



April 6, 2021

Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka KS 66614

RE: In the Matter of the Investigation into the Sustainability Transformation Plan of
Evergy Metro, Inc., Evergy Kansas Central, Inc., and Evergy Kansas South, Inc.
(collectively Evergy); Docket No. 21-EKME-088-GIE

To whom it concerns:

Evergy is resubmitting the material presented at the conclusion of the workshop held on
December 21, 2020, in the above-referenced docket, that was originally filed on December 22,
2020, in order to make a few additional revisions to the public and confidential designations
in the document.

Sincerely,

A handwritten signature in blue ink that reads "Cathryn Dinges".

Cathy Dinges,
Corporate Counsel



Sustainability Transformation Plan (STP)

*Operational Efficiency Workshop
Supplemental Information*



Grid Mod Workshop Follow-Up Topics

- Overview of expenditures by state
- Rate impacts by jurisdiction
- Layout of the capital plan views – merger to STP
- Capacity vs. energy mix
- Transmission spend – percentage of NTCs from SPP
- Percentage of transmission and distribution system included in the plan – approach to determining
- STP outputs – metrics and measures under consideration



Overview of Capital Expenditures by State

STP Capital Expenditures *

In millions	Projected 2020	Projected 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2020-2024
Kansas						
Generating Facilities: New Renewables						
Generating Facilities: Other						
Transmission & Distribution Facilities: FERC (a)						
Transmission & Distribution Facilities: Other						
General Facilities & Other						
Total						

Missouri

Generating Facilities: New Renewables						
Generating Facilities: Other						
Transmission & Distribution Facilities: Other						
General Facilities & Other						
Total						

*Excluding capitalized interest and liabilities paid

(a) State impact subject to cost-benefit analysis and allocation by Southwest Power Pool



Rate Impact by Jurisdiction - Kansas

Kansas Central				
STP Retail Average Rate c/kWh	Projected 2020	Projected 2024	20-24 change	20-24 CAGR
BASE	6.61	6.69	0.08	0.3%
RECA	2.16	2.04	(0.12)	-1.5%
TDC	1.33	2.04	0.71	11.3%
SPE	-	0.11	0.11	n/a
PTS	0.10	0.24	0.15	26.1%
DSIM	0.02	0.02	(0.00)	-3.0%
Average Retail Rate per kWh	10.22	11.14	0.93	2.2%

Kansas Metro				
STP Retail Average Rate c/kWh	Projected 2020	Projected 2024	20-24 change	20-24 CAGR
BASE	8.99	9.26	0.27	0.7%
ECA	1.76	1.20	(0.56)	-9.1%
TDC	0.63	0.62	(0.01)	-0.5%
PTS	0.11	0.20	0.09	16.7%
Average Retail Rate per kWh	11.49	11.29	(0.21)	-0.5%



Rate Impact by Jurisdiction - Missouri

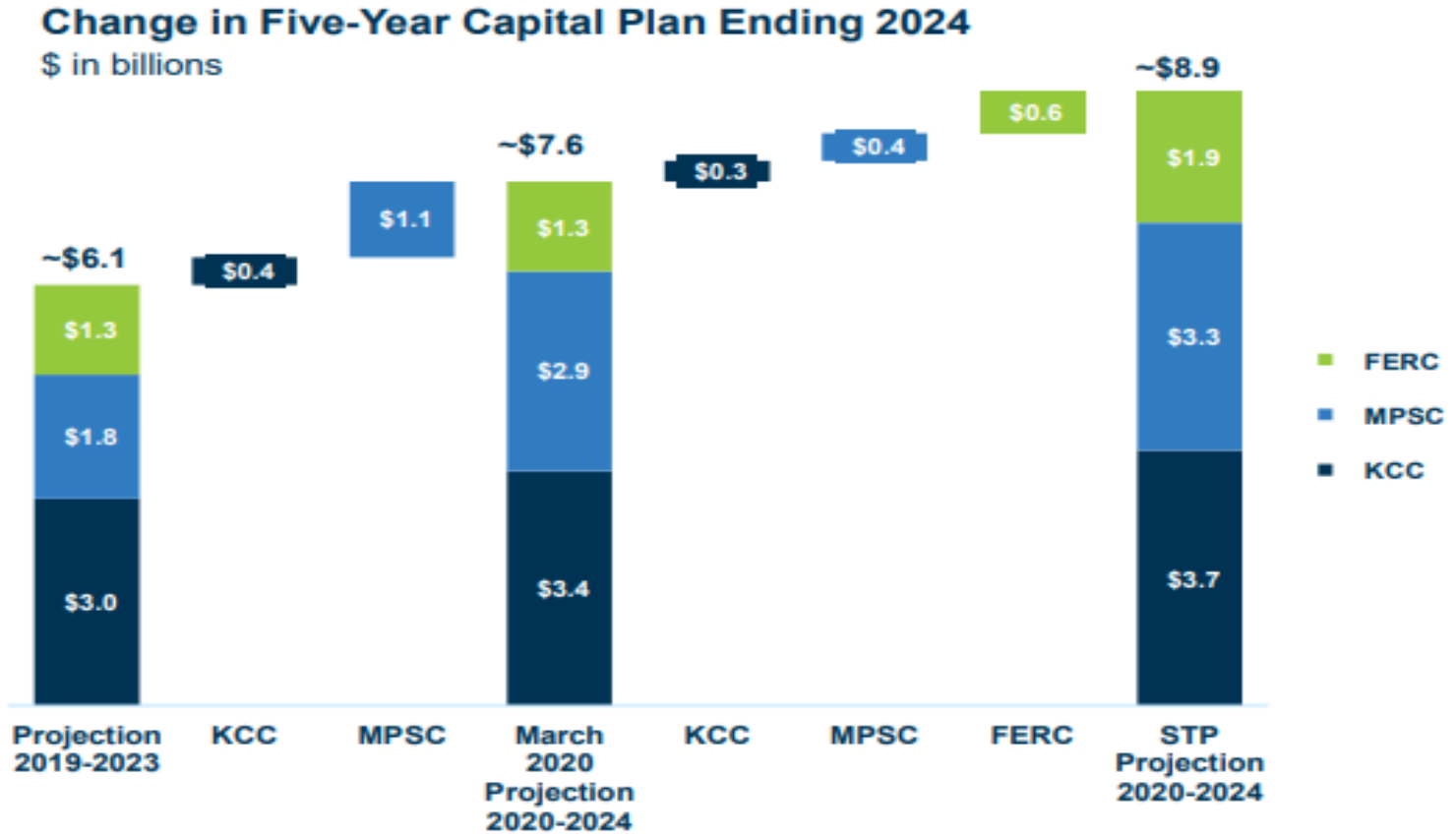
Missouri Metro

STP Retail Average Rate c/kWh	Projected 2020	Projected 2024	20-24 change	20-24 CAGR
BASE	10.35	11.58	1.24	2.9%
FAC	(0.18)	(0.51)	(0.33)	n/a
PTS	(0.12)	(0.16)	(0.04)	n/a
DSIM	0.25	0.16	(0.09)	-11.0%
Average Retail Rate per KWh	10.30	11.07	0.77	1.8%

Missouri West

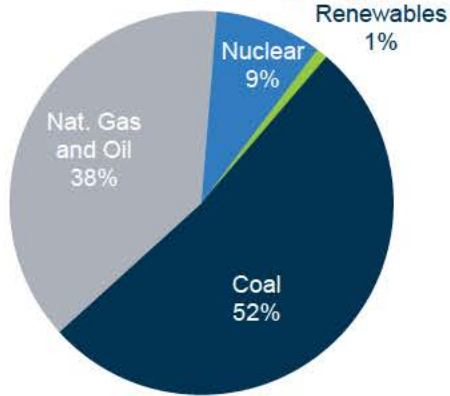
STP Retail Average Rate c/kWh	Projected 2020	Projected 2024	20-24 change	20-24 CAGR
BASE	8.86	9.54	0.67	1.8%
RAC	(0.23)	(0.09)	0.14	n/a
DSIM	0.26	0.16	(0.09)	-10.5%
RESRAM	0.09	0.09	(0.00)	-0.2%
Average Retail Rate per KWh	8.98	9.70	0.72	1.9%

Capital Plan Changes Since Evergy Formation

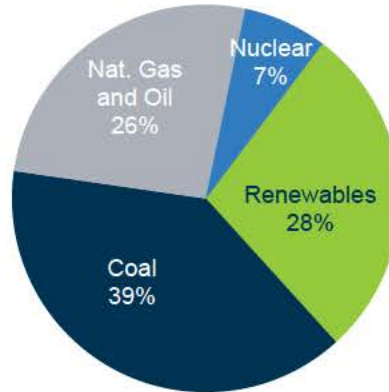


Capacity vs. Energy Mix – Clean Energy Transition

Generation Capacity by Fuel Type^{1,2}

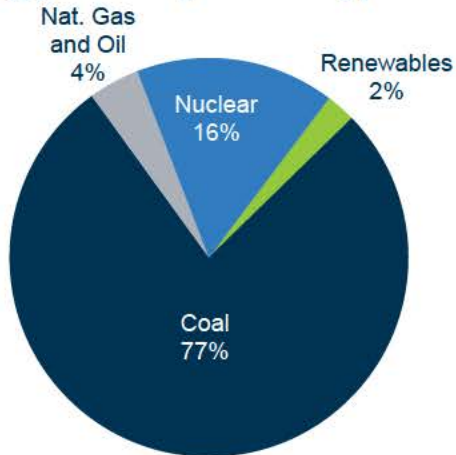


2010

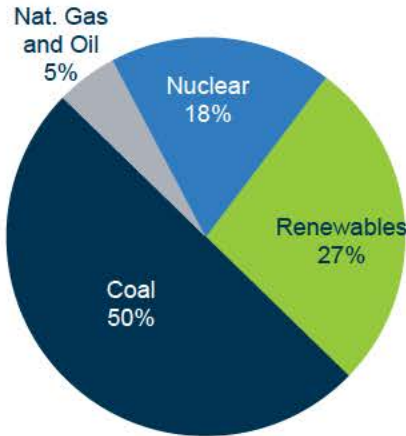


2020

Energy Mix by Fuel Type^{1,2}



2010



2019

NOTE:

1. Renewables include both owned and power purchase agreements and are listed at nameplate.
2. Percentages may not add up to 100% due to rounding.
3. Ultimate resource plan and generation capacity will be defined through scenario analysis and in collaboration with stakeholders through IRP process.



Discussion of Other Items

- Transmission spend – percentage of NTCs from SPP
- Percentage of transmission and distribution system included in the plan – approach to determining
- STP outputs – metrics and measures under consideration