

Denny Hoskins

Secretary of State / Administrative Rules
RULE TRANSMITTAL

896

Administrative Rules Stamp

Received

AUG 28 2026

JCAR Stamp SECRETARY OF STATE
ADMINISTRATIVE RULES

RECEIVED

By JCAR at 5:01 pm, Aug 28, 2026

Rule number 20 CSR 4240-22.030

Use a SEPARATE rule transmittal sheet for EACH individual rulemaking.

Name of person(s) Administrative Rules can contact with questions about this rule:

Content Nancy Dippell Phone 573-751-8518 Fax 573-526-6010

Email address Nancy.Dippell@psc.mo.gov

Data Entry Kayla Kliethermes Phone 573-751-4256 Fax 573-526-6010

Email address Kayla.Kliethermes@psc.mo.gov

Interagency mailing address Public Service Commission, 9th Floor Gov. Office Bldg, JC, MO

TYPE OF RULEMAKING ACTION TO BE TAKEN

☐ Emergency rulemaking > ☐ Rule ☐ Amendment ☐ Rescission ☐ Termination

Effective date for the emergency _____

☒ Proposed rulemaking > ☐ Rule ☒ Amendment ☐ Rescission

☐ Rule Action Notice

☐ In Addition

☐ Rule Under Consideration

☐ Request for Non-Substantive Change

☐ Statement of Actual Cost

☐ Order of Rulemaking > ☐ Withdrawal ☐ Adoption ☐ Amendment ☐ Rescission

Effective date for the order _____

☐ Statutory 30 days OR ☐ Specific date _____

Does the Order of Rulemaking contain changes to the rule text? ☐ NO

☐ YES—LIST THE SECTIONS/SUBSECTIONS WITH CHANGES:

STATE CAPITOL
201 W. CAPITOL AVENUE, ROOM 216
JEFFERSON CITY, MISSOURI 65101



(573) 751-3222
WWW.GOVERNOR.MO.GOV

Mike Kehoe

GOVERNOR
STATE OF MISSOURI

August 21, 2026

Kayla Hahn, Chair
Missouri Public Service Commission
P O Box 360
Jefferson City MO 65102

Dear Ms. Hahn:

Our office has received the Proposed Amendment rulemakings for the following regulations:

- **20 CSR 4240-22.020** Definitions
- **20 CSR 4240-22.030** Load Analysis and Load Forecasting
- **20 CSR 4240-22.040** Supply-Side Resource Analysis
- **20 CSR 4240-22.045** Transmission and Distribution Analysis

Executive Order 25-13 requires this office's approval before state agencies release proposed regulations for notice and comment, amend existing regulations, or adopt new regulations. After our review, we approve submission of the rule and the regulatory impact report (if required) to JCAR and the Secretary of State.

Sincerely,

A handwritten signature in cursive script that reads "Lowell Pearson".

Lowell Pearson
General Counsel



Missouri Public Service Commission

MAIDA J. COLEMAN
Commissioner

GLEN KOLKMEYER
Commissioner

KAYLA HAHN
Chair

POST OFFICE BOX 360
JEFFERSON CITY, MISSOURI 65102
573-751-3234
573-751-1847 (Fax Number)
<http://psc.mo.gov>

JOHN P. MITCHELL
Commissioner

VACANT
Commissioner

August 28, 2026

Denny Hoskins
Secretary of State
Administrative Rules Division
600 West Main Street
Jefferson City, Missouri 65101

Re: 20 CSR 4240-22.030 Load Analysis and Load Forecasting

Dear Secretary Hoskins,

CERTIFICATION OF ADMINISTRATIVE RULE

I do hereby certify that the attached is an accurate and complete copy of the proposed amendment lawfully submitted by the Missouri Public Service Commission.

The Public Service Commission further certifies it has conducted an analysis of whether or not there has been a taking of real property pursuant to section 536.017, RSMo, that the proposed amendment does not constitute a taking of real property under relevant state and federal law.

The Public Service Commission has determined and hereby also certifies that if the proposed amendment does affect small business pursuant to sections 536.300 to 536.310, RSMo, a small business impact statement has been filed as required by those sections. If no small business impact statement has been filed the proposed amendment either does not affect small business or the small business requirements do not apply pursuant to section 536.300.4, RSMo.

Statutory Authority: *sections 386.040, 386.250, 386.610, and 393.140, RSMo.*

If there are any questions regarding the content of this proposed amendment, please contact:

Nancy Dippell
Secretary/Chief Regulatory Law Judge
Missouri Public Service Commission
200 Madison Street
P.O. Box 360
Jefferson City, MO 65102
(573) 751-8518
Nancy.Dippell@psc.mo.gov



Nancy Dippell

Nancy Dippell
Secretary

Enclosures



Missouri Public Service Commission

MAIDA J. COLEMAN
Commissioner

KAYLA HAHN
Chair

JOHN P. MITCHELL
Commissioner

GLEN KOLKMEYER
Commissioner

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VACANT
Commissioner

August 28, 2026

Sarah Schappe
Director
Joint Committee on Administration Rules
State Capitol, Room B8A
Jefferson City, Missouri 65101

Re: 20 CSR 4240-22.030 Load Analysis and Load Forecasting

Dear Director Schappe,

CERTIFICATION OF ADMINISTRATIVE RULE

I do hereby certify that the attached is an accurate and complete copy of the proposed amendment lawfully submitted by the Missouri Public Service Commission.

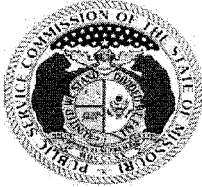
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Statutory Authority: *sections 386.040, 386.250, 386.610, and 393.140, RSMo.*

If there are any questions regarding the content of this proposed amendment, please contact:

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Nancy.Dippell@psc.mo.gov



Nancy Dippell

Nancy Dippell
Secretary

Enclosures

**AFFIDAVIT
PUBLIC COST**

**STATE OF MISSOURI)
)
COUNTY OF COLE)**

I, Rodney Massman, General Counsel of the Public Service Commission, first being duly sworn, on my oath, state that it is my opinion that the cost of proposed amendment, 20 CSR 4240-22.030, is less than five hundred dollars in the aggregate to this agency, any other agency of state government or any political subdivision thereof.



Rodney Massman
General Counsel
Public Service Commission

Subscribed and sworn to before me this 26th day of August, 2026, I am commissioned as a notary public within the County of Cole, State of Missouri, and my commission expires on June 29, 2029.





Notary Public

Received

AUG 28 2026

SECRETARY OF STATE
ADMINISTRATIVE RULES

Title 20—DEPARTMENT OF
COMMERCE AND INSURANCE
Division 4240—Public Service Commission
Chapter 22—Electric Utility Resource Planning

PROPOSED AMENDMENT

20 CSR 4240-22.030 Load Analysis and Load Forecasting. The Public Service Commission is amending the rule purpose; sections (1), (5), and (8); subsections (1)(C), (1)(D), (6)(A), (8)(A), and (8)(B); and paragraph (7)(A)3.

PURPOSE: This amendment updates citation references from the originally filed rule of 4 CSR 240-22, 4 CSR 240-22.030, 4 CSR 240-22.040, 4 CSR 240-22.050, 4 CSR 240-22.060, and 4 CSR 240-22.070, which were moved on August 28, 2019. The Purpose Section was also amended to update the correct section.

*PURPOSE: This rule sets minimum standards for the maintenance and updating of historical data, the level of detail required in analyzing loads, and the purposes to be accomplished by load analysis and by load forecast models. The load analysis discussed in this rule is intended to support both demand-side management efforts of [4 CSR 240-22.050] **20 CSR 4240-22.050** and the load forecast models of this rule. This rule also sets the minimum standards for the documentation of the inputs, components, and methods used to derive the load forecasts.*

(1) Selecting Load Analysis Methods. The utility may choose multiple methods of load analysis if it deems doing so is necessary to achieve all of the purposes of load analysis and if the methods are consistent with, and calibrated to, one another. The utility shall describe and document its intended purposes for load analysis methods, why the selected load analysis methods best fulfill those purposes, and how the load analysis methods are consistent with one another and with the end-use consumption data used in the demand-side analysis as described in [4 CSR 240- 22.050] **20 CSR 4240-22.050**. At a minimum, the load analysis methods shall be selected to achieve the following purposes:

(C) To facilitate the analysis of impacts of implemented demand-side programs and demand-side rates on the load forecasts and to augment measurement of the effectiveness of demand-side resources necessary for [4 CSR 240-22.070(8)] **20 CSR 4240-22.070(8)** in the evaluation of the performance of the demand-side programs or rates after they are implemented; and

(D) To preserve, in a historical database, the results of the load analysis used to perform the demand-side analysis as described in [4 CSR 240- 22.050] **20 CSR 4240-22.050**, and the load forecasting described in [4 CSR 240- 22.030] **20 CSR 4240-22.030**.

(5) Selecting Load Forecasting Models. The utility shall select load forecast models and develop the historical database needed to support the selected models. The selected load forecast models will include a method of end-use load analysis for at least the residential

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and small commercial classes, unless the utility demonstrates that end-use load methods are not practicable and provides documentation that other methods are at a minimum comparable to end-use methods. The utility may choose multiple models and methods if it deems doing so is necessary to achieve all of the purposes of load forecasting and if the methods and models are consistent with, and calibrated to, one another. The utility shall describe and document its intended purposes for load forecast models, why the selected load forecast models best fulfill those purposes, and how the load forecast models are consistent with one another and with the end-use usage data used in the demand-side analysis as described in [4 CSR 240- 22.050] **20 CSR 4240-22.050**. As a minimum, the load forecast models shall be selected to achieve the following purposes:

(6) Load Forecasting Model Specifications.

(A) For each load forecasting model selected by the utility pursuant to section [4 CSR 240-22.030(5)] **20 CSR 4240-22.030(5)**, the utility shall describe and document its—

1. Determination of appropriate independent variables as predictors of energy and peak demand for each major class. The critical assumptions that influence the independent variables shall also be identified.

A. The utility shall assess the applicability of the historical explanatory variables pursuant to subsection (3)(A) to its selected forecast model.

B. To the extent that the independent variables selected by the utility differ from the historical explanatory variables, the utility shall describe and document those differences;

2. Development of any mathematical or statistical equations comprising the load forecast models, including a specification of the functional form of the equations; and

3. Assessment of the applicability of any load forecast models or portions of models that were utilized by the utility but developed by others, including a specification of the functional forms of any equations or models, to the extent they are available.

(7) Base-Case Load Forecast. The utility's base-case load forecast shall be based on projections of the independent variables that utility decision-makers believe to be most likely. All components of the base-case load forecast shall assume normal weather conditions. The load impacts of implemented demand-side programs and rates shall be incorporated in the base-case load forecast, but the load impacts of proposed demand-side programs and rates shall not be included in the base-case forecast.

(A) Major Class and Total Load Detail. The utility shall produce forecasts of monthly energy usage and demands at the time of the summer and winter system peaks by major class for each year of the planning horizon, and shall describe and document those forecasts in its triennial compliance filings. Where applicable, these major class forecasts shall be separated into their jurisdictional components.

1. The utility shall describe and document how the base-case forecasts of energy usage and demands have taken into account the effects of real prices of electricity, real prices of competitive energy sources, real incomes, and any other relevant economic and demographic factors. If the methodology does not incorporate economic and demographic factors, the utility shall explain how it accounted for the effects of these factors.

2. The utility shall describe and document how the forecasts of energy usage and demands have taken into account the effects of legal mandates affecting the consumption of electricity.

3. The utility shall describe and document how the forecasts of energy usage and demands are consistent with trends in historical consumption patterns, end uses, and end-use efficiency in the utility's service area as identified pursuant to sections [4 CSR 240- 22.030(2), (3), and (4)] **20 CSR 4240-22.030(2), (3), and (4).**

4. For at least the base year of the forecast, the utility shall describe and document its estimates of the monthly cooling, heating, and non-weather-sensitive components of the weather-normalized major class loads.

5. Where judgment has been applied to modify the results of its energy and peak forecast models, the utility shall describe and document the factors which caused the modification and how those factors were quantified.

6. For each major class specified pursuant to subsection (2)(A), the utility shall provide plots of class monthly energy and coincident peak demand at the time of summer and winter system peaks. The plots shall cover the historical database period and the forecast period of at least twenty (20) years. The plots of coincident peak demands for the historical period shall include both actual and weather-normalized peak demands at the time of summer and winter system peaks. The plots of coincident peak demand for the forecast period shall show the class coincident demands for the base-case forecast at the time of summer and winter system peaks.

7. The utility shall provide plots of the net system load profiles for the summer peak day and the winter peak day showing the contribution of each major class. The plots shall be provided in the triennial filing for the base year of the forecast and for the fifth, tenth, and twentieth years of the forecast. Plots for all years shall be included in the workpapers supplied at the time of the triennial filing.

(8) Load Forecast Sensitivity Analysis. The utility shall describe and document its analysis of the sensitivity of the dependent variables of the base-case forecast for each major class to variations in the independent variables identified in subsection [4 CSR 240- 22.030(6)(A)] **20 CSR 4240-22.030(6)(A).**

(A) The utility shall produce at least two (2) additional normal weather load forecasts (a high-growth case and a low-growth case) that bracket the base-case load forecast. Subjective probabilities shall be assigned to each of the load forecast cases. These forecasts and associated subjective probabilities shall be used as inputs to the risk analysis required by [4 CSR 240- 22.060] **20 CSR 4240-22.060.**

(B) The utility shall estimate the sensitivity of system peak load forecasts to extreme weather conditions. This information shall be considered by utility decision-makers to assess the ability of alternative resource plans to serve load under extreme weather conditions when selecting the preferred resource plan pursuant to [4 CSR 240- 22.070(1)] **20 CSR 4240-22.070(1).**

AUTHORITY: sections 386.040, 386.250, 386.610, and 393.140, RSMo [2000] 2016. This rule originally filed as 4 CSR 240-22.030. Original rule filed June 12, 1992, effective May 6,*

1993. Amended: Filed Oct. 25, 2010, effective June 30, 2011. Moved to 20 CSR 4240-22.030, effective Aug. 28, 2019. **Amended: Filed, effective.**

**Original authority: 386.040, RSMo 1939; 386.250, RSMo 1939, amended 1963, 1967, 1977, 1980, 1987, 1988, 1991, 1993, 1995, 1996; 386.610, RSMo 1939; and 393.140, RSMo 1939, amended 1949, 1967.*

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500.00) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500.00) in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: Anyone may file comments in support of or in opposition to this proposed amendment with the Missouri Public Service Commission, Nancy Dippell, Secretary of the Commission, P.O. Box 360, Jefferson City, MO 65102. To be considered, comments must be received at the commission's offices on or before November 2, 2026, and should include a reference to Commission Case No. EX-2027-0060. Comments may also be submitted via a filing using the commission's electronic filing and information system at https://psc.mo.gov/General/Submit_Comments. A public hearing regarding this proposed amendment is scheduled for November 5, 2026, at 10 a.m., in Room 310 of the Governor Office Building, 200 Madison St., Jefferson City, MO. Interested persons may appear at this hearing to submit additional comments and/or testimony in support of or in opposition to this proposed amendment and may be asked to respond to commission questions. Any persons with special needs as addressed by the Americans with Disabilities Act should contact the Missouri Public Service Commission at least ten (10) days prior to the hearing at one (1) of the following numbers: Consumer Services Hotline 1-800-392-4211 or TDD Hotline 1-800-829-7541.