range land.
			7-1	N/A	N/A
5	HVS	HVS missing or needs replacing (3)			
5	D	Daylight between B pole and lower X brace			
5	CR	Lower X-brace bolt through large crack			
4	XB	X-brace starting to de-laminate.			
5	CR	Static shoe at pole A AOL 1 1/2 "			
4	BW	Loose bird wire on knee brace above C phase			
1	MN	Missing numbers on B pole			
0	RL	Range land.			
0	RL	Range land.			
7-2	N/A	COND AND EHS BOTH - AH and BK	5	D	Daylight between A pole and bottom X brace
			5	CR	Vertical cracking A & B pole
			5	HVS	HVS missing or needs replacing (2)
			0	RL	Range land.
7-3	N/A	N/A	5	COND	B & C phase insulators AOL - 2"
			5	D	Daylight between B pole and V brace
			5	SWTD	A pole - top of X brace - spring washer turned down
			5	S	Staples on B pole coming out - 2/3 pole length
			5	HVS	HVS missing or needs replacing (1)
			0	RL	Range land.
7-4	N/A	COND AND EHS BOTH - AH and BK	5	CR	B pole top is splitting, spiral cracking on A pole
			5	SWTD	B pole - bottom of X brace - spring washer turned down
			5	HVS	HVS missing or needs replacing (2)
			5	XB	X-brace starting to de-laminate.
			4	LB	Loose bolt top V pole A
			5	PN	Pole A missing numbers
			0	RL	Range land.
7-5	N/A	N/A	4	LN	Loose (1) 1/2" nut on bottom outside knee brace above C phase
			4	LN	Loose (1) 1/2" nut on bottom center phase V brace
			4	MN	Missing (1) 1/2" nut on bottom center phase V brace
			5	D	Daylight between A pole and V brace
			5	D	Daylight between A pole and upper X brace
			5	CR	A & B poles minor cracking
			0	RL	Range land.
7-6	N/A	COND AND EHS BOTH - AH and BK	5	D	Daylight between top X bracing and B pole - up to 3/8"
			4	LN	Loose (1) 1/2" nut on center bottom V brace
			5	HVS	HVS missing or needs replacing (2)
			5	LB	Loose bolt on the bottom X brace at pole B
			4	LN	Loose nut lower knee brace A phase
			4	LB	Loose bolt lower knee brace A phase
			0	RL	Range land.
			4	LN	Loose (1) 1/2" nut on bottom knee brace - above A phase

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7-7	N/A	N/A	5 CR	Spiral cracking B pole at bottom of X-brace
			4 XB	X-brace starting to de-laminate.
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land.
7-8	N/A	COND AND EHS BOTH - AH and BK	5 CR	B pole shield wire bolt in crack
			5 CR	Spiral cracking middle of B pole
			4 LN	Loose nut bottom X brace on pole B
			4 LB	2 Loose bolts upper knee brace A phase
			0 RL	Range land.
8-1	N/A	OK	4 MN	Missing (1) 1/2" nut on bottom center V brace, and loose (1) 1/2" nut on bottom center V-brace
			5 CR	B pole crack at X brace attachment bolt
			5 CR	A & B pole spiral cracking
			4 LB	Loose bolt lower knee braces over A phase
			0 RL	Range land.
8-2	7 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 S	Loose staples on A, B and C poles
			5 D	Daylight between guy / conductor attachment on A & B pole - up to 1/2" at top for guy; and up to 1" for conductor
			5 D	Daylight between guy / conductor attachment on B pole - up to 3/8"
			5 CR	B & C phase insulator hardware bolts are in or next to vertical cracks
			5 CR	A and B pole shield wire hardware bolts in cracks
			5 HVS	HVS missing or needs replacing (4)
			5 GG	Replace guy guards due to uv damage
			1 MN	Missing numbers on B pole
			0 RL	Range land.
			5 D	Daylight between grid gains on conductor attachment side, all poles - A & B phase up to 1/2"; C phase up to 1"
8-3	10 new anchors installed 8/2015	N/A	1 OJI	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage
			5 HVS	HVS missing or needs replacing (1)
			1 CK	Cotter key on both shoes for A&B phases half way out
			1 CK	Cotter key halfway out on lower guy pole C
			5 GG	Replace guy guards due to uv damage
			1 OJI	Replace jumper insulators due to UV damage
			1 MN	Missing numbers on B pole
			0 RL	Range land.
8-4	N/A	COND AND EHS BOTH - AH and BK	5 S	Missing staples on lower portion of A pole
			4 EHS	Shield wire attachments on both sides of structure pulled BOL up to 2"
			5 D	Daylight between A pole and bottom X brace - up to 1/8" gap
			5 HVS	HVS missing or needs replacing (2)
			0 RL	Range land.
8-5	N/A	N/A	5 HVS	HVS missing or needs replacing (2)
			5 GG	Replace guy guards due to uv damage
			1 CK	Cotter key 1/2 out B phase
			4 S	Staples missing out of ground wires on both poles A & B
0 RL	Range land.			
8-6	2 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 CR	A pole shield wire bolt in crack
			5 CR	Upper V-brace bolt at B pole in crack
			5 CR	B pole crack FROM ground to 10' up (6" deep X 1" wide)
			5 EHS	Static shoe at pole A BOL 1"
			0 RL	Range land.
8-7	N/A	N/A	5 CR	A pole has crack 6" deep and 1" wide from ground level to 12' up
			4 MN	Missing (1) 1/2" nut on center bottom V brace
			4 LN	Loose nut upper X brace pole B
			0 RL	Range land.
8-8	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	1 CI	Old style braced post insulator assemblies still in place - recommend change out to new insulators during next scheduled outage
			5 D	Daylight between C pole insulator plate, upper bolt head out 1/4" from plate
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work
			5 HVS	HVS missing or needs replacing (4)
			5 GG	Guy guards need replacing due to uv damage
0 RL	Range land.			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
9-1	N/A	N/A	5 CR	A pole vertical split from ground to 30' - at 10', 1-1/2" wide crack up to 9" deep
			5 D	Daylight between A and B poles lower X brace attachment - up to 1/8"
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land;
9-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"
			5 CR	B pole cracked at upper hardware
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road (BOL) then on ROW
			5 EHS	Static shoe on B pole BOL 1 1/2"
			5 D	Daylight showing on the knees & Vs at poles A & B
			4 LB	Loose bolt knee brace on poleA
			0 RL	Range land;
9-3	N/A	N/A	5 BW	Missing bird wire above C phase.
			5 M	Distribution line approx. 20 ft BOL from structure
			1 RA	Existing access restricted - above ground piping blocking access (up to 16 pipes at this time) - if needing to access structure come in from cross road then on ROW
			4 LB	Loose bolt upper X brace on pole B
			0 RL	Range land;
9-3.5	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 1/2" nut on bottom center V bracing - above crossarm
			5 D	Daylight between B pole and bottom X brace attachment -up to 1/8"
			EHS	B pole shield wire AOL 2"
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (4)
			4 S	Staples missing on pole ground for pole B
			4 BW	No bird wire on structure
0 RL	Range land;			
9-4	N/A	N/A	5 D	Daylight between A pole and V brace
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (2)
			3 EHS	Both static shoes kicked BOL 1 1/2"
			4 BW	No bird wire on structure
			0 RL	Range land;
9-5	N/A	COND AND EHS BOTH - AH and BK	EHS	Shield wire on B pole pulled BOL approx. 1"
			4 MN	Missing (1) 1/2" nut and loose (1) 1/2" nut on bottom center V brace
			5 CR	B pole split 10' x 1/2" x 6" depth
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (1)
			4 S	Missing staples for ground wire Pole B
			4 LB	Loose 1/2 bolt in the upper X-brace pole B
			4 BW	No bird wire on structure
0 RL	Range land;			
9-6	N/A	N/A	1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			M	Distribution line approx. 12 ft BOL from structure
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			0 RL	Range land;
9-7	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom center V brace
			4 MN	Missing (1) 1/2" nut on bottom outside Knee brace on A phase, and (1) 1/2" bolt head backed out a bit
			M	New road past structure to well site - AOL
			5 HVS	HVS missing or needs replacing (4)
				Spiral on static touching shoe
			4 BW	No bird wire on structure
0 RL	Range land;			
10-1	9 new anchors installed 8/2015	COND AH - no EHS	M	New C pole installed fall of 2014
			5 D	Daylight between pole and gain plates and hardware (3 places) for conductor attachment to eyebolts on AOL side
			5 CR	B & C starting to develop a split
			2 GG	Missing (8) guy guards
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
			0 RL	Range land;
10-2	N/A	N/A	4 LN	Missing (1) 1/2" nut on bottom center V brace
			4 LN	Loose (2) 1/2" nuts on bottom outside V brace above C phase
			5 CR	A pole 3/4" - 1" crack ground to 15'
			5 D	Daylight between B pole and bottom X brace
			5 D	Daylight between B pole and upper V brace

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
			5 HVS	HVS missing or needs replacing (2)
			4 BW	No bird wire on structure
			0 RL	Range land.
10-3	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom center V brace
			4 LN	Loose (1) 1/2" nut on bottom X brace to B pole
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			0 RL	Range land.
10-4	N/A	N/A	4 LN	Loose (1) 1/2" nut on bottom outside knee brace on C phase
			5 M	Minor shotgun damage on both poles
			5 SWTD	A pole - bottom X brace - spring washer turned down
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
			0 RL	Range land.
10-5	N/A	COND AND EHS BOTH - AH and BK	5 EHS	East shield wires pulled AOL approx. 1"
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			4 LB	Loose bolt upper X brace at pole B
			0 RL	Range land.
10-6	N/A	N/A	4 MN	Missing (2) 1/2" nuts and (1) loose 1/2" nut on bottom center V bracing
			5 D	Daylight between upper V brace and A pole
			5 SWTD	B pole - top X brace - spring washer turned down
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			0 RL	Range land.
10-7	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on upper X brace A pole and bolt has backed out 1/8"
			5 D	Daylight between bottom X bracing and V bracing and pole, on A pole side - less than 1/4"
			5 D	Daylight between B pole and upper V braced V bracing and pole, on A pole side - less than 1/4"
			5 EHS	B pole shield wire pulled AOL approx. 1"; and A pole shield wire pulled BOL approx. 1"
			5 CR	Crack on B pole @ upper X brace
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
10-8	N/A	N/A	5 D	Daylight between upper V brace and A and B poles - up to 1/4"			
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"			
			3 EHS	A pole shield wire pulled BOL up to 2"			
			4 MN	Missing (2) 1/2" nuts - 1 on bottom knee brace - A and C phase			
			5 HVS	HVS missing or needs replacing (3)			
			4 BW	No bird wire on structure			
			0 RL	Range land			
11-1	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 1/2" nut on bottom center V brace			
			5 D	Daylight between A pole and upper V brace			
			5 CR	Crack on A pole - 5' up 4' long - 1" wide x 4" deep			
			5 HVS	HVS missing or needs replacing (3)			
			4 BW	No bird wire on structure			
			0 RL	Range land			
			11-2	N/A	N/A	5 CR	Big crack through pole at crossarm attachment on B pole (repair would be install 14" or 16" anti split bolts with 4"x4" curved washers, spring washers, # 6 copper for bonding)
5 D	Daylight between upper V brace and A pole						
5 SWTD	B pole - top X brace - spring washer turned down						
5 HVS	HVS missing or needs replacing (4)						
4 BW	No bird wire on structure						
3 MB	(2)Missing bolt upper X brace pole A						
0 RL	Range land						
11-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between bottom of upper X bracing and bottom of lower X bracing on both A and B poles - less than 1/4"			
			5 CR	A pole has crack 7/8" wide x 4" deep near bottom of pole			
			5 HVS	HVS missing or needs replacing (2)			
			5 D	Daylight showing on knee brace at pole B			
			4 BW	No bird wire on structure			
				Loose bolt V brace pole B			
			4 LB	Loose bolt upper knee brace A phase			
0 RL	Range land						
11-4	N/A	N/A	5 S	Loose ground wire B pole - 15' up			
			5 CR	Crack on B pole - 3/4" wide from 5' to 20' up pole			
			5 HVS	HVS missing or needs replacing (4)			
			4 BW	No bird wire on structure			
			0 RL	Range land			
			11-5	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between upper outside knee bracing and B pole - up to 1/4"
						5 D	Daylight between lower X brace and B pole
5 D	Daylight between B pole and bottom of upper X brace attachment - up to 1/8"						
5 SWTD	B pole - top X brace - spring washer turned down						
5 HVS	HVS missing or needs replacing (4)						
4 BW	No bird wire on structure						
5 XB	Both stlets of X braces de-laminating						
4 LB	Loose bolt V brace over B phase						
4 LB	Loose bolt knee brace over C phase						
0 RL	Range land						
11-6	N/A	COND AND EHS BOTH - AH ONLY	4 MN	Missing (1) 1/2" nut on bottom center V brace			
			4 MN	Missing (1) 1/2" lock nut on X bracing center clamp			
			5 S	A pole ground wire loose 10' up pole			
			5 HVS	HVS missing or needs replacing (4)			
			4 LB	Upper X brace 1/2 bolt loose on pole B			
			4 BW	No bird wire on structure			
			4 LB	Loose bolt knee brace over A phase			
0 RL	Range land						
11-7	N/A	N/A	4 LN	Loose (1) 1/2" bolt on bottom center V brace pole B - head backed out 1/16"			
			5 HVS	HVS missing or needs replacing (4)			
			4 BW	No bird wire on structure			
			0 RL	Range land			
			5 D	Daylight between upper outside V bracing and a Pole - up to 1/4"			
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
12-1	N/A	COND AND EHS BOTH - AH and BK	5 CR Crack on B pole along bottom X brace, continue to monitor	
			5 HVS HVS missing or needs replacing (4)	
			5 SWTD Spring washer turned down lower X brace A pole	
			4 BW No bird wire on structure	
			4 LB 2 Loose bolts upper V brace at poles A & B	
			0 RL Range land;	
12-2	N/A	N/A	1 MN Missing (1) 1/2" nut, (1) 1/2" lock nut and loose 1/2" lock nut on upper X bracing center clamp	
			5 MN Missing 1/2 lock nut on lower X brace clamp	
			5 SWTD Spring washer turned down on upper X brace pole B	
			5 D Daylight between upper V brace and B pole - up to 1/2"	
			5 D Daylight between bottom X bracing and A and B poles	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			4 LB Loose bolt upper knee brace pole A	
			0 RL Range land;	
			12-3	N/A
5 CR Crack on A pole from ground to 18" up				
5 HVS HVS missing or needs replacing (3)				
4 BW No bird wire on structure				
5 BN Birds nest over B Phase				
0 RL Range land;				
12-4	N/A	N/A	4 LN Loose 1/2" bolt on upper X brace on A pole (head backed out 1/8")	
			5 D Daylight between B pole and lower X brace attachment	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			4 LB Bolt falling out	
			4 LB Loose bolt upper knee brace pole B	
			0 RL Range land;	
12-5	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut - bolt backed out 1/2" on upper knee brace B pole	
			5 CR A pole crack 5' to 7' up, 7" + deep	
			4 MN Missing (1) 1/2" locknut on X brace center clamp	
			5 HVS HVS missing or needs replacing (3)	
			0 RL Range land;	
12-6	N/A	N/A	5 D Daylight between upper V brace and A pole - up to 1/4 - 1/2"	
			5 D Daylight between bottom X brace A and B poles - up to 1/4"	
			4 LN Loose (1) 1/2" nut on bottom X brace B pole	
			5 CR Crack in A pole at bottom X brace - 1/2 to 3/4 wide	
			5 HVS HVS missing or needs replacing (2)	
			4 LB Loose bolt upper V brace at pole B	
			0 RL Range land;	
12-7	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between bottom X brace and A pole	
			5 CR Crack in B pole in area from crossarm to V brace, spiral bolt to bolt	
			5 SWTD B pole - top X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (4)	
			4 LB Loose 1/2 bolt upper V brace at pole B	
			4 BW Loose bird wire over C phase	
			4 LB 2 Loose bolts upper X brace pole A	
0 RL Range land;				

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
13-1	N/A	N/A	5 D	Daylight between top V bracing and A pole - less than 1/4"	
			5 D	Daylight between B pole and bottom X brace attachment - up to 1/8"	
			5 HVS	HVS missing or needs replacing (4)	
			4 LB	Loose bolt upper V brace at pole A	
			0 RL	Range land;	
	13-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A and B poles X brace bottom
				5 D	Daylight between A pole and V brace - up to 1/4"
				5 CR	Crack on B pole from bottom to 30' up -1" wide x 4" deep
				5 HVS	HVS missing or needs replacing (3)
				4 LB	Loose bolt knee brace above A phase
13-3	N/A	N/A	5 D	Daylight between bottom of X bracing and A and B poles - up to 1/8"	
			M	Ecological Preserve signs along road	
			5 HVS	HVS missing or needs replacing (3)	
			5 D	Daylight between the knee & V braces.	
			1 CK	Cotter key pushed out on socket-eye for center phase shoe. loose nuts on shoe	
			4 LB	Loose bolt V brace above B phase	
			0 RL	Range land;	
13-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)	
			5 D	Daylight between the knee & V braces.	
			0 RL	Range land;	
13-5	N/A	N/A	5 CR	Crack in pole (6" deep x 1" wide in different planes) from near ground line to approx. 12' up + crack from 20' to 40' up - up to 1"	
			5 HVS	HVS missing or needs replacing (3)	
			0 RL	Range land;	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
13-6	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper V brace at pole B
			0	RL Range land;
13-7	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	HVS HVS missing or needs replacing (2)
			4	LN Loose (1) 1/2" nut-bottom X brace, A pole
			0	RL Range land;
14-1	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR B-pole @ bottom x-brace, 8" crack, 1/2" wide
			5	S Loose ground wire on B pole from 8'
			5	CR A-pole ground to 12', crack, 7" deep
			4	LN Loose (1) 1/2" bolt - knee brace above A phase - head backed out up to 1/8"
			5	HVS HVS missing or needs replacing (1)
			0	RL Range land;
14-2	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR A pole spiral crack at X brace attachment
			5	CR B-pole spiral crack from ground to 10' up - up to 1" width
			5	D Daylight between upper V brace and A pole
			5	SWTD A pole - bottom X brace - spring washer turned down
			5	HVS HVS missing or needs replacing (2)
			4	LB Loose bolt upper V A pole
			4	LB Loose bolt upper knee pole B
			5	XB X brace de-laminating
			0	RL Range land;
14-3	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR A-pole vertical crack, 6" to top, up to 3/4" wide
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper knee brace on pole A
			4	LB Loose bolt upper knee brace pole B
0	RL Range land;			
14-4	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	D Daylight between bottom of X bracing and B pole - less than 1/4"
			5	D Daylight between A pole and V bracing - up to 1/8"
			5	CR Cracks on A and B poles near cross arm
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose bolt upper knee pole A
			4	LB Loose 1/2 bolt upper knee brace on pole B
0	RL Range land;			
14-5	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			1	MN Missing (1) 1/2" lock nut on bottom X bracing center clamp; and missint (1) 1/2" nut on same clamp. This should be corrected during next scheduled maintenance outage
			5	D Daylight between A pole and upper X brace
			5	SWTD Spring washer turned down on upper X brace pole B
			5	HVS HVS missing or needs replacing (2)
			1	GW Ground wire on poles A & B removed ground level up 10'
0	RL Range land;			
14-6	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack on B pole from ground to 35' up - up to 1" wide and 6" deep
			5	HVS HVS missing or needs replacing (3)
			5	XB Upper X brace Delamination
			4	LB Loose 1/2 bolt center of V brace
			0	RL Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
14-7	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5 CR	Crack on B pole from ground to 20' up - up to 4-8" deep
			4 LB	Loose bolt top V pole A
			5 HVS	HVS missing or needs replacing (2)
			0 RL	Range land;
15-1	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5 CR	Crack in B pole at top of X bracing - up to 1 1/2" crack at bolt
			5 CR	A pole twisted AOL - up to 2"; B pole twisted BOL - up to 2'
			5 D	Daylight between bottom X bracing and B pole
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose bolt upper knee brace pole B
			0 RL	Range land;
15-2	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5 CR	B pole has several cracks all the way down, with the largest ranging up to 7" deep and 1" wide
			5 D	Daylight between bottom X bracing and A and B poles - less than 1/4"
			5 CR	A pole crack from 7' to 15' x 3/4" wide
			5 CR	Static bar metal brace - B pole Split at bolt. B pole x-brace large split at hardware. Spiral cracking
			5 HVS	HVS missing or needs replacing (2)
			4 MN	Missing (1) 1/2" locknut and 1/2 nut loose on upper X bracing center clamp.
			4 MN	Missing 1/2" nut on V-brace at center of the cross arm
			0 RL	Range land;
			5 CR	B pole bottom X bracing bolted into crack
15-3	N/A	N/A	5 HVS	HVS missing or needs replacing (3)
			5 CR	B-pole crack, ground to 20'
			5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt V brace over B phase
			0 RL	Range land;
15-4	N/A	COND AND EHS BOTH - AH and BK	5 CR	B-pole crack, ground to 20'
			5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt top V pole A
			5 CR	B pole bottom X bracing bolted into crack
			0 RL	Range land;
15-5	SEE NOTE	N/A	5 CR	A pole crack from near bottom to 30' up - up to 3/4" wide
			3 MN	Lock nuts missing on guy plates for poles A, B and C
			4 CK	Collar key pole C static yoke plate 1/2 way out
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land;
15-6	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole has a vertical crack from ground up 20', up to 1" wide by 8" deep
			5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt upper knee brace at pole A
			1 MN	Missing numbers on B pole
			4 XB	X brace clamp fell off
			PT	Pistachio trees - saplings 5-6.5' tall
16-1	N/A	N/A	4 LN	Missing 2- 1/2" locknuts and 2- 1/2" nuts on Xbrace clamp
			5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on B pole 2' up
			PT	Pistachio trees - saplings 10' tall
16-2	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (4)
			5 SWTD	Spring washer turned down lower x brace B pole
			5 D	Daylight between knee brace and pole A
			4 LB	Loose bolt upper V brace at pole B
			PT	Pistachio trees - saplings 10' tall
16-3	N/A	N/A	5 HVS	HVS missing or needs replacing (4)
			PT	Pistachio trees - saplings 5-6.5' tall

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
16-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS HVS missing or needs replacing (3)	
			5 LN Loose 1/2" bolt on V brace at the arm	
			4 GW Wrong ground wire splice on A pole at the ground	
			5 FED Equipment damage to pole A 1/2" deep	
			5 D Daylight on knees & Vs at poles A & B	
			4 BW Bird wire loose over Cphase	
			C Cotton field	
16-5	N/A	N/A	5 M Missing pole ID on pole B	
			4 BGW Broken ground wire on B pole	
			5 D Daylight between A pole and bottom X brace	
			5 D Daylight on knees & Vs at poles A & B	
			4 LB Loose bolt bottom knee A phase	
			5 HVS HVS missing or needs replacing (3)	
			C Cotton field	
16-6	N/A	COND AND EHS BOTH - AH and BK	FED Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole	
			5 HVS HVS missing or needs replacing (2)	
			4 GW Loose ground wire on pole A	
			C Cotton field	
16-7	N/A	N/A	5 D Daylight between B pole and bottom X brace	
			FED Farm Equipment Damage - minor - A and B poles - less than 1" deep from 1' up to about 4-1/2' up	
			5 HVS HVS missing or needs replacing (3)	
			3 PG Broken ground wire firm farm equipment damage 4 1/2' feet up on A&B poles	
			C Cotton field	
17-1	N/A	COND AND EHS BOTH - AH and BK	5 HVS HVS missing or needs replacing (2)	
			4 LB Loose bolt top knee A pole	
			3 GW Broken ground wire 2' up on pole A	
			C Cotton field	
17-2	N/A	N/A	5 HVS HVS missing or needs replacing (3)	
			4 LB Loose bolt top knee A pole	
			3 GW Broken ground wire 2' up on pole A	
			C Cotton field	
17-3	N/A	COND AND EHS BOTH - AH and BK	5 FED Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles	
			5 HVS HVS missing or needs replacing (4)	
			4 LB Loose bolt upper V brace pole B	
			C Pistachio Trees - saplings 10' tall	
17-4	2 new anchors installed 8/2015	N/A	5 FED Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles	
			5 HVS HVS missing or needs replacing (3)	
			4 BGW Broken pole ground at ground level on pole A.	
			4 LB Loose bolt on the bottom X brace at pole A	
			5 LB Bolt backed out 3/8" on upper knee brace pole B	
			4 G Improper sleeve used to splice ground wire on B pole	
			4 LB Loose bolt upper knee A pole	
			4 LB Loose bolt upper knee brace pole B	
			PT Pistachio grove trees approaching 16-17 ft height - checked midspan clearance - midspan height of conductor is ~35-6' (Been Cut)	
17-5	N/A	COND AND EHS BOTH - AH and BK	5 FED Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole	
			5 FED Farm equipment damage to pole B that is 3" deep	
			5 CR B pole has a crack from bottom to top of bottom X brace	
			4 BGW Broken ground wire on A pole	
			5 HVS HVS missing or needs replacing (2)	
			C Cotton field	
17-6	N/A	N/A	EHS A pole shield wire pulled AOL - up to 1"	
			5 HVS HVS missing or needs replacing (4)	
			4 LB 2 Loose 1/2" bolt lower X braces on pole A & B	
			4 LB Loose bolt top V pole B	
			4 LB Loose bolt upper knee brace pole B	
			C Cotton field	
17-7	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut on bottom outside V brace above C phase	
			5 HVS HVS missing or needs replacing (4)	
			4 BGW Broken ground wire on B pole	
			5 BN Birds nest over B phase	
			C Cotton field	
18-1	N/A	OK	5 HVS HVS missing or needs replacing (4)	
			4 BGW Broken ground wire on A pole	
			C Cotton field	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
18-2	N/A	COND AND EHS BOTH - AH and BK	5 FED	Farm Equipment damage - minor - A and B poles - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 D	Daylight between A pole and upper V brace
			5 SWTD	Spring washer turned down on lower X brace at pole B
			4 BGW	Broken ground wire on B pole
			5 HVS	HVS missing or needs replacing (4)
			C	Cotton field
18-3	N/A	N/A		Bird nest
				C Cotton field Steel Deadend
18-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			4 GW	Improper sleeve used to splice ground wire on B pole
			4 LB	Loose bolt upper X brace pole B
			4 XB	X brace is de-laminating
				C Cotton field
18-5	N/A	N/A	4 BGW	Broken ground wire on B pole
			5 HVS	HVS missing or needs replacing (3)
				C Cotton field
18-6	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt upper V brace pole B
			4 LB	Loose bolt lower X brace at pole B
			4 LB	Loose bolt top knee A pole
			4 BW	Bird wire loose over C phase
			C	Cotton field
18-7	N/A	N/A		C Cotton field
19-1	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and upper V brace
			5 FED	Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 HVS	HVS missing or needs replacing (3)
			4 LN	Loose nut upper knee brace pole B
			1 MN	Missing numbers on B pole
			PT	Pistachio grove trees approaching 16-17 ft height - checked midspan clearance - midspan height of conductor is ~37'-6"
19-2	N/A	N/A	4 MN	Missing (1) 1/2" nut - broken off bolt head on upper X brace on A pole side
			5 FED	Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1/2" deep section near bottom of pole
			4 LB	Loose 1/2 bolt upper V brace on pole B
			4 LB	Loose 1/2 bolt upper knee brace Pole A
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose bolt upper X brace pole A
			PT	Pistachio grove trees approaching 16-17 ft height (see comment for str 19-2)
19-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between B pole and bottom X brace
			5 EHS	East shield wire pulled BOL up to 3"
			5 EHS	West shield wire pulled AOL up to 1"
			4 LB	Loose 1/2 bolt upper V brace on pole B
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose bolt upper knee brace pole B
			PT	Pistachio grove trees approaching 16-17 ft height (see comment for str 19-2)
19-4	N/A	N/A	4 LN	2 Loose 1/2" nuts on center V bracing
			5 HVS	HVS missing or needs replacing (3)
				C Tomato field
19-5	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole splitting starting at 6' approx. 1" wide x 8" deep
			5 HVS	HVS missing or needs replacing (3)
			5 XB	X-braces installed backwards.
				C Watermelon field
19-6	N/A	N/A	5 HVS	HVS missing or needs replacing (3)
			5 EHS	Static wire on pole A BOL 1.5'
			4 LB	Loose bolt top knee pole A
			4 LB	Loose bolt upper knee brace pole B
			C	Watermelon field

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
19-7	N/A	COND AND EHS BOTH - AH and BK	M	Anchor bolt nuts tight and ground wire in place
			5 HVS	HVS missing on steel structures
			2 COND	Jumper terminals appear loose on Northwest jumper-Suggest having Heli crew get a better look at it on their yearly maintenance
MSCC 0-3	N/A	N/A	2 COND	When MSCC 0-2 was replaced it raised the conductor on the North side of the str making the jumpers too short causing the construction crew to remove the jumpers on A phase, they left the insulators on B & C phases that are now slack and swinging in towards the str, Jumpers need to be lengthened and insulators on A phase installed
			5 MB	Missing a bolt on each of the 18 horizontal lacings at the bottom of the structure where they tie into the legs. One bolt in each one at the legs, this might be as designed.
			4 WI	Wash insulators per established washing schedule. Currently all insulators are fairly clean.
			STR	MSCC 0-2 Lattice str replaced with a taller 3 pole steel D.E. sstr
MSCC 0-2	N/A	N/A	4 CK	Cotter key 1/2 way out substation side C phase shoe
			RL	Range land - fenced yard at Midway substation
			L	Lattice structure - all members tightly fastened
MSCC 0-1	N/A	N/A	3 CD	After replacing structure MSCC 0-2 the old conductor was resagged at MSCC 0-1 due to height differential, the conductor that was under the bolted deadend shoe and shifted outside the shoe at MSCC 0-1 is severely deformed
			RL	Range land - fenced yard at Midway substation

The

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
MSCC Switchyard	N/A	N/A	4 CK	Cotter key on southeast dead end halfway out
			1 BN	2 Bird nests on A-frame
MSCC Poles #0/1	N/A	N/A	5 HVS	HVS missing or needs replacing (6)
			5 D	Daylight between B pole and gain plates on station side (1/4" to 1/2")
			4 CK	Cotter pin for dead end shoe halfway out on C phase southside of structure.
			5 M	Missing pole number for 'C' pole
Western Substation	N/A	N/A	4 PI	Porcelain insulators very dusty - recommend cleaning at some point in the future
			2 OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage
			5 M	Discoloration (rust color) on top of East frame from previously installed device (now removed) that bleed rust - OK
			3 OI	Polymer D.E. Insulators leaking
Western Substation	N/A	N/A	4 PI	Porcelain insulators very dusty - recommend cleaning at some point in the future
			2 OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage
MSCC Pole #0/2	OK	N/A		Conductor removed between MSCC 0/2 & 0/3
MSCC Pole #0/3	OK	N/A	4 LN	Loose nut on guy eye plate.
				Conductor removed between MSCC 0/2 & 0/3
			5 M	Missing (2) Stainless Steel hump back cotter keys on bent bolts above jumper insulators - A and B phases
MSCC Pole #0/4	OK	N/A	4 CK	Cotter key halfway out on top suspension Insulator
			5 M	Bottom bolt on post insulators is loose (1/4"-1/2")
			5 M	Missing pole number
			5	Guys not taped
			5 CR	A pole splitting from ground to 1/2 way up - up to 1" wide and 8" deep
			3 LB	Loose bolts on gang operated switch.
			5 HVS	HVS missing or needs replacing (2)
			5 GG	Replace UV damaged and missing guy guards

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
MSCC Pole #05	N/A	N/A	5	M	Missing pole number
			5	CR	Spiral splitting 10' high 1" wide 6" deep
			4	LN	Loose nut - bottom bolt on all 3 post insulators is loose (1/4"-1/2")
			5	GG	Replace guy guards due to UV damage
<i>East and south of Western substation</i>					
MSCC Pole #06	OK	N/A	5	M	Missing pole number
			5	A	Anchors not taped
			4	CK	Cotter key halfway out on dead end shoe top phase East side.
			4	CK	Cotter key halfway out on dead end shoe bottom phase North side.
			5	GG	Missing guy guards on down guys (2)
<i>West of Victory substation</i>					
Victory Substation "H" Str	N/A	N/A			In Victory substation



Midway Sunset Work Order

WO# : 164925

Description: Quarterly Gen Lead Line Inspection

Work Type: **PM-O&M**

Primary Assigned To:

Status: **Completed**

Assigned By:

Supervisor: **MIKEW**

Created By:

Reason:

Date Scheduled: **4/1/2025 12:00:00 AM**

Shift: **swingshift**

Project:

Reference: **Y**

Site Comments: Ensure that you copy, paste and fill out the latest version of the JSA into EVERY Work Order.

It can be found at O:Forms/JSA/MSCC JSA ATTACHMENT 1.

Asset/Procedure Combinations

Asset: **Y-LINE**

Generator lead Line

Location:

Serial No:

Model No:

Procedure: **INSP-GEN LEAD LN QTR**

Quarterly Generator Lead Line Inspection

Warranty Coverage: **No**

Perform While Asset Running: **Yes**

Perform While Asset Down: **No**

Crafts	Resource ID	Resource Name	Est. Hours	Hours Worked	Date	Performed By
OM1	COREYR	Corey Rutkes	0.00			
Estimated Hours Total:			0.00			

Tasks	Description	Est Down Hours	Safety	Date Completed
JSA	Job Safety Analysis	0.00		6/11/2025 1:31:50 PM

Details: ATTACHMENT 1

MSCC JOB SAFETY ANALYSIS (JSA) (pg 1 of 3)

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program) (mark the appropriate selection with an X).

Approval Clearance Permission

Date:

Enter Work Order Number: _____ OR Project ID Number _____

Job Scope Description:

Section B:

Three way communication is to be used at all times:



Midway Sunset Work Order

Pre-authorization checklist (all questions must be answered for all tasks) Yes-Y No-N Not Applicable-N/A

- Have appropriate SDSs been obtained and reviewed?
- Is the equipment de-energized?
- Is the equipment depressurized?
- Is the equipment drained?
- Have all valves been properly closed, blinded, tagged, (and locked)?
- Is the instrumentation tubing disconnected, depressurized, and capped?
- Has equipment been steamed or flushed?
- Has equipment been purged? If yes, how?
- Is equipment free of toxic, corrosive, or hazardous materials?
- Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.
- Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.
- Is the combustible gas test satisfactory(OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?
- Is a fire watch required and assigned?
- Have potentially affected drains been covered?
- Has appropriate personal protective equipment (PPE) been assigned (See Section D)?
- Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?
- Are personal grounds necessary?
- Is a Confined Space Permit (PO-MW-A-005, Confined Space Program) necessary? If so, ensure that it is implemented.
- Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.
- Are barricades necessary? If so, list types and locations (APM 130).
- Are other pre-authorizations necessary? If so, provide a list.
- Is there a permanent or portable eyewash station available for the work, if necessary?
- Is there a permanent safety shower available for the work, if necessary?
- Have the tailboard and Work Order review been completed?
- Has the work area been inspected for any other hazards?
- Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards.

Section C:

Precautions–See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP])(all questions must be answered for all tasks) Yes-Y No-N Not Applicable-N/A

- Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan).
- Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).
- Safe Lifting–Material Handling (APM 160).
- Lights (APM 118).
- Booms, Ladders, & Lifts (APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).
- Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).
- Safety Straps, Lifelines, Railings (APM 132).
- Safe Support and Scaffolds (APM 135).
- Portable Ladders (APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.
- Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).
- Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical Safety).
- Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).
- Qualified Electrical Workers(APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).
- Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE–Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A



Midway Sunset Work Order

- _____ Hard hat.
- _____ EH rated leather boots.
- _____ EH rated rubber boots.
- _____ Safety glasses (protects eyes from flying debris).
- _____ Goggles (protects eyes from liquids and flying debris).
- _____ Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).
- _____ Face shield (protects face only).
- _____ FR/AR rated clothing.
- _____ Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).
- _____ Arc flash helmet (Class 2) and Balaclava; (PO-MW-A-008, Electrical Safety).
- _____ Arc flash hood(Class 3); (PO-MW-A-008, Electrical Safety).
- _____ Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).
- _____ Class 0 rubber electrical gloves (1,000 V); (PO-MW-A-008, Electrical Safety).
- _____ Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).
- _____ Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Chromium. Hepa Filter Vacuum.
- _____ Fall protection.
- _____ Leather gloves.
- _____ High-temp gloves.
- _____ Rubber chemical gloves.
- _____ Chemical rain suit.
- _____ Tyvek suit.

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- _____ Have personal grounds been removed?
- _____ Have tags (and locks) been removed?
- _____ Has housekeeping been addressed?
- _____ Has pre-start up inspection been done?
- _____ Has the work been completed?

List the personnel involved in this JSA:

INSP-QTR GEN LEAD LN	Quarterly Generator Lead Line Inspection	0.00	6/11/2025 1:31:50 PM
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Details: _____ Refer to operating instruction mw-06-101. INSPECTIONS

_____ When inspecting the Midway Sunset 230 kV line, Attachment I of MW-06-101 will be completed by the personnel performing the inspection.

_____ Documentation of equipment will include hardware, braces, x-arms, poles (A, B, &C), guys, and anchors. Additional remarks will be recorded on the last page of Attachment 1.

_____ Each guy wire is to be checked for tautness. Anchors are to be inspected for erosion of soil, movement of the anchor rod, or the possibility that the anchor rod has pulled loose. Each pole is to be inspected for alignment with other poles in the structure, and for alignment with the structures on either side. The base of the pole is to be inspected for movement of the



Midway Sunset Work Order

pole and for possible erosion of soil. Damage from fire, machinery, or natural forces are to be noted. Any cracks of over 1/2" wide and to a depth of more than one third of the pole diameter should be noted. Special attention is required for any pole experiencing a spiral crack that completely encircles the pole within a 20 foot section.

_____ Inspect all guy anchor to PVC seals, should a seal be compromised perform the following:
Remove old sealant with a screw driver and putty knife (do not damage the corrosion coating

on the guy anchor rod)
Apply new seal using VISCOTAQ.
shape to allow water to

Clean area with a rag so no dirt or loose material is left.
Insure to seal 1 1/2" below top of PVC and finish top with a dome

run off.

_____ All hardware is to be inspected for loose or missing nuts/washers. Air gaps in the spring washers are to be estimated for width and noted for comparison on following inspections. The heavy end of a spring washer turned to the ground indicates that the hardware has loosened to the point that there is no longer tension in the spring washer and repairs should be made as soon as possible.

_____ The insulators are to be inspected for signs of surface tracking, or physical damage. The conductor shoes are to be inspected specifically for missing nuts and stress cracks.

_____ The crossarms and braces are to be inspected for physical integrity. Any separation of the lamination on the crossarms is to be noted.

_____ At each structure, the area will be inspected for build-up of debris; such as grass, brush, or other refuse which can be a fire hazard. Per California Administrative Code (CAC) Title 14, Section 1250 through 1258, debris will be removed within 10 feet of the outer circumference of the structure.

_____ The route of the transmission line crosses environmentally sensitive areas. Care should be taken not to disturb the habitat of endangered species. Maintain vehicles on roads at all times.

_____ Damage to the following biologically sensitive plants should be avoided when working along or inspecting the transmission line: White Delphinium, found on the north face of the hills in



Midway Sunset Work Order

the first seven miles; Hoovers Woolly Star, found in the flats between structure 11-7 and the California Aqueduct; Miniature California Poppy, found in the hills between structures 2-1 and 4-1.

_____ Damage to the habitat of the San Joaquin Kit Fox, Giant Kangaroo Rat, California Ground Squirrel, and Blunt Nosed Lizard must be avoided. Also, take care not to disturb any active Raptor, Crow, or Raven nests. Please view the Transmission Line Vibration tape for additional information.

_____ Report of fire prevention inspection and clean up report sent to CEC in April.

_____ Distribution:

- 1 - California Energy Commision
- 1 - Plant Manager
- 1 - Maintenance Supervisor
- 1 - Compliance Manager
- 1 - File

Total Est. Down Hours: 0.00

Completion Information:

Date: _____	Emp In _____	Hours: _____
Date: _____	Emp In _____	Hours: _____

Work Order Comments

Added By Date



Midway Sunset Work Order

system

3/31/2025 9:31:28 A

5/20/25 CR

Tailboarded task with control room operator and obtained the necessary authorizations to commence work. WO, JSA and Memo 4367 reviewed. Discussed area awareness, endangered species, and uneven walking surfaces. H2S meter #5 was bump tested and passed. Inspected the Generator Lead Line from plant to Midway Substation in Buttonwillow.

New Issues listed below:

1-3 Missing numbers on both poles

3-2 Birds nest above B Phase

3-5 Birds nest above A Pole

4-3 Missing numbers on B pole

5-6 Missing numbers on B pole

5-7 Missing numbers on B pole

6-4 Missing numbers on B pole

6-5 Birds nest over B pole

6-6 Missing numbers on B pole

7-1 Missing numbers on B pole

8-2 Missing numbers on B pole

8-3 Missing numbers on B pole

12-3 Birds nest over B phase

15-6 Missing numbers on B pole

17-7 Birds nest over B phase

19-1 Missing numbers on B pole

Removed:

4-3 Bird nest over B phase

5-5 Bird nest at B pole

6-2 Bird nest at pole B

Printed Date:

1/21/2026 11:30:13 AM

Report ID: 1813

Page 6 OF 6



Midway Sunset Work Order

9-3 Start of a bird nest over center phase

9-4 Bird nest over B phase

13-1 Bird nest starting over B phase

18-5 Start of a bird nest over C phase

Trees in orchards were less than 16' tall and there was no encroachment of the line. Updated report and saved in L:/Transmission Line Inspections/2025 GLL Inspections/2025 2nd Quarter Inspection WO 164925

MSCC JOB SAFETY ANALYSIS (JSA)

(pg 1 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program) (mark the appropriate selection with an X).

X Approval Clearance Permission

Date: 5/20/2025

Enter Work Order Number: 164925 OR Project ID Number: _____

Job Scope Description: Generator Lead Line Inspection

Section B:

Three way communication is to be used at all times:

Pre-authorization checklist (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

N/A Have appropriate SDSs been obtained and reviewed?

N Is the equipment de-energized?

N/A Is the equipment depressurized?

N/A Is the equipment drained?

N/A Have all valves been properly closed, blinded, tagged, (and locked)?



Midway Sunset Work Order

- N/A Is the instrumentation tubing disconnected, depressurized, and capped?
N/A Has equipment been steamed or flushed?
N/A Has equipment been purged? If yes, how?
Y Is equipment free of toxic, corrosive, or hazardous materials?
N/A Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.
N/A Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.
N/A Is the combustible gas test satisfactory (OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?
N/A Is a fire watch required and assigned?
N/A Have potentially affected drains been covered?
Y Has appropriate personal protective equipment (PPE) been assigned (See Section D)?
Y Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?
N/A Are personal grounds necessary?
N/A Is a Confined Space Permit (PO-MW-A-005, Confined Space Program) necessary? If so, ensure that it is implemented.
N/A Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.
N Are barricades necessary? If so, list types and locations <font (APM 130).
N Are other pre-authorizations necessary? If so, provide a list.
N/A Is there a permanent or portable eyewash station available for the work, if necessary?
N/A Is there a permanent safety shower available for the work, if necessary?
Y Have the tailboard and Work Order review been completed?
N Has the work area been inspected for any other hazards?
Y Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards. Refer to Memo 4367 Off-Site Hazards/Off-Site Work Authorization - 2011

ATTACHMENT 1

MSCC JOB SAFETY ANALYSIS (JSA) (pg 2 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section C:

Precautions—See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP])

(all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- Y Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan).
N Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).
N/A Safe Lifting—Material Handling (APM 160).
N Lights (APM 118).

N/A Booms, Ladders, & Lifts <font



Midway Sunset Work Order

size=1>(APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).

N/A Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).

N/A Safety Straps, Lifelines, Railings (APM 132).

N/A Safe Support and Scaffolds (APM 135).

N/A Portable Ladders (APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.

N/A Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).

Y Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical Safety).

Y Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).

N/A Qualified Electrical Workers (APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).

N/A Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE–Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions

(all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

Y Hard hat.

Y EH rated leather boots.

N/A EH rated rubber boots.

Y Safety glasses (protects eyes from flying debris).

N/A Goggles (protects eyes from liquids and flying debris).

N/A Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).

N/A Face shield (protects face only).

Y FR/AR rated clothing.

N Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).

N/A Arc flash helmet (Class 2) and Balaclava;

(PO-MW-A-008, Electrical Safety).

N/A Arc flash hood (Class 3); (PO-MW-A-008, Electrical Safety).

N/A Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).

N/A Class 0 rubber electrical gloves (<1,000 V); (PO-MW-A-008, Electrical Safety).

N/A Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).

N/A Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Chromium. Hepa Filter Vacuum.

N/A Fall protection.

Y Leather gloves.

N/A High-temp gloves.

N/A Rubber chemical gloves.

N/A Chemical rain suit.

N/A Tyvek suit.

Y Personal H2S Monitor for Offsite work.

Y_ Snake Chaps for Offsite Hiking\Walking. 

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A



Midway Sunset Work Order

- N/A Have personal grounds been removed?
- N/A Have tags (and locks) been removed?
- N/A Has housekeeping been addressed?
- N/A Has pre-start up inspection been done?
- Y Has the work been completed?

List the personnel involved in this JSA: CR JAM

Filter:
pkey = 150702

Appendix D

3rd Quarter Transmission Line Inspection

MIDWAY SUNSET INSPECTION REPORT

Inspection Date: 9/17/2025 WO#: 166060

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
1-1	9 new anchors installed 8/2015	N/A	5 CGP	(5) Guys not attached to cow guard poles in pasture land.
			5 D	Daylight between pole and pole eye plates - several dead end attachment items are loose (show daylight), but secure. These are a result of pole shrinkage over the years
			5 D	Daylight between south guy attachment and pole and pole eye plates - up to 1/4"-3/4"
			5 HVS	HVS missing or needs replacing (3)
			2 RP	B pole split at phase position and eye plate is pulling through structure, potential anti-split bolts to close the split as a temp fix
			4 PG	Grounding at C phase hardware pulled out
			3 LG	(3) Loose guy wires on the northside of the three pole structure backing up the phases.
			0 RL	Range land;
1-2	OK	COND AND EHS BOTH - AH and BK	5 CR	Spiral crack, A & C poles full length
			5 CR	C pole horizontal insulator hardware bolt in crack
			5 HVS	HVS missing or needs replacing (2)
			5 GG	Guy guards missing need replacing due to uv damage
			4 CK	Turnbuckle on pole C has a cotter key halfway out
			3 LG	(1) Bisecting guy wire supporting the static needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
			4 S	Pole grounds need staples replaced on all three poles
			0 RL	Range land;
1-3	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on B phase center bottom V brace
			5 HVS	HVS missing or needs replacing (1)
			4 PG	Pole ground loose Pole B
			5 SWTD	Spring Washer turned down on lower X brace B pole
			1 MN	Missing numbers on both poles
			5 S	A and B pole ground wire need additional staples.
			0 RL	Range land;
			4 LN	(1) 1/2" bolt backed out 3/8" under center bottom V brace and top V brace at A pole
1-4	N/A	N/A	5 D	Daylight between Knee brace and A & B poles (less than 1/4")
			5 D	Daylight between top of X brace and A pole (less than 3/8")
			4 BW	End of bird wire loose above A phase
			5 XB	X-braces starting to de-laminate.
			4 LN	Loose bolt top knee pole A
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land;
			5 S	Ground wire staples on A pole coming out in several places
1-5	N/A	COND AND EHS BOTH - AH and BK	4 BW	Loose bird wire over B and C phase
			5 CR	A & B pole shield wires kicked BOL hard on static bar and. C phase AOL
			0 RL	Range land;
			5 SWTD	Spring Washer turned down on upper X brace A pole
1-6	N/A	N/A	5 XB	X-braces starting to de-laminate.
			0 RL	Range land;
			4 BW	Bird wire coming loose above A phase
1-7	N/A	COND AND EHS BOTH - AH and BK	5 CR	Crack in A pole is up to 1" wide 10' up
			5 D	Daylight at C phase V brace @ pole 1/8" gap
			5 D	Daylight at bottom of X brace at both A and B pole (<1/8")
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land;
			5 CR	A & C pole split at shield wire hardware attachment
1-8	7 new anchors installed 8/2015	N/A	5 S	Ground wire staples in various places coming out on A, B, C poles
			5 D	Daylight between pole eye plate and pole on A, B, C poles (1/4" to 1/2")
			5 HVS	HVS missing or needs replacing (3)
			5 GG	Guy Guards missing (3) Replcae remaining due to uv damage
			4 LN	C phase suspension shoe has loose nut
			4 CGP	2 Cattle rub poles broken off
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
2-1	N/A	COND AND EHS BOTH - AH and BK	5 CR	Bottom X brace hardware in crack
			4 MN	Missing (1) 1/2" nut on bottom Knee brace on pole A
			5 GW	Ground wire (normally above pole tops) bent down below top of pole
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Bottom of the V brace has a bolt backing out and on upper V-brace at pole B
			4 BW	Loose bird wire over B phase
			5 S	Ground wire staples on A and B poles missing in upper portion of pole
			0 RL	Range land;
2-2	N/A	N/A	4 MN	Missing (1) 1/2" nut and (1) 1/2" lock nut on X bracing center clamp
			4 LN	A pole top X brace - loose bolt backed out 1/2"
			5 S	Ground wire staples on B pole coming out above cross arm
			5 D	Daylight between B pole and bottom X brace attachment (1/8")
			5 S	A pole top ground wire loose from top of pole
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land;
			2-3	N/A
5 S	Ground wire staples in several places on B pole bottom are backing out			
5 GW	Ground wire (normally above pole tops) bent down below top of pole			
5 D	Daylight between A pole and upper X brace (1/8")			
5 HVS	HVS missing or needs replacing (2)			
5 BW	Bird wire hanging over C phase			
4 BW	Bird wire end loose above B pole and hanging down			
0 RL	Range land;			
2-4	N/A	N/A	5 D	Daylight between B pole and bottom X brace (1/8")
			4 BW	Bird wire end loose above B phase, but not hanging down
			5 CR	Minor cracking in various places going up A & B poles
			4 EHS	East static shoe pulled AOL 2"
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land;
2-5	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 5/8" nut above C phase inside crossarm; and Loose (1) 1/2" bolt backed out 1/8" upper outside V brace B pole
			4 EHS	A pole shield wire BOL (approx. 2")
			5 COND	A phase AOL 3-4" due to structure twist
			5 HVS	HVS missing or needs replacing (2)
			5 BGW	Bird guard has fallen off of knee brace
			0 RL	Range land;
2-6	2 new anchors installed 8/2015	N/A	4 LN	Loose (1) 1/2" bolt backed out 1/8" upper outside knee brace A pole
			5 D	Daylight between A pole and top outside V brace (1/8")
			5 D	Daylight between pole and guy wire brackets - up to 1/4"
			5 HVS	HVS missing or needs replacing (4)
			5 BW	Both Bird wires loose on V-brace
			6 GG	Missing Guy Guards
			1 CK	Cotter key pushed out on socket eye for C phase
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
2-7	8 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D	Daylight between pole eye plate and pole on guy attachment on A, B and C poles (up to 1/2")
			5 CGP	Cow guard pole is broken off (C pole) and needs to be replaced
			5 GG	Guy Guards missing (6) Replace remaining due to uv damage
			5 S	Ground wire on B & C poles loose in several areas
			5 HVS	HVS missing or needs replacing (2)
			4 WP	Wood pecker damage on pole C 15' above groundline
			3 LG	Loose guy wire at static that ties all three structures together. Bisecting guy wire supporting the static also needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
			1 CK	Cotter key half way out on fiberglass guy insulator for pole B
			0 RL	Range land.
			2-8	N/A
4 BGW	Missing ground wire on B pole in X-brace area - due to many staples missing			
5 D	Daylight between upper V brace on A and B poles			
5 CR	A & B pole crack at hardware			
5 CR	B pole upper X-brace HDW in cracks			
5 CR	B pole cracking full length 1/4" to 3/4" wide			
5 D	Daylight between A pole and bottom X brace (1/8")			
4 EHS	Both shield wires BOL 1"			
4 BW	Birdwire hanging over B phase on V brace			
4 BW	Birdwire hanging over C phase on knee brace			
4 S	Staples missing on A pole ground wire			
0 RL	Range land.			
3-1	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (2) 1/2" bolt upper V brace both A and B poles (backed out heads)
			5 HVS	HVS missing or needs replacing (4)
			0 IP	Inproper pin used on static shoe on pole B. It is long giving the appearance it is falling out.
			4 BW	Bird wire end loose on both knee braces
			0 RL	Range land.
3-2	N/A	N/A	5 CR	B pole vertical cracking full length 4-6 ft.
			5 COND	A phase Cond AOL 3"
			5 EHS	Static A pole BOL 1/2"
			5 SWTD	Spring Washer turned down on bottom X brace A pole
			5 HVS	HVS missing or needs replacing (2)
			4 BW	Birdwire hanging over B phase on V brace
			5 SWTD	Spring washer turned down on the bottom X brace B pole
			4 LN	Loose nut lower X brace on pole A
			5 BN	Birds nest over center phase
			0 RL	Range land.
3-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment (up to 1/4")
			5 D	Daylight between top V brace and B Pole
			5 D	Daylight between B pole and V brace - up to 1/4"
			5 D	Daylight between B pole and upper V Brace - up to 1/4"
			5 CR	A and B poles have splits
			5 HVS	HVS missing or needs replacing (4)
			5 D	Daylight between knee brace and pole A
			4 LB	Loose bolt bottom knee C phase
			5 BGW	Bird guard missing over A phase
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
3-4	N/A	N/A	5 D Daylight between bottom X brace and A pole - up to 1/8"				
			5 CR A and B poles have splits				
			4 BW Bird wire loose above A phase				
			5 CR B pole shield wire brace bolt in crack				
			4 BW Bird wire missing over C phase				
			5 HVS HVS missing or needs replacing (4)				
			0 RL Range land.				
3-5	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole X brace hardware bolt in crack				
			5 CR A & B pole minor cracks				
			5 D Daylight between A pole and bottom X brace				
			5 D Daylight between B pole and upper X brace				
			5 HVS HVS missing or needs replacing (3)				
			5 D Daylight between the knee brace and pole A				
			4 BW No bird wire on structure				
			5 BN Birds Nest over A Pole				
						0 RL Range land.	
						5 CR At top of A pole where static rail attaches, there is a big crack on both sides of pole - no concern at this time. (repair would be 12" or 14" anti split bolt with 4"x4" curved washers, spring washers, # 6 copper for bonding, below rail).	
3-6	2 new anchors installed 8/2015	N/A	4 BW Bird wire coming loose above C phase				
			4 LN Loose (1) 1/2" nut on V brace to B pole				
			5 CR A pole lower X-brace hardware bolt in crack				
			5 S B pole ground wire staples gone 2/3 ways up pull, 10' loose				
			5 D Daylight between B pole and lower X brace attachment				
			4 BW Bird wire hanging off Knee brace over C phase				
			5 GG Guy guards missing				
			5 HVS HVS missing or needs replacing (4)				
						0 RL Range land.	
						5 D Daylight between A pole and lower X brace attachment	
3-7	N/A	COND AND EHS BOTH - AH and BK	4 BW Bird wire B phase loose				
						0 RL Range land.	
4-1	N/A	N/A	5 CR B pole X brace has vertical crack at hardware attachment				
			5 CR A & B poles minor cracking				
			5 CR X-brace hardware in several cracks				
			5 D Daylight between knee brace and B pole - up to 1/4" daylight				
			5 HVS HVS missing or needs replacing (1)				
			0 RL Range land.				
4-2	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole vertical crack from ground to X-brace				
			5 CR B pole crack ground up to 10'				
			5 CR A & B brace bolts are thru cracks				
			5 HVS HVS missing or needs replacing (2)				
			0 RL Range land.				
4-3	N/A	N/A	5 CR B pole - EHS attachment bolt in crack				
			4 BW Missing bird wire ends above A and C phases				
			5 HVS HVS missing or needs replacing (2)				
			4 S Pole B missing staples in pole ground about halfway up				
			1 MN Missing numbers on B pole				
			4 BW Bird wire hanging over B phase				
			0 RL Range land.				
4-4	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole, large crack, ground to 10' - up to 3/4" wide				
			5 D Daylight between A pole and lower X brace attachment				
			5 HVS HVS missing or needs replacing (1)				
						0 RL Range land.	
4-5	N/A	N/A	5 CR A- Pole vertical crack 20' up, 7" deep, 1/2" wide				
			4 BW Bird wire coming loose above B phase				
			4 GW Ground wire pole B missing staples				
			5 D Daylight between A pole and bottom X brace attachment - up to 1/8"				
			5 HVS HVS missing or needs replacing (1)				
						0 RL Range land.	
4-6	N/A	COND AND EHS BOTH - AH and BK	5 CR B pole vertical cracking to 20' - first 8' up to 3/4" wide and up to 9" deep				
			4 BW Bird wire coming loose above C phase				
			5 CR Crack in B pole - ground to 9' - 1" wide up to 9" deep				
			5 HVS HVS missing or needs replacing (2)				
			5 SWTD Spring washer top of X brace at pole A turned down				
			4 BW Bird wire loose on knee brace over A phase				
						0 RL Range land.	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
5-1	N/A	N/A	5	M	Bike rack chained to base of B pole
			4	MN	Loose (1) 5/8" nut above C phase inside crossarm
			4	MN	Missing (1) 3/4 nut on crossarm above A phase - crossarm to phase bracket
			4	BW	Structure missing all bird wire
			5	HVS	HVS missing or needs replacing (1)
			0	RL	Range land;
5-2	N/A	COND AND EHS BOTH - AH and BK	5	CR	A pole spiral cracking - with conductor crossarm bolt in crack
			4	BW	Structure missing all bird wire
			5	HVS	HVS missing or needs replacing (1)
			5	S	B pole ground wire need additional staples.
			0	RL	Range land;
5-3	2 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5	CR	Top of B pole split at EHS attachment
			5	CR	Minor cracking entire length - B pole
			5	HVS	HVS missing or needs replacing (1)
			4	BW	Structure missing all bird wire
			5	GG	Replace guy guards due to uv damage
			0	RL	Range land;
5-4	N/A	COND AND EHS BOTH - Only BK	5	CR	A pole - vertical crack at crossarm bolt
			5	D	Daylight between A pole and V brace
			4	BW	Bird wire end hanging above B phase
			4	LN	Loose 1/2 inch nut bottom of knee brace over C Phase
			5	HVS	HVS missing or needs replacing (1)
			0	RL	Range land;
5-5	N/A	COND AND EHS BOTH - AH and BK	4	BW	Bird wire end loose on knee brace above C phase
			4	MN	Missing (1) 5/8" nut above A phase inside crossarm
			5	SWTD	B pole - top of lower X brace - spring washer turned down
			5	CR	B pole - lower X-brace - upper bolt in large crack
			5	CR	Vertical crack at X brace attachment
			4	MN	Missing 1/2 inch locknut on X-brace clamp.
			4	EHS	East static shoe pulled BOL
			4	LN	Loose nut upper X brace pole B
			0	RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
5-6	7 new anchors installed 8/2015	N/A	5 CR	B pole vertical cracking
			5 CR	Guy brace on C pole - bolt thru crack
			5 HVS	HVS missing or needs replacing (3)
			5 GG	Replace guy guards due to uv damage
			4 S	Loose ground wires about 10' to 20' on A & B poles
			1 MN	Missing numbers on B pole
			0 RL	Range land.
5-7	4 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5 M	SS hump back cotter key on socket clevis - B phase needs to be tapped in place next time crews are working on structure (this has been out since insulators were installed); and SS hump back key only half way in on yoke plate, same assembly
			5 D	Daylight between A pole and guy attachment hardware - up to 1/2"
			5 D	Daylight between B pole and guy attachment hardware - up to 1/4"
			5 CR	A pole spiral cracking
			5 CR	B pole vertical cracking
			5 GG	Replace guy guards due to UV damage
			5 HVS	HVS missing or needs replacing (2)
			1 MN	Missing numbers on B pole
			0 RL	Range land.
			5 D	Daylight between guy support and A Pole
6-1	N/A	N/A	COND	A & C phase insulators BOL 3-5"
			COND	A phase highest sag - B phase mid sag - C phase lowest sag
			5 HVS	HVS missing or needs replacing (1)
			3 EC	Pole A six feet from a steep embankmen, needs erosion control. This year is at 4 1/2'
			0 RL	Range land.
6-2	N/A	COND AND EHS BOTH - AH and BK	COND	A & C phase BOL 2-3"
			5 D	Daylight between A pole and upper X brace
			5 HVS	HVS missing or needs replacing (2)
			3 EC	Pole A ten feet from a steep embankmen, needs erosion control.
			5 D	Air gap at knee braces on poles A & B
			5 D	Daylight at lower X brace and pole B
			0 RL	Range land.
6-3	N/A	N/A	5 CR	A & B poles, minor spiral cracking
			5 CR	B pole shield wire hardware bolt in crack
			5 D	Daylight between B pole and bottom X brace
			5 CR	Crossarm bolting in spiral crack
			4 LB	Loose bolt bottom knee A phase
			5 HVS	HVS missing or needs replacing (2)
			0 RL	Range land.
6-4	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D	Daylight between pole and guy attachments
			5 HVS	HVS missing or needs replacing (1)
			2 CK	Cotter key halfway out where turnbuckle meets insulator on C phase
			1 MN	Missing numbers on B pole
			0 RL	Range land.
6-5			5 D	Daylight between A pole and knee brace - up to 1/4"
			5 CR	A & B poles minor cracking
			5 HVS	HVS missing or needs replacing (1)
			4 GW	Ground wire loose on pole B
			4 LB	Loose bolt top knee A phase
			5 XB	X-brace starting to de-laminate.
			5 BN	Birds nest over B pole
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
6-6	SEE NOTE	COND AND EHS BOTH - AH and BK	5	M	Guy pole bands on A and B poles slipped down pole initially - no movement over the past several years. No lags in pole bands to hold position with pole shrinkage. Pole bands are missing brackets and a through bolt to keep from sliding down poles.
			3	PB	Pole b missing staples in pole ground about halfway up
			1	OJ	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage
			5	GG	Missing (1) yellow guy guard - also guy guard post to attach guy wire to is broken off - should be replaced at some point in time
			5	S	A, B, & C ground wires pulled away from poles (up to 10')
			5	CR	A & C poles, minor vertical/spiral cracking
			5	D	Daylight between C pole and guying attachment - up to 1/2"
			5	HVS	HVS missing or needs replacing (1)
			5	GG	Replace guy guards due to uv damage
			1	OI	North A phase insulator has a torn shed
			1	MN	Missing numbers on B pole
			1	A	B pole south guy anchor has separated from disc WO 166991
			0	RL	Range land;
			COND		BOL sag off - B & C phase insulators AOL (A phase sag lowest - B phase middle sag - C phase sag highest)
			5	HVS	HVS missing or needs replacing (3)
			5	D	Daylight between B pole and lower X brace
			5	CR	Lower X-brace bolt through large crack
4	XB	X-brace starting to de-laminate.			
5	CR	Static shoe at pole A AOL 1 1/2"			
4	BW	Loose bird wire on knee brace above C phase			
1	MN	Missing numbers on B pole			
0	RL	Range land;			
7-1	N/A	N/A	5	D	Daylight between A pole and bottom X brace
			5	CR	Vertical cracking A & B pole
			5	HVS	HVS missing or needs replacing (2)
0	RL	Range land;			
7-2	N/A	COND AND EHS BOTH - AH and BK	COND		B & C phase insulators AOL - 2"
			5	D	Daylight between B pole and V brace
			5	SWTD	A pole - top of X brace - spring washer turned down
5	S	Staples on B pole coming out - 2/3 pole length			
5	HVS	HVS missing or needs replacing (1)			
0	RL	Range land;			
7-3	N/A	N/A	5	CR	B pole top is splitting, spiral cracking on A pole
			5	SWTD	B pole - bottom of X brace - spring washer turned down
			5	HVS	HVS missing or needs replacing (2)
5	XB	X-brace starting to de-laminate.			
4	LB	Loose bolt top V pole A			
5	PN	Pole A missing numbers			
0	RL	Range land;			
7-4	N/A	COND AND EHS BOTH - AH and BK	4	LN	Loose (1) 1/2" nut on bottom outside knee brace above C phase
			4	LN	Loose (1) 1/2" nut on bottom center phase V brace
			4	MN	Missing (1) 1/2" nut on bottom center phase V brace
5	D	Daylight between A pole and V brace			
5	D	Daylight between A pole and upper X brace			
5	CR	A & B poles minor cracking			
5	S	Staples on B pole coming out - 2/3 pole length			
0	RL	Range land;			
7-5	N/A	N/A	5	D	Daylight between top X bracing and B pole - up to 3/8"
			4	LN	Loose (1) 1/2" nut on center bottom V brace
			5	HVS	HVS missing or needs replacing (2)
5	LB	Loose bolt on the bottom X brace at pole B			
4	LN	Loose nut lower knee brace A phase			
4	LB	Loose bolt lower knee brace A phase			
0	RL	Range land;			
7-6	N/A	COND AND EHS BOTH - AH and BK	4	LN	Loose (1) 1/2" nut on bottom knee brace - above A phase

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
7-7	N/A	N/A	5 CR	Spiral cracking B pole at bottom of X-brace
			4 XB	X-brace starting to de-laminate
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land
7-8	N/A	COND AND EHS BOTH - AH and BK	5 CR	B pole shield wire bolt in crack
			5 CR	Spiral cracking middle of B pole
			4 LN	Loose nut bottom X brace on pole B
			4 LB	2 Loose bolts upper knee brace A phase
			0 RL	Range land
8-1	N/A	OK	4 MN	Missing (1) 1/2" nut on bottom center V brace, and loose (1) 1/2" nut on bottom center V-brace
			5 CR	B pole crack at X brace attachment bolt
			5 CR	A & B pole spiral cracking
			4 LB	Loose bolt lower knee braces over A phase
			0 RL	Range land
8-2	7 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 S	Loose staples on A, B and C poles
			5 D	Daylight between guy / conductor attachment on A & B pole - up to 1/2" at top for guy; and up to 1" for conductor
			5 D	Daylight between guy / conductor attachment on B pole - up to 3/8"
			5 CR	B & C phase insulator hardware bolts are in or next to vertical cracks
			5 CR	A and B pole shield wire hardware bolts in cracks
			5 HVS	HVS missing or needs replacing (4)
			5 GG	Replace guy guards due to uv damage
			1 MN	Missing numbers on B pole
			0 RL	Range land
8-3	10 new anchors installed 8/2015	N/A	5 D	Daylight between grid gains on conductor attachment side, all poles - A & B phase up to 1/2"; C phase up to 1"
			1 OJI	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage
			5 HVS	HVS missing or needs replacing (1)
			1 CK	Cotter key on both shoes for A&B phases half way out
			1 CK	Cotter key halfway out on lower guy pole C
			5 GG	Replace guy guards due to uv damage
			1 OJI	Replace jumper insulators due to UV damage
			1 MN	Missing numbers on B pole
			0 RL	Range land
8-4	N/A	COND AND EHS BOTH - AH and BK	5 S	Missing staples on lower portion of A pole
			4 EHS	Shield wire attachments on both sides of structure pulled BOL up to 2"
			5 D	Daylight between A pole and bottom X brace - up to 1/8" gap
			5 HVS	HVS missing or needs replacing (2)
8-5	N/A	N/A	0 RL	Range land
			5 HVS	HVS missing or needs replacing (2)
			5 GG	Replace guy guards due to uv damage
			1 CK	Cotter key 1/2 out B phase
			4 S	Staples missing out of ground wires on both poles A & B
8-6	2 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	0 RL	Range land
			5 CR	A pole shield wire bolt in crack
			5 CR	Upper V-brace bolt at B pole in crack
			5 CR	B pole crack FROM ground to 10' up (6" deep X 1" wide)
			5 EHS	Static shoe at pole A BOL 1"
8-7	N/A	N/A	0 RL	Range land
			5 CR	A pole has crack 6" deep and 1" wide from ground level to 12' up
			4 MN	Missing (1) 1/2" nut on center bottom V brace
			4 LN	Loose nut upper X brace pole B
8-8	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	0 RL	Range land
			1 OI	Old style braced post insulator assemblies still in place - recommend change out to new insulators during next scheduled outage
			5 D	Daylight between C pole insulator plate, upper bolt head out 1/4" from plate
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work
			5 HVS	HVS missing or needs replacing (4)
5 GG	Guy guards need replacing due to uv damage			
0 RL	Range land			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
9-1	N/A	N/A	5 CR	A pole vertical split from ground to 30' - at 10', 1-1/2" wide crack up to 9" deep
			5 D	Daylight between A and B poles lower X brace attachment - up to 1/8"
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land.
9-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"
			5 CR	B pole cracked at upper hardware
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road (BOL) then on ROW
			5 EHS	Static shoe on B pole BOL 1 1/2"
			5 D	Daylight showing on the knees & Vs at poles A & B
			4 LB	Loose bolt knee brace on poleA
			0 RL	Range land.
9-3	N/A	N/A	5 BW	Missing bird wire above C phase.
			5 M	Distribution line approx. 20 ft BOL from structure
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road then on ROW
			4 LB	Loose bolt upper X brace on pole B
			0 RL	Range land.
9-3.5	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 1/2" nut on bottom center V bracing - above crossarm
			5 D	Daylight between B pole and bottom X brace attachment - up to 1/8"
			EHS	B pole shield wire AOL 2"
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (4)
			4 S	Staples missing on pole ground for pole B
			4 BW	No bird wire on structure
0 RL	Range land.			
9-4	N/A	N/A	5 D	Daylight between A pole and V brace
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (2)
			3 EHS	Both static shoes kicked BOL 1 1/2"
			4 BW	No bird wire on structure
0 RL	Range land.			
9-5	N/A	COND AND EHS BOTH - AH and BK	EHS	Shield wire on B pole pulled BOL approx. 1"
			4 MN	Missing (1) 1/2" nut and loose (1) 1/2" nut on bottom center V brace
			5 CR	B pole split 10' x 1/2" x 6" depth
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (1)
			4 S	Missing staples for ground wire Pole B
			4 LB	Loose 1/2 bolt in the upper X-brace pole B
			4 BW	No bird wire on structure
0 RL	Range land.			
9-6	N/A	N/A	1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			M	Distribution line approx. 12 ft BOL from structure
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			0 RL	Range land.
9-7	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom center V brace
			4 MN	Missing (1) 1/2" nut on bottom outside Knee brace on A phase, and (1) 1/2" bolt head backed out a bit
			M	New road past structure to well site - AOL
			5 HVS	HVS missing or needs replacing (4)
				Spiral on static touching shoe
			4 BW	No bird wire on structure
0 RL	Range land.			
10-1	9 new anchors installed 8/2015	COND AH - no EHS	M	New C pole installed fall of 2014
			5 D	Daylight between pole and gain plates and hardware (3 places) for conductor attachment to eyebolts on AOL side
			5 CR	B & C starting to develop a split
			2 GG	Missing (8) guy guards
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
0 RL	Range land.			
10-2	N/A	N/A	4 LN	Missing (1) 1/2" nut on bottom center V brace
			4 LN	Loose (2) 1/2" nuts on bottom outside V brace above C phase
			5 CR	A pole 3/4" - 1" crack ground to 15'
			5 D	Daylight between B pole and bottom X brace
			5 D	Daylight between B pole and upper V brace

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
			5 HVS HVS missing or needs replacing (2)	
			4 BW No bird wire on structure	
			0 RL Range land;	
10-3	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut on bottom center V brace	
			4 LN Loose (1) 1/2" nut on bottom X brace to B pole	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			0 RL Range land;	
10-4	N/A	N/A	4 LN Loose (1) 1/2" nut on bottom outside knee brace on C phase	
			5 M Minor shotgun damage on both poles	
			5 SWTD A pole - bottom X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			0 RL Range land;	
10-5	N/A	COND AND EHS BOTH - AH and BK	5 EHS East shield wires pulled AOL approx. 1"	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			4 LB Loose bolt upper X brace at pole B	
			0 RL Range land;	
10-6	N/A	N/A	4 MN Missing (2) 1/2" nuts and (1) loose 1/2" nut on bottom center V bracing	
			5 D Daylight between upper V brace and A pole	
			5 SWTD B pole - top X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			0 RL Range land;	
10-7	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut on upper X brace A pole and bolt has backed out 1/8"	
			5 D Daylight between bottom X bracing and V bracing and pole, on A pole side - less than 1/4"	
			5 D Daylight between B pole and upper V braced V bracing and pole, on A pole side - less than 1/4"	
			5 EHS B pole shield wire pulled AOL approx. 1"; and A pole shield wire pulled BOL approx. 1"	
			5 CR Crack on B pole @ upper X brace	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			0 RL Range land;	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
10-8	N/A	N/A	5 D	Daylight between upper V brace and A and B poles - up to 1/4"			
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"			
			3 EHS	A pole shield wire pulled BOL up to 2"			
			4 MN	Missing (2) 1/2" nuts - 1 on bottom knee brace - A and C phase			
			5 HVS	HVS missing or needs replacing (3)			
			4 BW	No bird wire on structure			
			0 RL	Range land;			
11-1	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 1/2" nut on bottom center V brace			
			5 D	Daylight between A pole and upper V brace			
			5 CR	Crack on A pole - 5' up 4' long - 1" wide x 4" deep			
			5 HVS	HVS missing or needs replacing (3)			
			4 BW	No bird wire on structure			
			0 RL	Range land;			
			11-2	N/A	N/A	5 CR	Big crack through pole at crossarm attachment on B pole (repair would be install 14" or 16" anti split bolts with 4"x4" curved washers, spring washers, # 6 copper for bonding)
5 D	Daylight between upper V brace and A pole						
5 SWTD	B pole - top X brace - spring washer turned down						
5 HVS	HVS missing or needs replacing (4)						
4 BW	No bird wire on structure						
3 MB	(2)Missing bolt upper X brace pole A						
0 RL	Range land;						
11-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between bottom of upper X bracing and bottom of lower X bracing on both A and B poles - less than 1/4"			
			5 CR	A pole has crack 7/8" wide x 4" deep near bottom of pole			
			5 HVS	HVS missing or needs replacing (2)			
			5 D	Daylight showing on knee brace at pole B			
			4 BW	No bird wire on structure			
			4 LB	Loose bolt V brace pole B			
			0 RL	Range land;			
11-4	N/A	N/A	5 S	Loose ground wire B pole - 15' up			
			5 CR	Crack on B pole - 3/4" wide from 5' to 20' up pole			
			5 HVS	HVS missing or needs replacing (4)			
			4 BW	No bird wire on structure			
			0 RL	Range land;			
			11-5	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between upper outside knee bracing and B pole - up to 1/4"
						5 D	Daylight between lower X brace and B pole
5 D	Daylight between B pole and bottom of upper X brace attachment - up to 1/8"						
5 SWTD	B pole - top X brace - spring washer turned down						
5 HVS	HVS missing or needs replacing (4)						
4 BW	No bird wire on structure						
5 XB	Both slots of X braces de-laminating						
4 LB	Loose bolt V brace over B phase						
4 LB	Loose bolt knee brace over C phase						
0 RL	Range land;						
11-6	N/A	COND AND EHS BOTH - AH ONLY	4 MN	Missing (1) 1/2" nut on bottom center V brace			
			4 MN	Missing (1) 1/2" lock nut on X bracing center clamp			
			5 S	A pole ground wire loose 10' up pole			
			5 HVS	HVS missing or needs replacing (4)			
			4 LB	Upper X brace 1/2 bolt loose on pole B			
			4 BW	No bird wire on structure			
			4 LB	Loose bolt knee brace over A phase			
11-7	N/A	N/A	4 LN	Loose (1) 1/2" bolt on bottom center V brace pole B - head backed out 1/16"			
			5 HVS	HVS missing or needs replacing (4)			
			4 BW	No bird wire on structure			
			0 RL	Range land;			
			5 D	Daylight between upper outside V bracing and a Pole - up to 1/4"			
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
12-1	N/A	COND AND EHS BOTH - AH and BK	5 CR	Crack on B pole along bottom X brace, continue to monitor
			5 HVS	HVS missing or needs replacing (4)
			5 SWTD	Spring washer turned down lower X brace A pole
			4 BW	No bird wire on structure
			4 LB	2 Loose bolts upper V brace at poles A & B
			0 RL	Range land;
12-2	N/A	N/A	1 MN	Missing (1) 1/2" nut, (1) 1/2" lock nut and loose 1/2" lock nut on upper X bracing center clamp
			5 MN	Missing 1/2 lock nut on lower X brace clamp
			5 SWTD	Spring washer turned down on upper X brace pole B
			5 D	Daylight between upper V brace and B pole - up to 1/2"
			5 D	Daylight between bottom X bracing and A and B poles
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
			4 LB	Loose bolt upper knee brace pole A
			0 RL	Range land;
			0 RL	Range land;
12-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and upper X brace attachment, and between B pole and lower X brace attachment (up to 1/8")
			5 CR	Crack on A pole from ground to 18' up
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			5 BN	Birds nest over B Phase
			0 RL	Range land;
12-4	N/A	N/A	4 LN	Loose 1/2" bolt on upper X brace on A pole (head backed out 1/8")
			5 D	Daylight between B pole and lower X brace attachment
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			4 LB	Bolt falling out
			4 LB	Loose bolt upper knee brace pole B
			0 RL	Range land;
12-5	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut - bolt backed out 1/2" on upper knee brace B pole
			5 CR	A pole crack 5' to 7' up, 7"+ deep
			4 MN	Missing (1) 1/2" locknut on X brace center clamp
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land;
			0 RL	Range land;
12-6	N/A	N/A	5 D	Daylight between upper V brace and A pole - up to 1/4 -1/2"
			5 D	Daylight between bottom X brace A and B poles - up to 1/4"
			4 LN	Loose (1) 1/2" nut on bottom X brace B pole
			5 CR	Crack in A pole at bottom X brace - 1/2 to 3/4 wide
			5 HVS	HVS missing or needs replacing (2)
			4 LB	Loose bolt upper V brace at pole B
			0 RL	Range land;
12-7	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between bottom X brace and A pole
			5 CR	Crack in B pole in area from crossarm to V brace, spiral bolt to bolt
			5 SWTD	B pole - top X brace - spring washer turned down
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose 1/2 bolt upper V brace at pole B
			4 BW	Loose bird wire over C phase
			4 LB	2 Loose bolts upper X brace pole A
			0 RL	Range land;
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
13-1	N/A	N/A	5 D	Daylight between top V bracing and A pole - less than 1/4"			
			5 D	Daylight between B pole and bottom X brace attachment - up to 1/8"			
			5 HVS	HVS missing or needs replacing (4)			
			4 LB	Loose bolt upper V brace at pole A			
			0 RL	Range land;			
	13-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A and B poles X brace bottom		
				5 D	Daylight between A pole and V brace - up to 1/4"		
				5 CR	Crack on B pole from bottom to 30' up -1" wide x 4" deep		
				5 HVS	HVS missing or needs replacing (3)		
				4 LB	Loose bolt knee brace above A phase		
13-3	N/A	N/A	5 D	Daylight between bottom of X bracing and A and B poles - up to 1/8"			
			M	Ecological Preserve signs along road			
			5 HVS	HVS missing or needs replacing (3)			
			5 D	Daylight between the knee & V braces.			
			1 CK	Cotter key pushed out on socket-eye for center phase shoe, loose nuts on shoe			
			4 LB	Loose bolt V brace above B phase			
			0 RL	Range land;			
			13-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
						5 D	Daylight between the knee & V braces.
						0 RL	Range land;
0 RL	Range land;						
13-5	N/A	N/A	5 CR	Crack in pole (6" deep x 1" wide in different planes) from near ground line to approx. 12' up + crack from 20' to 40' up - up to 1"			
			5 HVS	HVS missing or needs replacing (3)			
			0 RL	Range land;			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
13-6	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper V brace at pole B
			0	RL Range land.
13-7	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	HVS HVS missing or needs replacing (2)
			4	LN Loose (1) 1/2" nut -bottom X brace, A pole
			0	RL Range land.
14-1	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR B-pole @ bottom x-brace, 8" crack, 1/2" wide
			5	S Loose ground wire on B pole from 8'
			5	CR A-pole ground to 12', crack, 7" deep
			4	LN Loose (1) 1/2" bolt - knee brace above A phase - head backed out up to 1/8"
			5	HVS HVS missing or needs replacing (1)
14-2	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR A pole spiral crack at X brace attachment
			5	CR B-pole spiral crack from ground to 10' up - up to 1" width
			5	D Daylight between upper V brace and A pole
			5	SWTD A pole - bottom X brace - spring washer turned down
			5	HVS HVS missing or needs replacing (2)
			4	LB Loose bolt upper V A pole
			4	LB Loose bolt upper knee pole B
			5	XB X brace de-laminating
			0	RL Range land.
14-3	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR A-pole vertical crack, 6" to top, up to 3/4" wide
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper knee brace on pole A
			4	LB Loose bolt upper knee brace pole B
14-4	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	D Daylight between bottom of X bracing and B pole - less than 1/4"
			5	D Daylight between A pole and V bracing - up to 1/8"
			5	CR Cracks on A and B poles near cross arm
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose bolt upper knee pole A
			4	LB Loose 1/2 bolt upper knee brace on pole B
14-5	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			1	MN Missing (1) 1/2" lock nut on bottom X bracing center clamp; and missing (1) 1/2" nut on same clamp. This should be corrected during next scheduled maintenance outage
			5	D Daylight between A pole and upper X brace
			5	SWTD Spring washer turned down on upper X brace pole B
			5	HVS HVS missing or needs replacing (2)
			1	GW Ground wire on poles A & B removed ground level up 10'
14-6	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack on B pole from ground to 35' up - up to 1" wide and 6" deep
			5	HVS HVS missing or needs replacing (3)
			5	XB Upper X brace Delamination
			4	LB Loose 1/2 bolt center of V brace
			0	RL Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
14-7	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5 CR	Crack on B pole from ground to 20' up - up to 4-8" deep
			4 LB	Loose bolt top V pole A
			5 HVS	HVS missing or needs replacing (2)
			0 RL	Range land;
15-1	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5 CR	Crack in B pole at top of X bracing - up to 1 1/2" crack at bolt
			5 CR	A pole twisted AOL - up to 2"; B pole twisted BOL - up to 2'
			5 D	Daylight between bottom X bracing and B pole
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose bolt upper knee brace pole B
			0 RL	Range land;
15-2	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5 CR	B pole has several cracks all the way down, with the largest ranging up to 7" deep and 1" wide
			5 D	Daylight between bottom X bracing and A and B poles - less than 1/4"
			5 CR	A pole crack from 7" to 15" x 3/4" wide
			5 CR	Static bar metal brace - B pole Split at bolt, B pole x-brace large split at hardware. Spiral cracking
			5 HVS	HVS missing or needs replacing (2)
			4 MN	Missing (1) 1/2" locknut and 1/2 nut loose on upper X bracing center clamp
			4 MN	Missing 1/2" nut on V-brace at center of the cross arm
			0 RL	Range land;
			5 CR	B pole bottom X bracing bolted into crack
15-3	N/A	N/A	5 HVS	HVS missing or needs replacing (3)
			5 CR	B-pole crack, ground to 20'
			5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt V brace over B phase
			0 RL	Range land;
			5 CR	B-pole crack, ground to 20'
15-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt top V pole A
			5 CR	B pole bottom X bracing bolted into crack
			0 RL	Range land;
			5 CR	A pole crack from near bottom to 30' up - up to 3/4" wide
15-5	SEE NOTE	N/A	3 MN	Lock nuts missing on guy plates for poles A, B and C
			4 CK	Cotton key pole C static yoke plate 1/2 way out
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land;
			5 CR	A pole has a vertical crack from ground up 20', up to 1" wide by 8" deep
15-6	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt upper knee brace at pole A
			1 MN	Missing numbers on B pole
			4 XB	X brace clamp fell off
			PT	Pistachio trees - saplings 5-6.5' tall
16-1	N/A	N/A	4 LN	Missing 2- 1/2" locknuts and 2- 1/2" nuts on Xbrace clamp
			5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on B pole 2' up
			PT	Pistachio trees - saplings 10' tall
16-2	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (4)
			5 SWTD	Spring washer turned down lower x brace B pole
			5 D	Daylight between knee brace and pole A
			4 LB	Loose bolt upper V brace at pole B
			PT	Pistachio trees - saplings 10' tall
16-3	N/A	N/A	5 HVS	HVS missing or needs replacing (4)
			PT	Pistachio trees - saplings 5-6.5' tall

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
16-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			5 LN	Loose 1/2" bolt on V brace at the arm
			4 GW	Wrong ground wire splice on A pole at the ground
			5 FED	Equipment damage to pole A 1/2" deep
			5 D	Daylight on knees & Vs at poles A & B
			4 BW	Bird wire loose over Cphase
		C	Cotton field	
16-5	N/A	N/A	5 M	Missing pole ID on pole B
			4 BGW	Broken ground wire on B pole
			5 D	Daylight between A pole and bottom X brace
			5 D	Daylight on knees & Vs at poles A & B
			4 LB	Loose bolt bottom knee A phase
			5 HVS	HVS missing or needs replacing (3)
		C	Cotton field	
16-6	N/A	COND AND EHS BOTH - AH and BK	FED	Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 HVS	HVS missing or needs replacing (2)
			4 GW	Loose ground wire on pole A
			C	Cotton field
16-7	N/A	N/A	5 D	Daylight between B pole and bottom X brace
			FED	Farm Equipment Damage - minor - A and B poles - less than 1" deep from 1' up to about 4-1/2' up
			5 HVS	HVS missing or needs replacing (3)
			3 PG	Broken ground wire from farm equipment damage 4 1/2' feet up on A&B poles
		C	Cotton field	
17-1	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (2)
			4 LB	Loose bolt top knee A pole
			3 GW	Broken ground wire 2' up on pole A
			C	Cotton field
17-2	N/A	N/A	5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt top knee A pole
			3 GW	Broken ground wire 2' up on pole A
			C	Cotton field
17-3	N/A	COND AND EHS BOTH - AH and BK	5 FED	Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose bolt upper V brace pole B
			C	Pistachio Trees - saplings 10' tall
17-4	2 new anchors installed 8/2015	N/A	5 FED	Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles
			5 HVS	HVS missing or needs replacing (3)
			4 BGW	Broken pole ground at ground level on pole A.
			4 LB	Loose bolt on the bottom X brace at pole A
			5 LB	Bolt backed out 3/8" on upper knee brace pole B
			4 G	Improper sleeve used to splice ground wire on B pole
			4 LB	Loose bolt upper knee A pole
			4 LB	Loose bolt upper knee brace pole B
			PT	Pistachio grove trees approaching (6-17 ft height - checked midspan clearance - midspan height of conductor is ~35'-6" (Been Cut)
17-5	N/A	COND AND EHS BOTH - AH and BK	5 FED	Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 FED	Farm equipment damage to pole B that is 3" deep
			5 CR	B pole has a crack from bottom to top of bottom X brace
			4 BGW	Broken ground wire on A pole
			5 HVS	HVS missing or needs replacing (2)
			C	Cotton field
17-6	N/A	N/A	EHS	A pole shield wire pulled AOL - up to 1"
			5 HVS	HVS missing or needs replacing (4)
			4 LB	2 Loose 1/2" bolt lower X braces on pole A & B
			4 LB	Loose bolt top V pole B
			4 LB	Loose bolt upper knee brace pole B
		C	Cotton field	
17-7	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom outside V brace above C phase
			5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on B pole
			5 BN	Birds nest over B phase
		C	Cotton field	
18-1	N/A	OK	5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on A pole
			C	Cotton field

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
18-2	N/A	COND AND EHS BOTH - AH and BK	5 FED	Farm Equipment damage - minor - A and B poles - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 D	Daylight between A pole and upper V brace
			5 SWTD	Spring washer turned down on lower X brace at pole B
			4 BGW	Broken ground wire on B pole
			5 HVS	HVS missing or needs replacing (4)
		C	Cotton field	
18-3	N/A	N/A		Bird nest
			C	Cotton field Steel Deadend
18-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			4 GW	Improper sleeve used to splice ground wire on B pole
			4 LB	Loose bolt upper X brace pole B
			4 XB	X brace is de-laminating
			C	Cotton field
18-5	N/A	N/A	4 BGW	Broken ground wire on B pole
			5 HVS	HVS missing or needs replacing (3)
			C	Cotton field
18-6	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt upper V brace pole B
			4 LB	Loose bolt lower X brace at pole B
			4 LB	Loose bolt top knee A pole
			4 BW	Bird wire loose over C phase
		C	Cotton field	
18-7	N/A	N/A	C	Cotton field
19-1	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and upper V brace
			5 FED	Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 HVS	HVS missing or needs replacing (3)
			4 LN	Loose nut upper knee brace pole B
			1 MN	Missing numbers on B pole
		PT	Pistachio grove trees approaching 16-17 ft height - checked midspan clearance - midspan height of conductor is ~37'-6"	
		MN	Missing (1) 1/2" nut - broken off bolt head on upper X brace on A pole side	
19-2	N/A	N/A	5 FED	Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1/2" deep section near bottom of pole
			4 LB	Loose 1/2 bolt upper V brace on pole B
			4 LB	Loose 1/2 bolt upper knee brace Pole A
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose bolt upper X brace pole A
		PT	Pistachio grove trees approaching 16-17 ft height (see comment for str 19-2)	
19-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between B pole and bottom X brace
			5 EHS	East shield wire pulled BOL up to 3"
			5 EHS	West shield wire pulled AOL up to 1"
			4 LB	Loose 1/2 bolt upper V brace on pole B
			5 HVS	HVS missing or needs replacing (4)
		4 LB	Loose bolt upper knee brace pole B	
		PT	Pistachio grove trees approaching 16-17 ft height (see comment for str 19-2)	
19-4	N/A	N/A	4 LN	2 Loose 1/2" nuts on center V bracing
			5 HVS	HVS missing or needs replacing (3)
			C	Tomato field
19-5	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole splitting starting at 6' approx. 1" wide x 8" deep
			5 HVS	HVS missing or needs replacing (3)
			5 XB	X-braces installed backwards.
			C	Watermelon field
19-6	N/A	N/A	5 HVS	HVS missing or needs replacing (3)
			5 EHS	Static wire on pole A BOL 1.5'
			4 LB	Loose bolt top knee pole A
			4 LB	Loose bolt upper knee brace pole B
			C	Watermelon field

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
19-7	N/A	COND AND EHS BOTH - AH and BK	M	Anchor bolt nuts tight and ground wire in place
			5 HVS	HVS missing on steel structures
			2 COND	Jumper terminals appear loose on Northwest jumper-Suggest having Heli crew get a better look at it on their yearly maintenance
			C	Watermark found
MSCC 0-3	N/A	N/A	2 COND	When MSCC 0-2 was replaced it raised the conductor on the North side of the str making the jumpers too short causing the construction crew to remove the jumpers on A phase, they left the insulators on B & C phases that are now slack and swinging in towards the str, Jumpers need to be lengthened and insulators on A phase installed
			5 MB	Missing a bolt on each of the 16 horizontal lacings at the bottom of the structure where they tie into the legs. One bolt in each one at the legs, this might be as designed.
			4 WI	Wash insulators per established washing schedule. Currently all insulators are fairly clean.
MSCC 0-2	N/A	N/A	STR	MSCC 0-2 Lattice str replaced with a taller 3 pole steel D.E. sstr
			4 CK	Cotter key 1/2 way out substation side C phase shoe
			RL	Range land - fenced yard at Midway substation
MSCC 0-1	N/A	N/A	L	Lattice structure - all members tightly fastened
			3 CD	After replacing structure MSCC 0-2 the old conductor was resagged at MSCC 0-1 due to height differential, the conductor that was under the bolted deadend shoe and shifted outside the shoe at MSCC 0-1 is severely deformed
			RL	Range land - fenced yard at Midway substation

The

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
MSCC Switchyard	N/A	N/A	4 CK	Cotter key on southeast dead end halfway out
			1 BN	2 Bird nests on A-frame
				South of switchyard area - next to road
MSCC Poles #0/1	N/A	N/A	5 HVS	HVS missing or needs replacing (6)
			5 D	Daylight between B pole and gain plates on station side (1/4" to 1/2")
			4 CK	Cotter pin for dead end shoe halfway out on C phase southside of structure.
			5 M	Missing pole number for 'C' pole
				In Western substation - north side A frame
Western Substation	N/A	N/A	4 PI	Porcelain insulators very dusty - recommend cleaning at some point in the future
			2 OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage
			5 M	Discoloration (rust color) on top of East frame from previously installed device (now removed) that bleed rust - OK
			3 OI	Polymer D.E. Insulators leaking
				In Western substation - south side A frame
Western Substation	N/A	N/A	4 PI	Porcelain insulators very dusty - recommend cleaning at some point in the future
			2 OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage
MSCC Pole #0/2	OK	N/A		In Western substation - east side H frame str (north str)
				In Western substation - east side H frame str (south str)
MSCC Pole #0/3	OK	N/A	4 LN	Loose nut on guy eye plate.
			5 M	Missing (2) Stainless Steel hump back cotter keys on bent bolts above jumper insulators - A and B phases
				East of Western substation (set of 3 poles)
MSCC Pole #0/4	OK	N/A	4 CK	Cotter key halfway out on top suspension insulator
			5 M	Bottom bolt on post insulators is loose (1/4"-1/2")
			5 M	Missing pole number
			5	Guys not taped
			5 CR	A pole splitting from ground to 1/2 way up - up to 1" wide and 8" deep
			3 LB	Loose bolts on gang operated switch.
			5 HVS	HVS missing or needs replacing (2)
			5 GG	Replace UV damaged and missing guy guards

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
MSCC Pole #05	N/A	N/A			
			5	M	Missing pole number
			5	CR	Spiral splitting 10' high 1" wide 6" deep
			4	LN	Loose nut - bottom bolt on all 3 post insulators is loose (1/4"-1/2")
			5	GG	Replace guy guards due to UV damage
				East and south of Western substation	
MSCC Pole #06	OK	N/A			
			5	M	Missing pole number
			5	A	Anchors not taped
			4	CK	Cotter key halfway out on dead end shoe top phase East side.
			4	CK	Cotter key halfway out on dead end shoe bottom phase North side.
5	GG	Missing guy guards on down guys (2)			
				West of Victory substation	
Victory Substation "H" Str	N/A	N/A			
				In Victory substation	



Midway Sunset Work Order

WO# : 166060 **Description: Quarterly Gen Lead Line Inspection**

Work Type: **PM-O**

Primary Assigned To: **COREYL**

Status: **Completed**

Assigned By:

Supervisor: **MIKEW**

Created By

Reason:

Date Scheduled: **7/1/2025 12:00:00 AM**

Shift: **swingshift**

Project:

Reference: **Y**

Site Comments: Ensure that you copy, paste and fill out the latest version of the JSA into EVERY Work Order.

It can be found at O:Forms/JSA/MSCC JSA ATTACHMENT 1.

Asset/Procedure Combinations

Asset: **Y-LINE**

Generator lead Line

Location:

Serial No:

Model No:

Procedure: **INSP-GEN LEAD LN QTR**

Quarterly Generator Lead Line Inspection

Warranty Coverage: **No**

Perform While Asset Running: **Yes**

Perform While Asset Down: **No**

Tasks	Description	Est Down Hours	Safety	Date Completed
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JSA	Job Safety Analysis	0.00		
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Details: ATTACHMENT 1

MSCC JOB SAFETY ANALYSIS (JSA) (pg 1 of 3)

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program) (mark the appropriate selection with an X).

Approval Clearance Permission

Date:

Enter Work Order Number: _____ OR Project ID Number _____

Job Scope Description:

Section B:

Three way communication is to be used at all times:

Pre-authorization checklist (all questions must be answered for all tasks) Yes-Y No-N Not Applicable-N/A

Have appropriate SDSs been obtained and reviewed?

Is the equipment de-energized?

Printed Date:

1/21/2026 11:45:04 AM

Report ID: 1813

Page 1 OF 5



Midway Sunset Work Order

- Is the equipment depressurized?
- Is the equipment drained?
- Have all valves been properly closed, blinded, tagged, (and locked)?
- Is the instrumentation tubing disconnected, depressurized, and capped?
- Has equipment been steamed or flushed?
- Has equipment been purged? If yes, how?
- Is equipment free of toxic, corrosive, or hazardous materials?
- Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.
- Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.
- Is the combustible gas test satisfactory(OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?
- Is a fire watch required and assigned?
- Have potentially affected drains been covered?
- Has appropriate personal protective equipment (PPE) been assigned (See Section D)?
- Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?
- Are personal grounds necessary?
- Is a Confined Space Permit (PO-MW-A-005, Confined Space Program) necessary? If so, ensure that it is implemented.
- Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.
- Are barricades necessary? If so, list types and locations (APM 130).
- Are other pre-authorizations necessary? If so, provide a list.
- Is there a permanent or portable eyewash station available for the work, if necessary?
- Is there a permanent safety shower available for the work, if necessary?
- Have the tailboard and Work Order review been completed?
- Has the work area been inspected for any other hazards?
- Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards.

Section C:

Precautions–See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP])(all questions must be answered for all tasks) Yes-Y No-N Not Applicable-N/A

- Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan).
- Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).
- Safe Lifting–Material Handling (APM 160).
- Lights (APM 118).
- Booms, Ladders, & Lifts (APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).
- Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).
- Safety Straps, Lifelines, Railings (APM 132).
- Safe Support and Scaffolds (APM 135).
- Portable Ladders (APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.
- Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).
- Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical Safety).
- Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).
- Qualified Electrical Workers(APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).
- Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE–Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- Hard hat.
- EH rated leather boots.
- EH rated rubber boots.
- Safety glasses (protects eyes from flying debris).
- Goggles (protects eyes from liquids and flying debris).



Midway Sunset Work Order

- _____ Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).
- _____ Face shield (protects face only).
- _____ FR/AR rated clothing.
- _____ Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).
- _____ Arc flash helmet (Class 2) and Balaclava; (PO-MW-A-008, Electrical Safety).
- _____ Arc flash hood(Class 3); (PO-MW-A-008, Electrical Safety).
- _____ Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).
- _____ Class 0 rubber electrical gloves (1,000 V); (PO-MW-A-008, Electrical Safety).
- _____ Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).
- _____ Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Cromium. Hepa Filter Vacuum.
- _____ Fall protection.
- _____ Leather gloves.
- _____ High-temp gloves.
- _____ Rubber chemical gloves.
- _____ Chemical rain suit.
- _____ Tyvek suit.

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- _____ Have personal grounds been removed?
- _____ Have tags (and locks) been removed?
- _____ Has housekeeping been addressed?
- _____ Has pre-start up inspection been done?
- _____ Has the work been completed?

List the personnel involved in this JSA:

INSP-QTR GEN LEAD LN	Quarterly Generator Lead Line Inspection	0.00	
Details:	_____ Refer to operating instruction mw-06-101.		INSPECTIONS

_____ When inspecting the Midway Sunset 230 kV line, Attachment I of MW-06-101 will be completed by the personnel performing the inspection.

_____ Documentation of equipment will include hardware, braces, x-arms, poles (A, B, &C), guys, and anchors. Additional remarks will be recorded on the last page of Attachment 1.

_____ Each guy wire is to be checked for tautness. Anchors are to be inspected for erosion of soil, movement of the anchor rod, or the possibility that the anchor rod has pulled loose. Each pole is to be inspected for alignment with other poles in the structure, and for alignment with the structures on either side. The base of the pole is to be inspected for movement of the pole and for possible erosion of soil. Damage from fire, machinery, or natural forces are to be noted. Any cracks of over 1/2" wide and to a depth of more than one third of the pole



Midway Sunset Work Order

diameter should be noted. Special attention is required for any pole experiencing a spiral crack that completely encircles the pole within a 20 foot section.

_____ Inspect all guy anchor to PVC seals, should a seal be compromised perform the following:
Remove old sealant with a screw driver and putty knife (do not damage the corrosion coating

on the guy anchor rod)
Apply new seal using VISCOTAQ.
shape to allow water to

Clean area with a rag so no dirt or loose material is left.
Insure to seal 1 1/2" below top of PVC and finish top with a dome

run off.

_____ All hardware is to be inspected for loose or missing nuts/washers. Air gaps in the spring washers are to be estimated for width and noted for comparison on following inspections. The heavy end of a spring washer turned to the ground indicates that the hardware has loosened to the point that there is no longer tension in the spring washer and repairs should be made as soon as possible.

_____ The insulators are to be inspected for signs of surface tracking, or physical damage. The conductor shoes are to be inspected specifically for missing nuts and stress cracks.

_____ The crossarms and braces are to be inspected for physical integrity. Any separation of the lamination on the crossarms is to be noted.

_____ At each structure, the area will be inspected for build-up of debris; such as grass, brush, or other refuse which can be a fire hazard. Per California Administrative Code (CAC) Title 14, Section 1250 through 1258, debris will be removed within 10 feet of the outer circumference of the structure.

_____ The route of the transmission line crosses environmentally sensitive areas. Care should be taken not to disturb the habitat of endangered species. Maintain vehicles on roads at all times.

_____ Damage to the following biologically sensitive plants should be avoided when working along or inspecting the transmission line: White Delphinium, found on the north face of the hills in the first seven miles; Hoovers Woolly Star, found in the flats between structure 11-7 and the California Aqueduct; Miniature California Poppy, found in the hills between structures 2-1 and 4-1.



Midway Sunset Work Order

_____ Damage to the habitat of the San Joaquin Kit Fox, Giant Kangaroo Rat, California Ground Squirrel, and Blunt Nosed Lizard must be avoided. Also, take care not to disturb any active Raptor, Crow, or Raven nests. Please view the Transmission Line Vibration tape for additional information.

_____ Report of fire prevention inspection and clean up report sent to CEC in April.

_____ Distribution:

- 1 - California Energy Commission
- 1 - Plant Manager
- 1 - Maintenance Supervisor
- 1 - Compliance Manager
- 1 - File

Total Est. Down Hours: 0.00

Completion Information:

Date: _____	Emp In _____	Hours: _____
Date: _____	Emp In _____	Hours: _____

Work Order Comments

Added By Date



Midway Sunset Work Order

corey

9/16/2025 3:32:34 PM

9/17/2025 CL,GTD

Tailboarded task with control room operator and obtained the necessary authorizations to commence work. WO, JSA and Memo 4367 reviewed. Discussed area awareness, endangered species, uneven walking surfaces and environmentally sensitive areas. H2S meter #5 will be present. Completed inspection of the Generator Lead Line.

Notes as follows:

6 nests on the MSCC line at the following structures: two on MSCC switchyard A frame, 3-2, 3-5, 6-5, 12-3, 17-7, and 18-3, no other nests at this time.

Trees in orchard are currently about 12' and there was no encroachment of the line.

Added the following"

1-3 A and B pole ground wire need additional staples.

5-2 B pole ground wire need additional staples.

6-6 B pole south guy anchor has separated from disc WO 166991

Updated report and saved in L:/Transmission Line Inspections/2025 GLL Inspections/ 3rd Quarter Inspection WO 166060. Returned tools to their proper place and informed control room operator that task was complete.

MSCC JOB SAFETY ANALYSIS (JSA) (pg 1 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program) (mark the appropriate selection with an X).

X Approval Clearance Permission

Date: 9/17/25

Enter Work Order Number: ___166060_____ OR Project ID Number: _____

Job Scope Description: Generator Lead Line Inspection



Midway Sunset Work Order

Section B:

Three way communication is to be used at all times:

Pre-authorization checklist (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

N/A Have appropriate SDSs been obtained and reviewed?

N Is the equipment de-energized?

N/A Is the equipment depressurized?

N/A Is the equipment drained?

N/A Have all valves been properly closed, blinded, tagged, (and locked)?

N/A Is the instrumentation tubing disconnected, depressurized, and capped?

N/A Has equipment been steamed or flushed?

N/A Has equipment been purged? If yes, how?

Y Is equipment free of toxic, corrosive, or hazardous materials?

N/A Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.

N/A Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.

N/A Is the combustible gas test satisfactory (OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?

N/A Is a fire watch required and assigned?

N/A Have potentially affected drains been covered?

Y Has appropriate personal protective equipment (PPE) been assigned (See Section D)?

Y Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?

N Are personal grounds necessary?

N Is a Confined Space Permit (PO-MW-A-005, Confined Space Program) necessary? If so, ensure that it is implemented.

N/A Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.

N Are barricades necessary? If so, list types and locations (APM 130).

N Are other pre-authorizations necessary? If so, provide a list.

N/A Is there a permanent or portable eyewash station available for the work, if necessary?

N/A Is there a permanent safety shower available for the work, if necessary?

Y Have the tailboard and Work Order review been completed?

N Has the work area been inspected for any other hazards?

Y Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards. Refer to Memo 4367 Off-Site Hazards/Off-Site Work Authorization - 2011

ATTACHMENT 1

MSCC JOB SAFETY ANALYSIS (JSA) (pg 2 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section C:

Precautions—See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP]) (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-



Midway Sunset Work Order

N/A

- Y Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan).
- N Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).
- N/A Safe Lifting–Material Handling (APM 160).
- N Lights (APM 118).
- N/A Booms, Ladders, & Lifts (APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).
- N/A Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).
- N/A Safety Straps, Lifelines, Railings (APM 132).
- N/A Safe Support and Scaffolds (APM 135).
- N/A Portable Ladders (APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.
- N/A Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).
- Y Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical Safety).
- Y Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).
- N/A Qualified Electrical Workers (APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).
- N/A Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE–Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- Y Hard hat.
- Y EH rated leather boots.
- N/A EH rated rubber boots.
- Y Safety glasses (protects eyes from flying debris).
- N/A Goggles (protects eyes from liquids and flying debris).
- N/A Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).
- N/A Face shield (protects face only).
- Y FR/AR rated clothing.
- N Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).
- N/A Arc flash helmet (Class 2) and Balaclava; (PO-MW-A-008, Electrical Safety).
- N/A Arc flash hood (Class 3); (PO-MW-A-008, Electrical Safety).
- N/A Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).
- N/A Class 0 rubber electrical gloves (<1,000 V); (PO-MW-A-008, Electrical Safety).
- N/A Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).
- N/A Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Cromium. Hepa Filter Vacuum.
- N/A Fall protection.
- Y Leather gloves.
- N/A High-temp gloves.
- N/A Rubber chemical gloves.
- N/A Chemical rain suit.
- N/A Tyvek suit.
- Y Personal H2S Monitor for Offsite work.
- Y Snake Chaps for Offsite Hiking\Walking. ⬆



Midway Sunset Work Order

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

N/A Have personal grounds been removed?

N/A Have tags (and locks) been removed?

N/A Has housekeeping been addressed?

N/A Has pre-start up inspection been done?

_Y_____ Has the work been completed?

List the personnel involved in this JSA: JH,CL,GTD

Filter:
pkey = 151798

Appendix D

4th Quarter Transmission Line Inspection

MIDWAY SUNSET INSPECTION REPORT

Inspection Dates: 11/11/2025 through 11/13/2025 WO# 163781

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
1-1	9 new anchors installed 8/2015	N/A	5 CGP	(5) Guys not attached to cow guard poles in pasture land.
			5 D	Daylight between pole and pole eye plates - several dead end attachment items are loose (show daylight), but secure. These are a result of pole shrinkage over the years.
			5 D	Daylight between south guy attachment and pole and pole eye plates - up to 1/4"-3/4"
			5 HVS	HVS missing or needs replacing (3)
			2 RP	B pole split at phase position and eye plate is pulling through structure, potential anti-split bolts to close the split as a temp fix
			4 PG	Grounding at C phase hardware pulled out
			3 LG	(3) Loose guy wires on the northside of the three pole structure backing up the phases.
0 RL	Range land.			
1-2	OK	COND AND EHS BOTH - AH and BK	5 CR	Spiral crack, A & C poles full length
			5 CR	C pole horizontal insulator hardware bolt in crack
			5 HVS	HVS missing or needs replacing (2)
			5 GG	Guy guards missing need replacing due to uv damage
			4 CK	Turnbuckle on pole C has a cotter key halfway out
			3 LN	Loose nut at the turnbuckle B phase
			3 LG	(1) Bisecting guy wire supporting the static needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
4 S	Pole grounds need staples replaced on all three poles			
0 RL	Range land.			
1-3	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on B phase center bottom V brace
			5 HVS	HVS missing or needs replacing (1)
			4 PG	Pole ground loose Pole B
			5 SWTD	Spring Washer turned down on lower X brace B pole/ All of the nuts need to be tightened
			0 RL	Range land.
1-4	N/A	N/A	4 LN	(1) 1/2" bolt backed out 3/8" under center bottom V brace and top V brace at A pole
			5 D	Daylight between Knee brace and A & B poles (less than 1/4")
			5 D	Daylight between top of X brace and A pole (less than 3/8")
			4 BW	End of bird wire loose above A phase
			5 XB	X-braces starting to de-laminate.
			4 LN	Loose bolt top knee pole A
			5 HVS	HVS missing or needs replacing (3)
0 RL	Range land.			
1-5	N/A	COND AND EHS BOTH - AH and BK	5 S	Ground wire staples on A pole coming out in several places
			4 BW	Loose bird wire over B and C phase
			5 CR	A & B pole shield wires kicked BOL hard on static bar and C phase AOL
			0 RL	Range land.
1-6	N/A	N/A	5 SWTD	Spring Washer turned down on upper X brace A pole
			5 XB	X-braces starting to de-laminate.
			0 RL	Range land.
1-7	N/A	COND AND EHS BOTH - AH and BK	4 BW	Bird wire coming loose above A phase
			5 CR	Crack in A pole is up to 1" wide 10' up
			5 D	Daylight at C phase V brace @ pole 1/8" gap
			5 D	Daylight at bottom of X brace at both A and B pole (<1/8")
			5 HVS	HVS missing or needs replacing (3)
0 RL	Range land.			
1-8	7 new anchors installed 8/2015	N/A	5 CR	A & C pole split at shield wire hardware attachment
			5 S	Ground wire staples in various places coming out on A, B, C poles
			5 D	Daylight between pole eye plate and pole on A, B, C poles (1/4" to 1/2")
			5 HVS	HVS missing or needs replacing (3)
			5 GG	Guy Guards missing (3) Replcae remaining due to uv damage
			4 LN	C phase suspension shoe has loose nut
			4 CGP	2 Cattle rub poles broken off
0 RL	Range land.			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
2-1	N/A	COND AND EHS BOTH - AH and BK	5 CR	Bottom X brace hardware in crack
			4 MN	Missing (1) 1/2" nut on bottom Knee brace on pole A
			5 GW	Ground wire (normally above pole tops) bent down below top of pole
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Bottom of the V brace has a bolt backing out and on upper V-brace at pole B
			4 BW	Loose bird wire over B phase
			5 S	Ground wire staples on A and B poles missing in upper portion of pole
			0 RL	Range land
2-2	N/A	N/A	4 MN	Missing (1) 1/2" nut and (1) 1/2" lock nut on X bracing center clamp
			4 LN	A pole top X brace - loose bolt backed out 1/2"
			5 S	Ground wire staples on B pole coming out above cross arm
			5 D	Daylight between B pole and bottom X brace attachment (1/8")
			5 S	A pole top ground wire loose from top of pole
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land
			2-3	N/A
5 S	Ground wire staples in several places on B pole bottom are backing out			
5 GW	Ground wire (normally above pole tops) bent down below top of pole			
5 D	Daylight between A pole and upper X brace (1/8")			
5 HVS	HVS missing or needs replacing (2)			
5 BW	Bird wire hanging over C phase			
4 BW	Bird wire end loose above B pole and hanging down			
0 RL	Range land			
2-4	N/A	N/A	5 D	Daylight between B pole and bottom X brace (1/8")
			4 BW	Bird wire end loose above B phase, but not hanging down
			5 CR	Minor cracking in various places going up A & B poles
			4 EHS	Static shoes and suspension insulators pulled AOL 2"
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land
2-5	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 5/8" nut above C phase inside crossarm, and Loose (1) 1/2" bolt backed out 1/8" upper outside V brace B pole
			4 EHS	A pole shield wire BOL (approx 2")
			5 COND	A phase AOL 3-4" due to structure twist
			5 HVS	HVS missing or needs replacing (2)
			5 SWTD	Loose bolt bottom x brace B pole spring washer turned down
			5 BGW	Bird guard has fallen off of knee brace
			0 RL	Range land
2-6	2 new anchors installed 8/2015	N/A	4 LN	Loose (1) 1/2" bolt backed out 1/8" upper outside knee brace A pole
			5 D	Daylight between A pole and top outside V brace (1/8")
			5 D	Daylight between pole and guy wire brackets - up to 1/4"
			5 HVS	HVS missing or needs replacing (4)
			5 BW	Both Bird wires loose on V-brace
			6 GG	Missing Guy Guards
0 RL	Range land			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
2-7	8 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D	Daylight between pole eye plate and pole on guy attachment on A, B and C poles (up to 1/2")
			5 CGP	Cow guard pole is broken off (C pole) and needs to be replaced
			5 GG	Guy Guards missing (6) Replace remaining due to uv damage
			5 S	Ground wire on B & C poles loose in several areas
			5 HVS	HVS missing or needs replacing (2)
			4 WP	Wood pecker damage on pole C 15' above groundline
			3 LG	Loose guy wire at static that ties all three structures together. Bisecting guy wire supporting the static also needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
			1 CK	Cotter key half way out on fiberglass guy insulator for pole B
			0 RL	Range land;
			2-8	N/A
4 BGW	Missing ground wire on B pole in X-brace area - due to many staples missing			
5 D	Daylight between upper V brace on A and B poles			
5 CR	A & B pole crack at hardware			
5 CR	B pole upper X-brace HDW in cracks			
5 CR	B pole cracking full length 1/4" to 3/4" wide			
5 D	Daylight between A pole and bottom X brace (1/8")			
4 EHS	Both shield wires BOL 1"			
4 BW	Birdwire hanging over B phase on V brace			
4 BW	Birdwire hanging over C phase on knee brace			
4 S	Staples missing on A pole ground wire			
0 RL	Range land;			
3-1	N/A	COND AND EHS BOTH - AH and BK		
			5 HVS	HVS missing or needs replacing (4)
			0 IP	Improper pin used on static shoe on pole B. It is long giving the appearance it is falling out.
			4 BW	Bird wire end loose on both knee braces
			0 RL	Range land;
3-2	N/A	N/A	5 CR	B pole vertical cracking full length 4-6 ft.
			COND	A phase Cond AOL 3"
			5 EHS	Static A pole BOL 1/2"
			5 SWTD	Spring Washer turned down on bottom X brace A pole
			5 HVS	HVS missing or needs replacing (2)
			4 BW	Birdwire hanging over B phase on V brace
			5 SWTD	Spring washer turned down on the bottom X brace B pole
			4 LN	Loose nut lower X brace on pole A
			1 BN	New birds nest over B phase
0 RL	Range land;			
3-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment (up to 1/2")
			5 D	Daylight between top V brace and B Pole
			5 D	Daylight between B pole and V brace - up to 1/4"
			5 D	Daylight between B pole and upper V Brace - up to 1/4"
			5 CR	A and B poles have splits
			5 HVS	HVS missing or needs replacing (4)
			5 D	Daylight between knee brace and pole A
			4 LB	Loose bolt bottom knee C phase
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
3-4	N/A	N/A	5 D	Daylight between bottom X brace and A pole - up to 1/8"			
			5 CR	A and B poles have splits			
			4 BW	Bird wire loose above A phase			
			5 CR	B pole shield wire brace bolt in crack			
			5 HVS	HVS missing or needs replacing (4)			
			0 R	Range land			
3-5	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole X brace hardware bolt in crack			
			5 CR	A & B pole minor cracks			
			5 D	Daylight between A pole and bottom X brace			
			5 D	Daylight between B pole and upper X brace			
			5 HVS	HVS missing or needs replacing (3)			
			5 D	Daylight between the knee brace and pole A			
			1 BW	No bird wire on structure			
			1 BN	New birds nest over B phase			
			0 R	Range land			
			5 CR	At top of A pole where static rail attaches, there is a big crack on both sides of pole - no concern at this time. (repair would be 12" or 14" anti split bolt with 4"x4" curved washers, spring washers, # 6 copper for bonding, below rail).			
3-6	2 new anchors installed 8/2015	N/A	4 BW	Bird wire coming loose above C phase			
			4 LN	Loose (1) 1/2" nut on V brace to B pole			
			5 CR	A pole lower X-brace hardware bolt in crack			
			5 S	B pole ground wire staples gone 2/3 ways up pull, 10' loose			
			5 D	Daylight between B pole and lower X brace attachment			
			4 BW	Bird wire hanging off Knee brace over C phase			
			5 GG	Guy guards missing			
			5 HVS	HVS missing or needs replacing (4)			
			0 R	Range land			
			3-7	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and lower X brace attachment
						4 BW	Bird wire B phase loose
0 R	Range land						
4-1	N/A	N/A	5 CR	B pole X brace has vertical crack at hardware attachment			
			5 CR	A & B poles minor cracking			
			5 CR	X-brace hardware in several cracks			
			5 D	Daylight between knee brace and B pole - up to 1/4" daylight			
			5 HVS	HVS missing or needs replacing (1)			
			0 R	Range land			
4-2	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole vertical crack from ground to X-brace			
			5 CR	B pole crack ground up to 10'			
			5 CR	A & B brace bolts are thru cracks			
			5 HVS	HVS missing or needs replacing (2)			
			0 R	Range land			
4-3	N/A	N/A	5 CR	B pole - EHS attachment bolt in crack			
			4 BW	Missing bird wire ends above A and C phases			
			5 HVS	HVS missing or needs replacing (2)			
			4 S	Pole B missing staples in pole ground about halfway up			
			1 BN	Bird Nest over B phase			
			4 BW	Bird wire hanging over B phase			
			0 R	Range land			
4-4	N/A	COND AND EHS BOTH - AH and BK	5 CR	A pole, large crack, ground to 10' - up to 3/4" wide			
			5 D	Daylight between A pole and lower X brace attachment			
			5 HVS	HVS missing or needs replacing (1)			
			0 R	Range land			
4-5	N/A	N/A	5 CR	A- Pole vertical crack 20' up, 7" deep, 1/2" wide			
			4 BW	Bird wire coming loose above B phase			
			4 GW	Ground wire pole B missing staples			
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"			
			5 HVS	HVS missing or needs replacing (1)			
0 R	Range land						
4-6	N/A	COND AND EHS BOTH - AH and BK	5 CR	B pole vertical cracking to 20' - first 8' up to 3/4" wide and up to 9" deep			
			4 BW	Bird wire coming loose above C phase			
			5 CR	Crack in B pole - ground to 9' - 1" wide up to 9" deep			
			5 HVS	HVS missing or needs replacing (2)			
			5 SWTD	Spring washer top of X brace at pole A turned down			
			0 R	Range land			
5-1	N/A	N/A	5 M	Bike rack chained to base of B pole			
			4 MN	Loose (1) 5/8" nut above C phase inside crossarm			
			4 MN	Missing (1) 3/4" nut on crossarm above A phase - crossarm to phase bracket			
			4 BW	Structure missing all bird wire			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
			5 HVS HVS missing or needs replacing (1)	
			0 RL Range land;	
5-2	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole spiral cracking - with conductor crossarm bolt in crack	
			4 BW Structure missing all bird wire	
			5 HVS HVS missing or needs replacing (1)	
			4 GW Ground wire loose on pole B	
			0 RL Range land;	
5-3	2 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5 CR Top of B pole split at EHS attachment	
			5 CR Minor cracking entire length - B pole	
			5 HVS HVS missing or needs replacing (1)	
			4 BW Structure missing all bird wire	
			5 GG Replace guy guards due to uv damage	
			0 RL Range land;	
5-4	N/A	COND AND EHS BOTH - Only BK	5 CR A pole - vertical crack at crossarm bolt	
			5 D Daylight between A pole and V brace	
			4 BW Bird wire end hanging above B phase	
			4 LN Loose 1/2 inch nut bottom of knee brace over C Phase	
			5 HVS HVS missing or needs replacing (1)	
			0 RL Range land;	
5-5	N/A	COND AND EHS BOTH - AH and BK	4 BW Bird wire end loose on knee brace above C phase	
			4 MN Missing (1) 5/8" nut above A phase inside crossarm	
			5 SWTD B pole - top of lower X brace - spring washer turned down	
			5 CR B pole - lower X-brace - upper bolt in large crack	
			5 CR Vertical crack at X brace attachment	
			4 MN Missing 1/2 inch locknut on X-brace clamp	
			1 BN Bird nest at B pole	
			4 EHS East static shoe pulled BOL	
			4 LN Loose nut upper X brace pole B	
			0 RL Range land;	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
5-6	7 new anchors installed 8/2015	N/A	5 CR	B pole vertical cracking
			5 CR	Guy brace on C pole - bolt thru crack
			5 HVS	HVS missing or needs replacing (3)
			5 GG	Replace guy guards due to uv damage
			4 S	Loose ground wires about 10' to 20' on A & B poles
			0 RL	Range land.
5-7	4 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5 M	SS hump back cotter key on socket clevis - B phase needs to be lapped in place next time crews are working on structure (this has been out since insulators were installed); and SS hump back key only half way in on yoke plate. same assembly
			5 D	Daylight between A pole and guy attachment hardware - up to 1/2"
			5 D	Daylight between B pole and guy attachment hardware - up to 1/4"
			5 CR	A pole spiral cracking
			5 CR	B pole vertical cracking
			5 GG	Replace guy guards due to UV damage
			5 HVS	HVS missing or needs replacing (2)
			0 RL	Range land.
			5 D	Daylight between guy support and A Pole
			COND	A & C phase insulators BOL 3-5"
6-1	N/A	N/A	COND	A phase highest sag - B phase mid sag - C phase lowest sag
			5 HVS	HVS missing or needs replacing (1)
			3 EC	Pole A six feet from a steep embankmen, needs erosion control. This year is at 4 1/2'
			0 RL	Range land.
			COND	A & C phase BOL 2-3"
6-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and upper X brace
			5 HVS	HVS missing or needs replacing (2)
			3 EC	Pole A ten feet from a steep embankmen, needs erosion control.
			5 D	Air gap at knee braces on poles A & B
			5 D	Daylight at lower X brace and pole B
			0 RL	Range land.
6-3	N/A	N/A	5 CR	A & B poles, minor spiral cracking
			5 CR	B pole shield wire hardware bolt in crack
			5 D	Daylight between B pole and bottom X brace
			5 CR	Crossarm bolting in spiral crack
			4 LB	Loose bolt bottom knee A phase
			5 HVS	HVS missing or needs replacing (2)
6-4	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D	Daylight between pole and guy attachments
			5 HVS	HVS missing or needs replacing (1)
			2 CK	Cotter key halfway out where turnbuckle meets insulator on C phase
			4 HDW	B phase hardware is pulling through the pole
			0 RL	Range land.
6-5			5 D	Daylight between A pole and knee brace - up to 1/4"
			5 CR	A & B poles minor cracking
			5 HVS	HVS missing or needs replacing (1)
			4 GW	Ground wire loose on pole B
			4 LB	Loose bolt top knee A phase
			5 XB	X-brace starting to de-laminate.
			1 BN	Birds nest B pole
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
6-6	SEE NOTE	COND AND EHS BOTH - AH and BK	5 M	Guy pole bands on A and B poles slipped down pole initially - no movement over the past several years. No lags in pole bands to hold position with pole shrinkage. Pole bands are missing brackets and a through bolt to keep from sliding down poles.			
			3 PB	Pole b missing staples in pole ground about halfway up			
			1 OJI	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage			
			5 GG	Missing (1) yellow guy guard - also guy guard post to attach guy wire to is broken off - should be replaced at some point in time			
			5 S	A, B, & C ground wires pulled away from poles (up to 10')			
			5 CR	A & C poles, minor vertical/spiral cracking			
			5 D	Daylight between C pole and guying attachment - up to 1/2"			
			5 HVS	HVS missing or needs replacing (1)			
			5 GG	Replace guy guards due to uv damage			
			1 OI	North A phase insulator has a torn shed			
			5 LG	B pole guy wire is slacked causing the pole to deflect with angle. Looks like anchor has pulled loose			
			0 RL	Range land.			
			7-1	N/A	N/A	COND	BOL sag off - B & C phase insulators AOL (A phase sag lowest - B phase middle sag - C phase sag highest)
						5 HVS	HVS missing or needs replacing (3)
5 D	Daylight between B pole and lower X brace						
5 CR	Lower X-brace bolt through large crack						
4 XB	X-brace starting to de-laminate.						
5 CR	Static shoe at pole A AOL 1 1/2 "						
4 BW	Loose bird wire on knee brace above C phase						
0 RL	Range land.						
7-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace			
			5 CR	Vertical cracking B pole			
			5 HVS	HVS missing or needs replacing (2)			
			0 RL	Range land.			
7-3	N/A	N/A	COND	B & C phase insulators AOL - 2"			
			5 D	Daylight between B pole and V brace			
			5 SWTD	A pole - bottom of X brace - spring washer turned down			
			5 S	Staples on B pole coming out - 2/3 pole length			
			5 HVS	HVS missing or needs replacing (1)			
0 RL	Range land.						
7-4	N/A	COND AND EHS BOTH - AH and BK	5 CR	B pole top is splitting, spiral cracking on A pole			
			5 SWTD	B pole - bottom of X brace - spring washer turned down			
			5 HVS	HVS missing or needs replacing (2)			
			5 XB	X-brace starting to de-laminate.			
			4 LB	Loose bolt top V pole A			
			0 RL	Range land.			
7-5	N/A	N/A	4 LN	Loose (1) 1/2" nut on bottom outside knee brace above C phase			
			4 LN	Loose (1) 1/2" nut on bottom center phase V brace			
			4 MN	Missing (1) 1/2" nut on bottom center phase V brace			
			5 D	Daylight between A pole and V brace			
			5 D	Daylight between A pole and upper X brace			
			5 CR	A & B poles minor cracking			
			0 RL	Range land.			
7-6	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between top X bracing and both poles - up to 3/8"			
			4 LN	Loose (1) 1/2" nut on center bottom V brace			
			5 HVS	HVS missing or needs replacing (2)			
			5 LB	Loose bolt on the bottom X brace at pole B			
			4 LN	Loose nut lower knee brace A phase			
			4 LB	Loose bolt lower knee brace A phase			
			0 RL	Range land.			
			4 LN	Loose (1) 1/2" nut on bottom knee brace - above A phase			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
7-7	N/A	N/A	5 CR	Spiral cracking B pole at bottom of X-brace			
			4 XB	X-brace starting to de-laminate.			
			5 HVS	HVS missing or needs replacing (1)			
			0 RL	Range land.			
7-8	N/A	COND AND EHS BOTH - AH and BK	5 CR	B pole shield wire bolt in crack			
			5 CR	Spiral cracking middle of B pole			
			4 LN	Loose nut bottom X brace on pole B			
			4 LB	2 Loose bolts upper knee brace A phase			
			0 RL	Range land.			
8-1	N/A	OK	4 MN	Missing (1) 1/2" nut on bottom center V brace, and loose (1) 1/2" nut on bottom center V-brace			
			5 CR	B pole crack at X brace attachment bolt			
			5 CR	A & B pole spiral cracking			
			4 LB	Loose bolt lower knee braces over A phase			
			0 RL	Range land.			
8-2	7 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 S	Loose staples on A, B and C poles			
			5 D	Daylight between guy / conductor attachment on A & B pole - up to 1/2" at top for guy; and up to 1" for conductor			
			5 D	Daylight between guy / conductor attachment on B pole - up to 3/8"			
			5 CR	B & C phase insulator hardware bolts are in or next to vertical cracks			
			5 CR	A and B pole shield wire hardware bolts in cracks			
			5 HVS	HVS missing or needs replacing (4)			
			5 GG	Replace guy guards due to uv damage			
			0 RL	Range land.			
			8-3	10 new anchors installed 8/2015	N/A	5 D	Daylight between grid gains on conductor attachment side, all poles - A & B phase up to 1/2"; C phase up to 1"
						1 OJI	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage
5 HVS	HVS missing or needs replacing (1)						
1 CK	Cotter key on both shoes for A&B phases half way out						
1 CK	Cotter key halfway out on lower guy pole C						
5 GG	Replace guy guards due to uv damage						
1 OJI	Replace jumper insulators due to UV damage						
0 RL	Range land.						
8-4	N/A	COND AND EHS BOTH - AH and BK	5 S	Missing staples on lower portion of A pole			
			4 EHS	Shield wire attachments on both sides of structure pulled BOL up to 2"			
			5 D	Daylight between A pole and bottom X brace - up to 1/8" gap			
			5 HVS	HVS missing or needs replacing (2)			
			0 RL	Range land.			
8-5	N/A	N/A	5 HVS	HVS missing or needs replacing (2)			
			5 GG	Replace guy guards due to uv damage			
			1 CK	Cotter key 1/2 out B phase			
			4 S	Staples missing out of ground wires on both poles A & B			
			0 RL	Range land.			
8-6	2 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 CR	A pole shield wire bolt in crack			
			5 CR	Upper V-brace bolt at B pole in crack			
			5 CR	B pole crack FROM ground to 10' up (6" deep X 1" wide)			
			5 EHS	Static shoe at pole A BOL 1"			
			4 LN	Loose nut top V-brace A pole			
8-7	N/A	N/A	0 RL	Range land.			
			5 CR	A pole has crack 6" deep and 1" wide from ground level to 12' up			
			4 MN	Missing (1) 1/2" nut on center bottom V brace			
			4 LN	Loose nut upper X brace pole B			
			0 RL	Range land.			
8-8	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	1 OI	Old style braced post insulator assemblies still in place - recommend change out to new insulators during next scheduled outage			
			5 D	Daylight between C pole insulator plate, upper bolt head out 1/4" from plate			
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work			
			5 HVS	HVS missing or needs replacing (4)			
			5 GG	Guy guards need replacing due to uv damage			
			0 RL	Range land.			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
9-1	N/A	N/A	5 CR	A pole vertical split from ground to 30' - at 10', 1-1/2" wide crack up to 9' deep
			5 D	Daylight between A and B poles lower X brace attachment - up to 1/8"
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land.
9-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"
			5 CR	B pole cracked at upper hardware
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road (BOL) then on ROW
			5 EHS	Static shoe on B pole BOL 1 1/2"
			5 D	Daylight showing on the knees & Vs at poles A & B
			4 LB	Loose bolt knee brace on pole A
			0 RL	Range land.
9-3	N/A	N/A	5 BW	Missing bird wire above C phase.
			5 M	Distribution line approx. 20 ft BOL from structure
			1 RA	Existing access restricted - above ground piping blocking access (up to 16 pipes at this time) - if needing to access structure come in from cross road then on ROW
			4 LB	Loose bolt upper X brace on pole B
			0 RL	Range land.
9-3-5	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 1/2" nut on bottom center V bracing - above crossarm
			5 D	Daylight between B pole and bottom X brace attachment - up to 1/8"
			EHS	B pole shield wire AOL 2"
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (4)
			4 S	Staples missing on pole ground for pole B
			4 BW	No bird wire on structure
0 RL	Range land.			
9-4	N/A	N/A	5 D	Daylight between A pole and V brace
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (2)
			1 BN	Bird nest over B phase
			3 EHS	Both static shoes kicked BOL 1 1/2"
			4 BW	No bird wire on structure
			0 RL	Range land.
9-5	N/A	COND AND EHS BOTH - AH and BK	EHS	Shield wire on B pole pulled BOL approx. 1"
			4 MN	Missing (1) 1/2" nut and loose (1) 1/2" nut on bottom center V brace
			5 CR	B pole split 10' x 1/2" x 5" depth
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (1)
			4 S	Missing staples for ground wire Pole B
			4 LB	Loose 1/2" bolt in the upper X-brace pole B
			4 BW	No bird wire on structure
			0 RL	Range land.
9-6	N/A	N/A	1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			M	Distribution line approx. 12 ft BOL from structure
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			0 RL	Range land.
9-7	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom center V brace
			4 MN	Missing (1) 1/2" nut on bottom outside knee brace on A phase, and (1) 1/2" bolt head backed out a bit
			M	New road past structure to well site - AOL
			5 HVS	HVS missing or needs replacing (4)
				Spiral on static touching shoe
			4 BW	No bird wire on structure
0 RL	Range land.			
10-1	9 new anchors installed 8/2015	COND AH - no EHS	M	New C pole installed fall of 2014
			5 D	Daylight between pole and gain plates and hardware (3 places) for conductor attachment to eyebolts on AOL side
			5 CR	B & C starting to develop a split
			2 GG	Missing (8) guy guards
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
0 RL	Range land.			
10-2	N/A	N/A	4 LN	Missing (1) 1/2" nut on bottom center V brace
			4 LN	Loose (2) 1/2" nuts on bottom outside V brace above C phase
			5 CR	A pole 3/4" - 1" crack ground to 15'
			5 D	Daylight between B pole and bottom X brace
			5 HVS	HVS missing or needs replacing (2)

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
			4 BW No bird wire on structure	
			0 RL Range land.	
10-3	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut on bottom center V brace	
			4 LN Loose (1) 1/2" nut on bottom X brace to B pole	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			0 RL Range land.	
10-4	N/A	N/A	4 LN Loose (1) 1/2" nut on bottom outside knee brace on C phase	
			5 M Minor shotgun damage on both poles	
			5 SWTD A pole - bottom X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			0 RL Range land.	
10-5	N/A	COND AND EHS BOTH - AH and BK	5 EHS East shield wires pulled AOL approx. 1"	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			4 LB Loose bolt upper X brace at pole B	
			0 RL Range land.	
10-6	N/A	N/A	4 MN Missing (2) 1/2" nuts and (1) loose 1/2" nut on bottom center V bracing	
			5 D Daylight between upper V brace and A pole	
			5 SWTD B pole - top X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			0 RL Range land.	
10-7	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut on upper X brace A pole and bolt has backed out 1/8"	
			5 D Daylight between bottom X bracing and V bracing and pole, on A pole side - less than 1/4"	
			5 D Daylight between B pole and upper V braced V bracing and pole, on A pole side - less than 1/4"	
			5 EHS B pole shield wire pulled AOL approx. 1"; and A pole shield wire pulled BOL approx. 1"	
			5 CR Crack on B pole @ upper X brace	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			0 RL Range land.	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
10-8	N/A	N/A	5 D	Daylight between upper V brace and A and B poles - up to 1/4"			
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"			
			3 EHS	A pole shield wire pulled BCL up to 2"			
			4 MN	Missing (2) 1/2" nuts - 1 on bottom knee brace - A and C phase			
			5 HVS	HVS missing or needs replacing (3)			
			4 BW	No bird wire on structure			
			0 RL	Range land.			
11-1	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 1/2" nut on bottom center V brace			
			5 D	Daylight between A pole and upper V brace			
			5 CR	Crack on A pole - 5' up 4' long - 1" wide x 4" deep			
			5 HVS	HVS missing or needs replacing (3)			
			4 BW	No bird wire on structure			
			0 RL	Range land.			
			11-2	N/A	N/A	5 CR	Big crack through pole at crossarm attachment on B pole (repair would be install 14" or 16" anti split bolts with 4"x4" curved washers, spring washers, # 6 copper for bonding)
5 D	Daylight between upper V brace and A pole						
5 SWTD	B pole - top X brace - spring washer turned down						
5 HVS	HVS missing or needs replacing (4)						
4 BW	No bird wire on structure						
3 MB	(2)Missing bolt upper X brace pole A						
0 RL	Range land.						
11-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between bottom of upper X bracing and bottom of lower X bracing on both A and B poles - less than 1/4"			
			5 CR	A pole has crack 7/8" wide x 4" deep near bottom of pole			
			5 HVS	HVS missing or needs replacing (2)			
			5 D	Daylight showing on knee brace at pole B			
			4 BW	No bird wire on structure			
			4 LB	Loose bolt V brace pole B			
			0 RL	Range land.			
11-4	N/A	N/A	5 S	Loose ground wire B pole - 15' up			
			5 CR	Crack on B pole - 3/4" wide from 5' to 20' up pole			
			5 HVS	HVS missing or needs replacing (4)			
			4 BW	No bird wire on structure			
			0 RL	Range land.			
			11-5	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between upper outside knee bracing and B pole - up to 1/4"
						5 D	Daylight between lower X brace and B pole
5 D	Daylight between B pole and bottom of upper X brace attachment - up to 1/8"						
5 SWTD	B pole - top X brace - spring washer turned down						
5 HVS	HVS missing or needs replacing (4)						
4 BW	No bird wire on structure						
5 XB	Both stlets of X braces de-laminating						
4 LB	Loose bolt V brace over B phase						
4 LB	Loose bolt knee brace over C phase						
1 SN	Structure number is missing						
0 RL	Range land.						
11-6	N/A	COND AND EHS BOTH - AH ONLY	4 MN	Missing (1) 1/2" nut on bottom center V brace			
			4 MN	Missing (1) 1/2" lock nut on X bracing center clamp			
			5 S	A pole ground wire loose 10' up pole			
			5 HVS	HVS missing or needs replacing (4)			
			4 LB	Upper X brace 1/2 bolt loose on pole B			
			4 BW	No bird wire on structure			
			4 LB	Loose bolt knee brace over A phase			
0 RL	Range land.						
11-7	N/A	N/A	4 LN	Loose (1) 1/2" bolt on bottom center V brace pole B - head backed out 1/16"			
			5 HVS	HVS missing or needs replacing (4)			
			4 BW	No bird wire on structure			
			0 RL	Range land.			
			5 D	Daylight between upper outside V bracing and a Pole - up to 1/4"			
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"			
			5 CR	Crack on B pole along bottom X brace, continue to monitor			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
12-1	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (4)
			5 SWTD	Spring washer turned down lower X brace A pole
			4 BW	No bird wire on structure
			4 LB	2 Loose bolts upper V brace at poles A & B
			0 RL	Range land.
12-2	N/A	N/A	1 MN	Missing (1) 1/2" nut, (1) 1/2" lock nut and loose 1/2" lock nut on upper X bracing center clamp
			5 MN	Missing 1/2 lock nut on lower X brace clamp
			5 SWTD	Spring washer turned down on upper X brace pole B
			5 D	Daylight between upper V brace and B pole - up to 1/2"
			5 D	Daylight between bottom X bracing and A and B poles
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
4 LB	Loose bolt upper knee brace pole A			
0 RL	Range land.			
12-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and upper X brace attachment; and between B pole and lower X brace attachment (up to 1/8")
			5 CR	Crack on A pole from ground to 18" up
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			1 BN	Birds nest over B phase
			4 LB	Loose bolt lower knee over A phase
0 RL	Range land.			
12-4	N/A	N/A	5 D	Daylight between B pole and lower X brace attachment
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			4 LB	Bolt falling out upper X Brace A pole
			4 LB	Loose bolt upper knee brace pole B
			0 RL	Range land.
12-5	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut - bolt backed out 1/2" on upper knee brace B pole
			5 CR	A pole crack 5' to 7' up, 7" deep
			4 MN	Missing (1) 1/2" locknut on X brace center clamp
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land.
12-6	N/A	N/A	5 D	Daylight between upper V brace and A pole - up to 1/4 - 1/2"
			5 D	Daylight between bottom X brace A and B poles - up to 1/4"
			4 LN	Loose (1) 1/2" nut on bottom X brace B pole
			5 CR	Crack in A pole at bottom X brace - 1/2 to 3/4 wide
			5 HVS	HVS missing or needs replacing (2)
			4 LB	Loose bolt upper V brace at pole B
			3 CK	Collar Key coming out of B phase clevis
0 RL	Range land.			
12-7	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between bottom X brace and A pole
			5 CR	Crack in B pole in area from crossarm to V brace, spiral bolt to bolt
			5 SWTD	B pole - top X brace - spring washer turned down
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose 1/2 bolt upper V brace at pole B
			4 BW	Loose bird wire over C phase
			4 LB	2 Loose bolts upper X brace pole A
0 RL	Range land.			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
13-1	N/A	N/A	5 D	Daylight between top V bracing and A pole - less than 1/4"
			5 D	Daylight between B pole and bottom X brace attachment - up to 1/8"
			5 HVS	HVS missing or needs replacing (4)
			1 BN	Bird nest starting over B phase
			4 LB	(2) Loose bolt upper V brace at pole A
			0 RL	Range land
			13-2	N/A
5 D	Daylight between A pole and V brace - up to 1/4"			
5 CR	Crack on B pole from bottom to 30' up - 1" wide x 4" deep			
5 HVS	HVS missing or needs replacing (3)			
4 LB	Loose bolt knee brace above A phase			
0 RL	Range land			
13-3	N/A	N/A		
			5 HVS	HVS missing or needs replacing (3)
			5 D	Daylight between the knee & V braces
			1 CK	Cotter key pushed out on socket-eye for center phase shoe, loose nuts on shoe
			4 LB	Loose bolt V brace above B phase
			0 RL	Range land
			13-4	N/A
5 D	Daylight between the knee & V braces			
4 LB	Loose bolt bottom knee C phase			
0 RL	Range land			
13-5	N/A	N/A		
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
13-6	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper V brace at pole B
			0	RL Range land.
13-7	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016) - Partially missing
			5	HVS HVS missing or needs replacing (2)
			4	LN Loose (1) 1/2" nut -bottom X brace, A pole
			0	RL Range land.
14-1	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016) - Missing
			5	CR B-pole @ bottom x-brace, 8" crack, 1/2" wide
			5	S Loose ground wire on B pole from 8'
			5	CR A-pole ground lot2', crack, 7" deep
			4	LN Loose (2) 1/2" bolt - knee brace above A phase - head backed out up to 1/8"
			5	HVS HVS missing or needs replacing (1)
			4	LN Loose 1/2" bolt - knee brace above C phase - head backed out up to 1/8"
			0	RL Range land.
14-2	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016) - Missing
			5	CR A pole spiral crack at X brace attachment
			5	CR B-pole spiral crack from ground to 10' up - up to 1" width
			5	D Daylight between upper V brace and A pole
			5	SWTD A pole - bottom X brace - spring washer turned down
			5	HVS HVS missing or needs replacing (2)
			4	LB Loose bolt upper V A pole
			4	LB Loose bolt upper knee pole B
			5	XB X brace de-laminating
			4	LN Loose nut lower V-Brace over B phase
			0	RL Range land.
14-3	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR A-pole vertical crack, 6" to top, up to 3/4" wide
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper knee brace on pole A
0	RL Range land.			
14-4	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016) - Missing
			5	D Daylight between bottom of X bracing and B pole - less than 1/4"
			5	D Daylight between A pole and V bracing - up to 1/8"
			5	CR Cracks on A and B poles near cross arm
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose bolt upper knee pole A
			4	LB Loose 1/2 bolt upper knee brace on pole B
0	RL Range land.			
14-5	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			1	MN Missing (1) 1/2" lock nut on bottom X bracing center clamp, and missing (1) 1/2" nut on same clamp. This should be corrected during next scheduled maintenance outage
			5	D Daylight between A pole and upper X brace
			5	SWTD Spring washer turned down on upper X brace pole B
			5	HVS HVS missing or needs replacing (2)
			1	GW Ground wire on poles A & B removed ground level up 10'
0	RL Range land.			
14-6	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack on B pole from ground to 35' up - up to 1" wide and 6" deep
			5	HVS HVS missing or needs replacing (3)
			5	XB Upper X brace Delamination
			4	MB Missing 1/2 bolt center of V brace
			0	RL Range land.

Loose

Loose (2)

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
14-7	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack on B pole from ground to 20' up - up to 4-8" deep
			4	LB Loose bolt top V pole A
			5	HVS HVS missing or needs replacing (2)
			1	SWTD Spring washer turned down on X-brace B pole
			0	RL Range land.
15-1	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack in B pole at top of X bracing - up to 1 1/2" crack at bolt
			5	CR A pole twisted ACL - up to 2"; B pole twisted BOL - up to 2"
			5	D Daylight between bottom X bracing and B pole
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose bolt upper knee brace pole A&B
0	RL Range land.			
15-2	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR B pole has several cracks all the way down, with the largest ranging up to 7" deep and 1" wide
			5	D Daylight between bottom X bracing and A and B poles - less than 1/4"
			5	CR A pole crack from 7' to 15' x 3/4" wide
			5	CR Static bar metal brace - B pole Split at bolt. B pole x-brace large split at hardware. Spiral cracking
			5	HVS HVS missing or needs replacing (2)
4	MN Missing (1) 1/2" locknut and 1/2 nut loose on upper X bracing center clamp			
4	MN Missing 1/2" nut on V-brace at center of the cross arm			
0	RL Range land.			
15-3	N/A	N/A	5	CR B pole bottom X bracing bolted into crack
			5	HVS HVS missing or needs replacing (3)
			5	CR B-pole crack, ground to 20'
			5	HVS HVS missing or needs replacing (3)
			4	LB Loose bolt V brace over B phase
			0	RL Range land.
15-4	N/A	COND AND EHS BOTH - AH and BK	5	CR B-pole crack, ground to 20'
			5	HVS HVS missing or needs replacing (3)
			4	LB Loose bolt top V pole A
			5	CR B pole bottom X bracing bolted into crack
			0	RL Range land.
			5	CR A pole crack from near bottom to 30' up - up to 3/4" wide
15-5	SEE NOTE	N/A	3	MN Lock nuts missing on guy plates for poles A, B and C
			4	CK Cotter key pole C static yoke plate 1/2 way out
			5	HVS HVS missing or needs replacing (1)
			0	RL Range land.
			5	CR A pole has a vertical crack from ground up 20', up to 1" wide by 8" deep
			5	HVS HVS missing or needs replacing (3)
15-6	N/A	COND AND EHS BOTH - AH and BK	4	LB Loose bolt upper knee brace at pole A
			4	XB X brace clamp fell off
				PT Pistachio trees - saplings 5-6.5' tall
			4	LN Missing 2 - 1/2" locknuts and 2 - 1/2" nuts on Xbrace clamp
			5	HVS HVS missing or needs replacing (4)
			4	BGW Broken ground wire on B pole 2' up
16-1	N/A	N/A	2	PN Pole number messed up on pole B
				PT Pistachio trees - saplings 10' tall
			5	HVS HVS missing or needs replacing (4)
			5	SWTD Spring washer turned down lower x brace A pole
			5	D Daylight between knee brace and pole A
			4	LB Loose bolt upper V brace at pole B
16-2	N/A	COND AND EHS BOTH - AH and BK		PT Pistachio trees - saplings 10' tall
			5	HVS HVS missing or needs replacing (4)
			2	SWTD Spring washer turned down top X-brace B pole
			5	D Daylight between knee brace and pole A
			4	LB Loose bolt upper V brace at pole B
			5	HVS HVS missing or needs replacing (4)
16-3	N/A	N/A	2	SWTD Spring washer turned down top X-brace B pole
				PT Pistachio trees - saplings 5-6.5' tall

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
16-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			5 LN	Loose 1/2" bolt on V brace at the arm
			4 GW	Wrong ground wire splice on A pole at the ground
			5 FED	Equipment damage to pole A 1/2" deep
			5 D	Daylight on knees & Vs at poles A & B
			4 BW	Bird wire loose over Cphase
			C	Cotton field
16-5	N/A	N/A	5 M	Missing pole ID on pole B
			4 BGW	Broken ground wire on B pole
			5 D	Daylight between A pole and bottom X brace
			5 D	Daylight on knees & Vs at poles A & B
			4 LB	Loose bolt bottom knee A phase
			5 HVS	HVS missing or needs replacing (3)
			C	Cotton field
16-6	N/A	COND AND EHS BOTH - AH and BK	FED	Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 HVS	HVS missing or needs replacing (2)
			4 GW	Loose ground wire on pole A
			C	Cotton field
16-7	N/A	N/A	5 D	Daylight between B pole and bottom X brace
			FED	Farm Equipment Damage - minor - A and B poles - less than 1" deep from 1' up to about 4-1/2' up
			5 HVS	HVS missing or needs replacing (3)
			3 PG	Broken ground wire from farm equipment damage 4 1/2' feet up on A&B poles
			3 LB	Loose bolt top knee B pole
			C	Cotton field
17-1	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (2)
			4 LB	Loose bolt top knee A pole
			3 GW	Broken ground wire 2' up on pole A
			3 GW	Loose ground wire B pole
			C	Cotton field
17-2	N/A	N/A	5 HVS	HVS missing or needs replacing (3)
			4 LB	Loose bolt top knee A pole
			3 GW	Broken ground wire 2' up on pole A
			2 LN	Loose nut top and bottom knee A phase
			C	Cotton field
17-3	N/A	COND AND EHS BOTH - AH and BK	5 FED	Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose bolt upper V brace pole B
			4 LB	(2) loose bolts on knee B pole
			C	Pistachio Trees - saplings 10' tall
17-4	2 new anchors installed 8/2015	N/A	5 FED	Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles
			5 HVS	HVS missing or needs replacing (3)
			4 BGW	Broken pole ground at ground level on pole A
			5 LB	Bolt backed out 3/8" on upper knee brace pole B
			4 G	Improper sleeve used to splice ground wire on B pole
			4 LB	Loose bolt upper knee A pole
			4 LB	Loose bolt upper knee brace pole B
			PT	Pistachio grove trees approaching 16-17 ft height - checked midspan clearance - midspan height of conductor is 35'-6" (Been Cut)
			5 FED	Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole
			5 FED	Farm equipment damage to pole B that is 3" deep
17-5	N/A	COND AND EHS BOTH - AH and BK	5 CR	B pole has a crack from bottom to top of bottom X brace
			4 BGW	Broken ground wire on A pole
			5 HVS	HVS missing or needs replacing (2)
			C	Cotton field
			EHS	A pole shield wire pulled AOL - up to 1'
17-6	N/A	N/A	5 HVS	HVS missing or needs replacing (4)
			4 LB	2 Loose 1/2" bolt lower X braces on pole A & B
			4 LB	Loose bolt top V pole B
			4 LB	Loose bolt upper and lower knee brace pole B
			C	Cotton field
17-7	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom outside V brace above C phase
			5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on B pole
			4 LB	Loose bolt lower knee A phase
			C	Cotton field
			5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on A pole

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
18-1	N/A	OK	4 LB (2) loose bolts lower knee over A phase	
			4 LB (2) loose bolts lower knee over C phase	
			C Cotton field	
18-2	N/A	COND AND EHS BOTH - AH and BK	5 FED Farm Equipment damage - minor - A and B poles - nicked by farm equipment - up to 1" deep section near bottom of pole	
			5 D Daylight between A pole and upper V brace	
			5 SWTD Spring washer turned down on lower X brace at pole B	
			4 BGW Broken ground wire on B pole	
			5 HVS HVS missing or needs replacing (4)	
			4 LB 2 loose bolts lower knee A phase	
18-3	N/A	N/A	1 BN Bird nest	
			C Cotton field	
18-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS HVS missing or needs replacing (3)	
			4 GW Improper sleeve used to splice ground wire on B pole	
			4 LB Loose bolt upper X brace pole B	
			4 XB X brace is de-laminating	
18-5	N/A	N/A	C Cotton field	
			4 BGW Broken ground wire on B pole	
			5 HVS HVS missing or needs replacing (3)	
18-6	N/A	COND AND EHS BOTH - AH and BK	4 LB Loose bolt upper V brace pole B	
			4 LB Loose bolt lower X brace at pole B	
			4 LB Loose bolt top knee A pole	
			4 BW Bird wire loose over C phase	
			5 HVS HVS missing or needs replacing (3)	
			C Cotton field	
18-7	N/A	N/A	C Cotton field	
			C Cotton field	
19-1	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between A pole and upper V brace	
			5 FED Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1" deep section near bottom of pole	
			5 HVS HVS missing or needs replacing (3)	
			4 LN Loose nut upper knee brace pole B	
			4 LN (2) loose nuts lower knee brace pole B	
			4 LB Loose bolt upper knee A pole	
19-2	N/A	N/A	PT Pistachio grove trees approaching 16-17 ft height - checked midspan clearance - midspan height of conductor is ~37'-6"	
			4 MN Missing (1) 1/2" nut - broken off bolt head on upper X brace on A pole side	
			5 FED Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1/2" deep section near bottom of pole	
			4 LB Loose 1/2 bolt upper V brace on pole B	
			4 LB Loose 1/2 bolt upper knee brace Pole A	
			5 HVS HVS missing or needs replacing (4)	
19-3	N/A	COND AND EHS BOTH - AH and BK	4 LB Loose bolt upper X brace pole A	
			PT Pistachio grove trees approaching 15-17 ft height. (see comment for str 19-2)	
			5 D Daylight between B pole and bottom X brace	
			5 EHS East shield wire pulled BOL up to 3"	
			5 EHS West shield wire pulled ACL up to 1"	
			4 LB Loose 1/2 bolt upper V brace on pole B	
19-4	N/A	N/A	5 HVS HVS missing or needs replacing (4)	
			4 LB Loose bolt upper knee brace pole B	
			5 FED Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole	
			PT Pistachio grove trees approaching 16-17 ft height. (see comment for str 19-2)	
			4 LN 2 Loose 1/2" nuts on center V bracing	
			5 HVS HVS missing or needs replacing (3)	
19-5	N/A	COND AND EHS BOTH - AH and BK	C Cotton field	
			5 CR A pole spilling starting at 6' approx. 1" wide x 8" deep	
			5 HVS HVS missing or needs replacing (3)	
			5 XB X-braces installed backwards	
			4 LB Loose bolt upper knee A pole	
			C Cotton field	
19-6	N/A	N/A	5 HVS HVS missing or needs replacing (3)	
			5 EHS Static wire on pole A BOL 1.5'	
			4 LB Loose bolt top knee pole A	
			4 LB Loose bolt upper knee brace pole B	
			C Cotton field	

Far

Farm

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
19-7	N/A	COND AND EHS BOTH - AH and BK	M	Anchor bolt nuts tight and ground wire in place
			5 HVS	HVS missing on steel structures
			2 COND	Jumper terminals appear loose on Northwest jumper-Suggest having Heli crew get a better look at it on their yearly maintenance
MSCC 0-3	N/A	N/A	C	Updon field
			2 COND	When MSCC 0-2 was replaced it raised the conductor on the North side of the str making the jumpers too short causing the construction crew to remove the jumpers on A phase, they left the insulators on B & C phases that are now slack and swinging in towards the str, Jumpers need to be lengthened and insulators on A phase installed
			5 MB	Missing a bolt on each of the 16 horizontal lacing at the bottom of the structure where they tie into the legs. One bolt in each one at the legs, this might be as designed.
			4 WI	Wash insulators per established washing schedule. Currently all insulators are fairly clean.
MSCC 0-2	N/A	N/A	STR	MSCC 0-2 Lattice str replaced with a taller 3 pole steel D.E. str
			4 CK	Collor key 1/2 way out substation side C phase shoes
			RL	Range land - fenced yard at Midway substation
MSCC 0-1	N/A	N/A	L	Lattice structure - all members tightly fastened
			3 CD	After replacing structure MSCC 0-2 the old conductor was resagged at MSCC 0-1 due to height differential, the conductor that was under the bolted deadend shoe and shifted outside the shoe at MSCC 0-1 is severely deformed
			RL	Range land - fenced yard at Midway substation

The

MSCC	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
MSCC Switchyard	N/A	N/A	4 CK	Cotter key on southeast dead end half way out
			1 BN	2 Bird nests on A-frame
MSCC Poles #0/1	N/A	N/A	5 HVS	HVS missing or needs replacing (6)
			5 D	Daylight between B pole and gain plates on station side (1/4" to 1/2")
			4 CK	Cotter pin for dead end shoe halfway out on C phase southside of structure.
			5 M	Missing pole number for 'C' pole
			M	
Western Substation	N/A	N/A	4 PI	Porcelain insulators very dusty - recommend cleaning at some point in the future
			2 OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage
			5 M	Discoloration (rust color) on top of East frame from previously installed device (now removed) that bleed rust - OK
			3 OI	Polymer D.E. insulators leaking
Western Substation	N/A	N/A	4 PI	Porcelain insulators very dusty - recommend cleaning at some point in the future
			2 OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage
MSCC Pole #0/2	OK	N/A		Conductor removed between MSCC 0/2 & 0/3
MSCC Pole #0/3	OK	N/A	4 LN	Loose nut on guy eye plate.
				Conductor removed between MSCC 0/2 & 0/3
			5 M	Missing (2) Stainless Steel hump back cotter keys on bent bolts above jumper insulators - A and B phases
MSCC Pole #0/4	OK	N/A	4 CK	Cotter key halfway out on top suspension insulator
			5 M	Bottom bolt on post insulators is loose (1/4"-1/2")
			5 M	Missing pole number
			5	Guys not taped
			5 CR	A pole splitting from ground to 1/2 way up - up to 1" wide and 8" deep
			3 LB	Loose bolts on gang operated switch
			5 HVS	HVS missing or needs replacing (2)
			5 GG	Replace UV damaged and missing guy guards

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS		
MSCC Pole #05	N/A	N/A		East and south of Western substation		
			5		M	Missing pole number
			5		CR	Spiral splitting 10' high 1" wide 6" deep
			4		LN	Loose nut - bottom bolt on all 3 post insulators is loose (1/4"-1/2")
			5		GG	Replace guy guards due to UV damage
MSCC Pole #06	OK	N/A		West of Victory substation		
			5		M	Missing pole number
			5		A	Anchors not taped
			4		CK	Cotter key halfway out on dead end shoe top phase East side.
			4		CK	Cotter key halfway out on dead end shoe bottom phase North side.
5	GG	Missing guy guards on down guys (2)				
Victory Substation "H" Str	N/A	N/A		In Victory substation		



Midway Sunset Work Order

WO# : 163781

Description: Annual Third Party Line Inspection

Work Type: **PM-REG**

Primary Assigned To: **DAYSHIFT**

Status: **Completed**

Assigned By:

Supervisor: **COREYL**

Created By

Reason:

Date Scheduled: **2/1/2025 12:00:00 AM**

Shift: **DAYSHIFT**

Project:

Reference: **YES**

Site Comments: Ensure that you copy, paste and fill out the latest version of the JSA into EVERY Work Order.

It can be found at O:Forms/JSA/MSCC JSA ATTACHMENT 1.

Asset/Procedure Combinations

Asset: **Y-LINE**

Generator lead Line

Location:

Serial No:

Model No:

Procedure: **INSP-ANNUAL TRANS**

Annual Third Party Line Inspection

Warranty Coverage: **No**

Perform While Asset Running: **Yes**

Perform While Asset Down: **No**

Tasks	Description	Est Down Hours	Safety	Date Completed
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INSP-ANNUAL TRANS

Annual Third Party Transmission Inspec.

0.00

Details: Call power engineers, ESI, at 1-800-266-2299 and schedule a technician to perform inspection in conjunction with plant operators.

Review report with pom, electrical eng., and compl. admn.

Submit within 30 days to cec.

Include in annual operation report.

Distribution:

1 - Cec 1 - Pom

1 - Compl. Admn. 1 - File

1 - Maint. Supv.

JSA

Job Safety Analysis

0.00

Details: ATTACHMENT 1

MSCC JOB SAFETY ANALYSIS (JSA) (pg 1 of 3)

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program) (mark the appropriate selection with an X).

Approval Clearance Permission

Date:

Enter Work Order Number: _____ OR Project ID Number _____

Printed Date:

1/21/2026 11:52:05 AM

Report ID: 1813

Page 1 OF 4



Midway Sunset Work Order

Job Scope Description:

Section B:

Three way communication is to be used at all times:

Pre-authorization checklist (all questions must be answered for all tasks) Yes-Y No-N Not Applicable-N/A

- Have appropriate SDSs been obtained and reviewed?
- Is the equipment de-energized?
- Is the equipment depressurized?
- Is the equipment drained?
- Have all valves been properly closed, blinded, tagged, (and locked)?
- Is the instrumentation tubing disconnected, depressurized, and capped?
- Has equipment been steamed or flushed?
- Has equipment been purged? If yes, how?
- Is equipment free of toxic, corrosive, or hazardous materials?
- Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.
- Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.
- Is the combustible gas test satisfactory(OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?
- Is a fire watch required and assigned?
- Have potentially affected drains been covered?
- Has appropriate personal protective equipment (PPE) been assigned (See Section D)?
- Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?
- Are personal grounds necessary?
- Is a Confined Space Permit (PO-MW-A-005, Confined Space Program) necessary? If so, ensure that it is implemented.
- Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.
- Are barricades necessary? If so, list types and locations (APM 130).
- Are other pre-authorizations necessary? If so, provide a list.
- Is there a permanent or portable eyewash station available for the work, if necessary?
- Is there a permanent safety shower available for the work, if necessary?
- Have the tailboard and Work Order review been completed?
- Has the work area been inspected for any other hazards?
- Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards.

Section C:

Precautions--See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP])(all questions must be answered for all tasks) Yes-Y No-N Not Applicable-N/A

- Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan).
- Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).
- Safe Lifting--Material Handling (APM 160).
- Lights (APM 118).
- Booms, Ladders, & Lifts (APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).
- Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).
- Safety Straps, Lifelines, Railings (APM 132).
- Safe Support and Scaffolds (APM 135).
- Portable Ladders (APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.
- Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).
- Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008,



Midway Sunset Work Order

Electrical Safety).

- Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).
- Qualified Electrical Workers(APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).
- Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE–Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions (all questions must be answered for all tasks).
 Yes-Y No-N Not Applicable-N/A

- Hard hat.
- EH rated leather boots.
- EH rated rubber boots.
- Safety glasses (protects eyes from flying debris).
- Goggles (protects eyes from liquids and flying debris).
- Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).
- Face shield (protects face only).
- FR/AR rated clothing.
- Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).
- Arc flash helmet (Class 2) and Balaclava; (PO-MW-A-008, Electrical Safety).
- Arc flash hood(Class 3); (PO-MW-A-008, Electrical Safety).
- Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).
- Class 0 rubber electrical gloves (1,000 V); (PO-MW-A-008, Electrical Safety).
- Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).
- Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Chromium. Hepa Filter Vacuum.
- Fall protection.
- Leather gloves.
- High-temp gloves.
- Rubber chemical gloves.
- Chemical rain suit.
- Tyvek suit.

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- Have personal grounds been removed?
- Have tags (and locks) been removed?
- Has housekeeping been addressed?
- Has pre-start up inspection been done?
- Has the work been completed?

List the personnel involved in this JSA:

WO	Write Work Order	0.00
	Details: <input type="checkbox"/> Write work order for any problems found and list work order number on PM form.	
REVIEW	Control Operator Review	0.00
	Details: <input type="checkbox"/> Control Operator review PM form. Ensure all lines checked or initialed.	
	<input type="checkbox"/> Verify the PM number is written on page 1 of the attachment.	
Total Est. Down Hours:		0.00



Midway Sunset Work Order

Completion Information:

Date: _____ Emp In _____ Hours: _____
Date: _____ Emp In _____ Hours: _____

Work Order Comments

Added By

Date



Midway Sunset Work Order

Coreyr

11/11/2025 7:19:32 .

11/11/2025 CR, Caelan/Mike from Power Engineers

The 3rd Party Generator Lead Line Inspection was done in conjunction with the Generator Lead Line 4th Quarter Inspection (WO167323). Notes are below.

Tail boarded task with control room operator and obtained the necessary authorizations to commence work. WO, JSA and Memo 4367 reviewed. Discussed area awareness, endangered species, and uneven walking surfaces and environmentally sensitive areas. H2S monitor #5 will be present. Began in SWYD and ended at structure 7-7.

11/12/2025 DG, Mike and Caelan from Power Engineers

Tailboarded task with control room operator and obtained the necessary authorizations to commence work. WO, JSA and Memo 4367 reviewed. Discussed area awareness, endangered species, uneven walking surfaces and environmentally sensitive areas. H2S monitor #5 will be present. Began structure 7-8 and ended at structure 17-1.

11/13/2025 CL, Mike and Caelan from Power Engineers

Tailboarded task with control room operator and obtained the necessary authorizations to commence work. WO, JSA and Memo 4367 reviewed. Discussed area awareness, endangered species, uneven walking surfaces and environmentally sensitive areas. H2S monitor #5 will be present. Began at structure 17-2 and completed inspection of the Generator Lead Line.

Notes as follows: There are 8 nests noted on the line at the following locations: 4-3, 4-5, 5-5, 6-2, 9-3, 9-4, 13-1, 18-5

Most of these nests are nothing more than a few twigs.

Trees in orchard are currently about 12' and there was no encroachment of the line.

Power Engineers comments are below.

MIDWAY SUNSET INSPECTION REPORT

Inspection date: 11/11/2025 -- 11/13/2025

1) When MSCC 0-2 was replaced with a taller 3 pole D.E. str, it lifted the conductor on the north side of MSCC 0-3 making the jumpers too short and slacking the jumper insulators on B & C. Suggest lengthening the jumpers to avoid clearance issues.



Midway Sunset Work Order

- 2) I suggest for the next scheduled maintenance outage all the conductor jumper terminals or bolted pads on the line be unbolted, cleaned and fresh NO-OX-ID (special electrical contact paste/grease) applied. Over time with weather (rain, heat and wind) this electrical compound works its way out of the connection.
- 3) Additionally there are several dead end structures that have had the strain insulators replaced but not the jumper insulators. These jumper insulators are showing a lot of UV damage. I would recommend changing these out during the next scheduled maintenance outage.
- 4) Oil field construction between structures 7-5 to 7-7 have removed O&M access roads. New access roads will need to be defined.
- 5) The static wire is grounded through the hardware it is attached to. There appears to be some carbon build up around the static shoe pin and link on the entire line that can cause some connectivity issues. Meaning poorly grounded static wire. Aerial inspection is required to confirm this.
- 6) At some point a total structure shake down on this line would be advised. Meaning going through and re-tightening every bolt on every structure due to pole shrinkage over the years. Ninety percent of the structures have air gaps on hardware or the spring washers are no longer collapsed.
- 7) All guy guards are due to be replaced as they have become brittle from UV rays. This should happen ASAP. There are quite a few Guards that are missing because they have snapped off the guys.
- 8) Several dead end and angle structures have daylight between the pole and hardware plates on the slack side of the pole; varying from 1/8" up to 1", caused by pole shrinkage over the years. This is not an immediate concern, but should be noted on subsequent inspections as a means to evaluate when and if work should be done to correct.
- 9) Several structures have loose or missing nuts in the V bracing (which is all the bracing above the double crossarm) or in the X bracing (which is the bracing below the double crossarm). All the missing nuts are either 1/2" or 5/8" square nuts. All loose or missing nuts, when tightened or new nuts installed should have MF locknuts installed as a deterrent to coming loose again. This has now led to some of the bolts falling out due to vibration and structure shifting.
- 10) Several tangent structures have daylight showing between the V and/or X bracing and the pole, varying from 1/16" up to 1/4", a result of pole shrinkage over the years. This is not an immediate concern, but should be noted on subsequent inspections as a means to evaluate when and if work should be done to correct.
- 11) Insulators in general looked good. Over the past few years most insulators have been changed out, so for the most part, the line is insulated very adequately for many years to come. In the few places that old insulators still exist, consideration should be given to continue with the change out to the new insulator types.
- 12) Updated 2016 comment - Noted in the comments section of the sheets are notes referencing Restricted Access to Structures and Unable to Access to Structure or to right-of-way. Restricted access applies to structures 9-2, and 9-3.5 to 9-6 (reduced from the past several years as they have removed some of the above ground pipe lines). At these sites oil well pipe (3 to 18 above ground pipe lines) has been installed restricting access to site by means of the established trail or restricting access by any means, short of creating access from a different road and then to the structures. Contact should be established with oil field representatives to come up with plan in the event of a major event that would require the accessing to structures in an emergency; or have a new access cleared and established that will allow access without



Midway Sunset Work Order

crossing over the above ground pipe lines.

13) This year, all structures located in range land areas have no vegetation growing around the structures.

14) Noted in the comments section for each structure, is the type of terrain the structure is located in (range land, cultivated crop or grove). While not required, it is a quick reference as to what conditions to expect when going to a specific location.

15) This year we noticed that there were a handful of structures that could be replaced due to the hardware pulling through the poles. There were a lot of guying issues that are causing issues to the poles such as deflection, which will limit the life of the pole. The daylight comments over the past years have compounded into structures shifting daylight from one side of the pole to the other and so forth causing the areas of separation to grow further apart. Would still recommend a shakedown of the structures that are showing daylight to give them better resilience in case of major weather.

MSCC JOB SAFETY ANALYSIS (JSA) (pg 1 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program) (mark the appropriate selection with an X).

X Approval Clearance Permission

Date: 11/11-13/2025

Enter Work Order Number: 163781/167323 OR Project ID Number:

Job Scope Description: Generator Lead Line Inspection

Section B:

Three way communication is to be used at all times:

Pre-authorization checklist (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

N/A Have appropriate SDSs been obtained and reviewed?

N/A Is the equipment de-energized?

N/A Is the equipment depressurized?

N/A Is the equipment drained?

N/A Have all valves been properly closed, blinded, tagged, (and locked)?

N/A Is the instrumentation tubing disconnected, depressurized, and capped?

N/A Has equipment been steamed or flushed?



Midway Sunset Work Order

- N/A Has equipment been purged? If yes, how?
- Y Is equipment free of toxic, corrosive, or hazardous materials?
- N/A Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.
- N/A Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.
- N/A Is the combustible gas test satisfactory (OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?
- N/A Is a fire watch required and assigned?
- N/A Have potentially affected drains been covered?
- Y Has appropriate personal protective equipment (PPE) been assigned (See Section D)?
- Y Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?
- N/A Are personal grounds necessary?
- N/A Is a Confined Space Permit (PO-MW-A-005, Confined Space Program) necessary? If so, ensure that it is implemented.
- N/A Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.
- N Are barricades necessary? If so, list types and locations (APM 130).
- N Are other pre-authorizations necessary? If so, provide a list.
- N/A Is there a permanent or portable eyewash station available for the work, if necessary?
- N/A Is there a permanent safety shower available for the work, if necessary?
- Y Have the tailboard and Work Order review been completed?
- N Has the work area been inspected for any other hazards?
- Y Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards. Refer to Memo 4367 Off-Site Hazards/Off-Site Work Authorization - 2011

ATTACHMENT 1

MSCC JOB SAFETY ANALYSIS (JSA) (pg 2 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section C:

Precautions--See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP]) (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- Y Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan).
- Y Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).
- N/A Safe Lifting--Material Handling (APM 160).
- N Lights (APM 118).
- N/A Booms, Ladders, & Lifts (APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).
- N/A Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).
- N/A Safety Straps, Lifelines, Railings (APM 132).
- N/A Safe Support and Scaffolds (APM 135).
- N/A Portable Ladders (APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.
- N/A Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).
- Y Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical



Midway Sunset Work Order

Safety).

Y Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).

N/A Qualified Electrical Workers (APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).

N/A Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE–Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

Y Hard hat.

Y EH rated leather boots.

N/A EH rated rubber boots.

Y Safety glasses (protects eyes from flying debris).

N/A Goggles (protects eyes from liquids and flying debris).

N/A Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).

N/A Face shield (protects face only).

Y FR/AR rated clothing.

N Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).

N/A Arc flash helmet (Class 2) and Balaclava; (PO-MW-A-008, Electrical Safety).

N/A Arc flash hood (Class 3); (PO-MW-A-008, Electrical Safety).

N/A Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).

N/A Class 0 rubber electrical gloves (<1,000 V); (PO-MW-A-008, Electrical Safety).

N/A Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).

N/A Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Chromium. Hepa Filter Vacuum.

N/A Fall protection.

Y Leather gloves.

N/A High-temp gloves.

N/A Rubber chemical gloves.

N/A Chemical rain suit.

N/A Tyvek suit.

Y Personal H2S Monitor for Offsite work.

Y Snake Chaps for Offsite Hiking\Walking. 

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

N/A Have personal grounds been removed?

N/A Have tags (and locks) been removed?

N/A Has housekeeping been addressed?

N/A Has pre-start up inspection been done?

Y Has the work been completed?

List the personnel involved in this JSA: CR, DG, CL, Power Engineers Personnel (2)



Midway Sunset Work Order

Filter:
pkey = 149570

Appendix D

Transmission Line Inspection Third Party

MIDWAY SUNSET INSPECTION REPORT

Inspection Dates: 11/11/2025 through 11/13/2025 WO# 167323

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
1-1	9 new anchors installed 8/2015	N/A	5 CGP	(5) Guys not attached to cow guard poles in pasture land.
			5 D	Daylight between pole and pole eye plates - several dead end attachment items are loose (show daylight), but secure. These are a result of pole shrinkage over the years
			5 D	Daylight between south guy attachment and pole and pole eye plates - up to 1/4"-3/4"
			5 HVS	HVS missing or needs replacing (3)
			2 RP	B pole split at phase position and eye plate is pulling through structure, potential anti-split bolts to close the split as a temp fix
			4 PG	Grounding at C phase hardware pulled out
			3 LG	(3) Loose guy wires on the northside of the three pole structure backing up the phases.
			0 RL	Range land;
1-2	OK	COND AND EHS BOTH - AH and BK	5 CR	Spiral crack, A & C poles full length
			5 CR	C pole horizontal insulator hardware bolt in crack
			5 HVS	HVS missing or needs replacing (2)
			5 GG	Guy guards missing need replacing due to uv damage
			4 CK	Turnbuckle on pole C has a cotter key halfway out
			3 LN	Loose nut at the turnbuckle B phase
			3 LG	(1) Bisecting guy wire supporting the static needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
			4 S	Pole grounds need staples replaced on all three poles
0 RL	Range land;			
1-3	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on B phase center bottom V brace
			5 HVS	HVS missing or needs replacing (1)
			4 PG	Pole ground loose Pole B
			5 SWTD	Spring Washer turned down on lower X brace B pole/ All of the nuts need to be tightened
			0 RL	Range land;
1-4	N/A	N/A	4 LN	(1) 1/2" bolt backed out 3/8" under center bottom V brace and top V brace at A pole
			5 D	Daylight between Knee brace and A & B poles (less than 1/4")
			5 D	Daylight between top of X brace and A pole (less than 3/8")
			4 BW	End of bird wire loose above A phase
			5 XB	X-braces starting to de-laminate.
			4 LN	Loose bolt top knee pole A
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land;
1-5	N/A	COND AND EHS BOTH - AH and BK	5 S	Ground wire staples on A pole coming out in several places
			4 BW	Loose bird wire over B and C phase
			5 CR	A & B pole shield wires kicked BOL hard on static bar and. C phase AOL
			0 RL	Range land;
1-6	N/A	N/A	5 SWTD	Spring Washer turned down on upper X brace A pole
			5 XB	X-braces starting to de-laminate.
			0 RL	Range land;
1-7	N/A	COND AND EHS BOTH - AH and BK	4 BW	Bird wire coming loose above A phase
			5 CR	Crack in A pole is up to 1" wide 10' up
			5 D	Daylight at C phase V brace @ pole 1/8" gap
			5 D	Daylight at bottom of X brace at both A and B pole (<1/8")
			5 HVS	HVS missing or needs replacing (3)
0 RL	Range land;			
1-8	7 new anchors installed 8/2015	N/A	5 CR	A & C pole split at shield wire hardware attachment
			5 S	Ground wire staples in various places coming out on A, B, C poles
			5 D	Daylight between pole eye plate and pole on A, B, C poles (1/4" to 1/2")
			5 HVS	HVS missing or needs replacing (3)
			5 GG	Guy Guards missing (3) Replicae remaining due to uv damage
			4 LN	C phase suspension shoe has loose nut
			4 CGP	2 Cattle rub poles broken off
0 RL	Range land;			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS				
2-1	N/A	COND AND EHS BOTH - AH and BK	5	CR	Bottom X brace hardware in crack			
			4	MN	Missing (1) 1/2" nut on bottom Knee brace on pole A			
			5	GW	Ground wire (normally above pole tops) bent down below top of pole			
			5	HVS	HVS missing or needs replacing (4)			
			4	LB	Bottom of the V brace has a bolt backing out and on upper V-brace at pole B			
			4	BW	Loose bird wire over B phase			
			5	S	Ground wire staples on A and B poles missing in upper portion of pole			
			0	RL	Range land.			
			2-2	N/A	N/A	4	MN	Missing (1) 1/2" nut and (1) 1/2" lock nut on X bracing center clamp
						4	LN	A pole top X brace - loose bolt backed out 1/2"
5	S	Ground wire staples on B pole coming out above cross arm						
5	D	Daylight between B pole and bottom X brace attachment (1/8")						
5	S	A pole top ground wire loose from top of pole						
5	HVS	HVS missing or needs replacing (3)						
0	RL	Range land.						
2-3	N/A	COND AND EHS BOTH - AH and BK				5	CR	Large split on the top of B pole; at static rail attachment (1 side of pole only). Spiral cracking, up to 10' (1' wide)
			5	S	Ground wire staples in several places on B pole bottom are backing out			
			5	GW	Ground wire (normally above pole tops) bent down below top of pole			
			5	D	Daylight between A pole and upper X brace (1/8")			
			5	HVS	HVS missing or needs replacing (2)			
			5	BW	Bird wire hanging over C phase			
			4	BW	Bird wire end loose above B pole and hanging down			
			0	RL	Range land.			
			2-4	N/A	N/A	5	D	Daylight between B pole and bottom X brace (1/8")
						4	BW	Bird wire end loose above B phase, but not hanging down
5	CR	Minor cracking in various places going up A & B poles						
4	EHS	Static shoes and suspension insulators pulled AOL 2"						
5	HVS	HVS missing or needs replacing (3)						
0	RL	Range land.						
2-5	N/A	COND AND EHS BOTH - AH and BK	4	MN	Missing (1) 5/8" nut above C phase inside crossarm; and Loose (1) 1/2" bolt backed out 1/8" upper outside V brace B pole			
			4	EHS	A pole shield wire BOL (approx. 2")			
			5	COND	A phase AOL 3-4" due to structure twist			
			5	HVS	HVS missing or needs replacing (2)			
			5	SWTD	Loose bolt bottom x brace B pole spring washer turned down			
			5	BGW	Bird guard has fallen off of knee brace			
			0	RL	Range land.			
2-6	2 new anchors installed 8/2015	N/A	4	LN	Loose (1) 1/2" bolt backed out 1/8" upper outside knee brace A pole			
			5	D	Daylight between A pole and top outside V brace (1/8")			
			5	D	Daylight between pole and guy wire brackets - up to 1/4"			
			5	HVS	HVS missing or needs replacing (4)			
			5	BW	Both Bird wires loose on V-brace			
			6	GG	Missing Guy Guards			
			0	RL	Range land.			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
2-7	8 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D	Daylight between pole eye plate and pole on guy attachment on A, B and C poles (up to 1/2')
			5 CGP	Cow guard pole is broken off (C pole) and needs to be replaced
			5 GG	Guy Guards missing (6) Replace remaining due to uv damage
			5 S	Ground wire on B & C poles loose in several areas
			5 HVS	HVS missing or needs replacing (2)
			4 WP	Wood pecker damage on pole C 15' above groundline
			3 LG	Loose guy wire at static that ties all three structures together. Bisecting guy wire supporting the static also needs adjusted. All three poles are bowed into the angle above phases due to improper guy tensions.
			1 CK	Coller key half way out on fiberglass guy insulator for pole B
			0 RL	Range land;
			2-8	N/A
4 BGW	Missing ground wire on B pole in X-brace area - due to many staples missing			
5 D	Daylight between upper V brace on A and B poles			
5 CR	A & B pole crack at hardware			
5 CR	B pole upper X-brace HDW in cracks			
5 CR	B pole cracking full length 1/4" to 3/4" wide			
5 D	Daylight between A pole and bottom X brace (1/8")			
4 EHS	Both shield wires BOL 1"			
4 BW	Birdwire hanging over B phase on V brace			
4 BW	Birdwire hanging over C phase on knee brace			
4 S	Staples missing on A pole ground wire			
0 RL	Range land;			
3-1	N/A	COND AND EHS BOTH - AH and BK		
			5 HVS	HVS missing or needs replacing (4)
			0 IP	Inproper pin used on static shoe on pole B. It is long giving the appearance it is falling out.
			4 BW	Bird wire end loose on both knee braces
			0 RL	Range land;
3-2	N/A	N/A	5 CR	B pole vertical cracking full length 4-6 ft.
			5 COND	A phase Cond AOL 3"
			5 EHS	Static A pole BCL 1/2"
			5 SWTD	Spring Washer turned down on bottom X brace A pole
			5 HVS	HVS missing or needs replacing (2)
			4 BW	Birdwire hanging over B phase on V brace
			5 SWTD	Spring washer turned down on the bottom X brace B pole
			4 LN	Loose nut lower X brace on pole A
			1 BN	New birds nest over B phase
			0 RL	Range land;
3-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment (up to 1/4')
			5 D	Daylight between top V brace and B Pole
			5 D	Daylight between B pole and V brace - up to 1/4"
			5 D	Daylight between B pole and upper V Brace - up to 1/4"
			5 CR	A and B poles have splits
			5 HVS	HVS missing or needs replacing (4)
			5 D	Daylight between knee brace and pole A
			4 LB	Loose bolt bottom knee C phase
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
3-4	N/A	N/A	5 D Daylight between bottom X brace and A pole - up to 1/8"				
			5 CR A and B poles have splits				
			4 BW Bird wire loose above A phase				
			5 CR B pole shield wire brace bolt in crack				
			5 HVS HVS missing or needs replacing (4)				
			0 RL Range land;				
3-5	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole X brace hardware bolt in crack				
			5 CR A & B pole minor cracks				
			5 D Daylight between A pole and bottom X brace				
			5 D Daylight between B pole and upper X brace				
			5 HVS HVS missing or needs replacing (3)				
			5 D Daylight between the knee brace and pole A				
			1 BW No bird wire on structure				
			1 BN New birds nest over B phase				
						0 RL Range land;	
3-6	2 new anchors installed 8/2015	N/A	5 CR At top of A pole where static rail attaches, there is a big crack on both sides of pole - no concern at this time. (repair would be 12" or 14" anti split bolt with 4"x4" curved washers, spring washers, # 6 copper for bonding, below rail).				
			4 BW Bird wire coming loose above C phase				
			4 LN Loose (1) 1/2" nut on V brace to B pole				
			5 CR A pole lower X-brace hardware bolt in crack				
			5 S B pole ground wire staples gone 2/3 ways up pull, 10" loose				
			5 D Daylight between B pole and lower X brace attachment				
			4 BW Bird wire hanging off Knee brace over C phase				
			5 GG Guy guards missing				
			5 HVS HVS missing or needs replacing (4)				
						0 RL Range land;	
			3-7	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between A pole and lower X brace attachment	
4 BW Bird wire B phase loose							
						0 RL Range land;	
4-1	N/A	N/A	5 CR B pole X brace has vertical crack at hardware attachment				
			5 CR A & B poles minor cracking				
			5 CR X-brace hardware in several cracks				
			5 D Daylight between knee brace and B pole - up to 1/4" daylight				
			5 HVS HVS missing or needs replacing (1)				
			0 RL Range land;				
4-2	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole vertical crack from ground to X-brace				
			5 CR B pole crack ground up to 10'				
			5 CR A & B brace bolts are thru cracks				
			5 HVS HVS missing or needs replacing (2)				
						0 RL Range land;	
4-3	N/A	N/A	5 CR B pole - EHS attachment bolt in crack				
			4 BW Missing bird wire ends above A and C phases				
			5 HVS HVS missing or needs replacing (2)				
			4 S Pole B missing staples in pole ground about halfway up				
			1 BN Bird Nest over B phase				
			4 BW Bird wire hanging over B phase				
			0 RL Range land;				
4-4	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole, large crack, ground to 10' - up to 3/4" wide				
			5 D Daylight between A pole and lower X brace attachment				
			5 HVS HVS missing or needs replacing (1)				
						0 RL Range land;	
4-5	N/A	N/A	5 CR A- Pole vertical crack 20' up, 7" deep, 1/2" wide				
			4 BW Bird wire coming loose above B phase				
			4 GW Ground wire pole B missing staples				
			5 D Daylight between A pole and bottom X brace attachment - up to 1/8"				
			5 HVS HVS missing or needs replacing (1)				
			0 RL Range land;				
4-6	N/A	COND AND EHS BOTH - AH and BK	5 CR B pole vertical cracking to 20' - first 8' up to 3/4" wide and up to 9" deep				
			4 BW Bird wire coming loose above C phase				
			5 CR Crack in B pole - ground to 9' - 1" wide up to 9" deep				
			5 HVS HVS missing or needs replacing (2)				
			5 SWTD Spring washer top of X brace at pole A turned down				
						0 RL Range land;	
5-1	N/A	N/A	5 M Bike rack chained to base of B pole				
			4 MN Loose (1) 5/8" nut above C phase inside crossarm				
			4 MN Missing (1) 3/4 nut on crossarm above A phase - crossarm to phase bracket				
			4 BW Structure missing all bird wire				
			5 HVS HVS missing or needs replacing (1)				
			0 RL Range land;				
5-2	N/A	COND AND EHS BOTH - AH and BK	5 CR A pole spiral cracking - with conductor crossarm bolt in crack				
			4 BW Structure missing all bird wire				
			5 HVS HVS missing or needs replacing (1)				
			4 GW Ground wire loose on pole B				
			0 RL Range land;				

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
5-3	2 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5 CR	Top of B pole split at EHS attachment
			5 CR	Minor cracking entire length - B pole
			5 HVS	HVS missing or needs replacing (1)
			4 BW	Structure missing all bird wire
			5 GG	Replace guy guards due to uv damage
			0 RL	Range land.
5-4	N/A	COND AND EHS BOTH - Only BK	5 CR	A pole - vertical crack at crossarm bolt
			5 D	Daylight between A pole and V brace
			4 BW	Bird wire end hanging above B phase
			4 LN	Loose 1/2 inch nut bottom of knee brace over C Phase
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land.
5-5	N/A	COND AND EHS BOTH - AH and BK	4 BW	Bird wire end loose on knee brace above C phase
			4 MN	Missing (1) 5/8" nut above A phase inside crossarm
			5 SWTD	B pole - top of lower X brace - spring washer turned down
			5 CR	B pole - lower X-brace - upper bolt in large crack
			5 CR	Vertical crack at X brace attachment
			4 MN	Missing 1/2 inch locknut on X-brace clamp.
			1 BN	Bird nest at B pole
			4 EHS	East static shoe pulled BOL
			4 LN	Loose nut upper X brace pole B
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS			
5-6	7 new anchors installed 8/2015	N/A	5 CR B pole vertical cracking				
			5 CR Guy brace on C pole - bolt thru crack				
			5 HVS HVS missing or needs replacing (3)				
			5 GG Replace guy guards due to uv damage				
			4 S Loose ground wires about 10' to 20' on A & B poles				
			0 RL Range land;				
5-7	4 new anchors installed 8/2015	COND AND EHS BOTH - Only BK	5 M SS hump back cotter key on socket clevis - B phase needs to be tapped in place next time crews are working on structure (this has been out since insulators were installed); and SS hump back key only half way in on yoke plate, same assembly				
			5 D Daylight between A pole and guy attachment hardware - up to 1/2"				
			5 D Daylight between B pole and guy attachment hardware - up to 1/4"				
			5 CR A pole spiral cracking				
			5 CR B pole vertical cracking				
			5 GG Replace guy guards due to UV damage				
			5 HVS HVS missing or needs replacing (2)				
			0 RL Range land;				
			6-1	N/A	N/A	5 D Daylight between guy support and A Pole	
						COND A & C phase insulators BOL 3-5"	
COND A phase highest sag - B phase mid sag - C phase lowest sag							
5 HVS HVS missing or needs replacing (1)							
3 EC Pole A six feet from a steep embankmen, needs erosion control. This year is at 4 1/2'							
0 RL Range land;							
COND A & C phase BOL 2-3"							
6-2	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between A pole and upper X brace				
			5 HVS HVS missing or needs replacing (2)				
			3 EC Pole A ten feet from a steep embankmen, needs erosion control.				
			5 D Air gap at knee braces on poles A & B				
			5 D Daylight at lower X brace and pole B				
			0 RL Range land;				
			COND A & B phase BOL 2-3"				
6-3	N/A	N/A	5 CR A & B poles, minor spiral cracking				
			5 CR B pole shield wire hardware bolt in crack				
			5 D Daylight between B pole and bottom X brace				
			5 CR Crossarm bolting in spiral crack				
			4 LB Loose bolt bottom knee A phase				
			5 HVS HVS missing or needs replacing (2)				
			0 RL Range land;				
6-4	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 D Daylight between pole and guy attachments				
			5 HVS HVS missing or needs replacing (1)				
			2 CK Cotter key halfway out where turnbuckle meets insulator on C phase				
			4 HDW B phase hardware is pulling through the pole				
			0 RL Range land;				
6-5			5 D Daylight between A pole and knee brace - up to 1/4"				
			5 CR A & B poles minor cracking				
			5 HVS HVS missing or needs replacing (1)				
			4 GW Ground wire loose on pole B				
			4 LB Loose bolt top knee A phase				
			5 XB X-brace starting to de-laminate.				
			1 BN Birds nest B pole				
			0 RL Range land;				
			COND A & B phase BOL 2-3"				

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS				
6-6	SEE NOTE	COND AND EHS BOTH - AH and BK	5	M	Guy pole bands on A and B poles slipped down pole initially - no movement over the past several years. No lags in pole bands to hold position with pole shrinkage. Pole bands are missing brackets and a through bolt to keep from sliding down poles.			
			3	PB	Pole b missing staples in pole ground about halfway up			
			1	OJI	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage			
			5	GG	Missing (1) yellow guy guard - also guy guard post to attach guy wire to is broken off - should be replaced at some point in time			
			5	S	A, B, & C ground wires pulled away from poles (up to 10')			
			5	CR	A & C poles, minor vertical/spiral cracking			
			5	D	Daylight between C pole and guying attachment - up to 1/2"			
			5	HVS	HVS missing or needs replacing (1)			
			5	GG	Replace guy guards due to uv damage			
			1	OI	North A phase insulator has a torn shed			
			5	LG	B pole guy wire is slacked causing the pole to deflect with angle, Looks like anchor has pulled loose			
			0	RL	Range land;			
			7-1	N/A	N/A		COND	BOL sag off - B & C phase insulators AOL (A phase sag lowest - B phase middle sag - C phase sag highest)
5	HVS	HVS missing or needs replacing (3)						
5	D	Daylight between B pole and lower X brace						
5	CR	Lower X-brace bolt through large crack						
4	XB	X-brace starting to de-laminate.						
5	CR	Static shoe at pole A AOL 1 1/2 "						
4	BW	Loose bird wire on knee brace above C phase						
0	RL	Range land;						
7-2	N/A	COND AND EHS BOTH - AH and BK				5	D	Daylight between A pole and bottom X brace
						5	CR	Vertical cracking B pole
			5	HVS	HVS missing or needs replacing (2)			
			0	RL	Range land;			
			7-3	N/A	N/A		COND	B & C phase insulators AOL - 2"
5	D	Daylight between B pole and V brace						
5	SWTD	A pole - bottom of X brace - spring washer turned down						
5	S	Staples on B pole coming out - 2/3 pole length						
5	HVS	HVS missing or needs replacing (1)						
0	RL	Range land;						
7-4	N/A	COND AND EHS BOTH - AH and BK	5	CR	B pole top is splitting, spiral cracking on A pole			
			5	SWTD	B pole - bottom of X brace - spring washer turned down			
			5	HVS	HVS missing or needs replacing (2)			
			5	XB	X-brace starting to de-laminate.			
			4	LB	Loose bolt top V pole A			
			0	RL	Range land;			
7-5	N/A	N/A	4	LN	Loose (1) 1/2" nut on bottom outside knee brace above C phase			
			4	LN	Loose (1) 1/2" nut on bottom center phase V brace			
			4	MN	Missing (1) 1/2" nut on bottom center phase V brace			
			5	D	Daylight between A pole and V brace			
			5	D	Daylight between A pole and upper X brace			
			5	CR	A & B poles minor cracking			
0	RL	Range land;						
7-6	N/A	COND AND EHS BOTH - AH and BK	5	D	Daylight between top X bracing and both poles - up to 3/8"			
			4	LN	Loose (1) 1/2" nut on center bottom V brace			
			5	HVS	HVS missing or needs replacing (2)			
			5	LB	Loose bolt on the bottom X brace at pole B			
			4	LN	Loose nut lower knee brace A phase			
			4	LB	Loose bolt lower knee brace A phase			
			0	RL	Range land;			
4	LN	Loose (1) 1/2" nut on bottom knee brace - above A phase						

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
7-7	N/A	N/A	5 CR	Spiral cracking B pole at bottom of X-brace
			4 XB	X-brace starting to de-laminate.
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land.
7-8	N/A	COND AND EHS BOTH - AH and BK	5 CR	B pole shield wire bolt in crack
			5 CR	Spiral cracking middle of B pole
			4 LN	Loose nut bottom X brace on pole B
			4 LB	2 Loose bolts upper knee brace A phase
			0 RL	Range land.
8-1	N/A	OK	4 MN	Missing (1) 1/2" nut on bottom center V brace, and loose (1) 1/2" nut on bottom center V-brace
			5 CR	B pole crack at X brace attachment bolt
			5 CR	A & B pole spiral cracking
			4 LB	Loose bolt lower knee braces over A phase
			0 RL	Range land.
8-2	7 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 S	Loose staples on A, B and C poles
			5 D	Daylight between guy / conductor attachment on A & B pole - up to 1/2" at top for guy; and up to 1" for conductor
			5 D	Daylight between guy / conductor attachment on B pole - up to 3/8"
			5 CR	B & C phase insulator hardware bolts are in or next to vertical cracks
			5 CR	A and B pole shield wire hardware bolts in cracks
			5 HVS	HVS missing or needs replacing (4)
			5 GG	Replace guy guards due to uv damage
			0 RL	Range land.
8-3	10 new anchors installed 8/2015	N/A	5 D	Daylight between grid gains on conductor attachment side, all poles - A & B phase up to 1/2"; C phase up to 1"
			1 OJI	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage
			5 HVS	HVS missing or needs replacing (1)
			1 CK	Cotter key on both shoes for A&B phases half way out
			1 CK	Cotter key halfway out on lower guy pole C
			5 GG	Replace guy guards due to uv damage
			1 OJI	Replace jumper insulators due to UV damage
			0 RL	Range land.
8-4	N/A	COND AND EHS BOTH - AH and BK	5 S	Missing staples on lower portion of A pole
			4 EHS	Shield wire attachments on both sides of structure pulled BOL up to 2"
			5 D	Daylight between A pole and bottom X brace - up to 1/8" gap
			5 HVS	HVS missing or needs replacing (2)
			0 RL	Range land.
8-5	N/A	N/A	5 HVS	HVS missing or needs replacing (2)
			5 GG	Replace guy guards due to uv damage
			1 CK	Cotter key 1/2 out B phase
			4 S	Staples missing out of ground wires on both poles A & B
			0 RL	Range land.
8-6	2 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 CR	A pole shield wire bolt in crack
			5 CR	Upper V-brace bolt at B pole in crack
			5 CR	B pole crack FROM ground to 10' up (6" deep X 1" wide)
			5 EHS	Static shoe at pole A BOL 1"
			4 LN	Loose nut top V-brace A pole
			0 RL	Range land.
8-7	N/A	N/A	5 CR	A pole has crack 6" deep and 1" wide from ground level to 12' up
			4 MN	Missing (1) 1/2" nut on center bottom V brace
			4 LN	Loose nut upper X brace pole B
			0 RL	Range land.
8-8	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	1 OI	Old style braced post insulator assemblies still in place - recommend change out to new insulators during next scheduled outage
			5 D	Daylight between C pole insulator plate, upper bolt head out 1/4" from plate
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work
			5 HVS	HVS missing or needs replacing (4)
			5 GG	Guy guards need replacing due to uv damage
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
9-1	N/A	N/A	5 CR	A pole vertical split from ground to 30' - at 10', 1-1/2" wide crack up to 9" deep
			5 D	Daylight between A and B poles lower X brace attachment - up to 1/8"
			5 RA	Restricted access - single twisted wire on steel posts to keep oil field traffic within bounds - should be no issue if access needed to get to structure site for work
			5 HVS	HVS missing or needs replacing (1)
			0 RL	Range land.
9-2	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"
			5 CR	B pole cracked at upper hardware
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road (BOL) then on ROW
			5 EHS	Static shoe on B pole BOL 1 1/2"
			5 D	Daylight showing on the knees & Vs at poles A & B
			4 LB	Loose bolt knee brace on pole A
			0 RL	Range land.
9-3	N/A	N/A	5 BW	Missing bird wire above C phase.
			5 M	Distribution line approx. 20 ft BOL from structure
			1 RA	Existing access restricted - above ground piping blocking access (up to 16 pipes at this time) - if needing to access structure come in from cross road then on ROW
			4 LB	Loose bolt upper X brace on pole B
			0 RL	Range land.
9-3.5	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 1/2" nut on bottom center V bracing - above crossarm
			5 D	Daylight between B pole and bottom X brace attachment - up to 1/8"
			EHS	B pole shield wire AOL 2"
			1 RA	Existing access restricted - above ground piping blocking access (up to 18 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (4)
			4 S	Staples missing on pole ground for pole B
			4 BW	No bird wire on structure
0 RL	Range land.			
9-4	N/A	N/A	5 D	Daylight between A pole and V brace
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (2)
			1 BN	Bird nest over B phase
			3 EHS	Both static shoes kicked BOL 1 1/2"
			4 BW	No bird wire on structure
0 RL	Range land.			
9-5	N/A	COND AND EHS BOTH - AH and BK	EHS	Shield wire on B pole pulled BOL approx. 1"
			4 MN	Missing (1) 1/2" nut and loose (1) 1/2" nut on bottom center V brace
			5 CR	B pole split 10' x 1/2" x 6" depth
			1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			5 HVS	HVS missing or needs replacing (1)
			4 S	Missing staples for ground wire Pole B
			4 LB	Loose 1/2 bolt in the upper X-brace pole B
4 BW	No bird wire on structure			
0 RL	Range land.			
9-6	N/A	N/A	1 RA	Existing access restricted - above ground piping blocking access (up to 6 pipes at this time) - if needing to access structure come in from cross road then on ROW
			M	Distribution line approx. 12 ft BOL from structure
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			0 RL	Range land.
9-7	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom center V brace
			4 MN	Missing (1) 1/2" nut on bottom outside Knee brace on A phase, and (1) 1/2" bolt head backed out a bit
			M	New road past structure to well site - AOL
			5 HVS	HVS missing or needs replacing (4)
				Spiral on static touching shoe
			4 BW	No bird wire on structure
0 RL	Range land.			
10-1	9 new anchors installed 8/2015	COND AH - no EHS	M	New C pole installed fall of 2014
			5 D	Daylight between pole and gain plates and hardware (3 places) for conductor attachment to eyebolts on AOL side
			5 CR	B & C starting to develop a split
			2 GG	Missing (8) guy guards
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
0 RL	Range land.			
10-2	N/A	N/A	4 LN	Missing (1) 1/2" nut on bottom center V brace
			4 LN	Loose (2) 1/2" nuts on bottom outside V brace above C phase
			5 CR	A pole 3/4" - 1" crack ground to 15'
			5 D	Daylight between B pole and bottom X brace
			5 D	Daylight between B pole and upper V brace
			5 HVS	HVS missing or needs replacing (2)
			4 BW	No bird wire on structure
0 RL	Range land.			
10-3	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut on bottom center V brace
			4 LN	Loose (1) 1/2" nut on bottom X brace to B pole
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
			0 RL Range land;	
10-4	N/A	N/A	4 LN Loose (1) 1/2" nut on bottom outside knee brace on C phase	
			5 M Minor shotgun damage on both poles	
			5 SWTD A pole - bottom X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			0 RL Range land;	
10-5	N/A	COND AND EHS BOTH - AH and BK	5 EHS East shield wires pulled ACL approx. 1"	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			4 LB Loose bolt upper X brace at pole B	
			0 RL Range land;	
10-6	N/A	N/A	4 MN Missing (2) 1/2" nuts and (1) loose 1/2" nut on bottom center V bracing	
			5 D Daylight between upper V brace and A pole	
			5 SWTD B pole - top X brace - spring washer turned down	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			0 RL Range land;	
10-7	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut on upper X brace A pole and bolt has backed out 1/8"	
			5 D Daylight between bottom X bracing and V bracing and pole, on A pole side - less than 1/4"	
			5 D Daylight between B pole and upper V braced V bracing and pole, on A pole side - less than 1/4"	
			5 EHS B pole shield wire pulled ACL approx. 1"; and A pole shield wire pulled BOL approx. 1"	
			5 CR Crack on B pole @ upper X brace	
			5 HVS HVS missing or needs replacing (4)	
			4 BW No bird wire on structure	
			0 RL Range land;	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
10-8	N/A	N/A	5 D	Daylight between upper V brace and A and B poles - up to 1/4"
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"
			3 EHS	A pole shield wire pulled BCL up to 2"
			4 MN	Missing (2) 1/2" nuts - 1 on bottom knee brace - A and C phase
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			0 RL	Range land;
11-1	N/A	COND AND EHS BOTH - AH and BK	4 MN	Missing (1) 1/2" nut on bottom center V brace
			5 D	Daylight between A pole and upper V brace
			5 CR	Crack on A pole - 5' up 4' long - 1" wide x 4" deep
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			0 RL	Range land;
			11-2	N/A
5 D	Daylight between upper V brace and A pole			
5 SWTD	B pole - top X brace - spring washer turned down			
5 HVS	HVS missing or needs replacing (4)			
4 BW	No bird wire on structure			
3 MB	(2)Missing bolt upper X brace pole A			
0 RL	Range land;			
11-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between bottom of upper X bracing and bottom of lower X bracing on both A and B poles - less than 1/4"
			5 CR	A pole has crack 7/8" wide x 4" deep near bottom of pole
			5 HVS	HVS missing or needs replacing (2)
			5 D	Daylight showing on knee brace at pole B
			4 BW	No bird wire on structure
				Loose bolt V brace pole B
			4 LB	Loose bolt upper knee brace A phase
0 RL	Range land;			
11-4	N/A	N/A	5 S	Loose ground wire B pole - 15' up
			5 CR	Crack on B pole - 3/4" wide from 5' to 20' up pole
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
			0 RL	Range land;
11-5	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between upper outside knee bracing and B pole - up to 1/4"
			5 D	Daylight between lower X brace and B pole
			5 D	Daylight between B pole and bottom of upper X brace attachment - up to 1/8"
			5 SWTD	B pole - top X brace - spring washer turned down
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
			5 XB	Both stels of X braces de-laminating
			4 LB	Loose bolt V brace over B phase
			4 LB	Loose bolt knee brace over C phase
			1 SN	Structure number is missing
			0 RL	Range land;
11-6	N/A	COND AND EHS BOTH - AH ONLY	4 MN	Missing (1) 1/2" nut on bottom center V brace
			4 MN	Missing (1) 1/2" lock nut on X bracing center clamp
			5 S	A pole ground wire loose 10' up pole
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Upper X brace 1/2 bolt loose on pole B
			4 BW	No bird wire on structure
			4 LB	Loose bolt knee brace over A phase
0 RL	Range land;			
11-7	N/A	N/A	4 LN	Loose (1) 1/2" bolt on bottom center V brace pole B - head backed out 1/16"
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
			0 RL	Range land;
12-1	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between upper outside V bracing and a Pole - up to 1/4"
			5 D	Daylight between A pole and bottom X brace attachment - up to 1/8"
			5 CR	Crack on B pole along bottom X brace, continue to monitor
			5 HVS	HVS missing or needs replacing (4)
			5 SWTD	Spring washer turned down lower X brace A pole
			4 BW	No bird wire on structure
			4 LB	2 Loose bolts upper V brace at poles A & B
0 RL	Range land;			
			1 MN	Missing (1) 1/2" nut, (1) 1/2" lock nut and loose 1/2" lock nut on upper X bracing center clamp

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
12-2	N/A	N/A	5 MN	Missing 1/2 lock nut on lower X brace clamp
			5 SWTD	Spring washer turned down on upper X brace pole B
			5 D	Daylight between upper V brace and B pole - up to 1/2"
			5 D	Daylight between bottom X bracing and A and B poles
			5 HVS	HVS missing or needs replacing (4)
			4 BW	No bird wire on structure
			4 LB	Loose bolt upper knee brace pole A
			0 RL	Range land;
12-3	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between A pole and upper X brace attachment; and between B pole and lower X brace attachment (up to 1/8")
			5 CR	Crack on A pole from ground to 18" up
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			1 BN	Birds nest over B phase
			4 LB	Loose bolt lower knee over A phase
			0 RL	Range land;
12-4	N/A	N/A	5 D	Daylight between B pole and lower X brace attachment
			5 HVS	HVS missing or needs replacing (3)
			4 BW	No bird wire on structure
			4 LB	Bolt falling out upper X Brace A pole
			4 LB	Loose bolt upper knee brace pole B
			0 RL	Range land;
12-5	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose (1) 1/2" nut - bolt backed out 1/2" on upper knee brace B pole
			5 CR	A pole crack 5' to 7' up, 7"+ deep
			4 MN	Missing (1) 1/2" locknut on X brace center clamp
			5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land;
12-6	N/A	N/A	5 D	Daylight between upper V brace and A pole - up to 1/4 -1/2"
			5 D	Daylight between bottom X brace A and B poles - up to 1/4"
			4 LN	Loose (1) 1/2" nut on bottom X brace B pole
			5 CR	Crack in A pole at bottom X brace - 1/2 to 3/4 wide
			5 HVS	HVS missing or needs replacing (2)
			4 LB	Loose bolt upper V brace at pole B
			3 CK	Color Key coming out of B phase clevis
			0 RL	Range land;
12-7	N/A	COND AND EHS BOTH - AH and BK	5 D	Daylight between bottom X brace and A pole
			5 CR	Crack in B pole in area from crossarm to V brace, spiral bolt to bolt
			5 SWTD	B pole - top X brace - spring washer turned down
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose 1/2 bolt upper V brace at pole B
			4 BW	Loose bird wire over C phase
			4 LB	2 Loose bolts upper X brace pole A
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
13-1	N/A	N/A	5 D Daylight between top V bracing and A pole - less than 1/4"		
			5 D Daylight between B pole and bottom X brace attachment - up to 1/8"		
			5 HVS HVS missing or needs replacing (4)		
			1 BN Bird nest starting over B phase		
			4 LB (2)Loose bolt upper V brace at pole A		
	0 RL Range land;				
	13-2	N/A	COND AND EHS BOTH - AH and BK	5 D Daylight between A and B poles X brace bottom	
				5 D Daylight between A pole and V brace - up to 1/4"	
				5 CR Crack on B pole from bottom to 30' up -1" wide x 4" deep	
				5 HVS HVS missing or needs replacing (3)	
4 LB Loose bolt knee brace above A phase					
0 RL Range land;					
13-3	N/A	N/A	5 D Daylight between bottom of X bracing and A and B poles - up to 1/8"		
			5 HVS HVS missing or needs replacing (3)		
			5 D Daylight between the knee & V braces.		
			1 CK Cotter key pushed out on socket-eye for center phase shoe, loose nuts on shoe		
			4 LB Loose bolt V brace above B phase		
			0 RL Range land;		
13-4	N/A	COND AND EHS BOTH - AH and BK	5 HVS HVS missing or needs replacing (3)		
			5 D Daylight between the knee & V braces.		
			4 LB Loose bolt bottom knee C phase		
			0 RL Range land;		
13-5	N/A	N/A	5 CR Crack in pole (6" deep x 1" wide in different planes) from near ground line to approx. 12' up + crack from 20' to 40' up - up to 1"		
			5 HVS HVS missing or needs replacing (3)		
			0 RL Range land;		

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
13-6	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper V brace at pole B
			0	RL Range land.
13-7	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016) - Partially missing
			5	HVS HVS missing or needs replacing (2)
			4	LN Loose (1) 1/2" nut -bottom X brace, A pole
			0	RL Range land.
14-1	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016) - Missing
			5	CR B-pole @ bottom x-brace, 8" crack, 1/2" wide
			5	S Loose ground wire on B pole from 8'
			5	CR A-pole ground to 12', crack, 7" deep
			4	LN Loose (2) 1/2" bolt - knee brace above A phase - head backed out up to 1/8"
			5	HVS HVS missing or needs replacing (1)
			4	LN Loose 1/2" bolt - knee brace above C phase - head backed out up to 1/8"
			0	RL Range land.
14-2	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016) - Missing
			5	CR A pole spiral crack at X brace attachment
			5	CR B-pole spiral crack from ground to 10' up - up to 1" width
			5	D Daylight between upper V brace and A pole
			5	SWTD A pole - bottom X brace - spring washer turned down
			5	HVS HVS missing or needs replacing (2)
			4	LB Loose bolt upper V A pole
			4	LB Loose bolt upper knee pole B
			5	XB X brace de-laminating
			4	LN Loose nut lower V-Brace over B phase
0	RL Range land.			
14-3	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR A-pole vertical crack, 6" to top, up to 3/4" wide
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose 1/2 bolt upper knee brace on pole A
0	RL Range land.			
14-4	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016) - Missing
			5	D Daylight between bottom of X bracing and B pole - less than 1/4"
			5	D Daylight between A pole and V bracing - up to 1/8"
			5	CR Cracks on A and B poles near cross arm
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose bolt upper knee pole A
4	LB Loose 1/2 bolt upper knee brace on pole B			
0	RL Range land.			
14-5	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			1	MN Missing (1) 1/2" lock nut on bottom X bracing center clamp; and missing (1) 1/2" nut on same clamp. This should be corrected during next scheduled maintenance outage
			5	D Daylight between A pole and upper X brace
			5	SWTD Spring washer turned down on upper X brace pole B
			5	HVS HVS missing or needs replacing (2)
			1	GW Ground wire on poles A & B removed ground level up 10'
0	RL Range land.			
				Aqueduct AOL
14-6	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack on B pole from ground to 35' up - up to 1" wide and 6" deep
			5	HVS HVS missing or needs replacing (3)
			5	XB Upper X brace Delamination
			4	MB Missing 1/2 bolt center of V brace
0	RL Range land.			

Loose

Loose (2)

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
14-7	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack on B pole from ground to 20' up - up to 4-8" deep
			4	LB Loose bolt top V pole A
			5	HVS HVS missing or needs replacing (2)
			1	SWTD Spring washer has turned down on X-brace B pole
			0	RL Range land;
15-1	N/A	N/A		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR Crack in B pole at top of X bracing - up to 1 1/2" crack at bolt
			5	CR A pole twisted AOL - up to 2"; B pole twisted BOL - up to 2"
			5	D Daylight between bottom X bracing and B pole
			5	HVS HVS missing or needs replacing (4)
			4	LB Loose bolt upper knee brace pole A&B
0	RL Range land;			
15-2	N/A	COND AND EHS BOTH - AH and BK		GREEN TAG ON POLE 'PG&E - ESA - MBZ' (added to pole 2016)
			5	CR B pole has several cracks all the way down, with the largest ranging up to 7" deep and 1" wide
			5	D Daylight between bottom X bracing and A and B poles - less than 1/4"
			5	CR A pole crack from 7" to 15" x 3/4" wide
			5	CR Static bar metal brace - B pole Split at bolt. B pole x-brace large split at hardware. Splrai cracking
			5	HVS HVS missing or needs replacing (2)
			4	MN Missing (1) 1/2" locknut and 1/2 nut loose on upper X bracing center clamp
			4	MN Missing 1/2" nut on V-brace at center of the cross arm
			0	RL Range land;
			0	RL Range land;
15-3	N/A	N/A	5	CR B pole bottom X bracing bolted into crack
			5	HVS HVS missing or needs replacing (3)
			5	CR B-pole crack, ground to 20'
			5	HVS HVS missing or needs replacing (3)
			4	LB Loose bolt V brace over B phase
			0	RL Range land;
15-4	N/A	COND AND EHS BOTH - AH and BK	5	CR B-pole crack, ground to 20'
			5	HVS HVS missing or needs replacing (3)
			4	LB Loose bolt top V pole A
			5	CR B pole bottom X bracing bolted into crack
			0	RL Range land;
15-5	SEE NOTE	N/A	5	CR A pole crack from near bottom to 30' up - up to 3/4" wide
			3	MN Lock nuts missing on guy plates for poles A, B and C
			4	CK Cotton key pole C static yoke plate 1/2 way out
			5	HVS HVS missing or needs replacing (1)
			0	RL Range land;
			0	RL Range land;
15-6	N/A	COND AND EHS BOTH - AH and BK	5	CR A pole has a vertical crack from ground up 20', up to 1" wide by 8" deep
			5	HVS HVS missing or needs replacing (3)
			4	LB Loose bolt upper knee brace at pole A
			4	XB X brace clamp fell off
			PT	Pistachio trees - saplings 5-6.5' tall
16-1	N/A	N/A	4	LN Missing 2- 1/2" locknuts and 2- 1/2" nuts on Xbrace clamp
			5	HVS HVS missing or needs replacing (4)
			4	BGW Broken ground wire on B pole 2' up
			2	PN Pole number messed up on pole B
			PT	Pistachio trees - saplings 10' tall
16-2	N/A	COND AND EHS BOTH - AH and BK	5	HVS HVS missing or needs replacing (4)
			5	SWTD Spring washer turned down lower x brace A pole
			5	D Daylight between knee brace and pole A
			4	LB Loose bolt upper V brace at pole B
			PT	Pistachio trees - saplings 10' tall
16-3	N/A	N/A	5	HVS HVS missing or needs replacing (4)
			2	SWTD Springs washer turned down top X-brace B pole
			PT	Pistachio trees - saplings 5-6.5' tall

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
16-4	N/A	COND AND EHS BOTH - AH and BK	5	HVS	HVS missing or needs replacing (3)
			5	LN	Loose 1/2" bolt on V brace at the arm
			4	GW	Wrong ground wire splice on A pole at the ground
			5	FED	Equipment damage to pole A 1/2" deep
			5	D	Daylight on knees & Vs at poles A & B
			4	BW	Bird wire loose over C phase
			C	Cotton field	
16-5	N/A	N/A	5	M	Missing pole ID on pole B
			4	BGW	Broken ground wire on B pole
			5	D	Daylight between A pole and bottom X brace
			5	D	Daylight on knees & Vs at poles A & B
			4	LB	Loose bolt bottom knee A phase
			5	HVS	HVS missing or needs replacing (3)
			C	Cotton field	
16-6	N/A	COND AND EHS BOTH - AH and BK	FED	Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole	
			5	HVS	HVS missing or needs replacing (2)
			4	GW	Loose ground wire on pole A
				C	Cotton field
16-7	N/A	N/A	5	D	Daylight between B pole and bottom X brace
			FED	Farm Equipment Damage - minor - A and B poles - less than 1" deep from 1" up to about 4-1/2' up	
			5	HVS	HVS missing or needs replacing (3)
			3	PG	Broken ground wire from farm equipment damage 4 1/2' feet up on A&B poles
			3	LB	Loose bolt top knee B pole
			C	Cotton field	
17-1	N/A	COND AND EHS BOTH - AH and BK	5	HVS	HVS missing or needs replacing (2)
			4	LB	Loose bolt top knee A pole
			3	GW	Broken ground wire 2' up on pole A
			3	GW	Loose ground wire B pole
				C	Cotton field
17-2	N/A	N/A	5	HVS	HVS missing or needs replacing (3)
			4	LB	Loose bolt top knee A pole
			3	GW	Broken ground wire 2' up on pole A
			2	LN	Loose nut top and bottom knee A phase
				C	Cotton field
17-3	N/A	COND AND EHS BOTH - AH and BK	5	FED	Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles
			5	HVS	HVS missing or needs replacing (4)
			4	LB	Loose bolt upper V brace pole B
			4	LB	(2) loose bolts on knee B pole
				C	Pistachio Trees - saplings 10' tall
17-4	2 new anchors installed 8/2015	N/A	5	FED	Farm Equipment Damage - minor - A and B poles - nicked by farm equipment - less than 1" deep sections near bottom of poles
			5	HVS	HVS missing or needs replacing (3)
			4	BGW	Broken pole ground at ground level on pole A.
			5	LB	Bolt backed out 3/8" on upper knee brace pole B
			4	G	Improper sleeve used to splice ground wire on B pole
			4	LB	Loose bolt upper knee A pole
			4	LB	Loose bolt upper knee brace pole B
				PT	Pistachio grove trees approaching 16-17 ft height - checked midspan clearance - midspan height of conductor is ~35'-8" (Been Cut)
17-5	N/A	COND AND EHS BOTH - AH and BK	5	FED	Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole
			5	FED	Farm equipment damage to pole B that is 3" deep
			5	CR	B pole has a crack from bottom to top of bottom X brace
			4	BGW	Broken ground wire on A pole
			5	HVS	HVS missing or needs replacing (2)
				C	Cotton field
17-6	N/A	N/A	EHS	A pole shield wire pulled AOL - up to 1"	
			5	HVS	HVS missing or needs replacing (4)
			4	LB	2 Loose 1/2" bolt lower X braces on pole A & B
			4	LB	Loose bolt top V pole B
			4	LB	Loose bolt upper and lower knee brace pole B
				C	Cotton field
17-7	N/A	COND AND EHS BOTH - AH and BK	4	LN	Loose (1) 1/2" nut on bottom outside V brace above C phase
			5	HVS	HVS missing or needs replacing (4)
			4	BGW	Broken ground wire on B pole
			4	LB	Loose bolt lower knee A phase
				C	Cotton field
18-1	N/A	OK	5	HVS	HVS missing or needs replacing (4)
			4	BGW	Broken ground wire on A pole
			4	LB	(2) loose bolts lower knee over A phase
			4	LB	(2) loose bolts lower knee over C phase
				C	Cotton field
18-2	N/A	COND AND EHS BOTH - AH and	5	FED	Farm Equipment damage - minor - A and B poles - nicked by farm equipment - up to 1" deep section near bottom of pole
			5	D	Daylight between A pole and upper V brace
			5	SWTD	Spring washer turned down on lower X brace at pole B
			4	BGW	Broken ground wire on B pole

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
		BK	5 HVS HVS missing or needs replacing (4)	
			4 LB 2 loose bolts lower knee A phase	
			C Cotton field	
18-3	N/A	N/A	1 BN Bird nest	
			C Cotton field Steel Deadend	
			5 HVS HVS missing or needs replacing (3)	
18-4	N/A	COND AND EHS BOTH - AH and BK	4 GW Improper sleeve used to splice ground wire on B pole	
			4 LB Loose bolt upper X brace pole B	
			4 XB X brace is de-laminating	
			C Cotton field	
			4 BGW Broken ground wire on B pole	
18-5	N/A	N/A	5 HVS HVS missing or needs replacing (3)	
			4 LB Loose bolt bottom knee C phase	
			C Cotton field	
			5 HVS HVS missing or needs replacing (3)	
18-6	N/A	COND AND EHS BOTH - AH and BK	4 LB Loose bolt upper V brace pole B	
			4 LB Loose bolt lower X brace at pole B	
			4 LB Loose bolt top knee A pole	
			4 BW Bird wire loose over C phase	
			C Cotton field	
18-7	N/A	N/A	C Cotton field	
			5 D Daylight between A pole and upper V brace	
19-1	N/A	COND AND EHS BOTH - AH and BK	5 FED Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1" deep section near bottom of pole	
			5 HVS HVS missing or needs replacing (3)	
			4 LN Loose nut upper knee brace pole B	
			4 LN (2) loose nuts lower knee brace pole B	
			4 LB Loose bolt upper knee A pole	
			PT Pistachio grove trees approaching 15-17 ft height - checked midspan clearance - midspan height of conductor is ~37'-6"	
			4 MN Missing (1) 1/2" nut - broken off bolt head on upper X brace on A pole side	
19-2	N/A	N/A	5 FED Farm Equipment damage - minor - A & B pole - nicked by farm equipment - up to 1/2" deep section near bottom of pole	
			4 LB Loose 1/2 bolt upper V brace on pole B	
			4 LB Loose 1/2 bolt upper knee brace Pole A	
			5 HVS HVS missing or needs replacing (4)	
			4 LB Loose bolt upper X brace pole A	
			PT Pistachio grove trees approaching 15-17 ft height (see comment for str 19-2)	
			5 D Daylight between B pole and bottom X brace	
19-3	N/A	COND AND EHS BOTH - AH and BK	5 EHS East shield wire pulled BOL up to 3"	
			5 EHS West shield wire pulled AOL up to 1"	
			4 LB Loose 1/2 bolt upper V brace on pole B	
			5 HVS HVS missing or needs replacing (4)	
			4 LB Loose bolt upper knee brace pole B	
			5 FED Farm Equipment damage - minor - A pole - nicked by farm equipment - up to 1" deep section near bottom of pole	
			PT Pistachio grove trees approaching 15-17 ft height (see comment for str 19-2)	
19-4	N/A	N/A	4 LN 2 Loose 1/2" nuts on center V bracing	
			5 HVS HVS missing or needs replacing (3)	
			C Cotton field	
			5 CR A pole splitting starting at 6' approx. 1" wide x 8" deep	
19-5	N/A	COND AND EHS BOTH - AH and BK	5 HVS HVS missing or needs replacing (3)	
			5 XB X-braces installed backwards.	
			4 LB Loose bolt upper knee A pole	
			C Cotton field	
			5 HVS HVS missing or needs replacing (3)	
19-6	N/A	N/A	5 EHS Static wire on pole A BOL 1.5"	
			4 LB Loose bolt top knee pole A	
			4 LB Loose bolt upper knee brace pole B	
			C Cotton field	

Far

Farm

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
19-7	N/A	COND AND EHS BOTH - AH and BK	M	Anchor bolt nuts tight and ground wire in place
			5 HVS	HVS missing on steel structures
			2 COND	Jumper terminals appear loose on Northwest jumper-Suggest having Heli crew get a better look at it on their yearly maintenance
MSCC 0-3	N/A	N/A	2 COND	Cotton field When MSCC 0-2 was replaced it raised the conductor on the North side of the str making the jumpers too short causing the construction crew to remove the jumpers on A phase, they left the insulators on B & C phases that are now slack and swinging in towards the str, Jumpers need to be lengthened and insulators on A phase installed
			5 MB	Missing a bolt on each of the 16 horizontal lacing at the bottom of the structure where they tie into the legs. One bolt in each one at the legs, this might be as designed.
			4 WI	Wash insulators per established washing schedule. Currently all insulators are fairly clean.
			STR	MSCC 0-2 Lattice str replaced with a taller 3 pole steel D.E. sstr
MSCC 0-2	N/A	N/A	4 CK	Cotter key 1/2 way out substation side C phase shoe
			RL	Range land - fenced yard at Midway substation
			L	Lattice structure - all members tightly fastened
MSCC 0-1	N/A	N/A	3 GD	After replacing structure MSCC 0-2 the old conductor was resagged at MSCC 0-1 due to height differential, the conductor that was under the bolted deadend shoe and shifted outside the shoe at MSCC 0-1 is severely deformed
			RL	Range land - fenced yard at Midway substation

The

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS
MSCC Switchyard	N/A	N/A	4 CK	Cotter key on southeast dead end halfway out
			1 BN	2 Bird nests on A-frame
MSCC Poles #0/1	N/A	N/A	5 HVS	HVS missing or needs replacing (6)
			5 D	Daylight between B pole and gain plates on station side (1/4" to 1/2")
			4 CK	Cotter pin for dead end shoe halfway out on C phase southside of structure.
			5 M	Missing pole number for 'C' pole
Western Substation	N/A	N/A	4 PI	Porcelain insulators very dusty - recommend cleaning at some point in the future
			2 OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage
			5 M	Discoloration (rust color) on top of East frame from previously installed device (now removed) that bleed rust - OK
			3 OI	Polymer D.E. Insulators leaking
Western Substation	N/A	N/A	4 PI	Porcelain insulators very dusty - recommend cleaning at some point in the future
			2 OI	Old style polymer insulators - recommend change out to new insulators during a scheduled outage
MSCC Pole #0/2	OK	N/A		Conductor removed between MSCC 0/2 & 0/3
MSCC Pole #0/3	OK	N/A	4 LN	Loose nut on guy eye plate.
				Conductor removed between MSCC 0/2 & 0/3
			5 M	Missing (2) Stainless Steel hump back cotter keys on bent bolts above jumper insulators - A and B phases
MSCC Pole #0/4	OK	N/A	4 CK	Cotter key halfway out on top suspension insulator
			5 M	Bottom bolt on post insulators is loose (1/4"-1/2")
			5 M	Missing pole number
			5	Guys not taped
			5 CR	A pole splitting from ground to 1/2 way up - up to 1" wide and 8" deep
			3 LB	Loose bolts on gang operated switch.
			5 HVS	HVS missing or needs replacing (2)
5 GG	Replace UV damaged and missing guy guards			

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2025 COMMENTS	
MSCC Pole #05	N/A	N/A	5	M	Missing pole number
			5	CR	Spiral splitting 10' high 1" wide 6" deep
			4	LN	Loose nut - bottom bolt on all 3 post insulators is loose (1/4"-1/2")
			5	GG	Replace guy guards due to UV damage
				East and south of Western substation	
MSCC Pole #06	OK	N/A	5	M	Missing pole number
			5	A	Anchors not taped
			4	CK	Cotter key halfway out on dead end shoe top phase East side.
			4	CK	Cotter key halfway out on dead end shoe bottom phase North side.
			5	GG	Missing guy guards on down guys (2)
				West of Victory substation	
Victory Substation 'H' Str	N/A	N/A			In Victory substation



Midway Sunset Work Order

WO# : 167323 **Description: Quarterly Gen Lead Line Inspection**

Work Type: **PM-O**

Primary Assigned To: **COREYR**

Status: **Completed**

Assigned By:

Supervisor: **MIKEW**

Created By **SCHEDULE**

Reason:

Date Scheduled: **10/1/2025 12:00:01 AM**

Shift: **swingshift**

Project:

Reference: **Y**

Site Comments: Ensure that you copy, paste and fill out the latest version of the JSA into EVERY Work Order.

It can be found at O:Forms/JSA/MSCC JSA ATTACHMENT 1.

Asset/Procedure Combinations

Asset: **Y-LINE**

Generator lead Line

Location:

Serial No:

Model No:

Procedure: **INSP-GEN LEAD LN QTR**

Quarterly Generator Lead Line Inspection

Warranty Coverage: **No**

Perform While Asset Running: **No**

Perform While Asset Down: **Yes**

Tasks	Description	Est Down Hours	Safety	Date Completed
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JSA	Job Safety Analysis	0.00		
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Details: <div align=center>ATTACHMENT 1

<div align=center>MSCC JOB SAFETY ANALYSIS (JSA) (pg 1 of 3)

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program)(mark the appropriate selection with an X).

Approval Clearance Permission

Date:



Midway Sunset Work Order

Enter Work Order Number: _____ OR Project ID Number _____

Job Scope Description:

Section B:

Three way communication is to be used at all times:

Pre-authorization checklist (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

_____ Have appropriate SDSs been obtained and reviewed?

_____ Is the equipment de-energized?

_____ Is the equipment depressurized?

_____ Is the equipment drained?

_____ Have all valves been properly closed, blinded, tagged, (and locked)?

_____ Is the instrumentation tubing disconnected, depressurized, and capped?

_____ Has equipment been steamed or flushed?

_____ Has equipment been purged? If yes, how?

_____ Is equipment free of toxic, corrosive, or hazardous materials?

_____ Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.

_____ Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.

_____ Is the combustible gas test satisfactory (OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?

_____ Is a fire watch required and assigned?

_____ Have potentially affected drains been covered?

_____ Has appropriate personal protective equipment (PPE) been assigned (See Section D)?

_____ Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?

_____ Are personal grounds necessary?

_____ Is a Confined Space Permit (PO-MW-A-005, Confined Space Program)<font



Midway Sunset Work Order

_____ necessary? If so, ensure that it is implemented.

_____ Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.

_____ Are barricades necessary? If so, list types and locations (APM 130).

_____ Are other pre-authorizations necessary? If so, provide a list.

_____ Is there a permanent or portable eyewash station available for the work, if necessary?

_____ Is there a permanent safety shower available for the work, if necessary?

_____ Have the tailboard and Work Order review been completed?

_____ Has the work area been inspected for any other hazards?

_____ Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards.

Section C:

Precautions--See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP]) (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

_____ Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan) .

_____ Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).

_____ Safe Lifting--Material Handling (APM 160).

_____ Lights (APM 118).

_____ Booms, Ladders, & Lifts (APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).

_____ Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).

_____ Safety Straps, Lifelines, Railings (APM 132).

_____ Safe Support and Scaffolds (APM 135).

_____ Portable Ladders <font



Midway Sunset Work Order

face="Times New Roman" size=1>(APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.

_____ Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).

_____ Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical Safety).

_____ Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).

_____ Qualified Electrical Workers (APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).

_____ Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE—Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

_____ Hard hat.

_____ EH rated leather boots.

_____ EH rated rubber boots.

_____ Safety glasses (protects eyes from flying debris).

_____ Goggles (protects eyes from liquids and flying debris).

_____ Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).

_____ Face shield (protects face only).

_____ FR/AR rated clothing.

_____ Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).

_____ Arc flash helmet (Class 2) and Balaclava; (PO-MW-A-008, Electrical Safety)<font



Midway Sunset Work Order

face="Times New Roman">.

____ Arc flash hood (Class 3); (PO-MW-A-008, Electrical Safety).

____ Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).

____ Class 0 rubber electrical gloves (1,000 V); (PO-MW-A-008, Electrical Safety).

____ Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).

____ Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Cromium. Hepa Filter Vacuum.

____ Fall protection.

____ Leather gloves.

____ High-temp gloves.

____ Rubber chemical gloves.

____ Chemical rain suit.

____ Tyvek suit.

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- ____ Have personal grounds been removed?
- ____ Have tags (and locks) been removed?
- ____ Has housekeeping been addressed?
- ____ Has pre-start up inspection been done?
- ____ Has the work been completed?

List the personnel involved in this JSA:

INSP-QTR GEN LEAD LN

Quarterly Generator Lead Line Inspection

0.00

Details: ____ Refer to operating instruction mw-06-101.

INSPECTIONS



Midway Sunset Work Order

- _____ When inspecting the Midway Sunset 230 kV line, Attachment I of MW-06-101 will be completed by the personnel performing the inspection.
- _____ Documentation of equipment will include hardware, braces, x-arms, poles (A, B, &C), guys, and anchors. Additional remarks will be recorded on the last page of Attachment 1.
- _____ Each guy wire is to be checked for tautness. Anchors are to be inspected for erosion of soil, movement of the anchor rod, or the possibility that the anchor rod has pulled loose. Each pole is to be inspected for alignment with other poles in the structure, and for alignment with the structures on either side. The base of the pole is to be inspected for movement of the pole and for possible erosion of soil. Damage from fire, machinery, or natural forces are to be noted. Any cracks of over 1/2" wide and to a depth of more than one third of the pole diameter should be noted. Special attention is required for any pole experiencing a spiral crack that completely encircles the pole within a 20 foot section.
- _____ Inspect all guy anchor to PVC seals, should a seal be compromised perform the following:
Remove old sealant with a screw driver and putty knife (do not damage the corrosion coating
on the guy anchor rod) Clean area with a rag so no dirt or loose material is left.
Apply new seal using VISCOTAQ. Insure to seal 1 1/2" below top of PVC and finish top with a dome
shape to allow water to
run off.
- _____ All hardware is to be inspected for loose or missing nuts/washers. Air gaps in the spring washers are to be estimated for width and noted for comparison on following inspections. The heavy end of a spring washer turned to the ground indicates that the hardware has loosened to the point that there is no longer tension in the spring washer and repairs should be made as soon as possible.
- _____ The insulators are to be inspected for signs of surface tracking, or physical damage. The conductor shoes are to be inspected specifically for missing nuts and stress cracks.
- _____ The crossarms and braces are to be inspected for physical integrity. Any separation of the lamination on the crossarms is to be noted.
- _____ At each structure, the area will be inspected for build-up of debris; such as grass, brush, or



Midway Sunset Work Order

other refuse which can be a fire hazard. Per California Administrative Code (CAC) Title 14, Section 1250 through 1258, debris will be removed within 10 feet of the outer circumference of the structure.

____ The route of the transmission line crosses environmentally sensitive areas. Care should be taken not to disturb the habitat of endangered species. Maintain vehicles on roads at all times.

____ Damage to the following biologically sensitive plants should be avoided when working along or inspecting the transmission line: White Delphinium, found on the north face of the hills in the first seven miles; Hoovers Woolly Star, found in the flats between structure 11-7 and the California Aqueduct; Miniature California Poppy, found in the hills between structures 2-1 and 4-1.

____ Damage to the habitat of the San Joaquin Kit Fox, Giant Kangaroo Rat, California Ground Squirrel, and Blunt Nosed Lizard must be avoided. Also, take care not to disturb any active Raptor, Crow, or Raven nests. Please view the Transmission Line Vibration tape for additional information.

____ Report of fire prevention inspection and clean up report sent to CEC in April.

____ Distribution:

- 1 - California Energy Commission
- 1 - Plant Manager
- 1 - Maintenance Supervisor
- 1 - Compliance Manager
- 1 - File

Total Est. Down Hours: 0.00

Completion Information:

Date: _____ Emp In _____ Hours: _____
 Date: _____ Emp In _____ Hours: _____

Work Order Comments

Added By Date



Midway Sunset Work Order

CoreyR

11/11/2025 6:54:05

11/13/2025 CL, Mike and Caelan from Power Engineers

Tailboarded task with control room operator and obtained the necessary authorizations to commence work. WO, JSA and Memo 4367 reviewed. Discussed area awareness, endangered species, uneven walking surfaces and environmentally sensitive areas. H2S monitor #5 will be present. Began at structure 17-2 and completed inspection of the Generator Lead Line.

Updated report and saved in L:/Transmission Line Inspections/2025 GLL Inspections/ 4th Quarter Inspection WO 167323. Returned tools to their proper place and informed control room operator that task was complete.

11/12/2025 DG

Tailboarded task with control room operator and obtained the necessary authorizations to commence work. WO, JSA and Memo 4367 reviewed. Discussed area awareness, endangered species, uneven walking surfaces and environmentally sensitive areas. H2S meter #5 will be present. Completed inspection of the Generator Lead Line.

ADDED the following

8-6 Loose nut top V brace A pole

12-3 Bird nest added on

12-3 Loose bolt on knee A phase on top

12-6 Cotter pin coming out at B phase clevis

13-3 Cotter key pushed out on socket-eye for center phase shoe, loose nuts on shoe changed to Priority

13-4 C phase knee loose bolt

14-1 Loose (1) 1/2" bolt - knee brace above C phase - head backed out up to 1/8

14-2 Pole B lower knee loose bolt

14-7 spring washer dropped on x braise B pole

15-1 loose bolt upper knee brace pole A

16-1 missing numbers on B pole

16-3 B pole spring washer facing down

16-7 B pole top of knee loose bolt

17-1 B pole loose ground wire

Trees in orchard are currently about 12' and there was no encroachment of the line.

Updated report and saved in L:/Transmission Line Inspections/2025 GLL Inspections/ 4rd Quarter Inspection WO 167323. Returned tools to their proper place and informed control room operator that task was complete.

11/11/2025 CR

Tailboarded task with control room operator and obtained the necessary authorizations to commence work. WO, JSA and Memo 4367 reviewed. Discussed area awareness, endangered species, uneven walking surfaces and environmentally sensitive areas. H2S meter #5 will be present. Completed inspection of the Generator Lead Line.



Midway Sunset Work Order

Notes as follows:

6 nests on the MSCC line at the following structures: two on MSCC switchyard A frame, 3-2, 3-5, 6-5, 12-3, 17-7, and 18-3, no other nests at this time.

Trees in orchard are currently about 12' and there was no encroachment of the line.

Added the following"

- 1-3 A and B pole ground wire need additional staples.
- 5-2 B pole ground wire need additional staples.
- 6-6 B pole south guy anchor has separated from disc WO 166991

Updated report and saved in L:/Transmission Line Inspections/2025 GLL Inspections/ 4th Quarter Inspection WO 167323. Returned tools to their proper place and informed control room operator that task was complete.

MSCC JOB SAFETY ANALYSIS (JSA) (pg 1 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section A (all spaces are to be completed as applicable with Y (Yes) or not applicable with NA):

Work Authorization type (PO-MW-A-006, Work Authorization Program) (mark the appropriate selection with an X).

X Approval Clearance Permission

Date: 11/11/25

Enter Work Order Number: 167323 OR Project ID Number: _____

Job Scope Description: Generator Lead Line Inspection

Section B:

Three way communication is to be used at all times:

Pre-authorization checklist (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

N/A Have appropriate SDSs been obtained and reviewed?



Midway Sunset Work Order

- N Is the equipment de-energized?
- N/A Is the equipment depressurized?
- N/A Is the equipment drained?
- N/A Have all valves been properly closed, blinded, tagged, (and locked)?
- N/A Is the instrumentation tubing disconnected, depressurized, and capped?
- N/A Has equipment been steamed or flushed?
- N/A Has equipment been purged? If yes, how?
- Y Is equipment free of toxic, corrosive, or hazardous materials?
- N/A Is a Hot Work Permit (PP-MW-I-114, Hot Work Permit Procedure) necessary? If so, ensure that it is implemented.
- N/A Is equipment free of flammable materials? If NO implement MW-I-114 Hot Work Permit procedure.
- N/A Is the combustible gas test satisfactory (OI-MW-12-01, Operation of Atmospheric Analyzer)? 0 LEL is considered permissible. If not, investigate the source. Is the work necessary?
- N/A Is a fire watch required and assigned?
- N/A Have potentially affected drains been covered?
- Y Has appropriate personal protective equipment (PPE) been assigned (See Section D)?
- Y Have avoidance of hazards from hitting, spraying, pinching, or crushing been discussed?
- N Are personal grounds necessary?
- N Is a Confined Space Permit (PO-MW-A-005, Confined Space Program) necessary? If so, ensure that it is implemented.
- N/A Is an Excavation Permit (PO-MW-A-007, Excavation Permits) necessary? If so, ensure that it is implemented.
- N Are barricades necessary? If so, list types and locations (APM 130).
- N Are other pre-authorizations necessary? If so, provide a list.
- N/A Is there a permanent or portable eyewash station available for the work, if necessary?
- N/A Is there a permanent safety shower available for the work, if necessary?
- Y Have the tailboard and Work Order review been completed?
- N Has the work area been inspected for any other hazards?
- Y Have travel off-site oil field work hazards been addressed? Hazards such as gas, steam or water leak sink holes (Do not enter areas with standing or escaping water, escaping steam or gas). H2S hazards. Traffic hazards. Refer to Memo 4367 Off-Site Hazards/Off-Site Work Authorization - 2011

ATTACHMENT 1

MSCC JOB SAFETY ANALYSIS (JSA) (pg 2 of 3)

(Copy, paste, and complete this JSA from: O:\Forms\JSA into the Work Order comments section).

Section C:

Precautions—See EMOMI Accident Prevention Manual (APM-December 2008 and PO-MW-A-001, Illness and Injury Prevention Program [IIPP]) (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- Y Dust, Fumes, Vapors, or Gases (APM 114, 152, 158, 160; PP-MW-VI-027, Respiratory Protection Plan).
- N Heat Stress (PP-MW-VI-117, Heat Stress Prevention Program).
- N/A Safe Lifting—Material Handling (APM 160).
- N Lights (APM 118).
- N/A Booms, Ladders, & Lifts (APM 127 and 128; PP-MW-I-115, Forklift Inspection & Operation; PO-MW-12-



Midway Sunset Work Order

- 101, The Self Propelled Scissor Lift Platform; PO-MW-12-103, The Self Propelled Zoom Boom Platform).
- N/A Cranes, Hoists, Derricks, Booms, and Winches (APM 127 and 128).
- N/A Safety Straps, Lifelines, Railings (APM 132).
- N/A Safe Support and Scaffolds (APM 135).
- N/A Portable Ladders (APM 136).- PP MW-I-012 Ladder Walkways use and Inspection Procedure.
- N/A Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).
- Y Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical Safety).
- Y Working Distances-Electrical (APM 149; PO-MW-A-008, Electrical Safety).
- N/A Qualified Electrical Workers (APM 155; PO-MW-A-006, Work Authorization Program; PO-MW-A-008, Electrical Safety).
- N/A Spotter. All equipment/work vehicles will utilize a spotter when being moved and/or positioned.

Section D:

PPE–Check Applicable PPE for Work being performed. See (PO-MW-A-001, IIPP) for additional information on hazards and precautions (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- Y Hard hat.
- Y EH rated leather boots.
- N/A EH rated rubber boots.
- Y Safety glasses (protects eyes from flying debris).
- N/A Goggles (protects eyes from liquids and flying debris).
- N/A Full face respirator; (PP-MW-VI-027, Respiratory Protection Program).
- N/A Face shield (protects face only).
- Y FR/AR rated clothing.
- N Hearing protection (PO-MW-A-031, Noise Control & Hearing Conservation).
- N/A Arc flash helmet (Class 2) and Balaclava; (PO-MW-A-008, Electrical Safety).
- N/A Arc flash hood (Class 3); (PO-MW-A-008, Electrical Safety).
- N/A Arc flash jacket (Class 3); (PO-MW-A-008, Electrical Safety).
- N/A Class 0 rubber electrical gloves (<1,000 V); (PO-MW-A-008, Electrical Safety).
- N/A Class 3 rubber electrical gloves (1,000 V – 26,500V); (PO-MW-A-008, Electrical Safety).
- N/A Welding goggles/mask. P-100 Respirator must be worn when welding stainless to protect against Hexavalent Cromium. Hepa Filter Vacuum.
- N/A Fall protection.
- Y Leather gloves.
- N/A High-temp gloves.
- N/A Rubber chemical gloves.
- N/A Chemical rain suit.
- N/A Tyvek suit.
- Y Personal H2S Monitor for Offsite work.
- Y Snake Chaps for Offsite Hiking\Walking. ⬆

Section E:

Post-authorization (all questions must be answered for all tasks). Yes-Y No-N Not Applicable-N/A

- N/A Have personal grounds been removed?
- N/A Have tags (and locks) been removed?
- N/A Has housekeeping been addressed?



Midway Sunset Work Order

N/A Has pre-start up inspection been done?

_Y Has the work been completed?

List the personnel involved in this JSA: CR JH

Filter:

pkey = 153030

Appendix E

MSCC Owners and Regularly Used Contractors

Midway Sunset Cogeneration Company

Owners and Regularly Used Contractors

Project Owners

Aera Energy LLC (CRC)

San Joaquin Energy LLC (NRG)

Contract Employees – NRG Energy Inc.

18-20 San Joaquin Energy (NRG) assigned employees (names and employment dates available upon request.)

Temporary Agency Workers

Robert Half International

Specialty Contractors

Elsys Inc.

Computer Consulting Services

CSARS LLC.

SandDollar Financial LLC

Do-Close Cleaning

Contraband Control Specialist

Terminix International

Used Intermittently

Montrose Air Quality Service

Rap Services, Inc.

O'Briens Safety Solutions

Industrial Hearing & Pulmonary Management

Farwest Corrosion Control

White Wolf Land Service

South Valley Biology Consulting LLC (CEC approved Biologist)

Sunshine Metal Clad

Power Engineers (Transmission Line 3rd party inspection)

Allied Reliability Group (Pro-Line)

ERS (Electrical Reliability Services)

Total CMMS Solutions

Industrial Machine Works, Inc.
Herc Rentals
United Rental
Bakersfield Electric Motor Repair, Inc.
PURETEC Industrial Water
NALCO Water | An Ecolab Company
Heath Consultants
Izzy Tech.

Maintenance Contractors

The following are firms that we use with some frequency for intermittent plant work. The personnel will generally vary from job to job.

ARB
GE Vernova International LLC (APM, Fieldcore)
Huddleston Crane
Contra Costa Electric Inc.
Jorgensen
Electrical Power Services Inc.
Aegeus Inspection Solutions
KSI
Scaffolding Solutions
SD Meyers
BMI
OST Truck & Cranes
AMETEK
Total Western
Tilley Crane

There are other subcontractors used on an as-needed basis depending on the work but generally less than once or twice a year on average.

Table 1

Thermodynamic Efficiency Report

REPORT: THERMODYNAMIC EFFICIENCY ASSESSMENT
 YEAR: 2025

MONTH	CAISO CHP MWH	AERA MWH	OTHER NON-CONTRACT SALES MWH	STATION USE & LL MWH	TOTAL POWER MWH	TOTAL POWER MMBTU	NET POWER SALES mwh	STEAM LBS	STEAM bbts	HS	HF	DELTA H	TOTAL HEAT MMBTU	MOJAVE PIPELINE MMBTU (HHV)	MOJAVE PIPELINE MMBTU (LHV)	SOCAL GAS MMBTU (HHV)	SOCAL GAS MMBTU (LHV)	MOJAVE AND SOCAL GAS MMBTU (HHV)	MOJAVE AND SOCAL GAS MMBTU (LHV)	EFFICIENCY	AVERAGE PER DAY MMBTU	
JAN	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
FEB	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
MAR	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
APR	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
MAY	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
JUNE	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
JULY	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
AUG	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
SEPT	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
OCT	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
NOV	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
DEC	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!	-
ANNUAL	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	#DIV/0!	-
AVERAGE	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	#DIV/0!	-

HHV LHV
 Heat rate #DIV/0! #DIV/0!

REPORT: PEAKER OPERATIONS

YEAR: 2025

MONTH	PEAKER GROSS		TOTAL POWER MMBTU	MOJAVE PIPELINE MMBTU (HHV)	MOJAVE PIPELINE MMBTU (LHV)	SOCAL GAS MMBTU (HHV)	SOCAL GAS MMBTU (LHV)	MOJAVE AND SOCAL GAS MMBTU (HHV)	MOJAVE AND SOCAL GAS MMBTU (LHV)	AVERAGE PER DAY MMBTUS	HEAT RATE
	PEAKER CONTRACT MWH	PEAKER GROSS MW									
JAN	4,559	4,630	15,558.35	54,573	49,164.86	0.00	0.00	54,573.00	49,164.86	18,191	11,787.46
FEB	11,881	12,075	40,550.48	141,120	127,135.14	0.00	0.00	141,120.00	127,135.14	20,160	11,686.97
MAR	25,809	26,269	88,084.86	305,866	275,554.95	0.00	0.00	305,866.00	275,554.95	11,328	11,643.57
APR	2,567	2,594	8,760.08	29,480	26,558.56	0.00	0.00	29,480.00	26,558.56	1,053	11,363.77
MAY	0	0	-	0	0.00	0.00	0.00	0.00	0.00	-	-
JUNE	0	0	-	0	0.00	0.00	0.00	0.00	0.00	-	-
JULY	372	378	1,269.07	3,876	3,491.89	0.00	0.00	3,876.00	3,491.89	204	10,261.86
AUG	1,182	1,198	4,035.53	13,715	12,355.86	0.00	0.00	13,715.00	12,355.86	549	11,448.54
SEPT	0	0	-	0	0.00	0.00	0.00	0.00	0.00	-	-
OCT	0	0	-	0	0.00	0.00	0.00	0.00	0.00	-	-
NOV	0	0	-	0	0.00	0.00	0.00	0.00	0.00	-	-
DEC	893	903	3,049.29	10,665	9,608.11	0.00	0.00	10,665.00	9,608.11	889	11,816.55
ANNUAL	47,262.72	48,046.25	161,307.66	559,295	503,869	0	0	559,295	503,869	4,364	11,430
AVERAGE	3,939		13,442.30	46,608	41,989	0	0	46,608	41,989		

Heat rate 11,430

MSCC USE ONLY

COMBINED CHP / PEAKER TOTALS						PURPA CALCULATION		
TOTAL GROSS MWH	TOTAL NET MWH	TOTAL FUEL MMBTU (HHV)	TOTAL FUEL MMBTU (LHV)	TOTAL STEAM MMBTU	TOTAL MWH MMBTU	EFFICIENCY STANDARD	OPERATING STANDARD	POWER PURCHASED MWH
4,630	4,630	54,573	49,165	0	15,801	32.14%	0.00%	405.6
12,075	12,075	141,120	127,135	0	41,212	32.42%	0.00%	251.64
26,269	26,269	305,866	275,555	0	89,656	32.54%	0.00%	288.24
2,594	2,594	29,480	26,559	0	8,854	33.34%	0.00%	367.68
0	0	0	0	0	-	0.00%	0.00%	404.52
0	0	0	0	0	-	0.00%	0.00%	395.64
378	378	3,876	3,492	0	1,289	36.92%	0.00%	424.56
1,198	1,198	13,715	12,356	0	4,089	33.09%	0.00%	442.08
0	0	0	0	0	-	0.00%	0.00%	428.16
0	0	0	0	0	-	0.00%	0.00%	444.6
0	0	0	0	0	-	0.00%	0.00%	425.52
903	903	10,665	9,608	0	3,080	0.00%	0.00%	429
<hr/>								
48,046	48,046	559,295	503,869	0	163,982	32.54%	0.00%	4707.24

Electrical Production

Electrical Purchased
Steam Production

Fuel Gas Usage

PURPA Operating Standard, > or =

PURPA Efficiency Standard, > or =

	PURPA Standard	Total
MWh		48,046
mmbtu		163,982
MWh		4,707
mmbtu		0
mmbtu (HHV)		559,295
mmbtu (LHV)		503,869
%	5%	0.0%
LHV	42.50%	32.54%
HHV		29.3%

Heat Rate HHV

11.64076175

Table 2
Outages

2023

DATE	UNIT INVOLVED	SCHEDULED / FORCED	REASON	DOWN TIME HOURS
1/1/2023 - 1/31/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	738.22
1/1/2023 - 1/31/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	738.25
1/1/2023 - 1/31/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	715.27
1/1/2023 - 1/31/2023	UNIT C	SCHEDULED	MAINTENANCE OUTAGE	18.00
1/1/2023 - 1/31/2023	UNIT C	FORCED	FORCED OUTAGE	0.28
2/1/2023 - 2/28/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	667.82
2/1/2023 - 2/28/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	667.88
2/1/2023 - 2/28/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	672.00
3/1/2023 - 3/31/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	618.45
3/1/2023 - 3/31/2023	UNIT B	SCHEDULED	RESERVE SHUTDOWN	614.67
3/1/2023 - 3/31/2023	UNIT B	SCHEDULED	MAINTENANCE OUTAGE	6.00
3/1/2023 - 3/31/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	632.55
4/1/2023 - 4/30/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	470.70
4/1/2023 - 4/30/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	459.38
4/1/2023 - 4/30/2023	UNIT B	SCHEDULED	MAINTENANCE OUTAGE	19.50
4/1/2023 - 4/30/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	481.48
4/1/2023 - 4/30/2023	UNIT C	SCHEDULED	MAINTENANCE OUTAGE	22.88
4/1/2023 - 4/30/2023	UNIT C	FORCED	FORCED OUTAGE	0.27
5/1/2023 - 5/31/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	685.42
5/1/2023 - 5/31/2023	UNIT A	SCHEDULED	MAINTENANCE OUTAGE	23.00
5/1/2023 - 5/31/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	707.63
5/1/2023 - 5/31/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	725.62
6/1/2023 - 6/30/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	720.00
6/1/2023 - 6/30/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	720.00
6/1/2023 - 6/30/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	720.00
7/1/2023 - 7/31/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	706.88
7/1/2023 - 7/31/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	712.82
7/1/2023 - 7/31/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	731.50
8/1/2023 - 8/31/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	667.77
8/1/2023 - 8/31/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	668.18
8/1/2023 - 8/31/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	678.90
9/1/2023 - 9/30/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	708.80
9/1/2023 - 9/30/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	708.90
9/1/2023 - 9/30/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	709.10
10/1/2023 - 10/31/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	543.92
10/1/2023 - 10/31/2023	UNIT A	SCHEDULED	MAINTENANCE OUTAGE	13.00
10/1/2023 - 10/31/2023	UNIT A	FORCED	FORCED OUTAGE	1.32
10/1/2023 - 10/31/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	540.07
10/1/2023 - 10/31/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	580.15
10/1/2023 - 10/31/2023	UNIT C	FORCED	FORCED OUTAGE	2.03
11/1/2023 - 11/30/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	707.13
11/1/2023 - 11/30/2023	UNIT A	FORCED	FORCED OUTAGE	0.35
11/1/2023 - 11/30/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	684.30
11/1/2023 - 11/30/2023	UNIT B	SCHEDULED	MAINTENANCE OUTAGE	23.00
11/1/2023 - 11/30/2023	UNIT B	FORCED	FORCED OUTAGE	0.35
11/1/2023 - 11/30/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	696.65
11/1/2023 - 11/30/2023	UNIT C	SCHEDULED	MAINTENANCE OUTAGE	24.00
11/1/2023 - 11/30/2023	UNIT C	FORCED	FORCED OUTAGE	0.35
12/1/2023 - 12/31/2023	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	744.00
12/1/2023 - 12/31/2023	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	744.00
12/1/2023 - 12/31/2023	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	744.00

Table 2
Outages

2025

DATE	UNIT INVOLVED	SCHEDULED / FORCED	REASON	DOWN TIME HOURS
1/1/2025 - 1/31/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	737.22
1/1/2025 - 1/31/2025	UNIT A	FORCED	FORCED OUTAGE	0.47
1/1/2025 - 1/31/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	681.70
1/1/2025 - 1/31/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	742.03
2/1/2025 - 2/28/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	515.87
2/1/2025 - 2/28/2025	UNIT A	FORCED	FORCED OUTAGE	3.28
2/1/2025 - 2/28/2025	UNIT A	SCHEDULED	MAINTENANCE OUTAGE	108.58
2/1/2025 - 2/28/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	581.35
2/1/2025 - 2/28/2025	UNIT B	SCHEDULED	MAINTENANCE OUTAGE	45.65
2/1/2025 - 2/28/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	163.20
2/1/2025 - 2/28/2025	UNIT C	SCHEDULED	MAINTENANCE OUTAGE	424.33
3/1/2025 - 3/31/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	733.88
3/1/2025 - 3/31/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	507.25
3/1/2025 - 3/31/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	603.07
3/1/2025 - 3/31/2025	UNIT C	FORCED	FORCED OUTAGE	0.47
3/1/2025 - 3/31/2025	UNIT C	SCHEDULED	MAINTENANCE OUTAGE	3.08
4/1/2025 - 4/30/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	707.13
4/1/2025 - 4/30/2025	UNIT A	FORCED	FORCED OUTAGE	0.45
4/1/2025 - 4/30/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	709.37
4/1/2025 - 4/30/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	709.40
5/1/2025 - 5/31/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	744.00
5/1/2025 - 5/31/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	744.00
5/1/2025 - 5/31/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	744.00
6/1/2025 - 6/30/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	720.00
6/1/2025 - 6/30/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	720.00
6/1/2025 - 6/30/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	720.00
7/1/2025 - 7/31/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	742.63
7/1/2025 - 7/31/2025	UNIT A	FORCED	FORCED OUTAGE	0.55
7/1/2025 - 7/31/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	741.52
7/1/2025 - 7/31/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	741.53
8/1/2025 - 8/31/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	738.22
8/1/2025 - 8/31/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	738.30
8/1/2025 - 8/31/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	738.83
9/1/2025 - 9/30/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	720.00
9/1/2025 - 9/30/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	720.00
9/1/2025 - 9/30/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	720.00
10/1/2025 - 10/31/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	721.00
10/1/2025 - 10/31/2025	UNIT A	SCHEDULED	MAINTENANCE OUTAGE	23.00
10/1/2025 - 10/31/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	744.00
10/1/2025 - 10/31/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	744.00
11/1/2025 - 11/30/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	721.00
11/1/2025 - 11/30/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	698.00
11/1/2025 - 11/30/2025	UNIT B	SCHEDULED	MAINTENANCE OUTAGE	23.00
11/1/2025 - 11/30/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	698.00
11/1/2025 - 11/30/2025	UNIT C	SCHEDULED	MAINTENANCE OUTAGE	23.00
12/1/2025 - 12/31/2025	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	729.03
12/1/2025 - 12/31/2025	UNIT A	FORCED	FORCED OUTAGE	0.92
12/1/2025 - 12/31/2025	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	744.00
12/1/2025 - 12/31/2025	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	744.00

Table 3
Recycled Waste

Recycled Waste - 2025

Waste Name	Quantity Generated	Methods Used in Handling	Quantity Recycled	Recycling Site	Waste Recycling Contractor
Used Oil (Turbine Oil and Transformer Oil; Non-RCRA Hazardous)***	105 gallons 766.5 lbs.	***	105 gallons 766.5 lbs.	Safety-Kleen Systems Inc. Fresno, CA*	Safety-Kleen Systems Inc. Fresno, CA*
Drained, Lube Oil Filters, Non-RCRA (metal)	105 lbs.	***	105 lbs.	Thermo Fluids Inc. *****	Safety-Kleen Systems Inc. Fresno, CA*
Drained, Lube Oil Filters, Non-RCRA (cartridge)	300 lbs.	***	300 lbs.	Clean Harbors Grassy Mountain****	Safety-Kleen Systems Inc. Fresno, CA*
Waste Aerosol Cans, partly full (RCRA Hazardous)	28 lbs.	***	28 lbs.	Clean Harbors Wilmington**	Safety-Kleen Systems Inc. Fresno, CA*
Oily Debris (Non-RCRA Hazardous)	450 lbs	***	450 lbs.	Clean Harbors Grassy Mountain****	Safety-Kleen Systems Inc. Fresno, CA*
Universal Waste, Fluorescent Lamps (4' & 8')	20 lbs.	***	20 lbs.	Clean Harbors Wilmington**	Safety-Kleen Systems Inc. Fresno, CA*
Universal Waste, Compact Fluorescent Lamps	15 lbs.	***	15 lbs.	Clean Harbors Wilmington**	Safety-Kleen Systems Inc. Fresno, CA*

Notes:

* = Safety-Kleen of California, 4139 N. Valentine, Fresno, CA 93722 – CAD982446882.

** = Clean Harbors Environmental Services, 1737 East Denni Street, Wilmington, CA, 90774 – CAD982446874.

*** = MSCC handles hazardous wastes per MSCC’s “Hazardous Waste Management Program”, which is available by request, and in accordance with current rules and regulations.

**** = Clean Harbors Grassy Mountain, Knolls, UT 84083 -UTD991301748.

***** = Clean Harbors San Jose, 1021 Berryessa Road, San Jose, CA 95133 –
CAD059494310.

***** = Clean Harbors El Dorado, 309 American Rd, El Dorado, AR 71730 –
ARD069748192

***** = Thermo Fluids Inc. 4301 W. Jefferson St. Pheonix, AZ 85043
AZR000003681

***** = US Ecology Vernon Inc. 5375 S. Boyle Ave Vernon CA 90058 CAD097030993

***** = Trans West Services 8503 Crippen St. Bakersfield CA 93311 CA000258079

Table 4
Hazardous Waste

Hazardous / Non-Recycled Waste – 2025

Waste Name	Quantity Generated	Methods Used in Handling	Quantity Disposed	Disposal Site	Waste Disposal Contractor
N/A	0 gal. 0 lbs.	***	0 gal. 0 lbs.	N/A *****	N/A *****

Notes:

* = Safety-Kleen of California, 4139 N. Valentine, Fresno, CA 93722 – CAD982446882.

** = Clean Harbors Environmental Services, 1737 East Denni Street, Wilmington, CA, 90774 – CAD982446874.

*** = MSCC handles hazardous wastes per MSCC’s “Hazardous Waste Management Program”, which is available by request, and in accordance with current rules and regulations.

**** = Clean Harbors Grassy Mountain, Knolls, UT 84083 -UTD991301748.

***** = Clean Harbors San Jose, 1021 Berryessa Road, San Jose, CA 95133 – CAD059494310.

***** = Clean Harbors El Dorado, 309 American Rd, El Dorado, AR 71730 – ARD069748192

***** = Thermo Fluids Inc. 4301 W. Jefferson St. Pheonix, AZ 85043
AZR000003681

***** = US Ecology Vernon Inc. 5375 S. Boyle Ave Vernon CA 90058 CAD097030993

***** = Trans West Services 8503 Crippen St. Bakersfield CA 93311 CA000258079

Table 5
Water Use Assessment

REPORT: WATER USE ASSESSMENT (FRESH VS RECLAIMED)
 YEAR: 2025

MONTH	TOTAL BOILER FEEDWATER, (RECLAIMED AND FRESH WATER)	FRESH WATER ADDED TO BOILER FEEDWATER	% BOILER FEEDWATER		OTHER FRESH WATER USED AT COGEN	FRESH WATER FOR COOLING	TOTAL FRESH WATER
	BBLs	BBLs	RECLAIMED	FRESH	BBLs	BBLs	BBLs
JAN	0	0	0.00%	0.00%	4,029	0	4,029
FEB	0	0	0.00%	0.00%	10,589	0	10,589
MAR	0	0	0.00%	0.00%	14,822	0	14,822
APR	0	0	0.00%	0.00%	1,824	0	1,824
MAY	0	0	0.00%	0.00%	1,247	0	1,247
JUNE	0	0	0.00%	0.00%	1,356	0	1,356
JULY	0	0	0.00%	0.00%	621	0	621
AUG	0	0	0.00%	0.00%	1,840	0	1,840
SEPT	0	0	0.00%	0.00%	992	0	992
OCT	0	0	0.00%	0.00%	784	0	784
NOV	0	0	0.00%	0.00%	694	0	694
DEC	0	0	0.00%	0.00%	4,143	0	4,143
ANNUAL	0	0	0.00%	0.00%	42,941	0	42,941
AVG PER DAY	0	0.00	0.00%	0.00%	118	0.00	118