

THE EMPIRE DISTRICT ELECTRIC COMPANY

2025 ANNUAL RENEWABLE ENERGY STANDARD COMPLIANCE REPORT

Prepared in Compliance with 20 CSR 4240-20.100

****Indicates Highly Confidential****

Indicates Confidential



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(March 19, 2026)

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2025 ANNUAL RENEWABLE ENERGY STANDARD

COMPLIANCE REPORT

INTRODUCTION

Pursuant to the Missouri Public Service Commission’s (“Commission”) renewable energy standards (“RES”) rule, 20 CSR 4240-20.100(8), The Empire District Electric Company d/b/a Liberty (“Liberty-Empire” or “Company”) is filing its Annual Renewable Energy Standard Compliance Report (the “RES Report”). Pursuant to the rule, Liberty-Empire is directed to file the RES Compliance Report on or before April 15 each year.

Liberty-Empire began to develop its wind renewable energy portfolio on December 10, 2004, when it entered into a 20-year contract with Elk River Windfarm, LLC (owned by Avangrid Renewables, LLC) to purchase all of the energy generated at the 150-megawatt Elk River Windfarm located in Butler County, Kansas. On June 19, 2007, Liberty-Empire enhanced its renewable energy portfolio when it entered into a 20-year purchased power agreement with Cloud County Wind Farm, LLC. EDP Renewables North America, LLC is an indirect parent company of Cloud County Wind Farm, LLC. Pursuant to the terms of the agreement, Liberty-Empire purchases all of the output from the 105-megawatt Phase 1 Meridian Way Wind Farm located in Cloud County, Kansas. In addition, the Ozark Beach Hydroelectric plant, fully owned by Liberty-Empire, has produced renewable hydropower for many years.

Effective May 16, 2015, through December 31, 2023, Liberty-Empire offered rebates for Missouri customers for qualifying solar installations in accordance with the Missouri RES and Liberty’s Solar Rebate Rider approved by the Commission.

At the end of 2020, construction of the North Fork Ridge Wind project was completed. This 149-MW facility (located in Missouri) started operation in December of 2020. In addition, the 300-MW Neosho Ridge Wind project (located in Kansas), and the 149-MW Kings Point Wind project (located in Missouri) reached commercial operation in 2021. These Commission approved resources were added to fulfill the Customer Savings Plan. Liberty-Empire also completed the addition of the 2.2-MW Prosperity Solar Farm in 2021, however this facility is not utilized for RES compliance.

The following sections provide information required to indicate compliance with the rule.

SECTION (8)(A)1 A, B: TOTAL MISSOURI RETAIL ELECTRIC SALES AND REVENUE

The following table represents the number of megawatt-hours (“MWh”) of electricity delivered in 2025 by Liberty-Empire to its Missouri retail customers, as reflected in the monthly billing statements. In addition, a column is provided capturing the revenue from total retail electric sales to Missouri customers:

Table 1: Missouri 2025 Total Retail Sales

Year	MWh	Revenue
2025	4,372,359	\$546,710,899.18

Data Source: Customers Kilowatt Hours Revenue Report

SECTION (8)(A)1C: TOTAL RETAIL ELECTRIC SALES SUPPLIED BY RENEWABLE ENERGY RESOURCES

The table (see ATTACHMENT 1) indicates the renewable generation sources used during 2025 and the MWhs that were supplied.

SECTION (8)(A)1D: CURRENT NUMBER AND VALUE OF RECS CREATED BY LIBERTY-EMPIRE OWNED FACILITIES

Table 2: 2025 REC/SREC Produced and Locational Marginal Pricing (LMP)
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Facility	REC/SREC Produced	*2025 Average LMP (\$/MWh)*	*REC / SREC Value (\$/Credit)*
Ozark Beach	40,359	██████	██████
North Fork Ridge Wind	490,719	██████	██████
Kings Point Wind	503,280	██████	██████
Neosho Ridge Wind	1,109,764	██████	██████
Customer Generated Solar	54,332	██	██████
Prosperity Solar (Community Solar)	3,803.61	██	██████

*Market average for 2025 voluntary, non-Green-e SRECs

**Values calculated by taking dollar amount sold divided by number of RECs sold in ATTACHMENT 3

SECTION (8) (A) 1 E, F: SOURCE AND NUMBER OF RECS ACQUIRED, SOLD, TRANSFERRED, RETIRED

RECS ACQUIRED: For RECs acquired, see ATTACHMENT 2.

RECS SOLD/TRANSFERRED: For RECs sold/transferred, see ATTACHMENT 3. RECs were sold and transferred in the North American Renewables Registry (NARR).

RECS RETIRED: For RECs retired, see ATTACHMENT 4. Prosperity Community Solar Projected retired 3,804 SRECs generated in 2025 on behalf of the subscribing customers.

SECTION (8)(A)1G: IDENTIFICATION OF RECS CARRIED FORWARD

RECS CARRIED FORWARD: For RECs carried forward, see ATTACHMENT 5. The information is accurate as of March 19, 2026.

SECTION (8)(A)1H: GAINS AND LOSSES FROM SALE OR PURCHASE

The revenue from sale of excess RECs which were not needed for compliance with renewable energy standards, will be distributed back to retail customers through the appropriate tracker mechanisms for each jurisdiction. The revenue generated from RECs will be distributed back to customers for generation and REC creation after the associated investments are reflected in actual rates.

ATTACHMENTS 1 and 3 include the amount of wind generation allocated for Missouri retail customers by each wind farm and the REC report indicating sales of 2025 Kings Point Wind, Meridian Way, Neosho Ridge Wind, and North Fork Ridge Wind RECs. Any gains from sale or purchase are included within the calculation of the fuel adjustment mechanism.

SECTION (8)(A)1I: ACQUISITION OF RENEWABLE ENERGY

Non-Solar renewable energy is purchased by Liberty-Empire from the following non-utility owned facilities:

Elk River Wind (Resource)
Avangrid Renewables (Owner) 14980 SE 190th Rd.
Latham, KS 67072

Meridian Way I (Cloud County) Wind (Resource)
EDP Renewables North America LLC (Owner) 1409 Iron Road
Concordia, KS 66901

All energy was derived from eligible renewable energy technology (wind, hydro and solar).

SECTION (8)(A)1J: ACQUISITION OF ELECTRICAL ENERGY AND/OR RECS FROM CUSTOMER GENERATORS

See ATTACHMENT 7.

SECTION (8)(A)1K: CUSTOMERS RECEIVING SOLAR REBATE

For the calendar year 2025, a total of 0 Missouri solar net metering customers applied and received a solar rebate in accordance with section (4) of the Rule.

SECTION (8)(A)1L: CUSTOMERS DENIED SOLAR REBATE

Liberty-Empire made every effort to award solar rebates to every applicant that completed their application and satisfied the requirements prior to December 31, 2023.

SECTION (8)(A)1M: FUNDS EXPENDED BY LIBERTY FOR SOLAR REBATES

Annual funds expended by Liberty-Empire for 2025 solar rebates totaled \$0.00. Since the beginning of the rebate program, over \$26 million was expended for solar rebates.

SECTION (8)(A)1N: ANNUAL COMPLIANCE WITH RES COMPLIANCE PLAN

See Affidavit of Compliance with 2025 Compliance Plan, ATTACHMENT 8.

SECTION (8)(A)1O: NON-COMPLIANCE WITH RES COMPLIANCE PLAN

Liberty-Empire has made every effort to comply and believes it has achieved compliance with the Missouri RES Compliance Plan for the 2025 compliance period. There are no known non-compliance items.

SECTION (8)(A)1P: CALCULATION OF ACTUAL CALENDAR YEAR RETAIL RATE IMPACT

Utilizing the financial information reported in the Company's 2025 annual report, the actual Retail Rate Impact ("RRI") for 2025 is 0.017%. This amount is calculated by using the total 2025

cost of compliance in the amount of ** [REDACTED] ** divided by the total Missouri revenue of \$546,710,899.18. Liberty-Empire included the line with owned renewable resources. At this point, the Company does not believe it has any compliance cost directly associated with its owned renewable resources. For a breakdown of compliance cost, please refer to ATTACHMENT 8.

Pursuant to Missouri statute and regulation, the Planning RRI (ATTACHMENT 9) shall be calculated annually on an incremental basis for each planning year based on procurement or development of renewable energy resources averaged over the succeeding ten-year period.