

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of Evergy Metro West, Inc. d/b/a Evergy)
Missouri West's Infrastructure Standards) Case No. EO-2025-_____
Compliance Plan Pursuant to 20 CSR 4240-23.020)

NOTICE OF COMPLIANCE FILING

Pursuant to 20 CSR 4240-23.020(3)(C) Evergy Metro West, Inc. d/b/a Evergy Missouri West ("Evergy Missouri West") hereby submits to the Missouri Public Service Commission Evergy Missouri West's annual infrastructure compliance report.

Respectfully submitted,

/s/ Roger W. Steiner

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CERTIFICATE OF SERVICE

I do hereby certify that a true and correct copy of the foregoing *Notice of Compliance Filing* was served via e-mail on this 1st day of July 2024 upon:

Missouri Public Service Commission
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/s/ Roger W. Steiner

Roger W. Steiner

**Evergy Missouri Metro
2023 Annual Infrastructure Compliance Report
Pursuant to 20 CSR 4240-23.020**

**Evergy Missouri West
2023 Annual Infrastructure Compliance Report
Pursuant to 20 CSR 4240-23.020**

Infrastructure Inspection and Maintenance Program

July 1, 2024

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Introduction

Evergy Missouri Metro and Evergy Missouri West (collectively, “Companies”), submit their 2023 Annual Infrastructure Compliance Reports as required under the State of Missouri’s *Electrical Corporation Infrastructure Standards*, 20 CSR 4240-23.020 (“MoIR”). This report covers the period January 1, 2023, through December 31, 2023, incorporating by reference Evergy’s infrastructure compliance plans filed July 1, 2008.

Distribution System Summary

Evergy is aligned with the Overhead and Underground Infrastructure Inspection schedule set forth in the MoIR. Immediate corrective action is taken when conditions are identified as critical to safety and/or service reliability. Whenever possible, corrective work on non-critical conditions is bundled with future reliability work targeting underperforming feeders and laterals.

In 2023, Intrusive Wood Pole, Overhead Circuit Structure Patrol, Detail & Patrol of Underground Structure and Equipment, and Detail & Patrol of Pad-mounted Equipment were scheduled in Evergy Missouri territories. Inspections are on schedule to be completed by the end of the cycle.

Evergy MO Metro Area Inspections

Intrusive Wood Pole, Overhead Circuit Structure Patrol, Detail & Patrol of Underground Structure and Equipment, and Detail & Patrol of Pad-mounted Equipment were scheduled for Evergy MO Metro's service area in 2023.

Evergy MO Metro is currently on schedule for all inspection types with the second 12-year cycle spanning from 2021-2032. The current schedule for inspections is as follows:

- 1) Overhead Patrols (Cycle 4 Rural 2021-2026) (Cycle 4 Urban 2021-2024)
- 2) Pad-mount Patrols (Cycle 5, 2023-2026)
- 3) Manhole Patrols (Cycle 5, 2023-2026)
- 4) Pad-mount Detailed (Cycle 3, 2023-2030)
- 5) Manhole Detailed (Cycle 3, 2023-2030)
- 6) Overhead Detailed and Wood Pole Intrusive (Cycle 2, 2021-2032)

Table 1: Evergy MO Metro Inspection Corrective Action Inspections							
Distribution				Completed Through December 2023			
System Class	Inspection Type	Facility Type	Units	Inspections Scheduled (Annual Plan)	Inspections Completed	Inspections Completed Prior to 2023 (Ahead of Cycle Plan)	Inspections Pending Outside of Plan
Distribution	Patrol	Overhead Circuits Structures & Equipment ¹	Structures	16,104	16,104	0	0
		Pad-mounted Equipment	Equipment Locations	20,247	20,247	0	0
		Underground Structures and Equipment	Structure Locations	505	505	0	0
	Detail	Overhead Circuits Structures & Equipment	Structures	15,714	15,714	0	0
		Pad-mounted Equipment	Equipment Locations	0	0	0	0
		Underground Structures and Equipment	Structure Locations	505	505	0	0
	Intrusive	Wood Poles	Poles	13,086	13,086	0	0

¹ Inclusive of conductors, transformers, reclosers, regulators, capacitors, switching/protective devices as required under the MoIR.

Evergy MO West Area Inspections

Intrusive Wood Pole, Overhead Circuit Structure Patrol, and Detail & Patrol of Pad-mounted Equipment were scheduled for Evergy MO West service area in 2023. Evergy MO West is currently on schedule for all inspection types with the first 12-year cycle spanning from 2021-2032. The current schedule for inspections is as follows:

- 1) Overhead Patrols (Cycle 3 Rural 2021-2026) (Cycle 4 Urban 2021-2024)
- 2) Pad-mount Patrols (Cycle 5, 2023-2026)
- 3) Manhole Patrols (Cycle 5, 2023-2026)
- 4) Pad-mount Detailed (Cycle 3, 2023-2030)
- 5) Manhole Detailed (Cycle 3, 2023-2030)
- 6) Overhead Detailed and Wood Pole Intrusive (Cycle 2, 2021-2032)

Table 2: Evergy MO West Inspection Corrective Action Inspections							
Distribution				Completed Through December 2023			
System Class	Inspection Type	Facility Type	Units	Inspections Scheduled (Annual Plan)	Inspections Completed	Inspections Completed Prior to 2023 (Ahead of Cycle Plan)	Inspections Pending Outside of Plan
Distribution	Patrol	Overhead Circuits, Structures, Equipment and Street Lights ²	Structures	33,661	33,661	0	0
		Pad-Mounted Equipment	Pads	12,933	12,933	0	0
		Underground Structures and Equipment	Structures	0	0	0	0
	Detailed	Overhead Structures, Circuits, Equipment and Street Lights	Structures	34,584	34,584	0	0
		Pad-mount Equipment	Pads	0	0	0	0
		Underground Structures and Equipment	Structures	0	0	0	0
	Intrusive	Wood Poles	Poles	31,320	31,320	0	0

² Inclusive of conductors, transformers, reclosers, regulators, capacitors, switching/protective devices as required under the MoIR.

Distribution Equipment Rating Summary

Table 3: Combined Distribution Equipment Rating Summary						
System Class	Inspection Type	Facility Type	Units	Immediate Repair or Next Day	Bundled for Future Work	Corrective Action Not Required
Distribution	Detail	Overhead Circuits Structures & Equipment	Structures	109 (1.85%)	118 (2.00%)	5665 (96.15%)
		Pad-mounted Equipment	Equipment Locations	0	0	0
		Underground Structures and Equipment	Structure Locations	88 (17.43%)	30 (5.94%)	387 (76.63%)
	Intrusive	Wood Poles	Poles	122 (0.27%)	3,705 (8.34%)	40,579 (91.38%)

Distribution Corrective Action Summary

The number of corrective actions completed as the result of facility inspection concerns or in conjunction with Worst Performing Circuit and Lateral Improvement jobs are included in Table 4. Corrective efforts include infrared inspections of splices, ultrasound detection of insulators, ground wire repairs, varmint guards, riser conduit repairs, arrester replacements, critical pole and cross arm replacements, repair/replace transformers, and reinforce or replace wood poles, etc.

Table 4: Combined Distribution Corrective Action Summary							
System Class	Inspection Type	Facility Type	Component	CA Scheduled in 2023	CA Completed in 2023	CA Planned in 2024	CA Planned after 2024
Distribution	Patrol and Detailed Patrol	Overhead Circuits Structures & Equipment, Street Lights	Structures	4,500	2,182	4,500	4,500
		Pad-mounted Equipment	Pads	1,000	8,016	1,000	500
		Underground Structures and Equipment	Structures	20	20 ³	30	30

³ Structural Integrity work takes up to 2-years to schedule and complete due to the complexity of the remediation necessary. Includes splice fixes, structural replacements, and secondary network manhole remediations jobs.

Table 4: Combined Distribution Corrective Action Summary							
System Class	Inspection Type	Facility Type	Component	CA Scheduled in 2023	CA Completed in 2023	CA Planned in 2024	CA Planned after 2024
	Intrusive	Wood Poles	Poles	900	2,319	600	600

Transmission System Summary

All Evergy Missouri transmission lines are inspected annually by aerial and/or ground patrol, as was the case in the spring of 2023. This schedule is more rigorous than that required under the MoIR. There were 35 combined corrective actions, based on aerial and ground patrols, completed in 2023. There are 20 combined corrective actions scheduled for 2024 completion.

Detailed and intrusive inspections were completed on transmission lines in both Evergy Missouri service areas in 2023. A total of 1,521 poles were inspected in the combined service areas, of which, 51 were found in need of corrective action. There were 26 combined corrective actions, based on detailed and intrusive inspections, completed in 2023. There are 34 poles scheduled for completion in 2024.

Table 5: Evergy MO Metro Transmission Facility Inspection Summary							
Evergy MO Metro Transmission				Completed Through December 2023			
System Class	Inspection Type	Facility Type	Units	Inspections Planned for 2023	Inspections Completed During 2023	Inspections Completed Prior to 2023 (Ahead of Plan)	Inspections Pending in 2023 Outside of Plan
Transmission	Aerial and Ground Patrol	Overhead Circuits Poles & Equipment	Structures	12,672	12,672	0	0
		Underground Structures and Equipment	Structures	22	22	0	0
	Detail and Intrusive	Wood/Steel Poles	Poles	940	888	0	0

Table 6: Evergy MO West Transmission Facility Inspection Summary							
Evergy MO West Transmission				Completed Through December 2023			
System Class	Inspection Type	Facility Type	Units	Inspections Planned for 2023	Inspections Completed During 2023	Inspections Completed Prior to 2023 (Ahead of Plan)	Inspections Pending in 2023 Outside of Plan
Transmission	Aerial and Ground Patrol	Overhead Circuits Poles & Equipment	Structures	19,300	19,300	0	0
		Underground Structures and Equipment	Structures	1	1	0	0
	Detail and Intrusive	Wood/Steel Poles	Poles	703	633	0	0

Table 7: Evergy MO Metro Transmission Equipment Condition Rating Summary						
System Class	Inspection Type	Facility Type	Component	Repairs Completed Within 12-Months	Schedule for Repair Within 12 to 36 Months	Corrective Action Not Required
Transmission	Aerial and Ground Patrol	Overhead	Poles, Switches	4 (0.03%)	20 (0.16%)	12,648 (99.81%)
		Underground Structures	Manholes	0 (0.00%)	0 (0.00%)	22 (100.00%)
	Detail and Intrusive	Poles and Structures - Wood/Steel	Poles	15 (1.58%)	16 (2.25%)	837 (94.26%)

Table 8: Evergy MO West Transmission Equipment Condition Rating Summary						
System Class	Inspection Type	Facility Type	Component	Repairs Completed Within 12-Months	Schedule for Repair Within 12 to 36 Months	Corrective Action Not Required
Transmission	Aerial and Ground Patrol	Overhead	Poles, Switches.	31 (0.01%)	9 (0.05%)	19,260 (99.79%)
		Underground Structures	Manholes.	0 (0.00%)	0 (0.00%)	1 (100%)
	Detail and Intrusive	Poles and Structures - Wood/Steel	Poles	11 (1.11%)	14 (2.21%)	608 (96.05%)


Table 9: Evergy MO Metro Transmission Corrective Action (CA) Summary							
System Class	Inspection Type	Facility Type	Component	CA Planned in 2023	CA Completed in 2023	CA Planned in 2024	CA Planned after 2024
Transmission	Aerial and Ground Patrol	Overhead Structures & Equipment	Poles, Switches	4	4	11	9
	Aerial and Ground Patrol	Underground Structures and Equipment	Manhole	0	0	0	0
	Detail and Intrusive	Poles and Structures - Wood/Steel	Poles	14	15	20	16

Table 10: Evergy MO West Transmission Corrective Action (CA) Summary							
System Class	Inspection Type	Facility Type	Component	CA Planned in 2023	CA Completed in 2023	CA Planned in 2024	CA Planned after 2024
Transmission	Aerial and Ground Patrol	Overhead Structures & Equipment	Poles, Switches	2	31	9	0
	Aerial and Ground Patrol	Underground Structures and Equipment	Manhole	0	0	0	0
	Detail and Intrusive	Poles and Structures - Wood/Steel	Poles	7	11	14	0

VERIFICATION

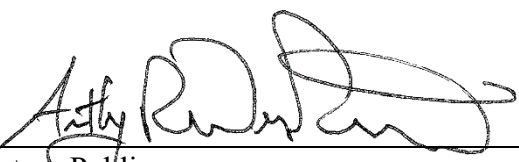
STATE OF MISSOURI)
) ss.
COUNTY OF JACKSON)

I, Ryan Mulvany, being duly affirmed according to law, depose and hereby state that I am authorized to make this affidavit on behalf of Evergy Missouri Metro and Evergy Missouri West, as Vice President Distribution, and that the facts above set forth are true and correct to the best of my knowledge, information and belief.



Evergy Missouri Metro and Evergy Missouri West

Subscribed and affirmed before me this 1st day of July 2024.



Notary Public

My Commission Expires:

4/26/2025

