

# Kansas Electric Power Cooperative, Inc.

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202511031649037790 Filed Date: 11/03/2025

November 3, 2025

Ms. Celeste Chaney-Tucker Executive Director Kansas Corporation Commission 1500 SW Arrowhead Road Topeka, KS 66604

Re: 2025 Kansas Generation Planning Survey

Docket No. 13-GIME-256-CPL

Dear Ms. Chaney-Tucker:

Please find the attached confidential and redacted versions of Kansas Electric Power Cooperative, Inc.'s ("KEPCo") 2025 Kansas Generation Planning Survey for filing in the above-referenced docket. The confidential version contains highly sensitive information that shows the amount of capacity and energy currently used, purchased, and projected in the future. As such, the information constitutes confidential commercial and competitively sensitive information, the disclosure of which could cause economic harm to KEPCo and its Member distribution cooperatives by putting KEPCo at a competitive disadvantage when negotiating future wholesale power supply agreements or other contracts related to supplying its Members with full requirements power and energy.

As such, KEPCo is filing the confidential version pursuant to K.S.A. 66-1220a and K.A.R. 82-1-221 and requests confidential treatment as provided therein.

If you have any questions or require additional information, don't hesitate to contact me.

Sincerely,

Isl Susan B. Cunningham

Susan B. Cunningham General Counsel

Attachments

Kansas Electric Power Cooperative, Inc.

	1							Fore	casted System (	Generation Needs	s													
	2020 2021	Historical 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Projected 2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Firm Wholesale MWh Sales     (Company Name) **		•				•								_									•	
Kansas Electric Power Cooperative, Inc. Total Firm Wholesale MWh Sales																								
2) Firm Wholesale MWh Purchases (Company Name)**																								
(company Name)																								
Total Firm Wholesale MWh Purchases																								
3) Native Load Total Annual Retail Electricity Sales																								
Plus: Total Firm MWh Sales Less: Total Firm MWh Purchases																								
Native Load system load grown	th																							
4) Owned MWh Generation Coal Fired**																								
Gas Fired **																								
(Dual Fuel fired (coal/gas; oil/gas)**																								
Wind** (Clant/Unit Name)																								
Solar**																								
Hydro** (Plant/Unit Name)																								
BioMass** (Plant/Unit Name)																								
Other**																								
Total Annual MWh Generation from Owned Assets																								

\* Placing your utility name here will copy to all tabs

insert lines below this row as needed

Verify column totals are totalled correctly and the information reported in **Tot Sys Cap** is correct

### Kansas Electric Power Cooperative, Inc. Forecasted System Capacity Responsibility

									Forecaste	ed System	Capacity Re	esponsibil	ity												
			Historical												Projecte	ed									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
1) System Peak:																									
Total Kansas Retail System Peak																									
Divisi Minalagala Cantragta																									
Plus: Wholesale Contracts																									
KEPCo Members (Billing Peak)																									
Total System Peak																									
	06																								
system peak load growt	n																								
2) Interruptibles																									
2) interruptibles																									
Total Interruptible Load																									
3) System Capacity Responsibility																									
Winter Peak (12/1 through 3/31)																									
Summer Peak (6/1 through 9/30)																									
Total System Peak																									
Less: Total Interruptible Load																									
Total Load Obligation																									
-																									
Plus: SPP Reserve Margin***																									
Total System Capacity Responsibility																									

<sup>\*\*</sup> insert lines below this row as needed.

Verify column totals are totalled correctly and the information reported in **Tot Sys Cap** is correct

\*\*\*The formula for the SPP Required 15% Reserve Margin has been updated to comply with the lastest SPP requirements. The updated formula is (Capacity-Peak Demand/PEAK DEMAND = 0.15..

### Kansas Electric Power Cooperative, Inc. Forecasted System Capacity

	1	Forecasted System Capacity	
	Historical	I anno I	Projected
	2020   2021   2022   2023   2024	2025   2026   2027   2028   2029   2030   2031   2032   2033	2034   2035   2036   2037   2038   2039   2040   2041   2042   2043   2044
1) Accredited Generation:			
(Plant/Unit Name)**			
Wolf Creek Nuclear Plant (6% Share)			
Sharpe			
latan 2 (3.5% Share)			
Prairie Sky Solar			
Total Accredited Generation			
2) Summer Net Capability			
(Unit/Project Name)** Wolf Creek Nuclear (6% Share)			
Sharpe			
latan 2 (3.5% Share)			
Prairie Sky Solar			
Total Summer Net Capability			
3) Winter Net Capability			
(Unit/Project Name)**		<u> </u>	
Wolf Creek Nuclear (6% Share)			
Sharpe			
latan 2 (3.5% Share)			
Prairie Sky Solar			
•			
Total Winter Net Capability			
4) Capacity Additions (Unit/Project Name)**			
Ninneach Flata Calar			
Ninnescah Flats Solar Total Capacity Additions			
5)			
(Company Name)**			
Evergy Kansas (through 5/24/2027)			
Evergy Kansas (through 5/31/2027)			
Sunflower Electric Power Corporation			
Southwestern Power Administration			
Western Area Power Administration			
Green Country Energy (beginning 6/1/2027			
Total Capacity Purchases			
6) Capacity Sales:			
(Company Name)**			
Total Capacity Sales			
7) System Capacity			
Total Accredited Generation	'	1	•
Plus: Capacity Additions			
Total Accredited Generation			
Plus Canasit Purchase			
Plus: Capacity Purchases			
Less: Capacity Sales			
Total System Capacity			

<sup>\*\*</sup> insert lines below this row as needed

Verify column totals are totalled correctly and the information reported in **Tot Sys Cap** is correct

## Kansas Electric Power Cooperative, Inc. Renewable Capacity

								Rer	newable C	apacity															
	i	His	storical	Ì	Ì		i		I	1 1	l i	i	Ì	İ	Projected	ì	Ì	1	ı	Ì	Ì	i	Ì	Í	
		2020 2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043 20	044
1) Summer Net Generating Capability		·														·	·	•	•	•	·	·		·	
wind, solar, hydro, biomass**																									
	Subtotal																								
2) Winter Net Generating Capability																									
wind, solar, hydro, biomass**																									
	Subtotal																								
3) Existing Kansas Renewable Capacity:																									
Wind**																									
(Plant/Unit Name)																									
Solar**	Subtotal																								
Coldi																									
Hydro**	Subtotal																								
(Plant/Unit Name)																									
5: 14	Subtotal																								
BioMass** (Plant/Unit Name)																									
	Subtotal																								
Other**																									
	Subtotal																								
Total Kansas Renewable Capacity																									
4) Existing Out-of-State Renewable Capacity Wind**																									
(Plant/Unit Name)																									
0.1.**	Subtotal																								
Solar** (Plant/Unit Name)																									
	Subtotal																								
Hydro**																									
BioMass**	Subtotal																								
(Plant/Unit Name)																									
OU tt	Subtotal																								
Other** (Plant/Unit Name)																									
	Subtotal																								
Total Existing Out-of-State Renewable Capacity																									
5) Kansas-based Renewable Capacity Additions																									
Wind**																									
(Plant/Unit Name)																									

	Subtotal	
Solar**	Subtotal	
(Plant/Unit Name)		
	Subtotal	
Hydro** (Plant/Unit Name)		
5:11	Subtotal	
BioMass** (Plant/Unit Name)		
Other**	Subtotal	
(Plant/Unit Name)		
	Subtotal	
Total Kansas-based Renewable Capacity Addit	tions	
6) Out-of-State Renewable Capacity Additions		
Wind**		
(Plant/Unit Name)	Subtotal	
Solar**		
(Plant/Unit Name)	Subtotal	
Hydro** (Plant/Unit Nama)		
(Flatit/Offit Name)	Subtotal	
BioMass** (Plant/Linit Name)		
(Careon Careo)	Subtotal	
Other** (Plant/Unit Name)		
,	Subtotal	
Total Out-of-State Renewable Capacity Addition	ns	
<ol> <li>Renewable Capacity Required for Other Jurisd (State or Jurisdiction)**</li> </ol>	ictions	
Wind**		
(Plant/Onit Name)	Subtotal	
Solar** (Plant/Unit Name)		
(Fixing Onle Reding)	Subtotal	
Hydro** (Plant/Unit Name)		
D: M . #	Subtotal	
BioMass** (Plant/Unit Name)		
Other**	Subtotal	
(Plant/Unit Name)		
	Subtotal	
Total Renewable Capacity Required for Other J	Jurisdictions	
8) In-State Renewable Capacity		
Total Existing Kansas Renewable Capacity		
Plus: Kansas-based Renewable Capacity Addition Total In-state Renewable Capacity	ns	
. ,		

#### Total In-State Renewable Capacity

#### 9) Renewable Capacity Available

Total In-state Renewable Capacity

Plus: Existing Out-of-State Renewable Capacity
Plus: Out-of-State Renewable Capacity Additions
Plus: In -State Renewable Capacity Additions

**Total Renewable Capacity** 

Less: Renewable Capacity Required for Other Jurisdictions

**Total Renewable Capacity Available** 

\*\* insert lines below this row as needed

Verify column totals are totalled correctly and the information reported in **Tot Sys Cap** is correct



This tab contains information that has been entered on previous tabs and will be sent to the legislature later this year. Historically, this table has been considered Public Information. Please click on one box below to confirm that the information displayed below in the Table is:

Confidential - Please indicate all information that is considered Confidential and provide justification for the data being designated Confidential.

## Table: Current and Projected Total System Capacity and System Capacity Responsibility for Utilities

System Capacity Surplus (Deficit)	
System Peak Responsibility (MW)	Pr
Total System Capacity (MW)	2044 Projected
Total Winter Net Capability	ted ted
Total Summer Met Capability	
System Capacity Surplus (Deficit)	
System Peak Responsibility (MW)	₽
Total System Capacity (MW)	2039 Projected
Total Winter Met Capability	s9 cted
Total Summer Net Capability	
System Capacity Surplus (Deficit)	
System Peak Responsibility (MW)	U
Total System Capacity (MW)	2034 Projectec
Total Winter Net Capability	ted 2
Total Summer Met Capability	
System Capacity Surplus (Deficit)	
System Peak Responsibility (MW)	ס
Total System Capacity (MW)	2029 Projectec
Total Winter Net Capability	.9 cted
Total Summer Net Capability	
System Capacity Surplus (Deficit)	
System Peak Responsibility (MW)	工
Total System Capacity (MW)	2024 Historica
Total Winter Net Capability	24 Tical
tilideas 2 to 14 setail/14 lete T	