

DOCKETED

Docket Number:	85-AFC-03C
Project Title:	Compliance - Application for Certification for Midway-Sunset Cogeneration Project
TN #:	262813
Document Title:	ANNUAL COMPLIANCE REPORT- 2024 - Part 2
Description:	ANNUAL COMPLIANCE REPORT- 2024 - Part 2
Filer:	Anwar Ali
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Docketed Date:	4/25/2025

MIDWAY SUNSET COGENERATION COMPANY
MONTHLY FRESHWATER SUMMARY REPORT
FOR MONTH ENDING JULY 31, 2024

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DATE	KGAL	GAL 1000	BBLS 42	COST
-----	-----	-----	-----	-----
1	91.95	91945	2,189	
2	58.40	58404	1,391	
3	71.51	71506	1,703	
4	59.52	59517	1,417	
5	106.17	106167	2,528	
6	66.07	66074	1,573	
7	10.21	10214	243	
8	91.32	91319	2,174	
9	86.34	86336	2,056	
10	101.23	101226	2,410	
11	32.02	32022	762	
12	0.05	46	1	
13	8.88	8883	212	
14	1.69	1693	40	
15	0.40	397	9	
16	0.42	418	10	
17	4.72	4716	112	
18	0.05	45	1	
19	73.67	73673	1,754	
20	48.22	48221	1,148	
21	40.85	40853	973	
22	68.70	68695	1,636	
23	103.65	103654	2,468	
24	47.43	47429	1,129	
25	131.60	131599	3,133	
26	50.91	50910	1,212	
27	0.06	57	1	
28	0.05	45	1	
29	0.07	69	2	
30	0.23	233	6	
31	76.282	76282	1,816	
TOTALS	1,432.65	1,432,648	34,111	\$0.00
AVERAGES	47.75	47,755	1,137	\$0.00

MIDWAY SUNSET COGENERATION COMPANY
MONTHLY WASTEWATER SUMMARY REPORT
FOR MONTH ENDING JULY 31, 2024

=====

DATE	TANK I KGAL	TANK II KGAL	GAL TANK I & II TOTAL GALLONS	BBLs 42	COST
1	0.00	0.00	0	0	
2	0.00	0.00	0	0	
3	0.00	0.00	0	0	
4	0.00	0.00	0	0	
5	0.00	0.00	0	0	
6	0.00	0.00	0	0	
7	0.00	0.00	0	0	
8	0.00	0.00	0	0	
9	0.00	0.00	0	0	
10	0.00	0.00	0	0	
11	0.00	0.00	0	0	
12	0.00	0.00	0	0	
13	0.00	0.00	0	0	
14	0.00	0.00	0	0	
15	0.00	0.00	0	0	
16	0.00	0.00	0	0	
17	0.00	0.00	0	0	
18	0.00	0.00	0	0	
19	0.00	0.00	0	0	
20	0.00	0.00	0	0	
21	0.00	0.00	0	0	
22	0.00	0.00	0	0	
23	0.00	0.00	0	0	
24	0.00	0.00	0	0	
25	0.00	0.00	0	0	
26	0.00	0.00	0	0	
27	0.00	0.00	0	0	
28	0.00	0.00	0	0	
29	0.00	0.00	0	0	
30	0.00	0.00	0	0	
31	0.00	0.00	0	0	
TOTALS	0.00	0.00	0	0	\$0.00
AVERAGES	0.00	0.00	0	0	\$0.00

Appendix C

Kern County Fire Department

Annual Inspection



Kern County Fire Department

Office of the Fire Marshal
2820 M St. ~ Bakersfield, CA 93301
Phone: (661) 391-3310 ~ Fax: (661) 636-0466/67
www.kerncountyfire.org
fireprevention@kerncountyfire.org

**Location:**

3466 CROCKER SPRINGS RD, FELLOWS, CA
93224

Inspection Date:

28 May 2024 at 04:31 PM

Record Type:

Fire/Operating/T19/NA

Record ID:

T19-014492

Inspection Type:

Regular Inspection

Inspector:

Brandon Taylor

Result:

Granted

Comments:

Midway Sunset Cogeneration Company- Granted

Contact Information

Name: Corey or Miguel

Phone: 6617683000

Email:regulatory@midwaysunset.com

Inspector's Comments

I didn't discover any violations during my inspection.

Summary of Violation(s)

NA

Yearly Checklist

The owner/manager shall provide monthly checks (sign & date) of all fire extinguisher tags (CCR Title 19 Sec. 574.1).

Repair or replace emergency egress lighting/exit signs, which shall operate normally and in backup mode. CFC Sec 1008.3.1

Exit aisles, hallways, and stairways must be clear of obstructions. Minimum 36" of travel width. CFC Sec 1020.2

Approved access shall be maintained for all fire equipment. Storage, trash, and other items shall not prevent access. CFC Sec 509.2

Payment Information (If you have yet to pay)

Kern County Fire Department

Office of the Fire Marshal

2820 M Street

Bakersfield, CA 93301

if mailing by check).

Fee Amount: \$145.00 for Inspection fee and 2024 Business Operation Permit

If you have any questions, don't hesitate to contact me.

Respectfully,
Brandon Taylor, P-9
Fire Inspector
Kern County Fire Department
Office of the Fire Marshal
2820 M St.
Bakersfield, CA
Email: Btaylor@kerncountyfire.org
Mobile: (661) 330-0165



Inspector



Responsible party

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 158296

Description: KCFD Annual Fire Inspection

Asset ID:	B-GR	Model:	Sch Date:	2/21/2024
Asset:	Plant Grounds	Serial No:	Add Date:	1/30/2024 3:11:04 PM
Procedure:	KCFD Annual Fire Inspection	Location:	Priority:	4
Master WO ID:		Building:	Shift:	
Requested By:		Floor:	Room:	Supervisor: Williams, Mike O.
Telephone:	Ext:	Elec Line:	Status:	Completed
Request ID:		Asset ShutDn: <input type="checkbox"/>	Plant ShutDn: <input type="checkbox"/>	Skill:
Warranty:			Assigned To:	

Labor:		Assigned To	Cost ID	Est Hrs	Rem Hrs	Reg	Over	Double	Other	Date
Craft Description	Labor Description									
Regulatory Compliance	Miguel Bojorquez	<input type="checkbox"/>		0.00	0.00					/ /
Regulatory Compliance	Miguel Bojorquez	<input type="checkbox"/>		0.00	0.00					/ /
Regulatory Compliance	Miguel Bojorquez	<input type="checkbox"/>		0.00	0.00					/ /
Shift Supervisor	Corey Lahammer	<input type="checkbox"/>		0.00	0.00					/ /

Misc:	Misc Description	Cost ID	Estimated Cost	Actual Cost	Date
	Annual KCFD Inspection 2024	500-23090-1	\$0.00		/ /

Task: 1	ID: INSP-KCFD	Description: KCFD Official Annual Fire Inspection
Safety: <input type="checkbox"/>	Text: _____ Request KCFD to perform their annual fire inspection.	
	_____ Report distribution:	
	1 - Plant Manager	
	3 - O&M Supervisors	
	1 - Compliance Administrator	
	1 - Central File	

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 158296

Description: KCFD Annual Fire Inspection

Comments: 5/15/2024 MB

Contacted KCFD Inspector Brandon Taylor at 661-330-0165 to schedule the MSCC annual fire inspection. He stated they are about a week and a half out. He took down my information and MSCC information. His office will be reaching out in the next week to schedule the inspection.

On 5/28/2024 at 1511 hrs. The Kern County Fire Department inspector will was onsite to conduct our annual fire inspection. The final reports states that there were no findings and MSCC Passed the inspection.

Purchase Order: 23743
Work Order: 158296
CC: 500-23090-1
Estimated Cost: \$145.00

Paid with check # 3652.

AGENCY CONTACT REPORT - PART 1

Location: Midway Sunset Cogen Co. Date of Contact: 05/28/2024 Time: 1511

1. Method of Contact: In Person ☒ Telephone ☐ Letter (attach copy)

Name of Agency: Kern County Fire Department Office of the Fire Marshall

Name of Representative: Brandon Taylor 661-330-0165

Title ☐ Compliance Officer Kern County Fire Department

☐ Investigation Officer

☐ Consultant

☐ Industrial Hygienist

☒ Other – Title: Fire Inspector

Address of Agency Representative:

2. Reason for Contact:

☒ Routine Inspection

☐ Requesting Information

☐ Accident Investigation

☐ Investigate Citizen Complaint

☐ Investigate Employee Complaint

☐ Investigate Alleged Air Quality Violation with potential for Citation

☐ Issue an Air Quality Citation for Incident of

☐ Follow-Up on Incident of

☐ Other (Explain)

3. Company: Employee Contacted-Name: Miguel Bojorquez Title: Regulatory Compliance Specialist

Details of Contact:

Mr. Brandon Taylor from the KCFD Office of the Fire Marshall, arrived at MSCC 1511. Mr. Lahammer and I met him in the parking lot, and then escorted him to the admin building where he signed in. I verified he had the proper PPE. We then completed a tailboard and JSA in the control room with Mr. Taylor, myself, Corey Lahammer, and James Marshall as the OM1. We then began the plant inspection covering the following areas starting with the control room fire system panels, Admin building extinguishers, Admin building riser, we then moved the firewater pumps and Fire Department riser connection. When heading to the Units for inspections, Mr. Taylor requested to see the inspection reports for all of the fire suppression systems. We

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 158296

Description: KCFD Annual Fire Inspection

returned to the Admin building to retrieve the inspection reports to review with Mr. Taylor. While in the control room, I reviewed and explained the MSCC/Mojave natural gas pipeline page and answered several questions from Mr. Taylor. Mr. Taylor was also provided the MSCC/Mojave natural gas pipeline information package and a DOT Form 14 was completed for this. Mr. Taylor, after completing the inspection filled out his report in the admin kitchen. Mr. Lahammer provided Mr. Taylor with a deep explanation of the process and operations at MSCC. Mr. Taylor noted there were no findings and everything looks good. Mr. Taylor was offsite at 1633. Payment of \$145.00 in the form of a check (Check # 3652) was received by Brandon Taylor after completing the inspection.

Prepared by: Miguel Bojorquez Title: Regulatory Compliance Specialist Date: 5/28/2024

Date: 5/28/24

Enter Work Order Number: 158296 OR Project ID Number: _____

Job Scope Description: KCFD annual 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 Is the equipment depressurized?
N/A Is the equipment drained?
Y 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?
N/A Is equipment free of toxic, corrosive, or hazardous materials?
N 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?
Y 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 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.
Y Is there a permanent or portable eyewash station available for the work, if necessary?
Y Is there a permanent safety shower available for the work, if necessary?
Y Have the tailboard and Work Order review been completed?
Y Has the work area been inspected for any other hazards?
N/A 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)

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 158296

Description: KCFD Annual Fire Inspection

(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

- N/A 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/A 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 Breaking Pressure Connections (APM 141 PO MW-A-006 Work Authorization).
- N Energized Lines (APM 131,133,138,143,149,150,159, 207, 208, 408, and 409; PO-MW-A-008, Electrical Safety).
- N/A 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 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.
- Y 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 High-temp gloves.
- N Rubber chemical gloves.
- N Chemical rain suit.
- N Tyvek suit.
- N _____ Personal H2S Monitor for Offsite work.
- N _____ Snake Chaps for Offsite Hiking/Walking.

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 158296

Description: KCFD Annual Fire Inspection

ATTACHMENT 1

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

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

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?

3466 CROCKER SPRINGS RD, FELLOWS, CA
93224

28 May 2024 at 04:31 PM

Record Type: Record ID:

Fire/Operating/T19/NA T19-014492

Inspection Type: Inspector:

Regular Inspection Brandon Taylor

Result:

Granted

Comments:

Midway Sunset Cogeneration Company- Granted

Contact Information

Name: Corey or Miguel

Phone: 6617683000

Email: regulatory@mideaysunset.com

Inspector's Comments

I didn't discover any violations during my inspection.

Summary of Violation(s)

NA

Yearly Checklist

The owner/manager shall provide monthly checks (sign & date) of all fire
extinguisher tags (CCR

Title 19 Sec. 574.1).

Repair or replace emergency egress lighting/exit signs, which shall operate
normally and in

backup mode. CFC Sec 1008.3.1

Exit aisles, hallways, and stairways must be clear of obstructions. Minimum 36"
of travel width.

CFC Sec 1020.2

Approved access shall be maintained for all fire equipment. Storage, trash, and
other items shall

not prevent access. CFC Sec 509.2

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 158296

Description: KCFD Annual Fire Inspection

Payment Information (If you have yet to pay)

Kern County Fire Department

Office of the Fire Marshal

2820 M Street

Bakersfield, CA 93301

Send a copy of your inspection with the payment (include RECORD ID "T19 Number" on payment

w

if mailing by check).

Fee Amount: Paid with construction permit.

If you have any questions, don't hesitate to contact me.

Respectfully,

Brandon Taylor, P-9

Fire Inspector

Kern County Fire Department

Office of the Fire Marshal

2820 M St.

Bakersfield, CA

Email: Btaylor@kerncountyfire.org

Mobile: (661) 330-0165

Violation Summary:

Inspector Responsible party

Standard 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.

Completion Information:

Due Count/Meter

Date: _____	Emp Ini. _____	Hours. _____	0
Date: _____	Emp Ini. _____	Hours. _____	0

**MIDWAY SUNSET COGENERATION COMPANY
SITE ACCOUNT**

3466 W. CROCKER SPRINGS RD.
P. O. BOX 457
FELLOWS, CA 93224

3652

11-35/1210 CA

DATE

5/28/24

PAY
TO THE
ORDER OF

KERN COUNTY FIRE DEPARTMENT

\$ 145.00

ONE HUNDRED FORTY FIVE 00/100

DOLLARS



Photo
Safe
Deposit
Detail - 10/1/14

BANK OF AMERICA
San Francisco, California

PO#23743

FOR

ANNUAL KCFD INSPECTION 2024

Greg Jones

⑈003652⑈ ⑆121000358⑆ 12335⑈10637⑈

Make Check Payable to: Kern County Fire Department

Date: 05/28/2024

Amount Requested: \$145.00

Accounting Code: 500-23090-1

Description of Request: Annual KCFD Inspection 2024
P.O.#23743 W.O.#158296

Requested By: Lacey Curtis

Supervisory Approval: *[Signature]*

Check Number

Midway Sunset

3652

(This section for Administrative use only)

MIDWAY SUNSET COGENERATION COMPANY

CHECK REQUEST

☒

Midway Sunset Expense

Make Check Payable to: Kern County Fire Department

Date: 05/28/2024

Amount Requested: \$145.00

Accounting Code: 500-23090-1

Description of Request: Annual KCFD Inspection 2024
P.O.#23743 W.O.#158296

Requested By: Lacey Curtis

Supervisory Approval: 

Check Number

Midway Sunset 3652

(This section for Administrative use only)

MIDWAY SUNSET INSPECTION REPORT

Inspection Date: 03/14/2024 WO#157896

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
			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)
			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 B 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.
			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
			5 CR	A & B pole shield wires kicked BOL hard on static bar and. C phase AOL
			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
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
2-1			5 CR	Bottom X brace hardware in crack
			4 MN	Missing (1) 1/2" nut on bottom Knee brace on pole B
			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
			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;
			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
2-5	N/A	COND AND EHS BOTH - AH and BK	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;
			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")
2-6	2 new anchors installed 8/2015	N/A	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
				East insulator socket eye at the bottom cotter pin half way out.
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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.
				Pole B Cotter Pin half way out.
			0 RL	Range land;
2-8	N/A	N/A	4 LN	Loose (1) 1/2" bolt & nut on bottom V brace above B phase
			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 S	Staples missing on A pole ground wire
				Bird wire now missing pole A & B
			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
				East X Brace Middle bolt loose
			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
			5 BGW	Bird guard Hanging over A phase (Bird wire now gone)
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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 and C phases, but not hanging down
			5 CR	B pole shield wire brace bolt in crack
			1 BN	Bird Nest at B pole
			5 HVS	HVS missing or needs replacing (4)
				Bird Guard South/East Loose
3-5	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land;
			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
3-6	2 new anchors installed 8/2015	N/A	BW	No bird wire on structure
			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
			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
3-7	N/A	COND AND EHS BOTH - AH and BK	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
			4 BW	Bird wire B phase loose
4-1	N/A	N/A		Bird Guard gone above B phase
			0 RL	Range land;
			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)
4-2	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land;
			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;
			5 CR	B pole - EHS attachment bolt in crack
4-3	N/A	N/A	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;
			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
4-5	N/A	N/A	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;
			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)
4-6	N/A	COND AND EHS BOTH - AH and		

STR NO	ANCHOR	DAMPERS	PRIORITY LIST		2024 COMMENTS
		BK	5	SWTD	Spring washer top of X brace at pole A turned down
					A phase Bird wire Falling off
			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)
			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 on pole A
			5	HVS	HVS missing or needs replacing (1)
					Loose Nut on X Brace Bottom Upper East
5-5	N/A	COND AND EHS BOTH - AH and BK	0	RL	Range land;
			4	BW	Bird wire end loose 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 started on arm above B phase.
			1	BN	Bird nest at B pole
			4	EHS	East static shoe pulled BOL
			0	RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
			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			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" CL on 3/16/23 measured at 6". CL on 9/22/23 measured at 6". CR on 3/14/24 measured at 6"
			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. CR on 3/14/24 measured at 10"
			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			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
			1 BN	Bird nest above B phase (twigs)
			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
			5 XB	X-brace starting to de-laminate.
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST		2024 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
					Broken shead on A phase North West in the (Middle)
			0	RL	Range land;
				COND	BOI sag off - B & C phase insulators AOL (A phase sag lowest - B phase middle sag - C phase sag highest)
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
			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)
					Delamination on the X brace
			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)
			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
			0	RL	Range land;
7-7	N/A	N/A	4	LN	Loose (1) 1/2" nut on bottom knee brace - above A phase
			5	CR	Spiral cracking B pole at bottom of X-brace
			5	HVS	HVS missing or needs replacing (1)
					Loose bolt on A phase Knee top side.
7-8	N/A	COND AND EHS BOTH - AH and BK	0	RL	Range land;
			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
					Pole B (2) Loose bolts on knee brace.
			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
					Phase B bracket missing nut and loose bolt.
			0	RL	Range land;
			5	S	Loose staples on A, B and C poles

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
8-2	7 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	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
			0 RL	Range land;
			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
			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
				Loose Nut V brace & Loose Nut on X brace on 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
				Phase A & B Loose shoe nuts.
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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;
			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 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)
			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)
			4 BW	No bird wire on structure
				Loose bolt A Phase Knee Brace
			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	2024 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;
				REPRODUCTION PROHIBITED - www.fishbase.org
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;
				REPRODUCTION PROHIBITED - www.fishbase.org
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;
				REPRODUCTION PROHIBITED - www.fishbase.org
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
				Loose bolt top side south pole X brace.
			0 RL	Range land;
				REPRODUCTION PROHIBITED - www.fishbase.org
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;
				REPRODUCTION PROHIBITED - www.fishbase.org
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;
				REPRODUCTION PROHIBITED - www.fishbase.org

STR NO	ANCHOR	DAMPERS	PRIORITY LIST		2024 COMMENTS
10-B	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)
			1	MN	A pole upper X brace has 1/2" nut loose, 2 missing
			4	BW	No bird wire on structure
					X Brace A pole missing nut and bolt
11-3	N/A	COND AND EHS BOTH - AH and BK	5	RL	Range land;
			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
					Knee brace pole A Loose bolt
11-4	N/A	N/A	5	RL	Range land;
			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
					Delamination on the X brace , Loose boll knee C phase
11-6	N/A	COND AND EHS BOTH - AH ONLY	0	RL	Range land;
			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
11-7	N/A	N/A			B pole knee brace loose bolt
			0	RL	Range land;
			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	2024 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
				V brace loose bolt Both A & B pole.
			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
				Pole A Top side knee brace loose bolt
			0 RL	Range land;
12-3			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
			0 RL	Range land;
12-4	N/A	N/A	4 LN	Loose (2) 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
				Pole B top side knee brace loose bolt
			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)
				Pole A loose bolt on upper V brace
			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 LB	2 Loose bolts upper X brace pole B
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST		2024 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)
					Pole A loose bolt on upper V brace.
			0	RL	Range land;
13-2			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)
					Pole A knee brace loose bolt.
13-3	N/A	N/A	0	RL	Range land;
			5	D	Daylight between bottom of X bracing and A and B poles - up to 1/8"
				M	HVS missing or needs replacing (3)
			5	HVS	Daylight between the knee & V braces.
			5	D	Cotter key pushed out on socket-eye for center phase shoe, loose nuts on shoe
13-4	N/A	COND AND EHS BOTH - AH and BK	1	CK	Pole B upper brace loose bolt on V brace
			0	RL	Range land;
			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			FROM THE ATTACHMENT - WITH THE V BRACING AND
			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;
					FROM THE ATTACHMENT - WITH THE V BRACING AND

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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" nut/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)
				Delamination on the X brace
14-3	N/A	N/A	0 RL	Range land;
				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
				Loose Bolt on Knee brace Bracket
14-4	N/A	N/A	0 RL	Range land;
				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 1/2 bolt upper knee brace on pole B
14-5	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land;
				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)
14-6	N/A	N/A	0 RL	Range land;
				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)
			4 LB	Loose 1/2 bolt center of V brace
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
			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)
				Loose bolt on V brace at 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;
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)
				Lower X Brace loose bolt on Pole A
			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)
			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
			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)
				Pole A Loose bolt on the Knee brace
			PT	Pistachio trees - saplings 5-6.5' tall. 12' tall on 3/14/2024 CR
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
				Pole B loose bolt on upper V Brace bracket.
			PT	Pistachio trees - saplings 10' tall
16-3	N/A	N/A	5 HVS	HVS missing or needs replacing (4)
			PT	Pistachio trees - 9' tall

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
				Loose Bird wire Overhead
16-5			C	Cotton field
			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
			5 HVS	HVS missing or needs replacing (3)
16-6	N/A	COND AND EHS BOTH - AH and BK		Loose Ground Wire
			C	Cotton field
			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)
				broken ground wire
			C	Onion 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
				Broken Ground Wire on Pole A
			C	Onion field
17-1	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (2)
				Broken Ground Wire on Pole A
			C	Cotton field
17-2	N/A	N/A	5 HVS	HVS missing or needs replacing (3)
				Broken Ground Wire 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)
				Pole A loose bolt on upper knee brace
			C	Pistachio Trees - saplings 10' tall
17-4	2 new anchors installed 8/2015	N/A	5 FED	Farm Equipment Damage - minor - A pole - 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
			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	Loose 1/2" bolt lower X braces on pole B
				Both A and B pole V Brace top side loose bolts
17-7	N/A	COND AND EHS BOTH - AH and BK	C	Cotton field
			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
18-1	N/A	OK	C	Cotton field
			5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on A pole
18-2	N/A	COND AND EHS BOTH - AH and BK	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
			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	2024 COMMENTS
			5 HVS HVS missing or needs replacing (4)	
			C Cotton field	
18-3	N/A	N/A	C Cotton field	
			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	
			Pole B X brace Bottom side loose bolt	
			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)	
			2 BN Bird nest over B pole	
			Bird Nest on Pole B Static Line.	
			C Cotton field	
			5 HVS HVS missing or needs replacing (3)	
18-6	N/A	COND AND EHS BOTH - AH and BK	Pole B loose Bolt on upper V brace bracket, Pole B upper X brace loose bolt	
			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)	
			Pole B Knee brace upper loose bolt	
			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	
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)	
			Loose bolts on Pole A and B Knee brace.	
			PT Pistachio grove trees approaching 16-17 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)	
			Pole A upper V brace Bracket Loose bolt	
			Pole B loose Bolt on Upper Knee Brace	
			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	
19-4	N/A	N/A	5 HVS HVS missing or needs replacing (3)	
			C Tomato 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.	
			Pole ID Number Missing	
			C Tomato 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'	
			C Tomato field	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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	Tomato field
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, the insulators on B & C phases that are now slack and swinging in towards the str, Jumpers need to be lengthened.
			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		Range land - fenced yard at Midway substation
			RL	Conductor-Kink Wire Above the fence. Looks like the wire rested on the fence at one point of time. All 3 Phases.
MSCC 0-1	N/A	N/A	L	Lattice structure - all members tightly fastened
				Range land - fenced yard at Midway substation
			RL	Kink Wire where the Shoe was Moved Kinks are about 3 Feet West of all 3 phase's shoes.

The

MSCC Switchyard	N/A	N/A			North side of Station - A Frame
			4	CK	Cotter key on southwest dead end halfway out
MSCC Poles #0/1	N/A	N/A	1	BN	2 Bird nests on A-frame
			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			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
			3	OI	Polymer D.E. Insulators leaking
Western Substation	N/A	N/A			In Western substation - south 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
MSCC Pole #0/2	OK	N/A			In Western substation - east side H frame str (north str)
MSCC Pole #0/3	OK	N/A			In Western substation - east side H frame str (south str)
			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
MSCC Pole #0/4	OK	N/A			East of Western substation (set of 3 poles)
			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		2024 COMMENTS
MSCC Pole #0/5	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 #0/6	OK	N/A	4	CK	Cotter key bottom phase north side halfway out
					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.
Victory Substation "H" Str	N/A	N/A	4	CK	Cotter key halfway out on dead end shoe bottom phase North side.
			5	GG	Missing guy guards on down guys (2)
					In Victory substation

Midway Sunset CoGeneration
WORK ORDER - Preventive Maintenance - O&M

Work Order: 157896

Description: Quarterly Gen Lead Line Inspection

Asset ID: Y-LINE	Model:	Sch Date: 1/1/2024
Asset: Generator lead Line	Serial No:	Add Date: 12/21/2023 1:09:36 PM
Procedure: Quarterly Generator Lead Line Inspection	Location:	Priority: 4
Master WO ID:	Building:	Shift: swingshift
Requested By:	Floor: Room:	Supervisor: Williams, Mike O.
Telephone: Ext:	Elec Line:	Status: Completed
Request ID:	Asset ShutDn: <input type="checkbox"/> Plant ShutDn: <input type="checkbox"/>	Skill: OP2
Warranty:		Assigned To:

Labor:		Assigned To	Cost ID	Est Hrs	Rem Hrs	Reg	Over	Double	Other	Date
Craft Description	Labor Description									
Facility Operator Mech	Corey Rutkes	<input type="checkbox"/>		0.00	0.00					/ /
Facility Operator Mech	Raul Mosqueda	<input type="checkbox"/>		0.00	0.00					/ /

Task: 2 ID: JSA

Description: Job Safety Analysis

Safety: ☒

Text:

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?
- ___ 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-I2-01, 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

Midway Sunset CoGeneration
WORK ORDER - Preventive Maintenance - O&M

Work Order: 157896

Description: Quarterly Gen Lead Line Inspection

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).
- _____ 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.

Midway Sunset CoGeneration
WORK ORDER - Preventive Maintenance - O&M

Work Order: 157896

Description: Quarterly Gen Lead Line Inspection

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:

Task: 3 ID: INSP-QTR GEN LEAD LN Description: Quarterly Generator Lead Line Inspection

Safety: ☐ Text: _____ 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 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 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

Midway Sunset CoGeneration
WORK ORDER - Preventive Maintenance - O&M

Work Order: 157896

Description: Quarterly Gen Lead Line Inspection

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

Midway Sunset CoGeneration
WORK ORDER - Preventive Maintenance - O&M

Work Order: 157896

Description: Quarterly Gen Lead Line Inspection

Comments: 3/14/24 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 #2 will be present. Inspected the Generator Lead Line from plant to Midway Substation in Buttonwillow. Updated report and saved in L:\Transmission Line Inspections\2024 GLL Inspections\2024 1st Quarter Inspection WO 157896.

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: 3/14/2024

Enter Work Order Number: 157896 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?

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).

Midway Sunset CoGeneration
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Description: Quarterly Gen Lead Line Inspection

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 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.

Midway Sunset CoGeneration
WORK ORDER - Preventive Maintenance - O&M

Work Order: 157896

Description: Quarterly Gen Lead Line Inspection

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 RM

Standard 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.

Completion Information:

Due Count/Meter

Date: _____	Emp Ini. _____	Hours. _____	0
Date: _____	Emp Ini. _____	Hours. _____	0

MIDWAY SUNSET INSPECTION REPORT

Inspection Date: 06/13/2024 WO#159681

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
			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)
			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 B 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.
			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
			5 CR	A & B pole shield wires kicked BOL hard on static bar and, C phase AOL
			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
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
2-1			5 CR	Bottom X brace hardware in crack
			4 MN	Missing (1) 1/2" nut on bottom Knee brace on pole B
			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
			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; Gate to 2-5
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
				East insulator socket eye at the bottom cotter pin half way out.
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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.
				Pole B Cotter Pin half way out.
			0 RL	Range land;
2-8	N/A	N/A	4 LN	Loose (1) 1/2" bolt & nut on bottom V brace above B phase
			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 S	Staples missing on A pole ground wire
				Bird wire now missing pole A & B
			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
				East X Brace Middle bolt loose
			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
			5 BGW	Bird guard Hanging over A phase (Bird wire now gone)
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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 and C phases, but not hanging down
			5 CR	B pole shield wire brace bolt in crack
			1 BN	Bird Nest at B pole
			5 HVS	HVS missing or needs replacing (4)
				Bird Guard South/East Loose
3-5	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land;
			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
3-6	2 new anchors installed 8/2015	N/A	BW	No bird wire on structure
			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
			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
3-7	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (4)
			0 RL	Range land;
			5 D	Daylight between A pole and lower X brace attachment
			4 BW	Bird wire B phase loose
4-1	N/A	N/A		Bird Guard gone above B phase
			0 RL	Range land;
			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)
4-2	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land;
			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)
4-3	N/A	N/A	0 RL	Range land;
			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
			4 BW	Bird wire hanging over B phase
4-4	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land;
			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)
4-5	N/A	N/A	0 RL	Range land;
			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)
4-6	N/A	COND AND EHS BOTH - AH and	0 RL	Range land;
			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)

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
		BK	5 SWTD	Spring washer top of X brace at pole A turned down
				A phase Bird wire Falling off
			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)
			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 on pole A
			5 HVS	HVS missing or needs replacing (1)
				Loose Nut on X Brace Bottom Upper East
			0 RL	Range land;
5-5	N/A	COND AND EHS BOTH - AH and BK	4 BW	Bird wire end loose 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 started on arm above B phase.
			1 BN	Bird nest at B pole — Confirmed 6/13/24
			4 EHS	East static shoe pulled BOL
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST		2024 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
			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			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' CR on 3/14/24 measured at 6'; CL on 6/13/24 measured at 6'
			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. CR on 3/14/24 measured at 10'
			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			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
			5	HVS	HVS missing or needs replacing (2)
6-4	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	0	RL	Range land;
			5	D	Daylight between pole and guy attachments
			5	HVS	HVS missing or needs replacing (1)
			2	CK	Cotter key halfway out where tumbuckle meets insulator on C phase
6-5			0	RL	Range land;
			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
			5	XB	X-brace starting to de-laminate.
6-5			0	RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST		2024 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
					Broken shead on A phase North West in the (Middle)
			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)
					Delamination on the X brace
			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)
			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
			0	RL	Range land,
7-7	N/A	N/A	4	LN	Loose (1) 1/2" nut on bottom knee brace - above A phase
			5	CR	Spiral cracking B pole at bottom of X-brace
			5	HVS	HVS missing or needs replacing (1)
					Loose bolt on A phase Knee top side.
			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
					Pole B (2) Loose bolts on knee brace.
			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
					Phase B bracket missing nut and loose bolt.
			0	RL	Range land,
			5	S	Loose staples on A, B and C poles

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
B-2	7 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	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;
B-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
			0 RL	Range land;
			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;
			5 HVS	HVS missing or needs replacing (2)
			5 GG	Replace guy guards due to uv damage
B-5	N/A	N/A	4 S	Staples missing out of ground wires on both poles A & B
			0 RL	Range land;
			5 CR	A pole shield wire bolt in crack
			5 CR	Upper V-brace bolt at B pole in crack
B-6	2 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	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;
			5 CR	A pole has crack 6" deep and 1" wide from ground level to 12' up
B-7	N/A	N/A	4 MN	Missing (1) 1/2" nut on center bottom V brace
				Loose Nut V brace & Loose Nut on X brace on 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
B-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
				Phase A & B Loose shoe nuts.
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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;
			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;
			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;
			0 RL	Range land;
			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;
			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)
			4 BW	No bird wire on structure
				Loose bolt A Phase Knee Brace
			0 RL	Range land;
			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	2024 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	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
10-6	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
10-7	N/A	COND AND EHS BOTH - AH and BK	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

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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)
			1 MN	A pole upper X brace has 1/2" nut loose, 2 missing
			4 BW	No bird wire on structure
				X Brace A pole missing nut and bolt
			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
				Knee brace pole A Loose bolt
			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
				Delamination on the X brace , Loose bolt knee 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
				B pole knee brace loose bolt
			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	2024 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
				V brace loose bolt Both A & B pole.
			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
				Pole A Top side knee brace loose bolt
			0 RL	Range land;
12-3			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
			0 RL	Range land;
12-4	N/A	N/A	4 LN	Loose (2) 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
				Pole B top side knee brace loose bolt
			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)
				Pole A loose bolt on upper V brace
			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 LB	2 Loose bolts upper X brace pole B
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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)
				Pole A loose bolt on upper V brace.
			0 RL	Range land;
13-2			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)
				Pole A knee brace loose bolt.
13-3	N/A	N/A	0 RL	Range land;
			5 D	Daylight between bottom of X bracing and A and B poles - up to 1/8"
			M	HVS missing or needs replacing (3)
			5 HVS	Daylight between the knee & V braces.
			5 D	Cotter key pushed out on socket-eye for center phase shoe, loose nuts on shoe
13-4	N/A	COND AND EHS BOTH - AH and BK	1 CK	Pole B upper brace loose bolt on V brace
			0 RL	Range land;
			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	2024 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" nut/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)
				Delamination on the X brace
14-3	N/A	N/A	0 RL	Range land;
				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
14-4	N/A	N/A		Loose Bolt on Knee brace Bracket
			0 RL	Range land;
				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)
14-5	N/A	COND AND EHS BOTH - AH and BK	4 LB	Loose 1/2 bolt upper knee brace on pole B
			0 RL	Range land;
				Aqueduct AOL
				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
14-6	N/A	N/A	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)
			0 RL	Range land;
				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)
			4 LB	Loose 1/2 bolt center of V brace
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
			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)
				Loose bolt on V brace at pole B
15-2	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land;
				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)
				Lower X Brace loose bolt on Pole A
			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)
			5 CR	B pole bottom X bracing bolted into crack
			0 RL	Range land; CANAL AOL
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
			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)
				Pole A Loose bolt on the Knee brace
			PT	Pistachio trees - saplings 5-6.5' tall. 12' tall on 3/14/2024 CR
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
				Pole B loose bolt on upper V Brace bracket.
16-3	N/A	N/A	PT	Pistachio trees - saplings 10' tall
			5 HVS	HVS missing or needs replacing (4)
			PT	Pistachio trees - 9' tall

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
				Loose Bird wire Overhead
16-5			C	Cotton field
			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
			5 HVS	HVS missing or needs replacing (3)
16-6	N/A	COND AND EHS BOTH - AH and BK		Loose Ground Wire
			C	Cotton field
			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)
				broken ground wire
			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
				Broken Ground Wire on Pole A
			C	Onion field
17-1	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (2)
				Broken Ground Wire on Pole A
17-2	N/A	N/A	C	Cotton field
			5 HVS	HVS missing or needs replacing (3)
17-3	N/A	COND AND EHS BOTH - AH and BK		Broken Ground Wire on Pole A
			C	Cotton field
			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)
17-4	2 new anchors installed 8/2015	N/A		Pole A loose bolt on upper knee brace
			C	Pistachio Trees - saplings 10' tall
			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
17-5	N/A	COND AND EHS BOTH - AH and BK	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
			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
			5 CR	B pole has a crack from bottom to top of bottom X brace
17-6	N/A	N/A	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"
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose 1/2" bolt lower X braces on pole B
17-7	N/A	COND AND EHS BOTH - AH and BK		Both A and B pole V Brace top side loose bolts
			C	Cotton field
			4 LN	Loose (1) 1/2" nut on bottom outside V brace above C phase
			5 HVS	HVS missing or needs replacing (4)
18-1	N/A	OK	4 BGW	Broken ground wire on B pole
			C	Cotton field
			5 HVS	HVS missing or needs replacing (4)
18-2	N/A	COND AND EHS BOTH - AH and BK		Broken Ground Wire on Pole A
			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	2024 COMMENTS
			5 HVS	HVS missing or needs replacing (4)
			C	Cotton field
18-3	N/A	N/A	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
				Pole B X brace Bottom side loose bolt
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)
			2 BN	Bird nest over B pole
				Bird Nest on Pole B Static Line.
18-6	N/A	COND AND EHS BOTH - AH and BK	C	Cotton field
			5 HVS	HVS missing or needs replacing (3)
				Pole B loose Bolt on upper V brace bracket, Pole B upper X brace loose bolt
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)
				Pole B Knee brace upper loose bolt
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)
				Loose bolts on Pole A and B Knee brace.
19-3	N/A	COND AND EHS BOTH - AH and BK	PT	Pistachio grove trees approaching 16-17 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 AOL up to 1"
			4 LB	Loose 1/2 bolt upper V brace on pole B
			5 HVS	HVS missing or needs replacing (4)
				Pole A upper V brace Bracket Loose bolt
19-4	N/A	N/A		Pole B loose Bolt on Upper Knee Brace
			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
19-5	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			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.
				Pole ID Number Missing
19-6	N/A	N/A	C	Tomato field
			5 HVS	HVS missing or needs replacing (3)
			5 EHS	Static wire on pole A BOL 1.5'

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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 Hell crew get a better look at it on their yearly maintenance
			C	Tomato field
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, the insulators on B & C phases that are now slack and swinging in towards the str, Jumpers need to be lengthened.
			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
				Range land - fenced yard at Midway substation
			RL	Conductor-Kink Wire Above the fence. Looks like the wire rested on the fence at one point of time. All 3 Phases.
MSCC 0-1	N/A	N/A	L	Lattice structure – all members tightly fastened
				Range land - fenced yard at Midway substation
			RL	Kink Wire where the Shoe was Moved Kinks are about 3 Feet West of all 3 phase's shoes.

The

MSCC Switchyard	N/A	N/A			North side of Station - A Frame
			4 CK		Cotter key on southwest dead end halfway out
MSCC Poles #0/1	N/A	N/A	1 BN		2 Bird nests on A-frame
					South of switchyard area – next to road
			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.
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)
MSCC Pole #0/3	OK	N/A			In Western substation – east side H frame str (south str)
			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
MSCC Pole #0/4	OK	N/A			East of Western substation (set of 3 poles)
			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		2024 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	4	CK	Cotter key bottom phase north side halfway out
					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.
Victory Substation "H" Str	N/A	N/A	4	CK	Cotter key halfway out on dead end shoe bottom phase North side.
			5	GG	Missing guy guards on down guys (2)
					In Victory substation

Midway Sunset CoGeneration
WORK ORDER - Preventive Maintenance - O&M

Work Order: 159681

Description: Quarterly Gen Lead Line Inspection

Asset ID: Y-LINE	Model:	Sch Date: 4/1/2024
Asset: Generator lead Line	Serial No:	Add Date: 4/1/2024 10:19:24 AM
Procedure: Quarterly Generator Lead Line Inspection	Location:	Priority: 4
Master WO ID:	Building:	Shift: swingshift
Requested By:	Floor: Room:	Supervisor: Williams, Mike O.
Telephone: Ext:	Elec Line:	Status: Completed
Request ID:	Asset ShutDn: <input type="checkbox"/> Plant ShutDn: <input type="checkbox"/>	Skill: OP2
Warranty:		Assigned To:

Labor:	Assigned To	Cost ID	Est Hrs	Rem Hrs	Reg	Over	Double	Other	Date
Craft Description	Labor Description								
Shift Supervisor	Corey Lahammer	<input type="checkbox"/>	0.00	0.00					/ /

Task: 2 ID: JSA Description: Job Safety Analysis

Safety: ☒ Text: 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?
- ___ 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.

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Work Order: 159681

Description: Quarterly Gen Lead Line Inspection

- _____ 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).
- _____ 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.

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Description: Quarterly Gen Lead Line Inspection

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:

Task: 3 **ID: INSP-QTR GEN LEAD LN** **Description: Quarterly Generator Lead Line Inspection**

Safety: ☐ Text: _____ 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 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 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

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Description: Quarterly Gen Lead Line Inspection

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

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Description: Quarterly Gen Lead Line Inspection

Comments: 6/13/24 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, uneven walking surfaces and environmentally sensitive areas. H2S meter #5 will be present. Completed inspection of the Generator Lead Line. Notes as follows: Only 1 nest on the MSCC line at structure 5-5, no other nests at this time. Trees in orchard are currently about 12' and there was no encroachment of the line. Updated report and saved in L:/Transmission Line Inspections/2024 GLL Inspections/ 2nd Quarter Inspection WO 159681. 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: 6/13/2024

Enter Work Order Number: 159681 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?

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

Midway Sunset CoGeneration
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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 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.

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N/A Tyvek suit.

 Y Personal H2S Monitor for Offsite work.

 Y Snake Chaps for Offsite Hiking\Walking.

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Description: Quarterly Gen Lead Line Inspection

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

Standard 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.

Completion Information:

Due Count/Meter

Date: _____ Emp Ini. _____ Hours. _____ 0

Date: _____ Emp Ini. _____ Hours. _____ 0

MIDWAY SUNSET INSPECTION REPORT

Inspection Date: 08/28/2024 WO#160867

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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. B pole needs replaced
			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)
			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 B 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.
			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
			5 CR	A & B pole shield wires kicked BCL hard on static bar and. C phase AOL
			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
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
2-1			5 CR	Bottom X brace hardware in crack
			4 MN	Missing (1) 1/2" nut on bottom Knee brace on pole B
			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
			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; Gate to 2-5
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
				East insulator socket eye at the bottom cotter pin half way out.
			0 RL	Range land,

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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.
				Pole B Cotter Pin half way out.
			0 RL	Range land;
2-8	N/A	N/A	4 LN	Loose (1) 1/2" bolt & nut on bottom V brace above B phase
			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 S	Staples missing on A pole ground wire
				Bird wire now missing pole A & B
			0 RL	Range land;
			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
				Bird wire hanging over B phase
				East X Brace Middle bolt loose
			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
			5 BGW	Bird guard Hanging over A phase (Bird wire now gone)
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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 and C phases, but not hanging down
			5 CR	B pole shield wire brace bolt in crack
			1 BN	Bird Nest at B pole
			5 HVS	HVS missing or needs replacing (4)
				Bird Guard South/East Loose
			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
			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
				Bird Guard gone above B phase
			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
			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
				A phase Bird wire Falling off

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
			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)	
			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 on pole A	
			5 HVS HVS missing or needs replacing (1)	
			Loose Nut on X Brace Bottom Upper East	
5-5	N/A	COND AND EHS BOTH - AH and BK	0 RL Range land;	
			4 BW Bird wire end loose 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 started on arm above B phase.	
			1 BN Bird nest at B pole --- Confirmed 08/28/24	
			4 EHS East static shoe pulled BOL	
			0 RL Range land;	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
			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			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' CR on 3/14/24 measured at 6', CL on 6/13/24 measured at 6', CL on 08/28/2024 measured at 6'
6-2	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land.
			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. CR on 3/14/24 measured at 10'
			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			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
			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, Have 3rd party confirm
			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
			5 XB	X-brace starting to de-laminate.
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST		2024 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
					Broken shead on A phase North West in the (Middle)
			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)
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
			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)
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)
					Delamination on the X brace
			0	RL	Range land;
				COND	B & C phase insulators AOL - 2"
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)
			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;
				COND	BOL sag off - B & C phase insulators AOL (A phase sag lowest - B phase middle sag - C phase sag highest)
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
			0	RL	Range land;
7-7	N/A	N/A	4	LN	Loose (1) 1/2" nut on bottom knee brace - above A phase
			5	CR	Spiral cracking B pole at bottom of X-brace
			5	HVS	HVS missing or needs replacing (1)
					Loose bolt on A phase Knee top side.
			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
					Pole B (2) Loose bolts on knee brace.
			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
					Phase B bracket missing nut and loose bolt.
			0	RL	Range land;
7 new		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"

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
8-2	anchors installed 8/2015	COND AND EHS BOTH - AH and BK	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
			0 RL	Range land;
			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
			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
				Loose Nut V brace & Loose Nut on X brace on 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
				Phase A & B Loose shoe nuts.
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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;
			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;
			5 BW	Missing bird wire above C phase.
9-3	N/A	N/A	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;
			5 BW	Missing bird wire above C phase.
9-3.5	N/A	COND AND EHS BOTH - AH and BK	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;
			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
9-4	N/A	N/A	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;
			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"
9-5	N/A	COND AND EHS BOTH - AH and BK	4 BW	No bird wire on structure
			0 RL	Range land;
			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
9-6	N/A	N/A	4 LB	Loose 1/2 bolt in the upper X-brace pole B
			4 BW	No bird wire on structure
			0 RL	Range land;
			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)
			4 BW	No bird wire on structure
				Loose bolt A Phase Knee Brace
			0 RL	Range land;
			M	New C pole installed fall of 2014
10-1	9 new anchors installed 8/2015	COND AH - no EHS	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		2024 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
					Loose bolt top side south pole X brace.
			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	2024 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)
			1 MN	A pole upper X brace has 1/2" nut loose, 2 missing
			4 BW	No bird wire on structure
				X Brace A pole missing nut and bolt
			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
				Knee brace pole A Loose bolt
11-4	N/A	N/A	0 RL	Range land;
			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
				Delamination on the X brace , Loose bolt knee C phase
11-6	N/A	COND AND EHS BOTH - AH ONLY	0 RL	Range land;
			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
11-7	N/A	N/A		B pole knee brace loose bolt
			0 RL	Range land;
			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)
12-1	N/A	COND AND EHS BOTH - AH and	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
			5 HVS	HVS missing or needs replacing (4)
			5 SWTD	Spring washer turned down lower X brace A pole

STR NO	ANCHOR	DAMPERS	PRIORITY LIST		2024 COMMENTS
		BK	4	BW	No bird wire on structure
					V brace loose bolt Both A & B pole.
			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
					Pole A Top side knee brace loose bolt
			0	RL	Range land;
12-3			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
			0	RL	Range land;
12-4	N/A	N/A	4	LN	Loose (2) 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
					Pole B top side knee brace loose bolt
			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)
					Pole A loose bolt on upper V brace
			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	LB	2 Loose bolts upper X brace pole B
			0	RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST		2024 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)
					Pole A loose bolt on upper V brace.
			0	RL	Range land;
13-2			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)
					Pole A knee brace loose bolt.
13-3	N/A	N/A	5	D	Daylight between bottom of X bracing and A and B poles - up to 1/8"
				M	HVS missing or needs replacing (3)
			5	HVS	Daylight between the knee & V braces.
			5	D	Cotter key pushed out on socket-eye for center phase shoe, loose nuts on shoe
			1	CK	Pole B upper brace loose bolt on V brace
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	2024 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" nut/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)
				Delamination on the X brace
			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
				Loose Bolt on Knee brace Bracket
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 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)
14-6	N/A	N/A		Aqueduct AOL
				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)
			4 LB	Loose 1/2 bolt center of V brace
			0 RL	Range land;

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
			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)
				Loose bolt on V brace at 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
			5 HVS	HVS missing or needs replacing (3)
15-3	N/A	N/A	5 CR	B-pole crack, ground to 20'
			5 HVS	HVS missing or needs replacing (3)
				Lower X Brace loose bolt on Pole A
			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)
			5 CR	B pole bottom X bracing bolted into crack
			0 RL	Range land; CANAL AOL
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
			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)
				Pole A Loose bolt on the Knee brace
			PT	Pistachio trees - saplings 5-6.5' tall. 12' tall on 3/14/2024 CR
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
				Pole B loose bolt on upper V Brace bracket.
16-3	N/A	N/A	PT	Pistachio trees - saplings 10' tall
			5 HVS	HVS missing or needs replacing (4)
			PT	Pistachio trees - 9' tall

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
				Loose Bird wire Overhead
16-5			C	Cotton field
			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
			5 HVS	HVS missing or needs replacing (3)
16-6	N/A	COND AND EHS BOTH - AH and BK		Loose Ground Wire
			C	Cotton field
			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)
16-7	N/A	N/A		broken gound wire
			C	Cotton field
			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
17-1	N/A	COND AND EHS BOTH - AH and BK		Broken Ground Wire on Pole A
			C	Cotton field
			5 HVS	HVS missing or needs replacing (2)
				Broken Ground Wire on Pole A
17-2	N/A	N/A	C	Cotton field
			5 HVS	HVS missing or needs replacing (3)
				Broken Ground Wire 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)
				Pole A loose bolt on upper knee brace
			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
17-5	N/A	COND AND EHS BOTH - AH and BK	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
			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)
17-6	N/A	N/A	C	Cotton field
			EHS	A pole shield wire pulled AOL - up to 1"
			5 HVS	HVS missing or needs replacing (4)
			4 LB	Loose 1/2" bolt lower X braces on pole B
17-7	N/A	COND AND EHS BOTH - AH and BK		Both A and B pole V Brace top side loose bolts
			C	Cotton field
			4 LN	Loose (1) 1/2" nut on bottom outside V brace above C phase
			5 HVS	HVS missing or needs replacing (4)
18-1	N/A	OK	4 BGW	Broken ground wire on B pole
			C	Cotton field
			5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on A pole
18-2	N/A	COND AND EHS BOTH - AH and BK	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
			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

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
18-3	N/A	N/A	C	Cotton field, Bird nest
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
				Pole B X brace Bottom side loose bolt
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)
			2 BN	Bird nest over B pole
				Bird Nest on Pole B Static Line.
18-6	N/A	COND AND EHS BOTH - AH and BK	C	Cotton field
			5 HVS	HVS missing or needs replacing (3)
				Pole B loose Bolt on upper V brace bracket, Pole B upper X brace loose bolt
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)
				Pole B Knee brace upper loose bolt
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)
				Loose bolts on Pole A and B Knee brace.
19-3	N/A	COND AND EHS BOTH - AH and BK	PT	Pistachio grove trees approaching 16-17 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 AOL up to 1"
			4 LB	Loose 1/2 bolt upper V brace on pole B
			5 HVS	HVS missing or needs replacing (4)
				Pole A upper V brace Bracket Loose bolt
19-4	N/A	N/A		Pole B loose Bolt on Upper Knee Brace
			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
19-5	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			5 CR	A pole splitting starting at 6' approx. 1" wide x 8" deep
			5 XB	X-braces installed backwards.
				Pole ID Number Missing
			C	Tomato 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'
			C	Tomato field

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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	Tornalo field
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, the insulators on B & C phases that are now slack and swinging in towards the str, Jumpers need to be lengthened.
			5 MB	Missing a bolt on each of the 16 horizontal facings 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
				Range land - fenced yard at Midway substation
			RL	Conductor -Kink Wire Above the fence. Looks like the wire rested on the fence at one point of time. All 3 Phases
MSCC 0-1	N/A	N/A	L	Lattice structure – all members tightly fastened
				Range land - fenced yard at Midway substation
			RL	Kink Wire where the Shoe was Moved Kinks are about 3 Feet West of all 3 phase's shoes.

The

MSCC Switchyard			N/A		N/A				North side of Station - A Frame	
							4	CK	Cotter key on southwest dead end halfway out	
MSCC Poles #0/1			N/A		N/A		1	BN	2 Bird nests on A-frame	
							South of switchyard area – next to road			
							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.	
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)			
MSCC Pole #0/3			OK		N/A				In Western substation – east side H frame str (south str)	
MSCC Pole #0/4			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)			
							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		2024 COMMENTS
MSCC Pole #0/5	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 #0/6	OK	N/A	4	CK	Cotter key bottom phase north side halfway out
					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.
Victory Substation "H" Str	N/A	N/A	4	CK	Cotter key halfway out on dead end shoe bottom phase North side.
			5	GG	Missing guy guards on down guys (2)
					In Victory substation

Midway Sunset CoGeneration
WORK ORDER - Preventive Maintenance - O&M

Work Order: 160867

Description: Quarterly Gen Lead Line Inspection

Asset ID: Y-LINE	Model:	Sch Date: 7/1/2024
Asset: Generator lead Line	Serial No:	Add Date: 6/27/2024 1:58:24 PM
Procedure: Quarterly Generator Lead Line Inspection	Location:	Priority: 4
Master WO ID:	Building:	Shift: swingshift
Requested By:	Floor: Room:	Supervisor: Williams, Mike O.
Telephone: Ext:	Elec Line:	Status: Completed
Request ID:	Asset ShutDn: <input type="checkbox"/> Plant ShutDn: <input type="checkbox"/>	Skill: OP2
Warranty:		Assigned To:

Labor:		Assigned To	Cost ID	Est Hrs	Rem Hrs	Reg	Over	Double	Other	Date
Craft Description	Labor Description									
Facility Operator Mecha	Dusty Gomez	<input type="checkbox"/>		0.00	0.00					/ /
Shift Supervisor	Corey Lahammer	<input type="checkbox"/>		0.00	0.00					/ /

Task: 2 ID: JSA

Description: Job Safety Analysis

Safety: ☒

Text:

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?
- ___ 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

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Description: Quarterly Gen Lead Line Inspection

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).
- ☐ 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.

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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:

Task: 3 ID: INSP-QTR GEN LEAD LN

Description: Quarterly Generator Lead Line Inspection

Safety: ☐ Text: _____ 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 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 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

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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

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WORK ORDER - Preventive Maintenance - O&M

Work Order: 160867

Description: Quarterly Gen Lead Line Inspection

Comments: 8/28/24 CL,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. Notes as follows: Only 4 nests on the MSCC line at structure 5-5, two on MSCC switchyard A frame and 13-8 pole no other nests at this time. Trees in orchard are currently about 12' and there was no encroachment of the line. Updated report and saved in L:/Transmission Line Inspections/2024 GLL Inspections/ 3rd Quarter Inspection WO 160867. 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: 8/28/2024

Enter Work Order Number: 160867 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?

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?

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WORK ORDER - Preventive Maintenance - O&M

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Description: Quarterly Gen Lead Line Inspection

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 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.

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Work Order: 160867

Description: Quarterly Gen Lead Line Inspection

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,DG

Standard 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.

Completion Information:

Due Count/Meter

Date: _____ Emp Ini. _____ Hours. _____ 0

Date: _____ Emp Ini. _____ Hours. _____ 0

MIDWAY SUNSET INSPECTION REPORT

Inspection Dates: 11/12/2024 through 11/14/2024 WO#162112

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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.
			5 CR	Spiral crack, A & C poles full length
			5 CR	C pole horizontal insulator hardware bolt in crack
1-2	OK	COND AND EHS BOTH - AH and BK	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.
			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
1-3	N/A	COND AND EHS BOTH - AH and BK	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
			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
1-4	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
			5 XB	X-braces starting to de-laminate.
			0 RL	Range land.
			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")
1-5	N/A	COND AND EHS BOTH - AH and BK	5 HVS	HVS missing or needs replacing (3)
			0 RL	Range land.
			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.
1-6	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.
			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

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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.
			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	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	Coller key pushed out on socket eye for C phase
			0 RL	Range land.

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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.
			4 LN	Loose (1) 1/2" bolt & nut on bottom V brace above B phase
2-8	N/A	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 BCL 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
3-1	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land.
			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
3-2	N/A	N/A	0 RL	Range land.
			5 CR	B pole vertical cracking full length 4-6 ft
			5 COND	A phase Cond ADL 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
3-3	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land.
			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	2024 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 5" 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,	
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,	
	2 new		5 CR Top of B pole split at EHS attachment	
			5 CR Minor cracking entire length - B pole	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
5-3	anchors installed 8/2015	COND AND EHS BOTH - Only BK	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 CR	A pole - vertical crack at crossarm bolt
5-4	N/A	COND AND EHS BOTH - Only BK	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 started on arm above C phase.
			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	2024 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 embankment, 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 embankment, 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)	
6-4	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	0 RL Range land;	
			5 D Daylight between pole and guy attachments	
			5 HVS HVS missing or needs replacing (1)	
			2 CK Cotter key halfway out where turnbuckle mounts 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	2024 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;
			COND	BOL sag off - B & C phase insulators AOL (A phase sag lowest - B phase middle sag - C phase sag highest)
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
			0 RL	Range land;
			COND	B & C phase insulators AOL - 2"
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 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;
			COND	B & C phase insulators AOL - 2"
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	2024 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	
8-1	N/A	OK	0 RL Range land.	
			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	
8-2	7 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	4 LB Loose bolt lower knee braces over A phase	
			0 RL Range land.	
			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	
8-3	10 new anchors installed 8/2015	N/A	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)	
8-4	N/A	COND AND EHS BOTH - AH and BK	5 GG Replace guy guards due to uv damage	
			0 RL Range land.	
			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"	
8-5	N/A	N/A	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.	
			5 HVS HVS missing or needs replacing (2)	
8-6	2 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	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.	
8-7	N/A	N/A	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"	
8-8	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	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	
8-8	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	5 HVS HVS missing or needs replacing (4)	
			5 GG Guy guards need replacing due to uv damage	
			0 RL Range land.	
			0 RL Range land.	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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	
9-3	N/A	N/A	4 LB Loose bolt knee brace on pole A	
			0 RL Range land	
			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	
9-3.5	N/A	COND AND EHS BOTH - AH and BK	1 BN Start of a bird nest over center phase	
			4 LB Loose bolt upper X brace on pole B	
			0 RL Range land	
			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"	
9-4	N/A	N/A	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	
9-5	N/A	COND AND EHS BOTH - AH and BK	0 RL Range land	
			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	
9-6	N/A	N/A	3 EHS Both static shoes kicked BOL 1 1/2"	
			4 BW No bird wire on structure	
			0 RL Range land	
			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	
9-7	N/A	COND AND EHS BOTH - AH and BK	5 CR B pole split 10' x 1/2" x 6" depth	
			1 RA Existing access restricted - above ground piping blocking access (up to 5 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	
9-8	N/A	N/A	4 BW No bird wire on structure	
			0 RL Range land	
			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)	
9-9	N/A	COND AND EHS BOTH - AH and BK	4 BW No bird wire on structure	
			0 RL Range land	
			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	
10-1	9 new anchors installed 8/2015	COND AH - no EHS	5 HVS HVS missing or needs replacing (4)	
			Spiral on static touching shoe	
			4 BW No bird wire on structure	
			0 RL Range land	
			M New C pole installed fall of 2014	
10-2	N/A	N/A	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	
10-3	N/A	COND AND EHS BOTH - AH and BK	0 RL Range land	
			4 LN Loose (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	
10-4	N/A	N/A	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	
			4 LN Loose (1) 1/2" nut on bottom X brace to B pole	
10-5	N/A	COND AND EHS BOTH - AH and BK	4 LN Loose (1) 1/2" nut on bottom center V brace	
			5 HVS HVS missing or needs replacing (3)	
			4 BW No bird wire on structure	
			0 RL Range land	
			4 LN Loose (1) 1/2" nut on bottom center V brace	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
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	2024 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	
11-4	N/A	N/A	0 RL Range land;	
			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 sets of X braces de-laminating	
11-6	N/A	COND AND EHS BOTH - AH ONLY	4 LB Loose bolt V brace over B phase	
			4 LB Loose bolt knee brace over C phase	
			0 RL Range land;	
			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)	
11-7	N/A	N/A	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;	
			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	
12-1	N/A	COND AND EHS BOTH - AH and BK	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	
			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	
12-2	N/A	N/A	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	
			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	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
			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
			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	2024 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	2024 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
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
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		Aqueduct AOL
				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	2024 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
			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	2024 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	
			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)	
17-6	N/A	N/A	C Cotton field	
			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	
17-7	N/A	COND AND EHS BOTH - AH and BK	C Cotton field	
			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	
18-1	N/A	OK	5 HVS HVS missing or needs replacing (4)	
			4 BGW Broken ground wire on A pole	
			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)	
18-3	N/A	N/A	C Cotton field	
			Bird nest	
18-4	N/A	COND AND EHS BOTH - AH and BK	C Cotton field Steel Deadend	
			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	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
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	2024 COMMENTS
19-7	N/A	COND AND ENS 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	Water down bolt
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 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. str
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

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	
					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	
Western Substation	N/A	N/A	4 PI	Porcelain insulators very dusty - recommend cleaning at some point in the future	In Western substation - north side A frame
			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	In Western substation - south side A frame
			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)
					In Western substation - east side H frame str (south str)
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	
					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	2024 COMMENTS
MSCC Pole #0/5	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 #0/5	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.
Victory Substation "H" Str	N/A	N/A	5 GG	Missing guy guards on down guys (2)
				In Victory substation

Midway Sunset CoGeneration
WORK ORDER - Preventive Maintenance - O&M

Work Order: 162112

Description: Quarterly Gen Lead Line Inspection

Asset ID: Y-LINE	Model:	Sch Date: 10/1/2024
Asset: Generator lead Line	Serial No:	Add Date: 9/27/2024 9:08:41 AM
Procedure: Quarterly Generator Lead Line Inspection	Location:	Priority: 4
Master WO ID:	Building:	Shift: swingshift
Requested By:	Floor: Room:	Supervisor: Williams, Mike O.
Telephone: Ext:	Elec Line:	Status: Completed
Request ID:	Asset ShutDn: <input type="checkbox"/> Plant ShutDn: <input type="checkbox"/>	Skill: OP2
Warranty:		Assigned To:

Labor:		Assigned To	Cost ID	Est Hrs	Rem Hrs	Reg	Over	Double	Other	Date
Craft Description	Labor Description									
Shift Supervisor	Corey Lahammer	<input type="checkbox"/>		0.00	0.50					/ /

Task: 2 ID: JSA Description: Job Safety Analysis

Safety: ☒ Text: 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?
- ___ 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.

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- ☐ 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).
- ☐ 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.

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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:

Task: 3 ID: INSP-QTR GEN LEAD LN Description: Quarterly Generator Lead Line Inspection

Safety: ☐ Text: ☐ 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 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 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

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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

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Comments: 11/12/2024 CR, Matt 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, and uneven walking surfaces and environmentally sensitive areas. H2S monitor #5 will be present. Began at Western Sub and ended at structure 7-3.

11/13/2024 CR, Matt 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 7-4 and ended at structure 16-4.

11/14/2024 CL, Matt 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 16-5 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. Updated report and saved in L:\Transmission Line Inspections\2024 GLL Inspections\ 4th Quarter Inspection WO 162112. Returned tools to their proper place and informed control room operator that task was complete.

The 4th Quarter inspection was completed in conjunction with the Annual Third Party GLL inspection WO(157986) labor for this task is accounted for under the 3rd Party Inspection Work Order.

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).

☒ Approval ☐ Clearance ☐ Permission

Date: 11/12/2024

Enter Work Order Number: 162112 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?

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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

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 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).

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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.

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WORK ORDER - Preventive Maintenance - O&M

Work Order: 162112

Description: Quarterly Gen Lead Line Inspection

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 JAM

Standard 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.

Completion Information:

Due Count/Meter

Date: _____ Emp Ini. _____ Hours. _____ 0

Date: _____ Emp Ini. _____ Hours. _____ 0

MIDWAY SUNSET INSPECTION REPORT

Inspection Dates: 11/12/2024 through 11/14/2024 WO#157986

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
			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.
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	2024 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
			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"
2-2	N/A	N/A	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
			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
2-3	N/A	COND AND EHS BOTH - AH and BK	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
			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
2-4	N/A	N/A	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
			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")
2-5	N/A	COND AND EHS BOTH - AH and BK	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
			4 LN	Loose (1) 1/2" bolt backed out 1/8" upper outside knee brace A pole
2-6	2 new anchors installed 8/2015	N/A	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
			4 LN	Loose (1) 1/2" bolt backed out 1/8" upper outside knee brace A pole

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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.
			4 LN	Loose (1) 1/2" bolt & nut on bottom V brace above B phase
2-8	N/A	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
3-1	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land.
			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
3-2	N/A	N/A	0 RL	Range land.
			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
3-3	N/A	COND AND EHS BOTH - AH and BK	4 LN	Loose nut lower X brace on pole A
			0 RL	Range land.
			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	2024 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.	
			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" and 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	
			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 6' 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.	
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.	
	2 new		5 CR Top of B pole split at EHS attachment	
			5 CR Minor cracking entire length - B pole	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
5-3	anchors installed 8/2015	COND AND EHS BOTH - Only BK	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 CR	A pole - vertical crack at crossarm bolt
5-4	N/A	COND AND EHS BOTH - Only BK	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 started on arm above C phase.
			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	2024 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)	
6-4	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	0 RL Range land.	
			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	2024 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 O.II	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;
			COND	BOL sag off - B & C phase insulators AOL (A phase sag lowest - B phase middle sag - C phase sag highest)
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
			0 RL	Range land;
			COND	B & C phase insulators AOL - 2"
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	2024 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
8-1	N/A	OK	0 RL	Range land
			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
8-2	7 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	4 LB	Loose bolt lower knee braces over A phase
			0 RL	Range land
			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
8-3	10 new anchors installed 8/2015	N/A	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)
8-4	N/A	COND AND EHS BOTH - AH and BK	5 GG	Replace guy guards due to uv damage
			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"
			1 OJI	Old style jumper insulator assemblies (3) still in place - recommend change out to new insulators during next scheduled outage
8-5	N/A	N/A	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
8-6	2 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	1 OJI	Replace jumper insulators due to UV damage
			0 RL	Range land
			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"
8-7	N/A	N/A	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
			5 HVS	HVS missing or needs replacing (2)
8-8	4 new anchors installed 8/2015	COND AND EHS BOTH - AH and BK	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
8-9	N/A	N/A	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"
8-10	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
8-11	N/A	N/A	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
8-12	N/A	N/A	5 HVS	HVS missing or needs replacing (4)
			5 GG	Guy guards need replacing due to uv damage
			0 RL	Range land
			0 RL	Range land

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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 off 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
			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
9-4	N/A	N/A	0 RL	Range land
			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
9-5	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land
			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
9-6	N/A	N/A	4 LB	Loose 1/2 bolt in the upper X-brace pole B
			4 BW	No bird wire on structure
			0 RL	Range land
			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
9-7	N/A	COND AND EHS BOTH - AH and BK	0 RL	Range land
			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
10-1	9 new anchors installed 8/2015	COND AH - no EHS	0 RL	Range land
			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
10-2	N/A	N/A	0 RL	Range land
			4 LN	Loose (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)
10-3	N/A	COND AND EHS BOTH - AH and BK	4 BW	No bird wire on structure
			0 RL	Range land
			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

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
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	2024 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	
11-4	N/A	N/A	0 RL Loose bolt upper knee brace A phase	
			0 RL Range land,	
			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	
11-6	N/A	COND AND EHS BOTH - AH ONLY	4 LB Loose bolt V brace over B phase	
			4 LB Loose bolt knee brace over C phase	
			0 RL Range land,	
			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)	
11-7	N/A	N/A	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,	
			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	
12-1	N/A	COND AND EHS BOTH - AH and BK	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	
			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	
12-2	N/A	N/A	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	
			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	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
			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	
			0 RL Range land;	
			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)	
12-4	N/A	N/A	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;	
			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;	
			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	
12-6	N/A	N/A	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;	
			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)	
12-7	N/A	COND AND EHS BOTH - AH and BK	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	2024 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	Collar 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	2024 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
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 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		Aqueduct AOL
				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	2024 COMMENTS
14-7	N/A	COND AND EHS BOTH - AH and BK	5 CR 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	5 CR 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	4 LB Loose bolt upper knee brace pole B	
			0 RL Range land	
			5 CR 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"	
15-3	N/A	N/A	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	
15-4	N/A	COND AND EHS BOTH - AH and BK	0 RL Range land	
			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)	
15-5	SEE NOTE	N/A	4 LB Loose bolt V brace over B phase	
			0 RL Range land	
			5 CR B-pole crack, ground to 20'	
			5 HVS HVS missing or needs replacing (3)	
			4 LB Loose bolt top V pole A	
15-6	N/A	COND AND EHS BOTH - AH and BK	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	
			3 MN Lock nuts missing on guy plates for poles A, B and C	
			4 CK Corro key pole C static yoke plate 1/2 way out	
16-1	N/A	N/A	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)	
			4 LB Loose bolt upper knee brace at pole A	
16-2	N/A	COND AND EHS BOTH - AH and BK	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	
16-3	N/A	N/A	PT Pistachio trees - saplings 10' tall	
			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	
16-3	N/A	N/A	PT Pistachio trees - saplings 10' tall	
			5 HVS HVS missing or needs replacing (4)	
16-3	N/A	N/A	PT Pistachio trees - saplings 5-6.5' tall	
			5 HVS HVS missing or needs replacing (4)	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 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
17-1	N/A	COND AND EHS BOTH - AH and BK	C	Cotton field
			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
17-2	N/A	N/A	C	Cotton field
			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
17-3	N/A	COND AND EHS BOTH - AH and BK	C	Cotton field
			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
17-4	2 new anchors installed 8/2015	N/A	C	Pistachio Trees - saplings 10' tall
			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
			C	Cotton field
18-1	N/A	OK	5 HVS	HVS missing or needs replacing (4)
			4 BGW	Broken ground wire on A pole
18-2	N/A	COND AND EHS BOTH - AH and BK	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
			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)
18-3	N/A	N/A	C	Cotton field
				Bird nest
18-4	N/A	COND AND EHS BOTH - AH and BK	C	Cotton field Steel Deadend
			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
18-4	N/A	COND AND EHS BOTH - AH and BK	C	Cotton field

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
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	
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 16-17 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 AOL 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	
			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	
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.	
			C Watermelon field	
			5 CR A pole splitting starting at 6' approx. 1" wide x 8" deep	
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	2024 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	Wasserman Road
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 facings 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. str
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

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MSCC Switchyard	N/A	N/A			North side of Station - A Frame
			4 CK	Cotter key on southeast dead end halfway out	
MSCC Poles #0/1	N/A	N/A	1 BN	2 Bird nests on A-frame	
					South of switchyard area - next to road
			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.	
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	
Western Substation	N/A	N/A	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
MSCC Pole #0/2	OK	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 #0/3	OK	N/A			In Western substation - east side H frame str (north str)
				Conductor removed between MSCC 0/2 & 0/3	
					In Western substation - east side H frame str (south str)
MSCC Pole #0/4	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	
					East of Western substation (set of 3 poles)
			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.	
MSCC Pole #0/4	OK	N/A	5 HVS	HVS missing or needs replacing (2)	
			5 GG	Replace UV damaged and missing guy guards	

STR NO	ANCHOR	DAMPERS	PRIORITY LIST	2024 COMMENTS
MSCC Pole #0/5	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 #0/6	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.
Victory Substation "H" Str	N/A	N/A	5 GG	Missing guy guards on down guys (2)
				In Victory substation

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 157986

Description: Annual Third Party Line Inspection

Asset ID: Y-LINE Model: Sch Date: 2/1/2024
Asset: Generator lead Line Serial No: Add Date: 1/30/2024 3:10:07 PM
Procedure: Annual Third Party Line Inspection Location: Priority: 3
Master WO ID: Building: Shift: DAYSHIFT
Requested By: Floor: Room: Supervisor: Williams, Mike O.
Telephone: Ext: Elec Line: Status: Completed
Request ID: Asset ShutDn: ☐ Plant ShutDn: ☐ Skill: OP2
Warranty: Assigned To: DAYSHIFT

Labor:		Assigned To	Cost ID	Est Hrs	Rem Hrs	Reg	Over	Double	Other	Date
Craft Description	Labor Description									
Facility Operator Mech	Corey Rutkes	<input type="checkbox"/>		0.00	0.00					/ /
Facility Operator Mech	Corey Rutkes	<input type="checkbox"/>		0.00	0.00					/ /
Shift Supervisor	Corey Lahammer	<input type="checkbox"/>		0.00	0.00					/ /
Shift Supervisor	Corey Lahammer	<input type="checkbox"/>		0.00	0.00					/ /

Task: 1 ID: INSP-ANNUAL TRANS Description: Annual Third Party Transmission Inspec.

Safety: ☐ Text: 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.

Task: 2 ID: JSA Description: Job Safety Analysis

Safety: ☒ Text: 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?
___ Is the equipment depressurized?
___ Is the equipment drained?
___ Have all valves been properly closed, blinded, tagged, (and locked)?

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 157986

Description: Annual Third Party Line Inspection

- ☐ 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 **bitting, 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).
- ☐ 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

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 157986

Description: Annual Third Party Line Inspection

_____ Cromium. Hepa Filter Vacuum.

_____ Fall protection.

_____ Leather gloves.

_____ High-temp gloves.

_____ Rubber chemical gloves.

_____ Chemical rain suit.

_____ Tyvek suit.

WORK ORDER - Preventive Maintenance - Regulatory

Description: Annual Third Party Line Inspection

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

- List the personnel involved in this JSA:

Description: Write Work Order

Text: _____ Write work order for any problems found and list work order number on PM form.

Description: Control Operator Review

Text: _____ Control Operator review PM form. Ensure all lines checked or initialed.
 _____ Verify the PM number is written on page 1 of the attachment.

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 157986

Description: Annual Third Party Line Inspection

Comments: 12/4/2024 CL
The 3rd Party Generator Lead Line Inspection was done in conjunction with the Generator Lead Line 4th Quarter Inspection (WO162112). Notes are below.

11/12/2024 CR, Matt 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, and uneven walking surfaces and environmentally sensitive areas. H2S monitor #5 will be present. Began at Western Sub and ended at structure 7-3.

11/13/2024 CR, Matt 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 7-4 and ended at structure 16-4.

11/14/2024 CL, Matt 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 16-5 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: 11/12/2024 through 11/14/2024

- 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.
- 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 alot 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

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 157986

Description: Annual Third Party Line Inspection

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 within the next 5 years.

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.

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 crossing over the above ground pipe lines.

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

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 157986

Description: Annual Third Party Line Inspection

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.

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).

☒ Approval ☐ Clearance ☐ Permission

Date: 11/12/2024

Enter Work Order Number: 162112/157986 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?

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.

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 157986

Description: Annual Third Party Line Inspection

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 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.

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 157986

Description: Annual Third Party Line Inspection

☐ Y ☐ Snake Chaps for Offsite Hiking\Walking.

Midway Sunset CoGeneration

WORK ORDER - Preventive Maintenance - Regulatory

Work Order: 157986

Description: Annual Third Party Line Inspection

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: Marshall, Rutkes, Power Engineers Personnel (2)

Standard 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.

Completion Information:

Due Count/Meter

Date: _____ Emp Ini. _____ Hours. _____ 0

Date: _____ Emp Ini. _____ Hours. _____ 0

Appendix E

Spill Report

No Spill Reports were reported during the year 2024

Appendix F

Transportation Permits

No transportation permits were requested during the
year 2024

Appendix F

Transportation Permits

No transportation permits were requested during the
year 2024

Appendix G

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

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: 2024

MONTH	CAISO GNP 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 bbls	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 MMBTUS			
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!	#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	0.0	#DIV/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	0.0	#DIV/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	0.0	#DIV/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	0.0	#DIV/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	0.0	#DIV/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	0.0	#DIV/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	0.0	#DIV/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	0.0	#DIV/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	0.0	#DIV/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	0.0	#DIV/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	0.0	#DIV/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	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	0	#DIV/0!		

HHV

Heat rate

LHV

#DIV/0!

#DIV/0!

REPORT: PEAKER OPERATIONS
YEAR: 2024

MONTH	PEAKER GROSS PEAKER CONTRACT MWH	PEAKER GROSS GROSS MW	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
JAN	3,055	3,102	10,426.72	35,582	32,055.86	0.00	0.00	35,582.00	32,055.86	11,861	11,470.66
FEB	4,780	4,871	16,314.14	57,800	52,072.07	0.00	0.00	57,800.00	52,072.07	8,257	11,866.15
MAR	43,529	44,236	148,564.48	522,220	470,468.47	0.00	0.00	522,220.00	470,468.47	19,341	11,805.32
APR	35,009	35,568	119,485.72	418,355	376,896.40	0.00	0.00	418,355.00	376,896.40	14,941	11,762.12
MAY	28,559	28,947	97,471.87	334,646	301,482.88	0.00	0.00	334,646.00	301,482.88	12,871	11,560.65
JUNE	18,172	18,390	62,021.04	215,990	194,585.59	0.00	0.00	215,990.00	194,585.59	19,635	11,744.97
JULY	27,867	28,005	95,110.07	329,452	296,803.60	0.00	0.00	329,452.00	296,803.60	17,340	11,764.04
AUG	37,839	38,238	129,144.51	443,292	399,362.16	0.00	0.00	443,292.00	399,362.16	17,732	11,592.97
SEPT	25,490	25,797	86,997.37	298,015	268,481.98	0.00	0.00	298,015.00	268,481.98	17,530	11,552.31
OCT	30,674	31,037	104,690.36	358,017	322,537.84	0.00	0.00	358,017.00	322,537.84	18,843	11,535.17
NOV	6,345	6,426	21,655.49	73,312	66,046.85	0.00	0.00	73,312.00	66,046.85	8,146	11,408.65
DEC	2,719	2,756	9,279.95	31,571	28,442.34	0.00	0.00	31,571.00	28,442.34	2,631	11,455.37
ANNUAL	264,038.00	267,373.00	901,161.69	3,118,252	2,809,236	0	0	3,118,252	2,809,236	14,094	11,627
AVERAGE	22,003		75,096.81	259,854	234,103	0	0	259,854	234,103		

Heat rate 11,627

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
3,102	3,102	35,582	32,056	0	10,587	33.03%	0.00%	456.6
4,871	4,871	57,800	52,072	0	16,625	31.93%	0.00%	398.4
44,236	44,236	522,220	470,468	0	150,977	32.09%	0.00%	83.4
35,568	35,568	418,355	376,896	0	121,394	32.21%	0.00%	141.12
28,947	28,947	334,646	301,483	0	98,796	32.77%	0.00%	227.76
18,390	18,390	215,990	194,586	0	62,765	0.00%	0.00%	378.36
28,005	28,005	329,452	296,804	0	95,581	32.20%	0.00%	419.04
38,238	38,238	443,292	399,362	0	130,506	32.68%	0.00%	335.76
25,797	25,797	298,015	268,482	0	88,045	32.79%	0.00%	361.2
31,037	31,037	358,017	322,538	0	105,929	32.84%	0.00%	340.08
6,426	6,426	73,312	66,047	0	21,932	33.21%	0.00%	400.32
2,756	2,756	31,571	28,442	0	9,406	0.00%	0.00%	422.88
267,373	267,373	3,118,252	2,809,236	0	912,544	32.48%	0.00%	3964.92

Electrical Production

Electrical Purchased
Steam Production

Fuel Gas Usage

PURPA Operating Standard, > or =
PURPA Efficiency Standard, > or =

MWh
mmBtu
MWh
mmBtu
mmBtu (HHV)
mmBtu (LHV)
%
LHV
HHV

PURPA Standard	Total
	267,373
	912,544
	3,965
	0
	3,118,252
	2,809,236
5%	0.0%
42.50%	32.48%
	29.3%

Heat Rate HHV

11.66255381

Table 2

Outages

2024

DATE	UNIT INVOLVED	SCHEDULED / FORCED	REASON	DOWN TIME HOURS
1/1/2024 - 1/31/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	731.23
1/1/2024 - 1/31/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	731.25
1/1/2024 - 1/31/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	731.10
2/1/2024 - 2/29/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	647.47
2/1/2024 - 2/29/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	676.92
2/1/2024 - 2/29/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	690.72
3/1/2024 - 3/31/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	708.87
3/1/2024 - 3/31/2024	UNIT A	FORCED	FORCED OUTAGE	0.93
3/1/2024 - 3/31/2024	UNIT B	SCHEDULED	RESERVE SHUTDOWN	134.08
3/1/2024 - 3/31/2024	UNIT B	FORCED	FORCED OUTAGE	0.48
3/1/2024 - 3/31/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	743.00
4/1/2024 - 4/30/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	681.65
4/1/2024 - 4/30/2024	UNIT A	FORCED	FORCED OUTAGE	0.93
4/1/2024 - 4/30/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	249.73
4/1/2024 - 4/30/2024	UNIT B	SCHEDULED	MAINTENANCE OUTAGE	12.63
4/1/2024 - 4/30/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	678.13
4/1/2024 - 4/30/2024	UNIT C	SCHEDULED	MAINTENANCE OUTAGE	23.00
4/1/2024 - 4/30/2024	UNIT C	FORCED	FORCED OUTAGE	0.50
5/1/2024 - 5/31/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	476.65
5/1/2024 - 5/31/2024	UNIT A	SCHEDULED	MAINTENANCE OUTAGE	4.00
5/1/2024 - 5/31/2024	UNIT A	FORCED	FORCED OUTAGE	133.73
5/1/2024 - 5/31/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	508.85
5/1/2024 - 5/31/2024	UNIT B	SCHEDULED	MAINTENANCE OUTAGE	5.75
5/1/2024 - 5/31/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	677.48
5/1/2024 - 5/31/2024	UNIT C	FORCED	FORCED OUTAGE	2.00
6/1/2024 - 6/30/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	621.50
6/1/2024 - 6/30/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	629.75
6/1/2024 - 6/30/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	639.58
6/1/2024 - 6/30/2024	UNIT C	FORCED	FORCED OUTAGE	0.50
7/1/2024 - 7/31/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	612.80
7/1/2024 - 7/31/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	612.30
7/1/2024 - 7/31/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	612.17
8/1/2024 - 8/31/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	533.17
8/1/2024 - 8/31/2024	UNIT A	FORCED	FORCED OUTAGE	0.45
8/1/2024 - 8/31/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	530.73
8/1/2024 - 8/31/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	625.95
9/1/2024 - 9/30/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	604.92
9/1/2024 - 9/30/2024	UNIT A	FORCED	FORCED OUTAGE	0.47
9/1/2024 - 9/30/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	579.00
9/1/2024 - 9/30/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	617.70
10/1/2024 - 10/31/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	589.93
10/1/2024 - 10/31/2024	UNIT A	FORCED	FORCED OUTAGE	0.45
10/1/2024 - 10/31/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	560.17
10/1/2024 - 10/31/2024	UNIT B	FORCED	FORCED OUTAGE	0.47
10/1/2024 - 10/31/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	617.67
10/1/2024 - 10/31/2024	UNIT C	SCHEDULED	MAINTENANCE OUTAGE	23.00
10/1/2024 - 10/31/2024	UNIT C	FORCED	FORCED OUTAGE	0.48
11/1/2024 - 11/30/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	668.35
11/1/2024 - 11/30/2024	UNIT A	SCHEDULED	MAINTENANCE OUTAGE	12.25
11/1/2024 - 11/30/2024	UNIT A	FORCED	FORCED OUTAGE	2.80
11/1/2024 - 11/30/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	657.50
11/1/2024 - 11/30/2024	UNIT B	SCHEDULED	MAINTENANCE OUTAGE	16.58
11/1/2024 - 11/30/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	703.17
11/1/2024 - 11/30/2024	UNIT C	FORCED	FORCED OUTAGE	0.50
12/1/2024 - 12/31/2024	UNIT A	UNSCHEDULED	RESERVE SHUTDOWN	731.95
12/1/2024 - 12/31/2024	UNIT A	FORCED	FORCED OUTAGE	0.47
12/1/2024 - 12/31/2024	UNIT B	UNSCHEDULED	RESERVE SHUTDOWN	718.20
12/1/2024 - 12/31/2024	UNIT C	UNSCHEDULED	RESERVE SHUTDOWN	740.40

Table 3

Recycled Waste

Recycled Waste - 2024

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)***	50 gallons 365 lbs.	***	50 gallons 365 lbs.	Safety-Kleen Systems Inc. Fresno, CA*	Safety-Kleen Systems Inc. Fresno, CA*
Drained, Lube Oil Filters, Non-RCRA (metal)	10 lbs.	***	10 lbs.	Thermo Fluids Inc. *****	Safety-Kleen Systems Inc. Fresno, CA*
Drained, Lube Oil Filters, Non-RCRA (cartridge)	20 lbs.	***	20 lbs.	Clean Harbors Grassy Mountain****	Safety-Kleen Systems Inc. Fresno, CA*
Waste Aerosol Cans, partly full (RCRA Hazardous)	24 lbs.	***	24 lbs.	Clean Harbors Wilmington**	Safety-Kleen Systems Inc. Fresno, CA*
Oily Absorbent (Non-RCRA Hazardous)	285 lbs.	***	285 lbs.	Clean Harbors Grassy Mountain****	Safety-Kleen Systems Inc. Fresno, CA*
Oily Debris (Non-RCRA Hazardous)	426 lbs	***	426 lbs.	Clean Harbors Grassy Mountain****	Safety-Kleen Systems Inc. Fresno, CA*
Universal Waste, Fluorescent Lamps (4' & 8')	11 lbs.	***	11 lbs.	Clean Harbors Wilmington**	Safety-Kleen Systems Inc. Fresno, CA*
Universal Waste, Compact Fluorescent Lamps	6 lbs.	***	6 lbs.	Clean Harbors Wilmington**	Safety-Kleen Systems Inc. Fresno, CA*
Universal Waste, Metal Halide Lamps	20 lbs.	***	20 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 – 2024

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: 2023

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%	3,417	0	3,417
FEB	0	0	0.00%	0.00%	4,569	0	4,569
MAR	0	0	0.00%	0.00%	45,595	0	45,595
APR	0	0	0.00%	0.00%	26,627	0	26,627
MAY	0	0	0.00%	0.00%	17,061	0	17,061
JUNE	0	0	0.00%	0.00%	19,055	0	19,055
JULY	0	0	0.00%	0.00%	34,111	0	34,111
AUG	0	0	0.00%	0.00%	37,363	0	37,363
SEPT	0	0	0.00%	0.00%	20,486	0	20,486
OCT	0	0	0.00%	0.00%	28,119	0	28,119
NOV	0	0	0.00%	0.00%	3,145	0	3,145
DEC	0	0	0.00%	0.00%	1,990	0	1,990
ANNUAL	<u>0</u>	<u>0</u>	<u>0.00%</u>	<u>0.00%</u>	<u>241,539</u>	<u>0</u>	<u>241,539</u>
AVG PER DAY	0	0.00	0.00%	0.00%	662	0.00	662