April 15, 2025

Kansas Corporation Commission
1500 SW Arrowhead Rd.
Topeka, Kansas 66604-4027

RE: 24-EKCE-254-CPL Evergy Kansas Central, Inc and Evergy Kansas South, Inc. Compliance filing pursuant to Kansas House Bill 2225, K.S.A. 66-1237

To Whom it May Concern:

Evergy Kansas Central, Inc. and Evergy Kansas South, Inc. (collectively referred to herein as "Evergy Kansas Central") are submitting their Compliance Filing as required by Kansas House Bill 2225, K.S.A. 66-1237.

Per Statute, this Compliance Filing provides the following:

(1) For each non-blanket work order transmission project over $15,000,000, or a different amount deemed necessary by the commission staff in consultation with the filing utility, an itemization of projected transmission spending for the succeeding calendar year and the second succeeding calendar year. The commission may expect a utility to provide more extensive details for transmission projects in the succeeding calendar year than for the second succeeding calendar year, but the utility shall provide as many details as reasonably possible for transmission projects in the second succeeding calendar year;

(2) for each transmission project:

(A) A project identifier or name;

(B) the anticipated in-service date;

(C) the projected cost;

(D) the specific location within the utility's system;

(E) whether the project is classified as a new build, rebuild, upgrade or any other appropriate classification;

(F) a description providing the purpose for the project and the anticipated reliability benefits;

(G) a description of the original vintage of the replaced facilities if the project is classified as a rebuild or upgrade; and

(H) the load additions or economic development benefits accommodated by the project, if any;

(3) a proposed date and time for:

(A) Representatives of the public utility to conduct a technical conference for the purpose of discussing the details of the compliance filing with commission staff, the citizens utility ratepayer board and other commission-authorized intervenors. Such technical conference shall be held not later than 90 days after the utility filed the compliance filing; and

(B) the commission to hold a public workshop in which representatives of the public utility shall present the details associated with the transmission projects that are anticipated in the succeeding calendar year. The public workshop shall allow for questions and comments from the commission, commission staff and other commission-authorized intervenors. The public workshop shall be held not later than 120 days after the utility filed the compliance filing.

The proposed date and time for the technical conference is June 18, 2025 at 9:00am.

The proposed date and time for the public workshop is August 7, 2025 at 8:00am.

These documents contain confidential information related to transmission projects that might not be public information at this time. Therefore, Evergy Kansas Central is filing both a confidential and public version of this compliance filing.

In addition to the undersigned, all correspondence, pleadings, orders, decisions and communications regarding this proceeding should be sent to:

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Sincerely,

Cathryn J. Dinges
Sr Director & Regulatory Affairs Counsel

Attorney for Evergy Kansas Central, Inc. and
Evergy Kansas South, Inc.

cc: Robin Allacher
Linda Nunn

(a) Project Identifier or Name	(b) Anticipated ISD	(c) TFR Spend (Includes 34kV)	(d) Specific Location within Utility's System	(e) Project Type	(f) Purpose for Project and Reliability Benefits	(g) Original Vintage of Replaced Facilities	(h) Economic Development Benefits
[redacted] 138kV STATCOM	[redacted]	$ 60,035,534	Wichita	New Build	Supports dynamic voltage recovery in the Wichita area during single phase and three-phase faults, which becomes necessary as conventional generating units are retired.	n/a	n/a
[redacted] 138kV Conversion	[redacted]	$ 24,313,672	Wichita	Upgrade	Provides an additional 138kV source into Wichita, reducing reliance upon 138-69kV transformers. Project scope includes [redacted] substation rebuild and [redacted] substation expansion. Much of the equipment at the [redacted] and [redacted] substations has reached its end of life. Taking maintenance outages at the [redacted] 138kV substation is extremely difficult due to the bus layout and number of terminals and the [redacted] substation is of a design that is difficult to recover following a failure.	[redacted]: 1955 [redacted]: 1951	n/a
[redacted] 161-69kV [redacted] Substation [redacted] & New 161kV Line (in and out)	[redacted]	$ 23,170,035	Independence	New Build	New source into [redacted] and [redacted] area and replacement for [redacted] substation. If [redacted] 69kV source is lost, remaining transmission capacity is not sufficient to support area and [redacted] generation must run to support reliability.	1975	n/a
[redacted] 69kV Rebuild	[redacted]	$ 29,743,192	Independence	Upgrade	A majority of the line is between 63 and 84 years old. Approximately 95% of the poles are over their life expectancy, with about 1/4 of them being over 1.5 times their life expectancy. Due to the current radial configuration and the condition of the line, many of the damaged structures are unable to be replaced safely.	[redacted] 69kV Line: 1941 [redacted] 69kV Line: 1955-1962	n/a
[redacted] 138-69kV Substation Rebuild	[redacted]	$ 26,984,791	Independence	New Build	The substation was originally constructed in 1930 and still contains assets dating back to that time. The two 138/69kV transformers were installed in 1953 and are different sizes, which makes it infeasible to operate them in parallel. They will be replaced with a single, larger transformer which will resolve the issue.	1930	n/a
[redacted] Transformer Addition and [redacted] 161-138kV Transformer Removals	[redacted]	$ 16,864,483	Pittsburg	New Build	Provides loading relief on the 161-138kV transformers for the loss of the other, which have been associated with multiple Southwest Power Pool temporary flowgates. The addition of a second 345-138kV transformer allows for the removal of the 161-138kV transformers and removes concerns of circulating VARs through the [redacted] 345 and [redacted] SES substations and across the 345kV, 161kV, and 138kV systems.	[redacted] 161-138kV TX 4: 1963 161-138kV TX 5: 1976	n/a
				Note:			
				Project Type according to definitions below:			
				New Build: [redacted] or expansion of existing infrastructure (substation expansion, for example).			
				Upgrade: Increase in ampacity of existing assets.			
				Rebuild: Like-for-like replacements.			