

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
January 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC) JAN 6 @ 0900	Evergy KS South (EKS) JAN 6 @ 1100	EKC Contribution	EKS Contribution	Evergy KS Central JAN 6 @ 1000
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	1,984	1,590	1,979	1,582	3,561
less: FreeState, SPA Resources ¹	1000	1	1	0	1
Nemaha, SPA Resources ¹	2266	2	2	0	2
Doniphan, SPA Resources	2000	2	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	218	0.2	0.2	0	0
Total System Load Net	<u>1,979</u>	<u>1,590</u>	<u>1,974</u>	<u>1,581</u>	<u>3,555</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	135	81	135	81	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	41 *	0 *	41 *	0 *	41
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>179</u>	<u>81</u>	<u>179</u>	<u>81</u>	<u>260</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>1,803</u>	<u>1,509</u>	<u>1,798</u>	<u>1,500</u>	<u>3,298</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
JAN 6 @ 0900	JAN 6 @ 1100

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
	JAN 6 @ 1000	

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	1,803	1,509	1,798	1,500	3,298

V) RETAIL

less: KEPCo					
KEPCo - Westar	110	112	108	114	222
KEPCo - MKEC (WPEK)	53	0	52	0	52
KEPCo - Midwest	10	0	10	0	10
KEPCo - EDE	3	0	3	0	3
KEPCo - KCPL	17	0	17	0	17
less: McPherson	134	0	135	0	135
less: GFR Munis	10	1	10	1	11
less: GFR Coops	41	0	39	0	39
add: KEPCo Resources ⁴	135	81	135	81	215
McPherson Resources	41	0	41	0	41

RETAIL LOAD:	1,600	1,477	1,600	1,466	3,066
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	2,049	1,715	2,043	1,705	3,748
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 12%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources	Maximum Capacity (kW)	Proration North	Proration South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	134,610	80,776

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak Metered	South Peak Metered	EKC Peak North	EKS Peak South	Demand* Loss Factors (From Bills)	North Peak Loss Adjusted	South Peak Loss Adjusted	WR Peak Loss Adjusted	WR Peak Loss Adjusted
	JAN 6 @ 0900	JAN 6 @ 1100	JAN 6 @ 1000	JAN 6 @ 1000		JAN 6 @ 0900	JAN 6 @ 1100	JAN 6 @ 1000	JAN 6 @ 1000
KEPCo - SECI [fka MKEC]	53		52		1.0512	55.5275	0.0000	54.5394	0.0000
KEPCo - Midwest	10		10		1.0426	10.3614	0.0000	10.5636	0.0000
KEPCo - EDE	3		3		1.0271	3.4500	0.0000	3.4356	0.0000
KEPCo - KCPL	17		17		1.0190	17.5441	0.0000	17.1712	0.0000
						86.8830	0.0000	85.7099	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur Updated Loss Factor 1/1/2022

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	38.739	20.378	37.029	20.846	1.0307	39.9283	21.0036	38.1658	21.4860
O10	-0.13	0	-0.125	0	1.0867	-0.1413	0.0000	-0.1358	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	37.51	73.363	37.214	74.688	1.0367	38.8866	76.0554	38.5798	77.4290
O4	33.951	15.896	33.546	15.974	1.0522	35.7232	16.7258	35.2971	16.8078
O5	0	2.152	0	2.197	1.0583	0.0000	2.2775	0.0000	2.3251
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.024	0.23	0.024	0.23	1.0796	0.0259	0.2483	0.0259	0.2483
O9	-0.022	0	-0.029	0	1.0456	-0.0230	0.0000	-0.0303	0.0000
O12	-0.0002	0	-0.0002	0	1.0892	-0.0002	0.0000	-0.0002	0.0000
KEPCo - EKC	110.0718	112.019	107.6588	113.935		114.3996	116.3106	111.9022	118.2963

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak		SPA Cap Credit	North Peak Loss Adjusted	EKS	South Peak		Loss Adjusted
	Metered JAN 6 @ 0900					Metered JAN 6 @ 1100	SPA Cap Credit	
Alma (WSPP)	1,737			1,801	Bronson	284		301
Elwood	1,329			1,398	Mindenmines	430		452
Enterprise (City & Indust Park)	784	-120		695	Mulberry	405		429
Herington	3,175			3,291				
Morrill	177			186				
Muscotah	141			148				
Robinson	0			0				
Scranton	169			178				
Troy	560	-98		495				
Vermillion	1,397			1,440				
Wathena (WSPP)	140			147				
GFR Munis	9,609			9,779		1,119		1,182

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

	WR Peak		SPA Cap Credit	North Peak Loss Adjusted	WR	WR Peak		WR Peak Loss Adjusted
	Metered JAN 6 @ 1000					Metered JAN 6 @ 1000	SPA Cap Credit	
Alma	1,792			1,858	Bronson	303		321
Elwood	1,226			1,290	Mindenmines	416		438
Enterprise	804	-120		716	Mulberry	420		444
Herington	3,172			3,288				
Morrill	183			193				
Muscotah	144			152				
Robinson	0			0				
Scranton	178			187				
Troy	674	-98		615				
Vermillion	1,385			1,428				
Wathena	138			145				
GFR Munis	9,696			9,871		1,139		1,203

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:

8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak		SPA Cap Credit	Peak Loss Adjusted	
	Metered JAN 6 @ 0900				
Doniphan	3,501	-2,000		1,663	
Free State (Previously Kaw Valley)	28,885	-1,000		28,817	
Nemaha Marshall	8,902	-2,266		5,779	Confirmed w B. St Louis, Capacity Credit should be applied.
	41,288			36,258	
WR	Peak		SPA Cap Credit	Peak Loss Adjusted	
	Metered JAN 6 @ 1000				
Doniphan	3,463	-2,000		1,624	
Free State (Previously Kaw Valley)	27,211	-1,000		27,088	
Nemaha Marshall	8,618	-2,266		5,495	Confirmed w B. St Louis, Capacity Credit should be applied.
	39,292			34,207	

	North Peak	South Peak	WR Peak	Demand Loss Factors (From Bills)	Peak	Peak	Peak
	Metered JAN 6 @ 0900	Metered JAN 6 @ 1100	Metered JAN 6 @ 1000		Loss Adjusted JAN 6 @ 0900	Loss Adjusted JAN 6 @ 1100	Loss Adjusted JAN 6 @ 1000
O2 WR30-Alma	1.737	1.872	1.792	0.0367	1,801	1,941	1,858
O5 WR30-Bronson	0.308	0.284	0.303	0.0583	326	301	321
O4 DPEC30-Bellevue	0.591	0.612	0.586	0.0522	622	644	617

O1 DPEC30-Blair	0.97	0.948	0.937
O4 DPEC30-Midway	0.408	0.427	0.426
O4 DPEC30-Troy	1.532	1.545	1.514
O4 WR30-Elwood	1.329	1.315	1.226
O2 WR30-Enterprise City	0.656	0.669	0.671
O4 WR30-Enterprise Industrial Park	0.128	0.125	0.133
O2 WR30-Herington	3.175	3.204	3.172
O4 FSEC30-Baldwin Creek	1.363	1.452	1.34
O4 FSEC30-Banning Corner	0.114	0.114	0.114
O1 FSEC30-Carbondale	3.003	3.067	2.898
O2 FSEC30-Crooked Post	9.174	9.077	8.572
O1 FSEC30-Delia 2	2.32	2.331	2.244
O1 FSEC30-Hoyt	0.001	0.002	0.001
O4 FSEC30-K10 REC	0.109	0.111	0.104
O1 FSEC30-Keene	3.58	3.573	3.258
O1 FSEC30-Kiro	2.804	2.728	2.543
O4 FSEC30-Pauline	0.698	0.674	0.642
O4 FSEC30-Scranton	0.422	0.411	0.387
O2 FSEC30-Stull	4.34	4.361	4.207
O4 FSEC30-Watson	0.957	0.96	0.901
O4 WR30-Mindenmines	0.427	0.43	0.416
O4 WR30-Morrill	0.177	0.172	0.183
O6 WR30-Mulberry	0.383	0.405	0.42
O4 WR30-Muscotah	0.141	0.145	0.144
O1 NMEC30-Baileyville	1.488	1.484	1.453
O4 NMEC30-Frankfort	0.446	0.449	0.45
O2 NMEC30-Goff	1.14	1.13	1.13
O2 NMEC30-Hanover	0.668	0.64	0.622
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0	0
O2 NMEC30-Lone Elm	0.679	0.685	0.661
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	1.147	1.154	1.117
O2 NMEC30-Seneca	2.193	2.159	2.14
O2 NMEC30-Smittyville	1.141	1.07	1.045
O1 NMEC Soldier Creek Aux	0	0	0
O4 WR30-Robinson	0.169	0.174	0.178
O5 WR30-Scranton	0.56	0.637	0.674
O1 WR30-Troy	1.397	1.364	1.385
O4 WR30-Vermillion	0.14	0.144	0.138
O4 WR30-Wathena	1.267	1.277	1.277

0.0307	1,000	977	966
0.0522	429	449	448
0.0522	1,612	1,626	1,593
0.0522	1,398	1,384	1,290
0.0367	680	694	696
0.0522	135	132	140
0.0367	3,291	3,321	3,288
0.0522	1,434	1,528	1,410
0.0522	120	120	120
0.0307	3,095	3,161	2,987
0.0367	9,510	9,410	8,886
0.0307	2,391	2,403	2,313
0.0307	1	2	1
0.0522			
0.0307	3,690	3,683	3,358
0.0307	2,890	2,812	2,621
0.0522	734	709	676
0.0522	444	432	407
0.0367	4,499	4,521	4,361
0.0522	1,007	1,010	948
0.0522	449	452	438
0.0522	186	181	193
0.0583	405	429	444
0.0522	148	153	152
0.0307	1,534	1,530	1,498
0.0522	469	472	473
0.0367			
0.0367	692	663	645
0.0367	0	0	0
0.0307	0	0	0
0.0367	704	710	685
0.0307	0	0	0
0.0367	1,189	1,196	1,158
0.0367	2,273	2,238	2,218
0.0367	1,183	1,109	1,083
0.0307	0	0	0
0.0522	178	183	187
0.0583	593	674	713
0.0307	1,440	1,406	1,428
0.0522	147	152	145
0.0522	1,333	1,344	1,344

November 2021 - Irish Creek Added at O1 LF

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
February 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	FEB 23 @ 0800	FEB 3 @ 1000	FEB 23 @ 1000		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	2,040	1,583	2,039	1,540	3,579
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2176 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	204 0.2	0	0.2	0	0
Total System Load Net	<u>2,035</u>	<u>1,583</u>	<u>2,034</u>	<u>1,539</u>	<u>3,573</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCCo Resources ⁴	132	84	132	84	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	41 *	0 *	41 *	0 *	41
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>176</u>	<u>84</u>	<u>176</u>	<u>84</u>	<u>260</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>1,862</u>	<u>1,499</u>	<u>1,861</u>	<u>1,455</u>	<u>3,316</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
FEB 23 @ 0800	FEB 3 @ 1000

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
	FEB 23 @ 1000	

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	1,862	1,499	1,861	1,455	3,316

V) RETAIL

less: KEPCo					
KEPCo - Westar	115	119	106	117	224
KEPCo - MKEC (WPEK)	50	0	48	0	48
KEPCo - Midwest	10	0	9	0	9
KEPCo - EDE	4	0	4	0	4
KEPCo - KCPL	15	0	16	0	16
less: McPherson	138	0	139	0	139
less: GFR Munis	10	1	10	1	11
less: GFR Coops	44	0	41	0	41
add: KEPCo Resources ⁴	132	84	132	84	215
McPherson Resources	41	0	41	0	41

RETAIL LOAD:	1,649	1,463	1,660	1,420	3,081
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	2,116	1,704	2,115	1,654	3,769
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 12%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

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2) Allocation of KEPCo Resources

a) KEPCo's Resources	Maximum	Proration	Proration
	Capacity (kW)	North	South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	131,514	83,872

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak	South Peak	EKC Peak	EKS Peak	Demand*	North Peak	South Peak	WR Peak	WR Peak
	Metered	Metered	North	South	Loss Factors	Loss Adjusted	Loss Adjusted	Loss Adjusted	Loss Adjusted
	FEB 23 @ 0800	FEB 3 @ 1000	FEB 23 @ 1000	FEB 23 @ 1000	(From Bills)	FEB 23 @ 0800	FEB 3 @ 1000	FEB 23 @ 1000	FEB 23 @ 1000
KEPCo - SECI [fka MKEC]	50		48		1.0512	52.8154	0.0000	50.9569	0.0000
KEPCo - Midwest	10		9		1.0426	10.0163	0.0000	9.8421	0.0000
KEPCo - EDE	4		4		1.0271	3.9615	0.0000	3.8650	0.0000
KEPCo - KCPL	15		16		1.0190	15.7283	0.0000	16.2734	0.0000
						82.5215	0.0000	80.9375	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	41.82	20.082	38.157	20.112	1.0307	43.1039	20.6985	39.3284	20.7294
O10	-0.138	0	-0.127	0	1.0867	-0.1500	0.0000	-0.1380	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	38.434	78.702	35.36	77.685	1.0367	39.8445	81.5904	36.6577	80.5360
O4	34.469	17.092	32.921	16.839	1.0522	36.2683	17.9842	34.6395	17.7180
O5	0	2.461	0	2.388	1.0583	0.0000	2.6045	0.0000	2.5272
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.019	0.336	0.025	0.297	1.0796	0.0205	0.3627	0.0270	0.3206
O9	-0.031	0	-0.02	0	1.0456	-0.0324	0.0000	-0.0209	0.0000
O12	-0.0002	0	-0.0002	0	1.0892	-0.0002	0.0000	-0.0002	0.0000
KEPCo - EKC	114.5728	118.673	106.3158	117.321		119.0546	123.2403	110.4935	121.8313

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak	SPA Cap Credit	North Peak	EKS	South Peak	SPA Cap Credit	Loss
	Metered		Loss Adjusted		Metered		Adjusted
	FEB 23 @ 0800				FEB 3 @ 1000		
Alma (WSPP)	1,848		1,916	Bronson	351		371
Elwood	1,405		1,478	Mindenmines	453		477
Enterprise (City & Indust Park)	785	-112	704	Mulberry	445		471
Herington	3,213		3,331				
Morrill	146		154				
Muscotah	131		138				
Robinson	0		0				
Scranton	169		178				
Troy	602	-92	545				
Vermillion	1,365		1,407		<u>1,249</u>		<u>1,319</u>
Wathena (WSPP)	127		134				
GFR Munis	<u>9,791</u>		<u>9,984</u>				

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak	North Peak	SPA Cap Credit	WR	WR Peak	WR Peak
FEB 23 @ 1000				FEB 23 @ 1000	SPA Cap Credit
Alma	1,918		1,988	Bronson	344
Elwood	1,298		1,366	Mindenmines	462
Enterprise	782	-112	701	Mulberry	397
Herington	3,383		3,507		
Morrill	175		184		
Muscotah	131		138		
Robinson	0		0		
Scranton	157		165		
Troy	580	-92	522		
Vermillion	1,324		1,365		<u>1,203</u>
Wathena	134		141		<u>1,270</u>
GFR Munis	<u>9,882</u>		<u>10,077</u>		

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:
 8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak	SPA Cap Credit	Peak	Demand
	Metered		Loss Adjusted	
	FEB 23 @ 0800		Loss Factors	(From Bills)
Doniphan	3,608	-2,000	1,773	1.848
Free State (Previously Kaw Valley)	31,294	-1,000	31,290	0.327
Nemaha Marshall	8,883	-2,176	5,924	0.615
	<u>43,785</u>		<u>38,987</u>	<u>0.0367</u>

Confirmed w B. St Louis, Capacity Credit should be applied.

WR	Peak	SPA Cap Credit	Peak	Demand
	Metered		Loss Adjusted	
	FEB 23 @ 1000		Loss Factors	(From Bills)
Doniphan	3,171	-2,000	1,317	1.848
Free State (Previously Kaw Valley)	29,305	-1,000	29,266	0.327
Nemaha Marshall	8,066	-2,176	5,182	0.615
	<u>40,542</u>		<u>35,764</u>	<u>0.0522</u>

Confirmed w B. St Louis, Capacity Credit should be applied.

	North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak
	Metered	Metered	Metered		Loss Adjusted	Loss Adjusted	Loss Adjusted
	FEB 23 @ 0800	FEB 3 @ 1000	FEB 23 @ 1000	(From Bills)	FEB 23 @ 0800	FEB 3 @ 1000	FEB 23 @ 1000
O2 WR30-Alma	1.848	1.786	1.918	0.0367	1.916	1.851	1.988
O5 WR30-Bronson	0.327	0.351	0.344	0.0583	346	371	364
O4 DPEC30-Bellevue	0.615	0.595	0.562	0.0522	647	626	591

O1 DPEC30-Blair	1.084	0.961	0.916
O4 DPEC30-Midway	0.401	0.418	0.383
O4 DPEC30-Troy	1.508	1.307	1.31
O4 WR30-Elwood	1.405	1.323	1.298
O2 WR30-Enterprise City	0.656	0.615	0.645
O4 WR30-Enterprise Industrial Park	0.129	0.132	0.137
O2 WR30-Herington	3.213	3.208	3.383
O4 FSEC30-Baldwin Creek	1.482	1.468	1.46
O4 FSEC30-Banning Corner	0.147	0.122	0.147
O1 FSEC30-Carbondale	3.33	3.171	3.145
O2 FSEC30-Crooked Post	9.727	9.039	9.217
O1 FSEC30-Delia 2	0.973	2.24	0.892
O1 FSEC30-Hoyt	1.281	0.001	1.217
O4 FSEC30-K10 REC	0.13	0.101	0.099
O1 FSEC30-Keene	4.103	3.51	3.584
O1 FSEC30-Kiro	3.156	2.769	2.785
O4 FSEC30-Pauline	0.7	0.714	0.699
O4 FSEC30-Scranton	0.453	0.422	0.445
O2 FSEC30-Stull	4.708	4.511	4.631
O4 FSEC30-Watson	1.104	0.996	0.984
O4 WR30-Mindenmines	0.449	0.453	0.462
O4 WR30-Morrill	0.146	0.173	0.175
O6 WR30-Mulberry	0.399	0.445	0.397
O4 WR30-Muscotah	0.131	0.148	0.131
O1 NMEC30-Baileyville	1.583	1.507	1.429
O4 NMEC30-Frankfort	0.399	0.406	0.371
O2 NMEC30-Goff	1.06	1.04	0.96
O2 NMEC30-Hanover	0.715	0.597	0.597
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0	0
O2 NMEC30-Lone Elm	0.697	0.665	0.656
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	1.217	1.11	0.991
O2 NMEC30-Seneca	2.092	2.044	2.012
O1 NMEC30-Snipe Creek	1.12	1	1.05
O1 NMEC Soldier Creek Aux	0	0	0
O4 WR30-Robinson	0.169	0.164	0.157
O5 WR30-Scranton	0.602	0.613	0.58
O1 WR30-Troy	1.365	1.331	1.324
O4 WR30-Vermillion	0.127	0.119	0.134
O4 WR30-Wathena	1.253	1.274	1.228

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1,117	991	944
422	440	403
1,587	1,375	1,378
1,478	1,392	1,366
680	638	669
136	139	144
3,331	3,326	3,507
1,559	1,545	1,536
155	128	155
3,432	3,268	3,242
10,084	9,370	9,555
1,003	2,309	919
1,320	1	1,254
4,229	3,618	3,694
3,253	2,854	2,870
737	751	735
477	444	468
4,881	4,676	4,801
1,162	1,048	1,035
472	477	486
154	182	184
422	471	420
138	156	138
1,632	1,553	1,473
420	427	390
741	619	619
0	0	0
0	0	0
723	689	680
0	0	0
1,262	1,151	1,027
2,169	2,119	2,086
1,154	1,031	1,082
0	0	0
178	173	165
637	649	614
1,407	1,372	1,365
134	125	141
1,318	1,341	1,292

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
March 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	MAR 10 @ 1900	MAR 10 @ 1900	MAR 10 @ 1900		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	1,775	1,459	1,775	1,459	3,234
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2067 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	224 0.2	0	0.2	0	0
Total System Load Net	<u>1,770</u>	<u>1,459</u>	<u>1,770</u>	<u>1,458</u>	<u>3,228</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	134	82	134	82	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>172</u>	<u>82</u>	<u>172</u>	<u>82</u>	<u>254</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>1,601</u>	<u>1,377</u>	<u>1,601</u>	<u>1,376</u>	<u>2,977</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
MAR 10 @ 1900	MAR 10 @ 1900

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
	MAR 10 @ 1900	

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	1,601	1,377	1,601	1,376	2,977

V) RETAIL

less: KEPCo					
KEPCo - Westar	99	105	99	105	204
KEPCo - MKEC (WPEK)	47	0	47	0	47
KEPCo - Midwest	9	0	9	0	9
KEPCo - EDE	3	0	3	0	3
KEPCo - KCPL	15	0	15	0	15
less: McPherson	131	0	131	0	131
less: GFR Munis	8	1	8	1	9
less: GFR Coops	34	0	34	0	34
add: KEPCo Resources ⁴	134	82	134	82	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	1,424	1,353	1,424	1,352	2,775
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	1,883	1,620	1,883	1,619	3,502
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources

	Maximum Capacity (kW)	Proration North	Proration South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	133,723	81,663

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak Metered	South Peak Metered	EKC Peak North	EKS Peak South	Demand* Loss Factors (From Bills)	North Peak Loss Adjusted	South Peak Loss Adjusted	WR Peak Loss Adjusted	WR Peak Loss Adjusted
	MAR 10 @ 1900	MAR 10 @ 1900	MAR 10 @ 1900	MAR 10 @ 1900		MAR 10 @ 1900	MAR 10 @ 1900	MAR 10 @ 1900	MAR 10 @ 1900
KEPCo - SECI [fka MKEC]	47		47		1.0512	49.0437	0.0000	49.0437	0.0000
KEPCo - Midwest	9		9		1.0426	9.4731	0.0000	9.4731	0.0000
KEPCo - EDE	3		3		1.0271	3.0947	0.0000	3.0947	0.0000
KEPCo - KCPL	15		15		1.0190	15.2096	0.0000	15.2096	0.0000
						76.8210	0.0000	76.8210	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	35.845	18.929	35.845	18.929	1.0307	36.9454	19.5101	36.9454	19.5101
O10	-0.099	0	-0.099	0	1.0867	-0.1076	0.0000	-0.1076	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	33.152	69.619	33.152	69.619	1.0367	34.3687	72.1740	34.3687	72.1740
O4	29.98	14.411	29.98	14.411	1.0522	31.5450	15.1633	31.5450	15.1633
O5	0	2.125	0	2.125	1.0583	0.0000	2.2489	0.0000	2.2489
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.009	0.29	0.009	0.29	1.0796	0.0097	0.3131	0.0097	0.3131
O9	-0.017	0	-0.017	0	1.0456	-0.0178	0.0000	-0.0178	0.0000
O12	-0.0001	0	-0.0001	0	1.0892	-0.0001	0.0000	-0.0001	0.0000
KEPCo - EKC	98.8699	105.374	98.8699	105.374		102.7433	109.4094	102.7433	109.4094

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak	SPA Cap Credit	North Peak	EKS	South Peak	SPA Cap Credit	Loss
	Metered		Loss Adjusted		Metered		Adjusted
	MAR 10 @ 1900				MAR 10 @ 1900		
Alma (WSPP)	1,681		1,743	Bronson	284		301
Elwood	1,136		1,195	Mindenmines	356		375
Enterprise (City & Indust Park)	676	-123	580	Mulberry	279		295
Herington	2,772		2,874				
Morrill	141		148				
Muscotah	129		136				
Robinson	0		0				
Scranton	150		158				
Troy	479	-101	406				
Vermillion	1,031		1,063				
Wathena (WSPP)	107		113				
					<u>919</u>		<u>970</u>
GFR Munis	<u>8,302</u>		<u>8,414</u>				

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak	North Peak	SPA Cap Credit	WR	WR Peak	WR Peak
MAR 10 @ 1900	Loss Adjusted		MAR 10 @ 1900	Adjusted	
Alma	1,743		Bronson	284	301
Elwood	1,195		Mindenmines	356	375
Enterprise	580	-123	Mulberry	279	295
Herington	2,874				
Morrill	148				
Muscotah	136				
Robinson	0				
Scranton	158				
Troy	406	-101			
Vermillion	1,063			<u>919</u>	<u>970</u>
Wathena	113				
GFR Munis	<u>8,414</u>				

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:
 8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak	SPA Cap Credit	Peak	Demand
	Metered		Loss Adjusted	
	MAR 10 @ 1900		Loss Factors	(From Bills)
Doniphan	2,875	-2,000	1,007	
Free State (Previously Kaw Valley)	23,821	-1,000	23,566	
Nemaha Marshall	7,653	-2,067	4,444	Confirmed w B. St Louis, Capacity Credit should be applied.
	<u>34,349</u>		<u>29,017</u>	

WR	Peak	SPA Cap Credit	Peak	Demand
	Metered		Loss Adjusted	
	MAR 10 @ 1900		Loss Factors	(From Bills)
Doniphan	2,875	-2,000	1,007	
Free State (Previously Kaw Valley)	23,821	-1,000	23,566	
Nemaha Marshall	7,653	-2,067	4,444	Confirmed w B. St Louis, Capacity Credit should be applied.
	<u>34,349</u>		<u>29,017</u>	

EKC	North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak
	Metered	Metered	Metered		Loss Adjusted	Loss Adjusted	Loss Adjusted
	MAR 10 @ 1900	MAR 10 @ 1900	MAR 10 @ 1900	(From Bills)	MAR 10 @ 1900	MAR 10 @ 1900	MAR 10 @ 1900
O2 WR30-Alma	1.681	1.681	1.681	0.0367	1,743	1,743	1,743
O5 WR30-Bronson	0.284	0.284	0.284	0.0583	301	301	301
O4 DPEC30-Bellevue	0.551	0.551	0.551	0.0522	580	580	580

O1 DPEC30-Blair	0.839	0.839	0.839
O4 DPEC30-Midway	0.34	0.34	0.34
O4 DPEC30-Troy	1.145	1.145	1.145
O4 WR30-Elwood	1.136	1.136	1.136
O2 WR30-Enterprise City	0.549	0.549	0.549
O4 WR30-Enterprise Industrial Park	0.127	0.127	0.127
O2 WR30-Herington	2.772	2.772	2.772
O4 FSEC30-Baldwin Creek	1.207	1.207	1.207
O4 FSEC30-Banning Corner	0.107	0.107	0.107
O1 FSEC30-Carbondale	2.474	2.474	2.474
O2 FSEC30-Crooked Post	7.399	7.399	7.399
O1 FSEC30-Delia 2	0.867	0.867	0.867
O1 FSEC30-Hoyt	1.103	1.103	1.103
O4 FSEC30-K10 REC	0.112	0.112	0.112
O1 FSEC30-Keene	2.857	2.857	2.857
O1 FSEC30-Kiro	2.468	2.468	2.468
O4 FSEC30-Pauline	0.489	0.489	0.489
O4 FSEC30-Scranton	0.353	0.353	0.353
O2 FSEC30-Stull	3.6	3.6	3.6
O4 FSEC30-Watson	0.785	0.785	0.785
O4 WR30-Mindenmines	0.356	0.356	0.356
O4 WR30-Morrill	0.141	0.141	0.141
O6 WR30-Mulberry	0.279	0.279	0.279
O4 WR30-Muscotah	0.129	0.129	0.129
O1 NMEC30-Baileyville	0	0	0
O4 NMEC30-Frankfort	0.517	0.517	0.517
O2 NMEC30-Goff	1.38	1.38	1.38
O2 NMEC30-Hanover	0.559	0.559	0.559
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0	0
O2 NMEC30-Lone Elm	0.589	0.589	0.589
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	1.035	1.035	1.035
O2 NMEC30-Seneca	2.613	2.613	2.613
O1 NMEC30-Snipe Creek	0.96	0.96	0.96
O1 NMEC Soldier Creek Aux	0	0	0
O4 WR30-Robinson	0.15	0.15	0.15
O5 WR30-Scranton	0.479	0.479	0.479
O1 WR30-Troy	1.031	1.031	1.031
O4 WR30-Vermillion	0.107	0.107	0.107
O4 WR30-Wathena	1.081	1.081	1.081

0.0307	865	865	865
0.0522	358	358	358
0.0522	1,205	1,205	1,205
0.0522	1,195	1,195	1,195
0.0367	569	569	569
0.0522	134	134	134
0.0367	2,874	2,874	2,874
0.0522	1,270	1,270	1,270
0.0522	113	113	113
0.0307	2,550	2,550	2,550
0.0367	7,670	7,670	7,670
0.0307	894	894	894
0.0307	1,137	1,137	1,137
0.0522			
0.0307	2,945	2,945	2,945
0.0307	2,544	2,544	2,544
0.0522	515	515	515
0.0522	371	371	371
0.0367	3,732	3,732	3,732
0.0522	826	826	826
0.0522	375	375	375
0.0522	148	148	148
0.0583	295	295	295
0.0522	136	136	136
0.0307	0	0	0
0.0522	544	544	544
0.0367			
0.0367	579	579	579
0.0367	0	0	0
0.0307	0	0	0
0.0367	611	611	611
0.0307	0	0	0
0.0367	1,073	1,073	1,073
0.0367	2,709	2,709	2,709
0.0367	995	995	995
0.0307	0	0	0
0.0522	158	158	158
0.0583	507	507	507
0.0307	1,063	1,063	1,063
0.0522	113	113	113
0.0522	1,137	1,137	1,137

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
April 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	April 12 @ 1900	April 29 @ 1700	April 29 @ 1700		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	1,628	1,534	1,613	1,534	3,147
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2118 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	219 0.2	0	0.2	0	0
Total System Load Net	<u>1,623</u>	<u>1,534</u>	<u>1,608</u>	<u>1,533</u>	<u>3,141</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	139	76	139	76	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>178</u>	<u>76</u>	<u>178</u>	<u>76</u>	<u>254</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>1,448</u>	<u>1,458</u>	<u>1,433</u>	<u>1,457</u>	<u>2,890</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
April 12 @ 1900	April 29 @ 1700

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
	April 29 @ 1700	

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	1,448	1,458	1,433	1,457	2,890

V) RETAIL

less: KEPCo					
KEPCo - Westar	65	69	59	69	129
KEPCo - MKEC (WPEK)	39	0	46	0	46
KEPCo - Midwest	8	0	11	0	11
KEPCo - EDE	2	0	1	0	1
KEPCo - KCPL	9	0	8	0	8
less: McPherson	129	0	141	0	141
less: GFR Munis	7	1	7	1	7
less: GFR Coops	27	0	21	0	21
add: KEPCo Resources ⁴	139	76	139	76	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	1,338	1,464	1,313	1,463	2,776
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	1,704	1,715	1,686	1,714	3,400
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources	Maximum	Proration	Proration
	Capacity (kW)	North	South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	138,963	76,423

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak	South Peak	EKC Peak	EKS Peak	Demand*	North Peak	South Peak	WR Peak	WR Peak
	Metered	Metered	North	South	Loss Factors	Loss Adjusted	Loss Adjusted	Loss Adjusted	Loss Adjusted
	April 12 @ 1900	April 29 @ 1700	April 29 @ 1700	April 29 @ 1700	(From Bills)	April 12 @ 1900	April 29 @ 1700	April 29 @ 1700	April 29 @ 1700
KEPCo - SECI [fka MKEC]	39		46		1.0512	40.5858	0.0000	48.1912	0.0000
KEPCo - Midwest	8		11		1.0426	8.3721	0.0000	11.4373	0.0000
KEPCo - EDE	2		1		1.0271	1.7204	0.0000	1.4523	0.0000
KEPCo - KCPL	9		8		1.0190	9.2790	0.0000	8.5647	0.0000
						59.9573	0.0000	69.6455	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	21.895	12.285	18.334	12.285	1.0307	22.5672	12.6621	18.8969	12.6621
O10	-0.032	0	-0.047	0	1.0867	-0.0348	0.0000	-0.0511	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	22.636	44.593	22.521	44.593	1.0367	23.4667	46.2296	23.3475	46.2296
O4	20.3	10.926	18.539	10.926	1.0522	21.3597	11.4963	19.5067	11.4963
O5	0	1.149	0	1.149	1.0583	0.0000	1.2160	0.0000	1.2160
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.005	0.34	0.026	0.34	1.0796	0.0054	0.3671	0.0281	0.3671
O9	0	0	-0.007	0	1.0456	0.0000	0.0000	-0.0073	0.0000
O12	-0.0003	0	-0.0003	0	1.0892	-0.0003	0.0000	-0.0003	0.0000
KEPCo - EKC	64.8037	69.293	59.3657	69.293		67.3639	71.9711	61.7205	71.9711

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak	SPA Cap Credit	North Peak	EKS	South Peak	SPA Cap Credit	Loss
	Metered		Loss Adjusted		Metered		Adjusted
	April 12 @ 1900				April 29 @ 1700		
Alma (WSPP)	1,894		1,963	Bronson	173		183
Elwood	676		711	Mindenmines	164		173
Enterprise (City & Indust Park)	712	-122	618	Mulberry	201		213
Herington	2,321		2,406				
Morrill	111		117				
Muscotah	104		109				
Robinson	0		0				
Scranton	117		123				
Troy	421	-97	349				
Vermillion	733		756				
Wathena (WSPP)	82		86				
					<u>538</u>		<u>568</u>
GFR Munis	<u>7,171</u>		<u>7,238</u>				

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak	North Peak	SPA Cap Credit	WR	WR Peak	WR Peak
April 29 @ 1700	Loss Adjusted			April 29 @ 1700	Loss Adjusted
Alma	1,783		Bronson	173	183
Elwood	514		Mindenmines	164	173
Enterprise	691	-122	Mulberry	201	213
Herington	2,513				
Morrill	115				
Muscotah	85				
Robinson	0				
Scranton	92				
Troy	349	-97			
Vermillion	599				
Wathena	67				
				<u>538</u>	<u>568</u>
GFR Munis	<u>6,808</u>				<u>6,858</u>

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:
 8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak	SPA Cap Credit	Peak	WR	Peak
	Metered		Loss Adjusted		
	April 12 @ 1900		Loss Adjusted	April 29 @ 1700	Loss Adjusted
Doniphan	1,878	-2,000	-35	1,574	-352
Free State (Previously Kaw Valley)	18,959	-1,000	18,493	14,753	14,165
Nemaha Marshall	5,740	-2,118	2,748	4,679	1,794
	<u>26,577</u>		<u>21,205</u>	<u>21,006</u>	<u>15,607</u>

Confirmed w B. St Louis, Capacity Credit should be applied.

EKC	North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak
	Metered	Metered	Metered		Loss Factors	Loss Adjusted	Loss Adjusted
	April 12 @ 1900	April 29 @ 1700	April 29 @ 1700	(From Bills)	April 12 @ 1900	April 29 @ 1700	April 29 @ 1700
O2 WR30-Alma	1.894	1.783	1.783	0.0367	1,963	1,848	1,848
O5 WR30-Bronson	0.174	0.173	0.173	0.0583	184	183	183
O4 DPEC30-Belleuve	0.275	0.367	0.367	0.0522	289	386	386

O1 DPEC30-Blair	0.52	0.389	0.389
O4 DPEC30-Midway	0.254	0.2	0.2
O4 DPEC30-Troy	0.829	0.618	0.618
O4 WR30-Elwood	0.676	0.514	0.514
O2 WR30-Enterprise City	0.591	0.573	0.573
O4 WR30-Enterprise Industrial Park	0.121	0.118	0.118
O2 WR30-Herington	2.321	2.513	2.513
O4 FSEC30-Baldwin Creek	0.929	0.831	0.831
O4 FSEC30-Banning Corner	0.132	0.113	0.113
O1 FSEC30-Carbondale	1.47	1.234	1.234
O2 FSEC30-Crooked Post	6.348	5.656	5.656
O1 FSEC30-Delia 2	2.305	0.515	0.515
O1 FSEC30-Hoyt	0.82	0.644	0.644
O4 FSEC30-K10 REC	0.143	0.122	0.122
O1 FSEC30-Keene	1.672	1.476	1.476
O1 FSEC30-Kiro	1.792	1.439	1.439
O4 FSEC30-Pauline	0.406	0.329	0.329
O4 FSEC30-Scranton	0.251	0.193	0.193
O2 FSEC30-Stull	2.163	1.775	1.775
O4 FSEC30-Watson	0.528	0.426	0.426
O4 WR30-Mindenmines	0.205	0.164	0.164
O4 WR30-Morrill	0.111	0.115	0.115
O6 WR30-Mulberry	0.226	0.201	0.201
O4 WR30-Muscotah	0.104	0.085	0.085
O1 NMEC30-Baileyville	0	0	0
O4 NMEC30-Frankfort	0.359	0.313	0.313
O2 NMEC30-Goff	1.05	0.91	0.91
O2 NMEC30-Hanover	0.354	0.336	0.336
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0	0
O2 NMEC30-Lone Elm	0.422	0.354	0.354
O1 NMEC30-Marshall Co Aux	0.34	0	0
O2 NMEC30-Marysville	0.689	0.606	0.606
O2 NMEC30-Seneca	1.836	1.59	1.59
O1 NMEC30-Snipe Creek	0.69	0.57	0.57
O1 NMEC30-Soldier Creek Aux	0	0	0
O4 WR30-Robinson	0.117	0.092	0.092
O5 WR30-Scranton	0.421	0.349	0.349
O1 WR30-Troy	0.733	0.599	0.599
O4 WR30-Vermillion	0.082	0.067	0.067
O4 WR30-Wathena	0.935	0.813	0.813

0.0307	536	401	401
0.0522	267	210	210
0.0522	872	650	650
0.0522	711	541	541
0.0367	613	594	594
0.0522	127	124	124
0.0367	2,406	2,605	2,605
0.0522	977	874	874
0.0522	139	119	119
0.0307	1,515	1,272	1,272
0.0367	6,581	5,863	5,863
0.0307	2,376	531	531
0.0307	845	664	664
0.0522			
0.0307	1,723	1,521	1,521
0.0307	1,847	1,483	1,483
0.0522	427	346	346
0.0522	264	203	203
0.0367	2,242	1,840	1,840
0.0522	556	448	448
0.0522	216	173	173
0.0522	117	121	121
0.0583	239	213	213
0.0522	109	89	89
0.0307	0	0	0
0.0522	378	329	329
0.0367			
0.0367	367	348	348
0.0367	0	0	0
0.0307	0	0	0
0.0367	437	367	367
0.0307	350	0	0
0.0367	714	628	628
0.0367	1,903	1,648	1,648
0.0367	715	591	591
0.0307	0	0	0
0.0522	123	97	97
0.0583	446	369	369
0.0307	756	617	617
0.0522	86	70	70
0.0522	984	855	855

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
May 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	MAY 10 @ 1800	MAY 10 @ 1700	MAY 10 @ 1700		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	2,468	2,047	2,462	2,047	4,509
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2049 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	206 0.2	0	0.2	0	0
Total System Load Net	<u>2,463</u>	<u>2,047</u>	<u>2,457</u>	<u>2,046</u>	<u>4,503</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	133	82	133	82	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>172</u>	<u>82</u>	<u>172</u>	<u>82</u>	<u>254</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>2,294</u>	<u>1,965</u>	<u>2,288</u>	<u>1,964</u>	<u>4,252</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
MAY 10 @ 1800	MAY 10 @ 1700

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
	MAY 10 @ 1700	

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	2,294	1,965	2,288	1,964	4,252

V) RETAIL

less: KEPCo					
KEPCo - Westar	110	110	104	110	215
KEPCo - MKEC (WPEK)	50	0	49	0	49
KEPCo - Midwest	13	0	13	0	13
KEPCo - EDE	3	0	3	0	3
KEPCo - KCPL	11	0	10	0	10
less: McPherson	154	0	153	0	153
less: GFR Munis	13	1	13	1	14
less: GFR Coops	43	0	41	0	41
add: KEPCo Resources ⁴	133	82	133	82	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	2,066	1,936	2,071	1,935	4,006
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	2,699	2,312	2,692	2,311	5,002
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources	Maximum	Proration	Proration
	Capacity (kW)	North	South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	133,362	82,024

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak	South Peak	EKC Peak	EKS Peak	Demand*	North Peak	South Peak	WR Peak	WR Peak
	Metered	Metered	North	South	Loss Factors	Loss Adjusted	Loss Adjusted	Loss Adjusted	Loss Adjusted
	MAY 10 @ 1800	MAY 10 @ 1700	MAY 10 @ 1700	MAY 10 @ 1700	(From Bills)	MAY 10 @ 1800	MAY 10 @ 1700	MAY 10 @ 1700	MAY 10 @ 1700
KEPCo - SECI [fka MKEC]	50		49		1.0512	52.9037	0.0000	51.8136	0.0000
KEPCo - Midwest	13		13		1.0426	13.3025	0.0000	13.1190	0.0000
KEPCo - EDE	3		3		1.0271	2.7927	0.0000	2.6417	0.0000
KEPCo - KCPL	11		10		1.0190	10.9074	0.0000	10.4998	0.0000
						79.9063	0.0000	78.0742	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	36.28	19.781	34.24	19.781	1.0307	37.3938	20.3883	35.2912	20.3883
O10	-0.058	0	-0.059	0	1.0867	-0.0630	0.0000	-0.0641	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	38.511	70.474	36.916	70.474	1.0367	39.9244	73.0604	38.2708	73.0604
O4	35.118	17.732	33.262	17.732	1.0522	36.9512	18.6576	34.9983	18.6576
O5	0	1.803	0	1.803	1.0583	0.0000	1.9081	0.0000	1.9081
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.02	0.372	0.04	0.372	1.0796	0.0216	0.4016	0.0432	0.4016
O9	-0.043	0	-0.036	0	1.0456	-0.0450	0.0000	-0.0376	0.0000
O12	-0.0003	0	-0.0003	0	1.0892	-0.0003	0.0000	-0.0003	0.0000
KEPCo - EKC	109.8277	110.162	104.3627	110.162		114.1826	114.4160	108.5014	114.4160

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak	SPA Cap Credit	North Peak	EKS	South Peak	SPA Cap Credit	Loss
	Metered		Loss Adjusted		Metered		Adjusted
	MAY 10 @ 1800				MAY 10 @ 1700		
Alma (WSPP)	2,748		2,849	Bronson	330		349
Elwood	1,625		1,710	Mindenmines	308		324
Enterprise (City & Indust Park)	431	-115	334	Mulberry	399		422
Herington	4,666		4,837				
Morrill	277		291				
Muscotah	211		222				
Robinson	0		0				
Scranton	224		236				
Troy	874	-91	834				
Vermillion	1,597		1,646		<u>1,037</u>		<u>1,096</u>
Wathena (WSPP)	148		156				
GFR Munis	<u>12,801</u>		<u>13,114</u>				

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

EKC	WR Peak	SPA Cap Credit	North Peak	WR	WR Peak	SPA Cap Credit	WR Peak
	Metered		Loss Adjusted		Metered		Loss
	MAY 10 @ 1700				MAY 10 @ 1700		Adjusted
Alma	2,744		2,845	Bronson	330		349
Elwood	1,603		1,687	Mindenmines	308		324
Enterprise	434	-115	337	Mulberry	399		422
Herington	4,635		4,805				
Morrill	259		273				
Muscotah	197		207				
Robinson	0		0				
Scranton	212		223				
Troy	846	-91	804				
Vermillion	1,598		1,647		<u>1,037</u>		<u>1,096</u>
Wathena	133		140				
GFR Munis	<u>12,661</u>		<u>12,968</u>				

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:
 8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak	SPA Cap Credit	Peak	Demand	Peak	Peak	Peak
	Metered		Loss Adjusted		Loss Factors		Loss Adjusted
	MAY 10 @ 1800			(From Bills)	MAY 10 @ 1800	MAY 10 @ 1700	MAY 10 @ 1700
Doniphan	3,471	-2,000	1,629		2,849	2,845	2,845
Free State (Previously Kaw Valley)	30,791	-1,000	30,675		350	349	349
Nemaha Marshall	8,981	-2,049	6,008	0.0367	571	560	560
	<u>43,243</u>		<u>38,313</u>				

Confirmed w B. St Louis, Capacity Credit should be applied.

WR	Peak	SPA Cap Credit	Peak	Demand	Peak	Peak	Peak
	Metered		Loss Adjusted		Loss Factors		Loss Adjusted
	MAY 10 @ 1700			(From Bills)	MAY 10 @ 1800	MAY 10 @ 1700	MAY 10 @ 1700
Doniphan	3,307	-2,000	1,457		2,849	2,845	2,845
Free State (Previously Kaw Valley)	29,191	-1,000	29,024		350	349	349
Nemaha Marshall	8,454	-2,049	5,482	0.0583	571	560	560
	<u>40,952</u>		<u>35,964</u>				

Confirmed w B. St Louis, Capacity Credit should be applied.

EKC	North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak
	Metered	Metered	Metered		Loss Adjusted	Loss Adjusted	Loss Adjusted
	MAY 10 @ 1800	MAY 10 @ 1700	MAY 10 @ 1700	(From Bills)	MAY 10 @ 1800	MAY 10 @ 1700	MAY 10 @ 1700
O2 WR30-Alma	2.748	2.744	2.744	0.0367	2,849	2,845	2,845
O5 WR30-Bronson	0.331	0.33	0.33	0.0583	350	349	349
O4 DPEC30-Belleuve	0.543	0.532	0.532	0.0522	571	560	560

O1 DPEC30-Blair	1.083	1.034	1.034
O4 DPEC30-Midway	0.408	0.395	0.395
O4 DPEC30-Troy	1.437	1.346	1.346
O4 WR30-Elwood	1.625	1.603	1.603
O2 WR30-Enterprise City	0.301	0.296	0.296
O4 WR30-Enterprise Industrial Park	0.13	0.138	0.138
O2 WR30-Herington	4.666	4.635	4.635
O4 FSEC30-Baldwin Creek	1.367	1.32	1.32
O4 FSEC30-Banning Corner	0.126	0.126	0.126
O1 FSEC30-Carbondale	3.053	2.832	2.832
O2 FSEC30-Crooked Post	11.169	10.464	10.464
O1 FSEC30-Delia 2	1.232	1.179	1.179
O1 FSEC30-Hoyt	1.338	1.286	1.286
O4 FSEC30-K10 REC	0.222	0.215	0.215
O1 FSEC30-Keene	3.01	2.977	2.977
O1 FSEC30-Kiro	3.225	3.078	3.078
O4 FSEC30-Pauline	0.583	0.562	0.562
O4 FSEC30-Scranton	0.465	0.439	0.439
O2 FSEC30-Stull	3.933	3.723	3.723
O4 FSEC30-Watson	1.068	0.99	0.99
O4 WR30-Mindenmines	0.307	0.308	0.308
O4 WR30-Morrill	0.277	0.259	0.259
O6 WR30-Mulberry	0.414	0.399	0.399
O4 WR30-Muscotah	0.211	0.197	0.197
O1 NMEC30-Baileyville	0.692	0.663	0.663
O4 NMEC30-Frankfort	0.358	0.326	0.326
O2 NMEC30-Goff	1.21	1.19	1.19
O2 NMEC30-Hanover	0.608	0.556	0.556
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0	0
O2 NMEC30-Lone Elm	0.76	0.699	0.699
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	1.249	1.141	1.141
O2 NMEC30-Seneca	2.944	2.799	2.799
O1 NMEC30-Snipe Creek	1.16	1.08	1.08
O1 NMEC Soldier Creek Aux	0	0	0
O4 WR30-Robinson	0.224	0.212	0.212
O5 WR30-Scranton	0.874	0.846	0.846
O1 WR30-Troy	1.597	1.598	1.598
O4 WR30-Vermillion	0.148	0.133	0.133
O4 WR30-Wathena	2.057	2.01	2.01

0.0307	1,116	1,066	1,066
0.0522	429	416	416
0.0522	1,512	1,416	1,416
0.0522	1,710	1,687	1,687
0.0367	312	307	307
0.0522	137	145	145
0.0367	4,837	4,805	4,805
0.0522	1,438	1,389	1,389
0.0522	133	133	133
0.0307	3,147	2,919	2,919
0.0367	11,579	10,848	10,848
0.0307	1,270	1,215	1,215
0.0307	1,379	1,325	1,325
0.0522			
0.0307	3,102	3,068	3,068
0.0307	3,324	3,172	3,172
0.0522	613	591	591
0.0522	489	462	462
0.0367	4,077	3,860	3,860
0.0522	1,124	1,042	1,042
0.0522	323	324	324
0.0522	291	273	273
0.0583	438	422	422
0.0522	222	207	207
0.0307	713	683	683
0.0522	377	343	343
0.0367			
0.0367	630	576	576
0.0367	0	0	0
0.0307	0	0	0
0.0367	788	725	725
0.0307	0	0	0
0.0367	1,295	1,183	1,183
0.0367	3,052	2,902	2,902
0.0367	1,203	1,120	1,120
0.0307	0	0	0
0.0522	236	223	223
0.0583	925	895	895
0.0307	1,646	1,647	1,647
0.0522	156	140	140
0.0522	2,164	2,115	2,115

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
June 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	June 16 @ 1800	June 16 @ 1700	June 16 @ 1700		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	2,771	2,325	2,768	2,325	5,093
less: FreeState, SPA Resources ¹	1000	1	1	0	1
Nemaha, SPA Resources ¹	2259	2	2	0	2
Doniphan, SPA Resources	2000	2	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	248	0.2	0.2	0	0
Total System Load Net	<u>2,765</u>	<u>2,325</u>	<u>2,762</u>	<u>2,324</u>	<u>5,086</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	133	82	133	82	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>172</u>	<u>82</u>	<u>172</u>	<u>82</u>	<u>254</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>4</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>4</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>2,597</u>	<u>2,243</u>	<u>2,594</u>	<u>2,242</u>	<u>4,836</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
June 16 @ 1800	June 16 @ 1700

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
	June 16 @ 1700	

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	2,597	2,243	2,594	2,242	4,836

V) RETAIL

less: KEPCo					
KEPCo - Westar	125	126	121	126	247
KEPCo - MKEC (WPEK)	55	0	54	0	54
KEPCo - Midwest	13	0	12	0	12
KEPCo - EDE	3	0	3	0	3
KEPCo - KCPL	14	0	14	0	14
less: McPherson	160	0	163	0	163
less: GFR Munis	11	2	10	2	12
less: GFR Coops	52	0	49	0	49
add: KEPCo Resources ⁴	133	82	133	82	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	2,333	2,198	2,336	2,197	4,532
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	3,055	2,639	3,052	2,638	5,689
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources	Maximum	Proration	Proration
	Capacity (kW)	North	South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	133,289	82,097

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak	South Peak	EKC Peak	EKS Peak	Demand*	North Peak	South Peak	WR Peak	WR Peak
	Metered	Metered	North	South	Loss Factors	Loss Adjusted	Loss Adjusted	Loss Adjusted	Loss Adjusted
	June 16 @ 1800	June 16 @ 1700	June 16 @ 1700	June 16 @ 1700	(From Bills)	June 16 @ 1800	June 16 @ 1700	June 16 @ 1700	June 16 @ 1700
KEPCo - SECI [fka MKEC]	55		54		1.0512	57.9695	0.0000	57.2473	0.0000
KEPCo - Midwest	13		12		1.0426	13.3474	0.0000	12.7833	0.0000
KEPCo - EDE	3		3		1.0271	2.9909	0.0000	2.8718	0.0000
KEPCo - KCPL	14		14		1.0190	14.0500	0.0000	13.9929	0.0000
						88.3577	0.0000	86.8953	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	37.004	22.498	35.342	22.498	1.0307	38.1400	23.1887	36.4270	23.1887
O10	-0.108	0	-0.093	0	1.0867	-0.1174	0.0000	-0.1011	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	47.538	81.086	46.581	81.086	1.0367	49.2826	84.0619	48.2905	84.0619
O4	40.757	19.837	39.437	19.837	1.0522	42.8845	20.8725	41.4956	20.8725
O5	0	2.169	0	2.169	1.0583	0.0000	2.2955	0.0000	2.2955
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.037	0.366	0.048	0.366	1.0796	0.0399	0.3951	0.0518	0.3951
O9	-0.068	0	-0.065	0	1.0456	-0.0711	0.0000	-0.0680	0.0000
O12	-0.0003	0	-0.0003	0	1.0892	-0.0003	0.0000	-0.0003	0.0000
KEPCo - EKC	125.1597	125.956	121.2497	125.956		130.1583	130.8136	126.0956	130.8136

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak	SPA Cap Credit	North Peak	EKS	South Peak	SPA Cap Credit	Loss
	Metered		Loss Adjusted		Metered		Adjusted
	June 16 @ 1800				June 16 @ 1700		
Alma (WSPP)	3,069		3,182	Bronson	445		471
Elwood	1,939		2,040	Mindenmines	455		479
Enterprise (City & Indust Park)	1,316	-138	1,228	Mulberry	616		652
Herington	0		0				
Morrill	326		343				
Muscotah	267		281				
Robinson	526		542				
Scranton	277		291				
Troy	1,012	-110	961				
Vermillion	1,884		1,942		<u>1,516</u>		<u>1,602</u>
Wathena (WSPP)	163		172				
GFR Munis	<u>10,779</u>		<u>10,982</u>				

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak	North Peak	SPA Cap Credit	WR Peak	WR Peak
June 16 @ 1700	Loss Adjusted		June 16 @ 1700	Adjusted
Alma	3,166		445	471
Elwood	2,027		455	479
Enterprise	1,223	-138	616	652
Herington	0			
Morrill	335			
Muscotah	284			
Robinson	0			
Scranton	275			
Troy	924	-110		
Vermillion	1,933		<u>1,516</u>	<u>1,602</u>
Wathena	154			
GFR Munis	<u>10,319</u>			

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:
 8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak	SPA Cap Credit	Peak	WR Peak	Demand
	Metered		Loss Adjusted		
	June 16 @ 1800		Loss Adjusted	June 16 @ 1700	(From Bills)
Doniphan	4,228	-2,000	2,419	3,054	0.0367
Free State (Previously Kaw Valley)	36,505	-1,000	36,549	0.445	0.0583
Nemaha Marshall	11,587	-2,259	8,368	0.445	0.0522
	<u>52,320</u>		<u>47,336</u>		
WR	June 16 @ 1700				
Doniphan	4,099	-2,000	2,284	3,054	0.0367
Free State (Previously Kaw Valley)	35,090	-1,000	35,101	0.445	0.0583
Nemaha Marshall	9,786	-2,259	6,540	0.445	0.0522
	<u>48,975</u>		<u>43,925</u>		

Confirmed w B. St Louis, Capacity Credit should be applied.

EKC	North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak
	Metered	Metered	Metered		Loss Factors	Loss Adjusted	Loss Adjusted
	June 16 @ 1800	June 16 @ 1700	June 16 @ 1700	(From Bills)	June 16 @ 1800	June 16 @ 1700	June 16 @ 1700
O2 WR30-Alma	3.069	3.054	3.054	0.0367	3,182	3,166	3,166
O5 WR30-Bronson	0.447	0.445	0.445	0.0583	473	471	471
O4 DPEC30-Belleuve	0.557	0.537	0.537	0.0522	586	565	565

O1 DPEC30-Blair	1.373	1.353	1.353
O4 DPEC30-Midway	0.5	0.485	0.485
O4 DPEC30-Troy	1.798	1.724	1.724
O4 WR30-Elwood	1.939	1.926	1.926
O2 WR30-Enterprise City	1.173	1.161	1.161
O4 WR30-Enterprise Industrial Park	0.143	0.15	0.15
O2 WR30-Herington			
O4 FSEC30-Baldwin Creek	1.617	1.593	1.593
O4 FSEC30-Banning Corner	0.132	0.132	0.132
O1 FSEC30-Carbondale	3.776	3.59	3.59
O2 FSEC30-Crooked Post	12.807	12.225	12.225
O1 FSEC30-Delia 2	1.45	1.415	1.415
O1 FSEC30-Hoyt	1.516	1.521	1.521
O4 FSEC30-K10 REC	0.265	0.247	0.247
O1 FSEC30-Keene	3.724	3.564	3.564
O1 FSEC30-Kiro	3.879	3.817	3.817
O4 FSEC30-Pauline	0.641	0.632	0.632
O4 FSEC30-Scranton	0.575	0.551	0.551
O2 FSEC30-Stull	4.872	4.63	4.63
O4 FSEC30-Watson	1.251	1.173	1.173
O4 WR30-Mindenmines	0.451	0.455	0.455
O4 WR30-Morrill	0.326	0.318	0.318
O6 WR30-Mulberry	0.602	0.616	0.616
O4 WR30-Muscotah	0.267	0.27	0.27
O1 NMEC30-Baileyville	0.862	0.797	0.797
O4 NMEC30-Frankfort	0.45	0.447	0.447
O2 NMEC30-Goff	1.33	1.3	1.3
O2 NMEC30-Hanover	0.751	0.675	0.675
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0.802	0	0
O2 NMEC30-Lone Elm	0.778	0.737	0.737
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	1.415	1.337	1.337
O2 NMEC30-Seneca	3.383	3.303	3.303
O1 NMEC30-Snipe Creek	1.29	1.19	1.19
O1 NMEC Soldier Creek Aux	0.526	0	0
O4 WR30-Robinson	0.277	0.261	0.261
O5 WR30-Scranton	1.012	0.977	0.977
O1 WR30-Troy	1.884	1.875	1.875
O4 WR30-Vermillion	0.163	0.146	0.146
O4 WR30-Wathena	2.442	2.392	2.392

0.0307	1,415	1,395	1,395
0.0522	526	510	510
0.0522	1,892	1,814	1,814
0.0522	2,040	2,027	2,027
0.0367	1,216	1,204	1,204
0.0522	150	158	158
0.0367	0	0	0
0.0522	1,701	1,676	1,676
0.0522	139	139	139
0.0307	3,892	3,700	3,700
0.0367	13,277	12,673	12,673
0.0307	1,495	1,458	1,458
0.0307	1,563	1,568	1,568
0.0522			
0.0307	3,838	3,673	3,673
0.0307	3,998	3,934	3,934
0.0522	674	665	665
0.0522	605	580	580
0.0367	5,051	4,800	4,800
0.0522	1,316	1,234	1,234
0.0522	475	479	479
0.0522	343	335	335
0.0583	637	652	652
0.0522	281	284	284
0.0307	888	821	821
0.0522	473	470	470
0.0367			
0.0367	779	700	700
0.0367	0	0	0
0.0307	827	0	0
0.0367	807	764	764
0.0307	0	0	0
0.0367	1,467	1,386	1,386
0.0367	3,507	3,424	3,424
0.0367	1,337	1,234	1,234
0.0307	542	0	0
0.0522	291	275	275
0.0583	1,071	1,034	1,034
0.0307	1,942	1,933	1,933
0.0522	172	154	154
0.0522	2,569	2,517	2,517

Herington moved to KMEA effective 6/1/2022

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smitlyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
July 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	July 23 @ 1800	July 26 @ 1700	July 22 @ 1700		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	2,833	2,412	2,821	2,305	5,126
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2354 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	266 0.3	0	0.3	0	0
Total System Load Net	<u>2,827</u>	<u>2,412</u>	<u>2,815</u>	<u>2,304</u>	<u>5,119</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	131	84	131	84	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.3	0	0.3	0	0
Total Firm Purchases	<u>170</u>	<u>84</u>	<u>170</u>	<u>84</u>	<u>254</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.3	0	0.3	0	0
Total Firm Sales	<u>4</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>4</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>2,661</u>	<u>2,328</u>	<u>2,649</u>	<u>2,220</u>	<u>4,869</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
July 23 @ 1800	July 26 @ 1700

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
	July 22 @ 1700	

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	2,661	2,328	2,649	2,220	4,869

V) RETAIL

less: KEPCo					
KEPCo - Westar	146	151	127	138	264
KEPCo - MKEC (WPEK)	69	0	57	0	57
KEPCo - Midwest	23	0	14	0	14
KEPCo - EDE	4	0	3	0	3
KEPCo - KCPL	17	0	15	0	15
less: McPherson	152	0	160	0	160
less: GFR Munis	10	2	10	2	12
less: GFR Coops	58	0	53	0	53
add: KEPCo Resources ⁴	131	84	131	84	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	2,349	2,260	2,377	2,165	4,542
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	3,130	2,739	3,116	2,612	5,728
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources	Maximum	Proration	Proration
	Capacity (kW)	North	South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	131,231	84,155

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak	South Peak	EKC Peak	EKS Peak	Demand*	North Peak	South Peak	WR Peak	WR Peak
	Metered	Metered	North	South	Loss Factors	Loss Adjusted	Loss Adjusted	Loss Adjusted	Loss Adjusted
	July 23 @ 1800	July 26 @ 1700	July 22 @ 1700	July 22 @ 1700	(From Bills)	July 23 @ 1800	July 26 @ 1700	July 22 @ 1700	July 22 @ 1700
KEPCo - SECI [fka MKEC]	69		57		1.0512	72.9354	0.0000	59.4096	0.0000
KEPCo - Midwest	23		14		1.0426	23.6274	0.0000	14.0845	0.0000
KEPCo - EDE	4		3		1.0271	3.7571	0.0000	3.4089	0.0000
KEPCo - KCPL	17		15		1.0190	17.2150	0.0000	15.1505	0.0000
						117.5349	0.0000	92.0535	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	41.609	27.706	36.838	24.626	1.0307	42.8864	28.5566	37.9689	25.3820
O10	-0.087	0	-0.079	0	1.0867	-0.0945	0.0000	-0.0858	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	57.187	97.575	48.103	89.29	1.0367	59.2858	101.1560	49.8684	92.5669
O4	46.88	22.148	41.781	20.918	1.0522	49.3271	23.3041	43.9620	22.0099
O5	0	2.884	0	2.398	1.0583	0.0000	3.0521	0.0000	2.5378
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.014	0.473	0.038	0.502	1.0796	0.0151	0.5107	0.0410	0.5420
O9	-0.098	0	-0.111	0	1.0456	-0.1025	0.0000	-0.1161	0.0000
O12	-0.0003	0	-0.0003	0	1.0892	-0.0003	0.0000	-0.0003	0.0000
KEPCo - EKC	145.5047	150.786	126.5697	137.734		151.3171	156.5795	131.6381	143.0386

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak	SPA Cap Credit	North Peak	EKS	South Peak	SPA Cap Credit	Loss
	Metered		Loss Adjusted		Metered		Adjusted
	July 23 @ 1800				July 26 @ 1700		
Alma (WSPP)	3,154		3,270	Bronson	477		505
Elwood	1,984		2,088	Mindenmines	499		525
Enterprise (City & Indust Park)	1,158	-148	1,053	Mulberry	672		711
Herington	0		0				
Morrill	330		347				
Muscotah	258		271				
Robinson	0		0				
Scranton	312		328				
Troy	1,127	-118	1,075				
Vermillion	1,938		1,997		<u>1,648</u>		<u>1,741</u>
Wathena (WSPP)	210		221				
GFR Munis	<u>10,471</u>		<u>10,651</u>				

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak	North Peak	SPA Cap Credit	WR	WR Peak	WR Peak
July 22 @ 1700	July 22 @ 1700			July 22 @ 1700	July 22 @ 1700
Alma	3,232		Bronson	475	503
Elwood	1,973		Mindenmines	463	487
Enterprise	1,170	-148	Mulberry	651	689
Herington	0				
Morrill	325				
Muscotah	259				
Robinson	0				
Scranton	289				
Troy	1,067	-118			
Vermillion	1,951			<u>1,589</u>	<u>1,679</u>
Wathena	176				
GFR Munis	<u>10,442</u>				

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:
 8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak	SPA Cap Credit	Peak	WR	Peak
	Metered		Loss Adjusted		
	July 23 @ 1800		July 23 @ 1800	July 22 @ 1700	July 22 @ 1700
Doniphan	4,615	-2,000	2,825	4,327	2,524
Free State (Previously Kaw Valley)	41,411	-1,000	41,634	37,758	37,866
Nemaha Marshall	11,494	-2,354	8,011	10,755	7,277
	<u>57,520</u>		<u>52,470</u>	<u>52,840</u>	<u>47,667</u>

Confirmed w B. St Louis, Capacity Credit should be applied.

EKC	North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak
	Metered	Metered	Metered		Loss Factors	Loss Adjusted	Loss Adjusted
	July 23 @ 1800	July 26 @ 1700	July 22 @ 1700	(From Bills)	July 23 @ 1800	July 26 @ 1700	July 22 @ 1700
O2 WR30-Alma	3.154	2.211	3.232	0.0367	3.270	2.292	3.351
O5 WR30-Bronson	0.471	0.477	0.475	0.0583	498	505	503
O4 DPEC30-Belleuve	0.583	0.364	0.558	0.0522	613	383	587

O1 DPEC30-Blair	1.438	0.561	1.362
O4 DPEC30-Midway	0.626	0.262	0.615
O4 DPEC30-Troy	1.968	0.86	1.792
O4 WR30-Elwood	1.984	1.01	1.973
O2 WR30-Enterprise City	1.092	0.594	1.068
O4 WR30-Enterprise Industrial Park	0.066	0.145	0.102
O2 WR30-Herington			
O4 FSEC30-Baldwin Creek	1.747	1.134	1.642
O4 FSEC30-Banning Corner	0.185	0.087	0.314
O1 FSEC30-Carbondale	4.285	2.368	3.983
O2 FSEC30-Crooked Post	14.08	7.471	12.947
O1 FSEC30-Delia 2	1.939	0.643	1.61
O1 FSEC30-Hoyt	1.582	0.772	1.634
O4 FSEC30-K10 REC	0.263	0.162	0.248
O1 FSEC30-Keene	3.87	2.306	3.778
O1 FSEC30-Kiro	4.643	1.92	3.981
O4 FSEC30-Pauline	0.785	0.474	0.635
O4 FSEC30-Scranton	0.685	0.369	0.615
O2 FSEC30-Stull	5.953	3.501	5.089
O4 FSEC30-Watson	1.394	0.756	1.282
O4 WR30-Mindenmines	0.452	0.499	0.463
O4 WR30-Morrill	0.33	0.159	0.325
O6 WR30-Mulberry	0.66	0.672	0.651
O4 WR30-Muscotah	0.258	0.099	0.259
O1 NMEC30-Baileyville	2.16	0.993	2.006
O4 NMEC30-Frankfort	0.486	0.186	0.482
O2 NMEC30-Goff	1.49	0.8	1.46
O2 NMEC30-Hanover	0.887	0.37	0.797
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0.046	0
O2 NMEC30-Lone Elm	0.948	0.398	0.87
O1 NMEC30-Marshall Co Aux	0	0.455	0
O2 NMEC30-Marysville	1.618	0.637	1.52
O2 NMEC30-Seneca	2.455	1.401	2.32
O1 NMEC30-Snipe Creek	1.45	0.65	1.3
O1 NMEC Soldier Creek Aux	0	0.523	0
O4 WR30-Robinson	0.312	0.129	0.289
O5 WR30-Scranton	1.127	0.79	1.067
O1 WR30-Troy	1.938	0.873	1.951
O4 WR30-Vermillion	0.21	0.074	0.176
O4 WR30-Wathena	2.505	1.109	2.429

0.0307	1,482	578	1,404
0.0522	659	276	647
0.0522	2,071	905	1,886
0.0522	2,088	1,063	2,076
0.0367	1,132	616	1,107
0.0522	69	153	107
0.0522	1,838	1,193	1,728
0.0522	195	92	330
0.0307	4,417	2,441	4,105
0.0367	14,596	7,745	13,422
0.0307	1,999	663	1,659
0.0307	1,631	796	1,684
0.0522			
0.0307	3,989	2,377	3,894
0.0307	4,786	1,979	4,103
0.0522	826	499	668
0.0522	721	388	647
0.0367	6,171	3,629	5,276
0.0522	1,467	795	1,349
0.0522	476	525	487
0.0522	347	167	342
0.0583	698	711	689
0.0522	271	104	273
0.0307	2,226	1,023	2,068
0.0522	511	196	507
0.0367			
0.0367	920	384	826
0.0367	0	0	0
0.0307	0	47	0
0.0367	983	413	902
0.0307	0	469	0
0.0367	1,677	660	1,576
0.0367	2,545	1,452	2,405
0.0367	1,503	674	1,348
0.0307	0	539	0
0.0522	328	136	304
0.0583	1,193	836	1,129
0.0307	1,997	900	2,011
0.0522	221	78	185
0.0522	2,636	1,167	2,556

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
August 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	August 2 @ 1700	August 15 @ 1700	August 2 @ 1700		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	2,886	2,382	2,886	2,358	5,244
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2190 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	234 0.2	0	0.2	0	0
Total System Load Net	<u>2,881</u>	<u>2,382</u>	<u>2,881</u>	<u>2,357</u>	<u>5,238</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	130	86	130	86	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>169</u>	<u>86</u>	<u>169</u>	<u>86</u>	<u>254</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>2,715</u>	<u>2,296</u>	<u>2,715</u>	<u>2,271</u>	<u>4,987</u>

Individual Companies	
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Evergy KS Central (EKC) August 2 @ 1700	Evergy KS South (EKS) August 15 @ 1700
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Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
August 2 @ 1700		

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	
Independent Coops ⁷	0	0	0	0	
Total Non-Generating Load	0	0	0	0	
 Total 401b Load (TSPR - Non Gen.)	2,715	2,296	2,715	2,271	4,987

V) RETAIL

less: KEPCo					
KEPCo - Westar	125	139	125	139	264
KEPCo - MKEC (WPEK)	51	0	51	0	51
KEPCo - Midwest	14	0	14	0	14
KEPCo - EDE	3	0	3	0	3
KEPCo - KCPL	17	0	17	0	17
less: McPherson	162	0	162	0	162
less: GFR Munis	11	2	11	2	13
less: GFR Coops	53	0	53	0	53
 add: KEPCo Resources ⁴	130	86	130	86	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	2,445	2,241	2,445	2,217	4,662
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	3,195	2,702	3,195	2,672	5,867
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources

	Maximum Capacity (kW)	Proration North	Proration South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	129,759	85,627

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak Metered	South Peak Metered	EKC Peak North	EKS Peak South	Demand* Loss Factors (From Bills)	North Peak Loss Adjusted	South Peak Loss Adjusted	WR Peak Loss Adjusted	WR Peak Loss Adjusted
	August 2 @ 1700	August 15 @ 1700	August 2 @ 1700	August 2 @ 1700		August 2 @ 1700	August 15 @ 1700	August 2 @ 1700	August 2 @ 1700
KEPCo - SECI [fka MKEC]	51		51		1.0512	53.2296	0.0000	53.2296	0.0000
KEPCo - Midwest	14		14		1.0426	14.5161	0.0000	14.5161	0.0000
KEPCo - EDE	3		3		1.0271	3.3278	0.0000	3.3278	0.0000
KEPCo - KCPL	17		17		1.0190	17.1885	0.0000	17.1885	0.0000
						88.2620	0.0000	88.2620	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	35.594	25.161	35.594	27.042	1.0307	36.6867	25.9334	36.6867	27.8722
O10	-0.078	0	-0.078	0	1.0867	-0.0848	0.0000	-0.0848	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	47.825	90.326	47.825	87.696	1.0367	49.5802	93.6410	49.5802	90.9144
O4	41.954	20.945	41.954	20.832	1.0522	44.1440	22.0383	44.1440	21.9194
O5	0	2.406	0	2.372	1.0583	0.0000	2.5463	0.0000	2.5103
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.038	0.588	0.038	0.575	1.0796	0.0410	0.6348	0.0410	0.6208
O9	-0.091	0	-0.091	0	1.0456	-0.0951	0.0000	-0.0951	0.0000
O12	-0.0003	0	-0.0003	0	1.0892	-0.0003	0.0000	-0.0003	0.0000
KEPCo - EKC	125.2417	139.426	125.2417	138.517		130.2717	144.7938	130.2717	143.8371

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak	SPA Cap Credit	North Peak	EKS	South Peak	SPA Cap Credit	Loss
	Metered		Loss Adjusted		Metered		Adjusted
	August 2 @ 1700				August 15 @ 1700		
Alma (WSPP)	3,248		3,367	Bronson	458		485
Elwood	2,152		2,264	Mindenmines	505		531
Enterprise (City & Indust Park)	1,245	-130	1,163	Mulberry	652		690
Herington	0		0				
Morrill	352		370				
Muscotah	260		274				
Robinson	0		0				
Scranton	315		331				
Troy	1,086	-104	1,045				
Vermillion	2,075		2,139				
Wathena (WSPP)	188		198				
					<u>1,615</u>		<u>1,706</u>
GFR Munis	<u>10,921</u>		<u>11,152</u>				

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak	North Peak	SPA Cap Credit	WR	WR Peak	WR Peak
August 2 @ 1700	Loss Adjusted		August 2 @ 1700	SPA Cap Credit	Adjusted
Alma	3,248		Bronson	494	523
Elwood	2,152		Mindenmines	492	518
Enterprise	1,245	-130	Mulberry	672	711
Herington	0				
Morrill	352				
Muscotah	260				
Robinson	0				
Scranton	315				
Troy	1,086	-104			
Vermillion	2,075			<u>1,658</u>	<u>1,752</u>
Wathena	188				
GFR Munis	<u>10,921</u>		<u>11,152</u>		

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
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7 Independent Coops are now under the GFR contracts:
 8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak	SPA Cap Credit	Peak	Demand
	Metered		Loss Adjusted	
	August 2 @ 1700		Loss Adjusted	Loss Factors
Doniphan	4,556	-2,000	2,763	Confirmed w B. St Louis, Capacity Credit should be applied.
Free State (Previously Kaw Valley)	36,861	-1,000	36,929	
Nemaha Marshall	11,507	-2,190	8,179	
	<u>52,924</u>		<u>47,871</u>	

WR	Peak	SPA Cap Credit	Peak	Demand
	Metered		Loss Adjusted	
	August 2 @ 1700		Loss Adjusted	Loss Factors
Doniphan	4,556	-2,000	2,763	Confirmed w B. St Louis, Capacity Credit should be applied.
Free State (Previously Kaw Valley)	36,861	-1,000	36,929	
Nemaha Marshall	11,507	-2,190	8,179	
	<u>52,924</u>		<u>47,871</u>	

North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak	
				Loss Adjusted	Loss Adjusted	Loss Adjusted	
Metered	Metered	Metered	(From Bills)	August 2 @ 1700	August 15 @ 1700	August 2 @ 1700	
August 2 @ 1700	August 15 @ 1700	August 2 @ 1700		August 2 @ 1700	August 15 @ 1700	August 2 @ 1700	
O2 WR30-Alma	3.248	3.12	3.248	0.0367	3.367	3.234	3.367
O5 WR30-Bronson	0.494	0.458	0.494	0.0583	523	485	523
O4 DPEC30-Belleuve	0.635	0.431	0.635	0.0522	668	453	668

O1 DPEC30-Blair	1.428	0.839	1.428
O4 DPEC30-Midway	0.533	0.361	0.533
O4 DPEC30-Troy	1.96	1.26	1.96
O4 WR30-Elwood	2.152	1.397	2.152
O2 WR30-Enterprise City	1.095	1.083	1.095
O4 WR30-Enterprise Industrial Park	0.15	0.145	0.15
O2 WR30-Herington			
O4 FSEC30-Baldwin Creek	1.688	1.52	1.688
O4 FSEC30-Banning Corner	0.218	0.227	0.218
O1 FSEC30-Carbondale	3.739	3.453	3.739
O2 FSEC30-Crooked Post	12.686	11.451	12.686
O1 FSEC30-Delia 2	1.535	1.479	1.535
O1 FSEC30-Hoyt	1.678	1.427	1.678
O4 FSEC30-K10 REC	0.255	0.212	0.255
O1 FSEC30-Keene	3.707	3.558	3.707
O1 FSEC30-Kiro	4.012	3.64	4.012
O4 FSEC30-Pauline	0.634	0.576	0.634
O4 FSEC30-Scranton	0.577	0.547	0.577
O2 FSEC30-Stull	4.862	4.296	4.862
O4 FSEC30-Watson	1.27	1.109	1.27
O4 WR30-Mindenmines	0.492	0.505	0.492
O4 WR30-Morrill	0.352	0.222	0.352
O6 WR30-Mulberry	0.672	0.652	0.672
O4 WR30-Muscotah	0.26	0.195	0.26
O1 NMEC30-Baileyville	2.111	1.529	2.111
O4 NMEC30-Frankfort	0.493	0.423	0.493
O2 NMEC30-Goff	1.5	1.04	1.5
O2 NMEC30-Hanover	0.877	0.616	0.877
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0	0
O2 NMEC30-Lone Elm	0.896	0.617	0.896
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	1.603	1.259	1.603
O2 NMEC30-Seneca	2.607	1.853	2.607
O1 NMEC30-Snipe Creek	1.42	1.09	1.42
O1 NMEC Soldier Creek Aux	0	0	0
O4 WR30-Robinson	0.315	0.186	0.315
O5 WR30-Scranton	1.086	0.956	1.086
O1 WR30-Troy	2.075	1.2	2.075
O4 WR30-Vermillion	0.188	0.15	0.188
O4 WR30-Wathena	2.48	1.506	2.48

0.0307	1,472	865	1,472
0.0522	561	380	561
0.0522	2,062	1,326	2,062
0.0522	2,264	1,470	2,264
0.0367	1,135	1,123	1,135
0.0522	158	153	158
0.0522	1,776	1,599	1,776
0.0522	229	239	229
0.0307	3,854	3,559	3,854
0.0367	13,151	11,871	13,151
0.0307	1,582	1,524	1,582
0.0307	1,730	1,471	1,730
0.0522			
0.0307	3,821	3,667	3,821
0.0307	4,135	3,752	4,135
0.0522	667	606	667
0.0522	607	576	607
0.0367	5,040	4,454	5,040
0.0522	1,336	1,167	1,336
0.0522	518	531	518
0.0522	370	234	370
0.0583	711	690	711
0.0522	274	205	274
0.0307	2,176	1,576	2,176
0.0522	519	445	519
0.0367			
0.0367	909	639	909
0.0367	0	0	0
0.0307	0	0	0
0.0367	929	640	929
0.0307	0	0	0
0.0367	1,662	1,305	1,662
0.0367	2,703	1,921	2,703
0.0367	1,472	1,130	1,472
0.0307	0	0	0
0.0522	331	196	331
0.0583	1,149	1,012	1,149
0.0307	2,139	1,237	2,139
0.0522	198	158	198
0.0522	2,609	1,585	2,609

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
September 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	September 20 @ 1700	September 21 @ 1600	September 20 @ 1700		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	2,748	2,235	2,748	2,165	4,913
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2156 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	227 0.2	0	0.2	0	0
Total System Load Net	<u>2,743</u>	<u>2,235</u>	<u>2,743</u>	<u>2,164</u>	<u>4,907</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	133	82	133	82	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>172</u>	<u>82</u>	<u>172</u>	<u>82</u>	<u>254</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>2,574</u>	<u>2,153</u>	<u>2,574</u>	<u>2,082</u>	<u>4,656</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
September 20 @ 1700	September 21 @ 1600

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
	September 20 @ 1700	

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	2,574	2,153	2,574	2,082	4,656

V) RETAIL

less: KEPCo					
KEPCo - Westar	120	134	120	123	243
KEPCo - MKEC (WPEK)	50	0	50	0	50
KEPCo - Midwest	10	0	10	0	10
KEPCo - EDE	3	0	3	0	3
KEPCo - KCPL	16	0	16	0	16
less: McPherson	148	0	148	0	148
less: GFR Munis	10	1	10	2	12
less: GFR Coops	51	0	51	0	51
add: KEPCo Resources ⁴	133	82	133	82	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	2,333	2,100	2,333	2,040	4,373
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	3,028	2,533	3,028	2,449	5,478
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources	Maximum	Proration	Proration
	Capacity (kW)	North	South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	133,325	82,061

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak	South Peak	EKC Peak	EKS Peak	Demand*	North Peak	South Peak	WR Peak	WR Peak
	Metered	Metered	North	South	Loss Factors	Loss Adjusted	Loss Adjusted	Loss Adjusted	Loss Adjusted
	September 20 @ 1700	September 21 @ 1700	September 20 @ 1700	September 20 @ 1700	(From Bills)	September 20 @ 1700	September 21 @ 1700	September 20 @ 1700	September 20 @ 1700
KEPCo - SECI (aka MKEC)	50		50		1.0512	52.6977	0.0000	52.6977	0.0000
KEPCo - Midwest	10		10		1.0426	10.8107	0.0000	10.8107	0.0000
KEPCo - EDE	3		3		1.0271	3.0454	0.0000	3.0454	0.0000
KEPCo - KCPL	16		16		1.0190	15.8607	0.0000	15.8607	0.0000
						82.4145	0.0000	82.4145	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	33.54	26.105	33.54	21.799	1.0307	34.5697	26.9064	34.5697	22.4682
O10	-0.179	0	-0.179	0	1.0867	-0.1945	0.0000	-0.1945	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	46.315	84.969	46.315	79.129	1.0367	48.0148	88.0874	48.0148	82.0330
O4	40.811	19.839	40.811	19.145	1.0522	42.9413	20.8746	42.9413	20.1444
O5	0	2.405	0	2.168	1.0583	0.0000	2.5452	0.0000	2.2944
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.043	0.582	0.043	0.558	1.0796	0.0464	0.6283	0.0464	0.6024
O9	-0.047	0	-0.047	0	1.0456	-0.0491	0.0000	-0.0491	0.0000
O12	-0.0003	0	-0.0003	0	1.0892	-0.0003	0.0000	-0.0003	0.0000
KEPCo - EKC	120.4827	133.9	120.4827	122.799		125.3282	139.0419	125.3282	127.5424

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak		SPA Cap Credit	North Peak		EKS	South Peak		Loss
	Metered	September 20 @ 1700		Loss Adjusted	Metered		September 21 @ 1600	Adjusted	
Alma (WSPP)	3,324			3,446		Bronson	392		415
Elwood	1,907			2,007		Mindenmines	450		473
Enterprise (City & Indust Park)	1,192		-126	1,112		Mulberry	601		636
Herington	0			0					
Morrill	350			368					
Muscotah	241			254					
Robinson	0			0					
Scranton	292			307					
Troy	1,001		-101	958					
Vermillion	1,999			2,060					
Wathena (WSPP)	184			194					
							<u>1,443</u>		<u>1,524</u>
GFR Munis	<u>10,490</u>			<u>10,706</u>					

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak	North Peak		SPA Cap Credit	WR Peak		WR Peak			
	Metered	September 20 @ 1700		Loss Adjusted	Metered		Loss Adjusted		
Alma	3,324			3,446		Bronson	458		485
Elwood	1,907			2,007		Mindenmines	451		475
Enterprise	1,192		-126	1,112		Mulberry	593		628
Herington	0			0					
Morrill	350			368					
Muscotah	241			254					
Robinson	0			0					
Scranton	292			307					
Troy	1,001		-101	958					
Vermillion	1,999			2,060					
Wathena	184			194					
							<u>1,502</u>		<u>1,587</u>
GFR Munis	<u>10,490</u>			<u>10,706</u>					

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:
 8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak		SPA Cap Credit	Peak		Demand
	Metered	September 20 @ 1700		Loss Adjusted	Loss Factors	
Doniphan	4,895		-2,000	3,120		Confirmed w B. St Louis, Capacity Credit should be applied.
Free State (Previously Kaw Valley)	34,817		-1,000	34,821		
Nemaha Marshall	11,484		-2,156	8,323		
	<u>51,196</u>			<u>46,264</u>		

WR	Peak		SPA Cap Credit	Peak		Demand
	Metered	September 20 @ 1700		Loss Adjusted	Loss Factors	
Doniphan	4,895		-2,000	3,120		Confirmed w B. St Louis, Capacity Credit should be applied.
Free State (Previously Kaw Valley)	34,817		-1,000	34,821		
Nemaha Marshall	11,484		-2,156	8,323		
	<u>51,196</u>			<u>46,264</u>		

	North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak
	Metered	Metered	Metered		Loss Adjusted	Loss Adjusted	Loss Adjusted
	September 20 @ 1700	September 21 @ 1700	September 20 @ 1700	(From Bills)	September 20 @ 1700	September 21 @ 1700	September 20 @ 1700
O2 WR30-Alma	3.324	2.357	3.324	0.0367	3,446	2,443	3,446
O5 WR30-Bronson	0.458	0.392	0.458	0.0583	485	415	485
O4 DPEC30-Bellevue	1.015	0.563	1.015	0.0522	1,068	592	1,068

O1 DPEC30-Blair	1.427	0.654	1.427
O4 DPEC30-Midway	0.656	0.408	0.656
O4 DPEC30-Troy	1.797	0.953	1.797
O4 WR30-Elwood	1.907	1.064	1.907
O2 WR30-Enterprise City	1.041	0.615	1.041
O4 WR30-Enterprise Industrial Park	0.151	0.157	0.151
O2 WR30-Herington			
O4 FSEC30-Baldwin Creek	1.561	1.222	1.561
O4 FSEC30-Banning Corner	0.204	0.171	0.204
O1 FSEC30-Carbondale	3.533	2.191	3.533
O2 FSEC30-Crooked Post	12.002	8.723	12.002
O1 FSEC30-Delia 2	1.437	0.796	1.437
O1 FSEC30-Hoyt	1.632	0.911	1.632
O4 FSEC30-K10 REC	0.244	0.156	0.244
O1 FSEC30-Keene	3.634	2.309	3.634
O1 FSEC30-Kiro	3.702	2.287	3.702
O4 FSEC30-Pauline	0.601	0.548	0.601
O4 FSEC30-Scranton	0.574	0.357	0.574
O2 FSEC30-Stull	4.538	3.589	4.538
O4 FSEC30-Watson	1.155	0.736	1.155
O4 WR30-Mindenmines	0.451	0.45	0.451
O4 WR30-Morrill	0.35	0.161	0.35
O6 WR30-Mulberry	0.593	0.601	0.593
O4 WR30-Muscotah	0.241	0	0.241
O1 NMEC30-Baileyville	2.308	1.233	2.308
O4 NMEC30-Frankfort	0.494	0.204	0.494
O2 NMEC30-Goff	1.37	0.88	1.37
O2 NMEC30-Hanover	0.778	0.347	0.778
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0.145	0
O2 NMEC30-Lone Elm	0.998	0.415	0.998
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	1.554	0.65	1.554
O2 NMEC30-Seneca	2.562	1.499	2.562
O1 NMEC30-Snipe Creek	1.42	0.82	1.42
O1 NMEC Soldier Creek Aux	0	1.535	0
O4 WR30-Robinson	0.292	0.16	0.292
O5 WR30-Scranton	1.001	0.661	1.001
O1 WR30-Troy	1.999	0.999	1.999
O4 WR30-Vermillion	0.184	0.079	0.184
O4 WR30-Wathena	2.346	1.146	2.346

0.0307	1,471	674	1,471
0.0522	690	429	690
0.0522	1,891	1,003	1,891
0.0522	2,007	1,120	2,007
0.0367	1,079	638	1,079
0.0522	159	165	159
0.0522	1,642	1,286	1,642
0.0522	215	180	215
0.0307	3,641	2,258	3,641
0.0367	12,442	9,043	12,442
0.0307	1,481	820	1,481
0.0307	1,682	939	1,682
0.0522			
0.0307	3,746	2,380	3,746
0.0307	3,816	2,357	3,816
0.0522	632	577	632
0.0522	604	376	604
0.0367	4,704	3,721	4,704
0.0522	1,215	774	1,215
0.0522	475	473	475
0.0522	368	169	368
0.0583	628	636	628
0.0522	254	0	254
0.0307	2,379	1,271	2,379
0.0522	520	215	520
0.0367			
0.0367	807	360	807
0.0367	0	0	0
0.0307	0	149	0
0.0367	1,035	430	1,035
0.0307	0	0	0
0.0367	1,611	674	1,611
0.0367	2,656	1,554	2,656
0.0367	1,472	850	1,472
0.0307	0	1,582	0
0.0522	307	168	307
0.0583	1,059	700	1,059
0.0307	2,060	1,030	2,060
0.0522	194	83	194
0.0522	2,468	1,206	2,468

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
October 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	October 6 @ 1700	October 3 @ 1700	October 6 @ 1700		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	1,827	1,489	1,827	1,449	3,276
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2205 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	208 0.2	0	0.2	0	0
Total System Load Net	<u>1,822</u>	<u>1,489</u>	<u>1,822</u>	<u>1,448</u>	<u>3,270</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	133	83	133	83	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>172</u>	<u>83</u>	<u>172</u>	<u>83</u>	<u>254</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>1,653</u>	<u>1,406</u>	<u>1,653</u>	<u>1,365</u>	<u>3,019</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
October 6 @ 1700	October 3 @ 1700

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
	October 6 @ 1700	

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	1,653	1,406	1,653	1,365	3,019

V) RETAIL

less: KEPCo					
KEPCo - Westar	65	77	65	76	141
KEPCo - MKEC (WPEK)	37	0	37	0	37
KEPCo - Midwest	8	0	8	0	8
KEPCo - EDE	2	0	2	0	2
KEPCo - KCPL	10	0	10	0	10
less: McPherson	137	0	137	0	137
less: GFR Munis	5	1	5	1	6
less: GFR Coops	24	0	24	0	24
add: KEPCo Resources ⁴	133	83	133	83	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	1,533	1,411	1,533	1,371	2,904
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	1,945	1,655	1,945	1,606	3,552
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources	Maximum	Proration	Proration
	Capacity (kW)	North	South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	132,787	82,599

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak	South Peak	EKC Peak	EKS Peak	Demand*	North Peak	South Peak	WR Peak	WR Peak
	Metered	Metered	North	South	Loss Factors	Loss Adjusted	Loss Adjusted	Loss Adjusted	Loss Adjusted
	October 6 @ 1700	October 3 @ 1700	October 6 @ 1700	October 6 @ 1700	(From Bills)	October 6 @ 1700	October 3 @ 1700	October 6 @ 1700	October 6 @ 1700
KEPCo - SECI [fka MKEC]	37		37		1.0512	38.7756	0.0000	38.7756	0.0000
KEPCo - Midwest	8		8		1.0426	8.6922	0.0000	8.6922	0.0000
KEPCo - EDE	2		2		1.0271	2.2730	0.0000	2.2730	0.0000
KEPCo - KCPL	10		10		1.0190	9.9801	0.0000	9.9801	0.0000
						59.7208	0.0000	59.7208	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	19.928	16.266	19.928	14.761	1.0307	20.5398	16.7654	20.5398	15.2142
O10	-0.034	0	-0.034	0	1.0867	-0.0369	0.0000	-0.0369	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	23.717	47.141	23.717	47.301	1.0367	24.5874	48.8711	24.5874	49.0369
O4	21.473	11.777	21.473	12.134	1.0522	22.5939	12.3918	22.5939	12.7674
O5	0	1.336	0	1.338	1.0583	0.0000	1.4139	0.0000	1.4160
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.026	0.534	0.026	0.559	1.0796	0.0281	0.5765	0.0281	0.6035
O9	-0.013	0	-0.013	0	1.0456	-0.0136	0.0000	-0.0136	0.0000
O12	-0.0003	0	-0.0003	0	1.0892	-0.0003	0.0000	-0.0003	0.0000
KEPCo - EKC	65.0967	77.054	65.0967	76.093		67.6983	80.0186	67.6983	79.0380

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak	SPA Cap Credit	North Peak	EKS	South Peak	SPA Cap Credit	Loss
	Metered		Loss Adjusted		Metered		Adjusted
	October 6 @ 1700				October 3 @ 1700		
Alma (WSPP)	2,116		2,194	Bronson	215		228
Elwood	845		889	Mindenmines	266		280
Enterprise (City & Indust Park)	590	-114	500	Mulberry	257		272
Herington	0		0				
Morrill	174		183				
Muscotah	107		113				
Robinson	0		0				
Scranton	118		124				
Troy	517	-94	453				
Vermillion	854		880				
Wathena (WSPP)	75		79				
					<u>738</u>		<u>779</u>
GFR Munis	<u>5,396</u>		<u>5,415</u>				

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak	North Peak	SPA Cap Credit	WR	WR Peak	WR Peak	
						Metered
October 6 @ 1700	Loss Adjusted		October 6 @ 1700	SPA Cap Credit	Adjusted	
Alma	2,116		2,194	Bronson	211	223
Elwood	845		889	Mindenmines	209	220
Enterprise	590	-114	500	Mulberry	256	271
Herington	0		0			
Morrill	174		183			
Muscotah	107		113			
Robinson	0		0			
Scranton	118		124			
Troy	517	-94	453			
Vermillion	854		880			
Wathena	75		79			
				<u>676</u>		<u>714</u>
GFR Munis	<u>5,396</u>		<u>5,415</u>			

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:

8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak	SPA Cap Credit	Peak	Demand	Peak	Peak	Peak
	Metered		Loss Adjusted				
	October 6 @ 1700		Loss Adjusted	(From Bills)	October 6 @ 1700	October 3 @ 1700	October 6 @ 1700
Doniphan	2,714	-2,000	843		2,194	2,030	2,194
Free State (Previously Kaw Valley)	15,211	-1,000	14,635		223	228	223
Nemaha Marshall	6,092	-2,205	3,237	0.0367	830	905	830
	<u>24,017</u>		<u>18,714</u>				

Confirmed w B. St Louis, Capacity Credit should be applied.

WR	Peak	SPA Cap Credit	Peak	Demand	Peak	Peak	Peak
	October 6 @ 1700		Loss Adjusted	(From Bills)	October 6 @ 1700	October 3 @ 1700	October 6 @ 1700
Doniphan	2,714	-2,000	843		2,194	2,030	2,194
Free State (Previously Kaw Valley)	15,211	-1,000	14,635		223	228	223
Nemaha Marshall	6,092	-2,205	3,237	0.0583	830	905	830
	<u>24,017</u>		<u>18,714</u>				

Confirmed w B. St Louis, Capacity Credit should be applied.

EKC	North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak
	Metered	Metered	Metered		Loss Adjusted	Loss Adjusted	Loss Adjusted
	October 6 @ 1700	October 3 @ 1700	October 6 @ 1700	(From Bills)	October 6 @ 1700	October 3 @ 1700	October 6 @ 1700
O2 WR30-Alma	2.116	1.958	2.116	0.0367	2,194	2,030	2,194
O5 WR30-Bronson	0.211	0.215	0.211	0.0583	223	228	223
O4 DPEC30-Bellevue	0.789	0.86	0.789	0.0522	830	905	830

O1 DPEC30-Blair	0.59	0.613	0.59
O4 DPEC30-Midway	0.398	0.394	0.398
O4 DPEC30-Troy	0.937	0.952	0.937
O4 WR30-Elwood	0.845	0.844	0.845
O2 WR30-Enterprise City	0.453	0.461	0.453
O4 WR30-Enterprise Industrial Park	0.137	0.128	0.137
O2 WR30-Herington			
O4 FSEC30-Baldwin Creek	1.08	1.018	1.08
O4 FSEC30-Banning Corner	0.258	0.214	0.258
O1 FSEC30-Carbondale	1.622	1.544	1.622
O2 FSEC30-Crooked Post	7.024	6.386	7.024
O1 FSEC30-Delia 2	-4.023	-3.908	-4.023
O1 FSEC30-Hoyt	1.505	1.472	1.505
O4 FSEC30-K10 REC	0.149	0.138	0.149
O1 FSEC30-Keene	1.819	1.692	1.819
O1 FSEC30-Kiro	2.119	2.067	2.119
O4 FSEC30-Pauline	0.376	0.384	0.376
O4 FSEC30-Scranton	0.246	0.218	0.246
O2 FSEC30-Stull	2.508	3.039	2.508
O4 FSEC30-Watson	0.528	0.509	0.528
O4 WR30-Mindenmines	0.209	0.266	0.209
O4 WR30-Morrill	0.174	0.136	0.174
O6 WR30-Mulberry	0.256	0.257	0.256
O4 WR30-Muscotah	0.107	0.09	0.107
O1 NMEC30-Baileyville	1.029	0.992	1.029
O4 NMEC30-Frankfort	0.2	0.209	0.2
O2 NMEC30-Goff	0.84	0.85	0.84
O2 NMEC30-Hanover	0.369	0.369	0.369
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0	0
O2 NMEC30-Lone Elm	0.532	0.52	0.532
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	0.794	0.777	0.794
O2 NMEC30-Seneca	1.568	1.476	1.568
O1 NMEC30-Snipe Creek	0.76	0.86	0.76
O1 NMEC Soldier Creek Aux	0	0	0
O4 WR30-Robinson	0.118	0.121	0.118
O5 WR30-Scranton	0.517	0.517	0.517
O1 WR30-Troy	0.854	0.831	0.854
O4 WR30-Vermillion	0.075	0.072	0.075
O4 WR30-Wathena	1.074	1.029	1.074

0.0307	608	632	608
0.0522	419	415	419
0.0522	986	1,002	986
0.0522	889	888	889
0.0367	470	478	470
0.0522	144	135	144
0.0522	1,136	1,071	1,136
0.0522	271	225	271
0.0307	1,672	1,591	1,672
0.0367	7,282	6,620	7,282
0.0307	-4,147	-4,028	-4,147
0.0307	1,551	1,517	1,551
0.0522			
0.0307	1,875	1,744	1,875
0.0307	2,184	2,130	2,184
0.0522	396	404	396
0.0522	259	229	259
0.0367	2,600	3,150	2,600
0.0522	556	536	556
0.0522	220	280	220
0.0522	183	143	183
0.0583	271	272	271
0.0522	113	95	113
0.0307	1,061	1,022	1,061
0.0522	210	220	210
0.0367			
0.0367	383	383	383
0.0367	0	0	0
0.0307	0	0	0
0.0367	552	539	552
0.0307	0	0	0
0.0367	823	805	823
0.0367	1,625	1,530	1,625
0.0367	788	892	788
0.0307	0	0	0
0.0522	124	127	124
0.0583	547	547	547
0.0307	880	857	880
0.0522	79	76	79
0.0522	1,130	1,083	1,130

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
November 2022

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	November 30 @ 0800	November 30 @ 0800	November 30 @ 0800		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	1,761	1,394	1,761	1,394	3,155
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2187 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	204 0.2	0	0.2	0	0
Total System Load Net	<u>1,756</u>	<u>1,394</u>	<u>1,756</u>	<u>1,393</u>	<u>3,149</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCCo Resources ⁴	132	84	132	84	215
EKS Cities, SPA Resources ²	0 *	0 *	0	10 *	10
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>170</u>	<u>84</u>	<u>170</u>	<u>94</u>	<u>264</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>1,589</u>	<u>1,310</u>	<u>1,589</u>	<u>1,299</u>	<u>2,888</u>

Individual Companies	
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Evergy KS Central (EKC)	Evergy KS South (EKS)
November 30 @ 0800	November 30 @ 0800

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
November 30 @ 0800		

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
Total 401b Load (TSPR - Non Gen.)	1,589	1,310	1,589	1,299	2,888

V) RETAIL

less: KEPCo					
KEPCo - Westar	89	101	89	101	191
KEPCo - MKEC (WPEK)	49	0	49	0	49
KEPCo - Midwest	9	0	9	0	9
KEPCo - EDE	3	0	3	0	3
KEPCo - KCPL	10	0	10	0	10
less: McPherson	117	0	123	0	123
less: GFR Munis	7	1	7	1	8
less: GFR Coops	30	0	30	0	30
add: KEPCo Resources ⁴	132	84	132	84	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	1,442	1,292	1,436	1,281	2,716
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	1,869	1,542	1,869	1,529	3,398
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources	Maximum	Proration	Proration
	<u>Capacity (kW)</u>	<u>North</u>	<u>South</u>
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	<u>32,000</u>		
Total	215,386	131,725	83,661

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak	South Peak	EKC Peak	EKS Peak	Demand*	North Peak	South Peak	WR Peak	WR Peak
	Metered	Metered	North	South	Loss Factors	Loss Adjusted	Loss Adjusted	Loss Adjusted	Loss Adjusted
	November 30 @ 0800	November 30 @ 0800	November 30 @ 0800	November 30 @ 0800	(From Bills)	November 30 @ 0800	November 30 @ 0800	November 30 @ 0800	November 30 @ 0800
KEPCo - SECI [fka MKEC]	49		49		1.0512	51.5635	0.0000	51.5635	0.0000
KEPCo - Midwest	9		9		1.0426	9.1592	0.0000	9.1592	0.0000
KEPCo - EDE	3		3		1.0271	2.8964	0.0000	2.8964	0.0000
KEPCo - KCPL	10		10		1.0190	9.9801	0.0000	9.9801	0.0000
						73.5992	0.0000	73.5992	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	31.479	21.806	31.479	21.806	1.0307	32.4454	22.4754	32.4454	22.4754
O10	-0.078	0	-0.078	0	1.0867	-0.0848	0.0000	-0.0848	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	30.739	63.769	30.739	63.769	1.0367	31.8671	66.1093	31.8671	66.1093
O4	27.001	13.408	27.001	13.408	1.0522	28.4105	14.1079	28.4105	14.1079
O5	0	2.028	0	2.028	1.0583	0.0000	2.1462	0.0000	2.1462
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.018	0.35	0.018	0.35	1.0796	0.0194	0.3779	0.0194	0.3779
O9	-0.015	0	-0.015	0	1.0456	-0.0157	0.0000	-0.0157	0.0000
O12	-0.0003	0	-0.0003	0	1.0892	-0.0003	0.0000	-0.0003	0.0000
KEPCo - EKC	89.1437	101.361	89.1437	101.361		92.6416	105.2168	92.6416	105.2168

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak	SPA Cap Credit	North Peak	EKS	South Peak	SPA Cap Credit	Loss
	Metered		Loss Adjusted		Metered		Adjusted
	November 30 @ 0800				November 30 @ 0800		
Alma (WSPP)	1,852		1,920	Bronson	266		282
Elwood	1,076		1,132	Mindenmines	359		378
Enterprise (City & Indust Park)	666	-112	580	Mulberry	323		342
Herington	0		0				
Morrill	136		143				
Muscotah	102		107				
Robinson	146		154				
Scranton	553		585				
Troy	1,064	-92	1,005				
Vermillion	111		117				
Wathena (WSPP)	1,057		1,112				
					<u>948</u>		<u>1,001</u>
GFR Munis	<u>6,763</u>		<u>6,855</u>				

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak	North Peak	SPA Cap Credit	WR	WR Peak	WR Peak	
						Metered
November 30 @ 0800	November 30 @ 0800			November 30 @ 0800	November 30 @ 0800	
Alma	1,852		1,920	Bronson	266	282
Elwood	1,076		1,132	Mindenmines	359	378
Enterprise	666	-112	580	Mulberry	323	342
Herington	0		0			
Morrill	136		143			
Muscotah	102		107			
Robinson	146		154			
Scranton	553		585			
Troy	1,064	-92	1,005			
Vermillion	111		117			
Wathena	1,057		1,112			
				<u>948</u>		<u>1,001</u>
GFR Munis	<u>6,763</u>		<u>6,855</u>			

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:

8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak	SPA Cap Credit	Peak	Peak
	Metered		Loss Adjusted	
	November 30 @ 0800		November 30 @ 0800	November 30 @ 0800
Doniphan	2,871	-2,000	1,004	
Free State (Previously Kaw Valley)	20,541	-1,000	20,184	
Nemaha Marshall	7,070	-2,187	4,259	Confirmed w B. St Louis, Capacity Credit should be applied.
	<u>30,482</u>		<u>25,447</u>	

WR	Peak	SPA Cap Credit	Peak	Peak
	Metered		Loss Adjusted	
	November 30 @ 0800		November 30 @ 0800	November 30 @ 0800
Doniphan	2,871	-2,000	1,004	
Free State (Previously Kaw Valley)	20,541	-1,000	20,184	
Nemaha Marshall	7,070	-2,187	4,259	Confirmed w B. St Louis, Capacity Credit should be applied.
	<u>30,482</u>		<u>25,447</u>	

EKC	North Peak	South Peak	WR Peak	Demand	Peak	Peak	Peak
	Metered	Metered	Metered	Loss Factors	Loss Adjusted	Loss Adjusted	Loss Adjusted
	November 30 @ 0800	November 30 @ 0800	November 30 @ 0800	(From Bills)	November 30 @ 0800	November 30 @ 0800	November 30 @ 0800
O2 WR30-Alma	1.852	1.852	1.852	0.0367	1,920	1,920	1,920
O5 WR30-Bronson	0.266	0.266	0.266	0.0583	282	282	282
O4 DPEC30-Bellevue	0.545	0.545	0.545	0.0522	573	573	573

O1 DPEC30-Blair	0.799	0.799	0.799
O4 DPEC30-Midway	0.328	0.328	0.328
O4 DPEC30-Troy	1.199	1.199	1.199
O4 WR30-Elwood	1.076	1.076	1.076
O2 WR30-Enterprise City	0.544	0.544	0.544
O4 WR30-Enterprise Industrial Park	0.122	0.122	0.122
O2 WR30-Herington			
O4 FSEC30-Baldwin Creek	1.209	1.209	1.209
O4 FSEC30-Banning Corner	0.138	0.138	0.138
O1 FSEC30-Carbondale	2.398	2.398	2.398
O2 FSEC30-Crooked Post	7.905	7.905	7.905
O1 FSEC30-Delia 2	-3.713	-3.713	-3.713
O1 FSEC30-Hoyt	1.785	1.785	1.785
O4 FSEC30-K10 REC	0.12	0.12	0.12
O1 FSEC30-Keene	2.827	2.827	2.827
O1 FSEC30-Kiro	2.321	2.321	2.321
O4 FSEC30-Pauline	0.606	0.606	0.606
O4 FSEC30-Scranton	0.303	0.303	0.303
O2 FSEC30-Stull	3.819	3.819	3.819
O4 FSEC30-Watson	0.823	0.823	0.823
O4 WR30-Mindenmines	0.359	0.359	0.359
O4 WR30-Morrill	0.136	0.136	0.136
O6 WR30-Mulberry	0.323	0.323	0.323
O4 WR30-Muscotah	0.102	0.102	0.102
O1 NMEC30-Baileyville	1.222	1.222	1.222
O4 NMEC30-Frankfort	0.321	0.321	0.321
O2 NMEC30-Goff	0.85	0.85	0.85
O2 NMEC30-Hanover	0.521	0.521	0.521
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0	0
O2 NMEC30-Lone Elm	0.626	0.626	0.626
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	0.95	0.95	0.95
O2 NMEC30-Seneca	1.72	1.72	1.72
O1 NMEC30-Snipe Creek	0.86	0.86	0.86
O1 NMEC Soldier Creek Aux	0	0	0
O4 WR30-Robinson	0.146	0.146	0.146
O5 WR30-Scranton	0.553	0.553	0.553
O1 WR30-Troy	1.064	1.064	1.064
O4 WR30-Vermillion	0.111	0.111	0.111
O4 WR30-Wathena	1.057	1.057	1.057

0.0307	824	824	824
0.0522	345	345	345
0.0522	1,262	1,262	1,262
0.0522	1,132	1,132	1,132
0.0367	564	564	564
0.0522	128	128	128
0.0522	1,272	1,272	1,272
0.0522	145	145	145
0.0307	2,472	2,472	2,472
0.0367	8,195	8,195	8,195
0.0307	-3,827	-3,827	-3,827
0.0307	1,840	1,840	1,840
0.0522			
0.0307	2,914	2,914	2,914
0.0307	2,392	2,392	2,392
0.0522	638	638	638
0.0522	319	319	319
0.0367	3,959	3,959	3,959
0.0522	866	866	866
0.0522	378	378	378
0.0522	143	143	143
0.0583	342	342	342
0.0522	107	107	107
0.0307	1,260	1,260	1,260
0.0522	338	338	338
0.0367			
0.0367	540	540	540
0.0367	0	0	0
0.0307	0	0	0
0.0367	649	649	649
0.0307	0	0	0
0.0367	985	985	985
0.0367	1,783	1,783	1,783
0.0367	892	892	892
0.0307	0	0	0
0.0522	154	154	154
0.0583	585	585	585
0.0307	1,097	1,097	1,097
0.0522	117	117	117
0.0522	1,112	1,112	1,112

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

**CALCULATION OF EKC & EKS AND TOTAL Evergy KS Central LOAD
December 2022**

I) DAY/HOUR OF HIGHEST PEAK REPORT LOAD:	Individual Companies		Total Evergy Kansas Central		
	Evergy KS Central (EKC)	Evergy KS South (EKS)	EKC Contribution	EKS Contribution	Evergy KS Central
	December 22 @ 1900	December 22 @ 0900	December 22 @ 0900		
II) SYSTEM LOAD NET CALCULATION					
Native Peak Report Load	2,221	1,707	2,221	1,707	3,928
less: FreeState, SPA Resources ¹	1000 1	0	1	0	1
Nemaha, SPA Resources ¹	2301 2	0	2	0	2
Doniphan, SPA Resources	2000 2	0	2	1	3
Lindsborg, SPA Resources ¹	0	0	0	0	0
Enterprise & Troy Resources	224 0.2	0	0.2	0	0
Total System Load Net	<u>2,215</u>	<u>1,707</u>	<u>2,215</u>	<u>1,706</u>	<u>3,921</u>
III) TOTAL SYSTEM PEAK RESPONSIBILITY (TSPR)					
A) FIRM PURCHASE					
Cities, GRDA Resources ³	0 *	0 *	0 *	0 *	0
KEPCo Resources ⁴	128	88	128	88	215
EKS Cities, SPA Resources ²	0 *	0 *	0	0 *	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
McPherson	35 *	0 *	35 *	0 *	35
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Purchases	<u>167</u>	<u>88</u>	<u>167</u>	<u>88</u>	<u>254</u>
B) FIRM SALES					
Cities, GRDA Resources ³	0 *	0 *	0	0	0
KEPCo Resources ⁴	0	0	0	0	0
FreeState, SPA Resources ²	1	0	1	0	1
Nemaha, SPA Resources ²	2	0	2	0	2
Lindsborg, SPA Resources ²	0	0	0	0	0
EKS Cities, SPA Resources ²	0 *	0 *	0	0	0
Enterprise & Troy Resources ⁸	0.2	0	0.2	0	0
Total Firm Sales	<u>4</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>4</u>
TSPR (System Load Net - Firm Purchases + Firm Sales)	<u>2,052</u>	<u>1,619</u>	<u>2,052</u>	<u>1,618</u>	<u>3,671</u>

Individual Companies	
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Evergy KS Central (EKC) December 22 @ 1900	Evergy KS South (EKS) December 22 @ 0900
--	--

Total Evergy Kansas Central		
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EKC Contribution	EKS Contribution	Evergy KS Central
December 22 @ 0900		

IV) FERC FORM 1, PAGE 401b LOAD⁵

less: Non-Generating Cities ⁶	0	0	0	0	0
Independent Coops ⁷	0	0	0	0	0
Total Non-Generating Load	0	0	0	0	0
 Total 401b Load (TSPR - Non Gen.)	2,052	1,619	2,052	1,618	3,671

V) RETAIL

less: KEPCo					
KEPCo - Westar	136	148	136	148	285
KEPCo - MKEC (WPEK)	44	0	44	0	44
KEPCo - Midwest	9	0	9	0	9
KEPCo - EDE	5	0	5	0	5
KEPCo - KCPL	22	0	22	0	22
less: McPherson	139	0	139	0	139
less: GFR Munis	9	2	9	2	10
less: GFR Coops	51	0	51	0	51
 add: KEPCo Resources ⁴	128	88	128	88	215
McPherson Resources	35	0	35	0	35

RETAIL LOAD:	1,800	1,557	1,800	1,556	3,356
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VI) TOTAL SYSTEM CAPACITY RESPONSIBILITY*	2,415	1,905	2,415	1,904	4,319
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VII) NOTES:

* The SPP Criteria document, Section 2.1.9, references the minimum capacity margin, which is currently 15%. SPP member companies would have to approve any change to this amount.

2 SPA resources include capacity and firm energy from the Southwestern Power Administration contract

3 GRDA resources include capacity and firm energy from the Grand River Dam Authority.

4 KEPCo resources includes WCGS (Wolf Creek Generation Services), SPA (Southwestern Power Admin), Sharpe Generation, WAPA (Western Area Power Administration). They are listed on KEPCo's monthly bill.

2) Allocation of KEPCo Resources

a) KEPCo's Resources

	Maximum Capacity (kW)	Proration North	Proration South
WCGS	70,000		
SPA - Firm	100,000		
Sharpe Generation	0		
WAPA	13,386		
Iatan II	32,000		
Total	215,386	127,828	87,558

Effective March 2014, allocation of KEPCo's resources has been changed to allow 100% of their resources to be allocated based on the load share shown in cells M57:M61 for EKC and O57:O61 for EKS. This is due to changes resulting from the new SPP market. Sharpe generation is not included. Discussed with Julie Lux, Chris O'Neill, and Bill Birnel

	North Peak Metered	South Peak Metered	EKC Peak North	EKS Peak South	Demand* Loss Factors (From Bills)	North Peak Loss Adjusted	South Peak Loss Adjusted	WR Peak Loss Adjusted	WR Peak Loss Adjusted
	December 22 @ 1900	December 22 @ 0900	December 22 @ 0900	December 22 @ 0900		December 22 @ 1900	December 22 @ 0900	December 22 @ 0900	December 22 @ 0900
KEPCo - SECI [fka MKEC]	44		44		1.0512	46.2927	0.0000	46.2927	0.0000
KEPCo - Midwest	9		9		1.0426	9.5356	0.0000	9.5356	0.0000
KEPCo - EDE	5		5		1.0271	5.2156	0.0000	5.2156	0.0000
KEPCo - KCPL	22		22		1.0190	22.2641	0.0000	22.2641	0.0000
						83.3081	0.0000	83.3081	0.0000

*20200528 -Per Wholesale billing, the Demand LF remain the same ur

KEPCo - EKC -- Calculate loss Adjustments for KEPCo-EKC and EKS. These values are used in the GFR Calculation on Worksheet D only. Enter only the values shown in yellow.

O1	48.531	28.269	48.531	28.269	1.0307	50.0209	29.1369	50.0209	29.1369
O10	-0.173	0	-0.173	0	1.0867	-0.1880	0.0000	-0.1880	0.0000
O11	0	0	0	0	1.1082	0.0000	0.0000	0.0000	0.0000
O2	47.229	97.864	47.229	97.864	1.0367	48.9623	101.4556	48.9623	101.4556
O4	40.872	19.272	40.872	19.272	1.0522	43.0055	20.2780	43.0055	20.2780
O5	0	2.86	0	2.86	1.0583	0.0000	3.0267	0.0000	3.0267
O6	0	0	0	0	1.0583	0.0000	0.0000	0.0000	0.0000
O8	0.007	0.063	0.007	0.063	1.0796	0.0076	0.0680	0.0076	0.0680
O9	-0.031	0	-0.031	0	1.0456	-0.0324	0.0000	-0.0324	0.0000
O12	-0.0003	0	-0.0003	0	1.0892	-0.0003	0.0000	-0.0003	0.0000
KEPCo - EKC	136.4347	148.328	136.4347	148.328		141.7755	153.9652	141.7755	153.9652

VIII) NON-GENERATING CITIES

5 The load reported on page 401b is requirements load associated with requirement energy reported on Form 1, page 311

6 Non-Generating cities only includes the City of Altamont. Effective 04/01/2015, Altamont became part of KMEA & will no longer be tracked.

EKC	North Peak		SPA Cap Credit	North Peak Loss Adjusted	EKS	South Peak		SPA Cap Credit	Loss Adjusted
	Metered	December 22 @ 1900				Metered	December 22 @ 0900		
Alma (WSPP)	1,783			1,848	Bronson	413			437
Elwood	1,433			1,508	Mindenmines	555			584
Enterprise (City & Indust Park)	924		-123	836	Mulberry	553			585
Herington	0			0					
Morrill	213			224					
Muscotah	189			199					
Robinson	218			229					
Scranton	776			821					
Troy	1,563		-101	1,510					
Vermillion	160			168					
Wathena (WSPP)	1,587			1,670					
GFR Munis	8,846			9,014					1,606

Altamont (Cell G49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked. The value is set to zero

WR Peak Metered	December 22 @ 0900	SPA Cap Credit	North Peak Loss Adjusted	WR	WR Peak Metered	December 22 @ 0900	SPA Cap Credit	WR Peak Loss Adjusted
Elwood	1,433		1,508	Mindenmines	555		584	
Enterprise	924	-123	836	Mulberry	553		585	
Herington	0		0					
Morrill	213		224					
Muscotah	189		199					
Robinson	218		229					
Scranton	776		821					
Troy	1,563	-101	1,510					
Vermillion	160		168					
Wathena	1,587		1,670					
GFR Munis	8,846		9,014					1,606

Altamont (Cell M49) 0 <===== Effective 4/1/2015, Altamont will become part of KMEA and will no longer be tracked.

Savonburg & Toronto Effective 6/1/2019, early GFR termination. Now under new MBR agreement.
 Arma, Blue Mound, La Harpe, Lindsborg, Moran Effective 6/1/2020, GFR termination. Became part of KMEA.
 Elsmore Effective 6/1/2020, GFR termination. Now under new MBR agreement.

7 Independent Coops are now under the GFR contracts:
 8 WAPA resources include capacity and firm energy from the Western Area Power Administration.

EKC	Peak		SPA Cap Credit	Peak Loss Adjusted
	Metered	December 22 @ 1900		
Doniphan	4,747		-2,000	2,965
Free State (Previously Kaw Valley)	35,985		-1,000	36,153
Nemaha Marshall	10,418		-2,301	7,108
	51,150			46,226

Confirmed w B. St Louis, Capacity Credit should be applied.

WR	Peak		SPA Cap Credit	Peak Loss Adjusted
	Metered	December 22 @ 0900		
Doniphan	4,747		-2,000	2,965
Free State (Previously Kaw Valley)	35,985		-1,000	36,153
Nemaha Marshall	10,418		-2,301	7,108
	51,150			46,226

Confirmed w B. St Louis, Capacity Credit should be applied.

	North Peak Metered	South Peak Metered	WR Peak Metered	Demand Loss Factors (From Bills)	Peak Loss Adjusted	Peak Loss Adjusted	Peak Loss Adjusted
	December 22 @ 1900	December 22 @ 0900	December 22 @ 0900		December 22 @ 1900	December 22 @ 0900	December 22 @ 0900
O2 WR30-Alma	1.783	1.783	1.783	0.0367	1,848	1,848	1,848
O5 WR30-Bronson	0.413	0.413	0.413	0.0583	437	437	437
O4 DPEC30-Bellevue	0.792	0.792	0.792	0.0522	833	833	833

O1 DPEC30-Blair	1.387	1.387	1.387
O4 DPEC30-Midway	0.552	0.552	0.552
O4 DPEC30-Troy	2.016	2.016	2.016
O4 WR30-Elwood	1.433	1.433	1.433
O2 WR30-Enterprise City	0.856	0.856	0.856
O4 WR30-Enterprise Industrial Park	0.068	0.068	0.068
O2 WR30-Herington			
O4 FSEC30-Baldwin Creek	1.797	1.797	1.797
O4 FSEC30-Banning Corner	0.138	0.138	0.138
O1 FSEC30-Carbondale	4.158	4.158	4.158
O2 FSEC30-Crooked Post	11.033	11.033	11.033
O1 FSEC30-Delia 2	2.733	2.733	2.733
O1 FSEC30-Hoyt	0.002	0.002	0.002
O4 FSEC30-K10 REC	0.129	0.129	0.129
O1 FSEC30-Keene	3.951	3.951	3.951
O1 FSEC30-Kiro	3.849	3.849	3.849
O4 FSEC30-Pauline	0.653	0.653	0.653
O4 FSEC30-Scranton	0.545	0.545	0.545
O2 FSEC30-Stull	5.616	5.616	5.616
O4 FSEC30-Watson	1.381	1.381	1.381
O4 WR30-Mindenmines	0.555	0.555	0.555
O4 WR30-Morrill	0.213	0.213	0.213
O6 WR30-Mulberry	0.553	0.553	0.553
O4 WR30-Muscotah	0.189	0.189	0.189
O1 NMEC30-Baileyville	1.804	1.804	1.804
O4 NMEC30-Frankfort	0.553	0.553	0.553
O2 NMEC30-Goff	1.34	1.34	1.34
O2 NMEC30-Hanover	0.861	0.861	0.861
O2 NMEC30-King Hill	0	0	0
O1 NMEC30-Irish Creek	0	0	0
O2 NMEC30-Lone Elm	0.934	0.934	0.934
O1 NMEC30-Marshall Co Aux	0	0	0
O2 NMEC30-Marysville	1.499	1.499	1.499
O2 NMEC30-Seneca	2.197	2.197	2.197
O1 NMEC30-Snipe Creek	1.23	1.23	1.23
O1 NMEC Soldier Creek Aux	0	0	0
O4 WR30-Robinson	0.218	0.218	0.218
O5 WR30-Scranton	0.776	0.776	0.776
O1 WR30-Troy	1.563	1.563	1.563
O4 WR30-Vermillion	0.16	0.16	0.16
O4 WR30-Wathena	1.587	1.587	1.587

0.0307	1,430	1,430	1,430
0.0522	581	581	581
0.0522	2,121	2,121	2,121
0.0522	1,508	1,508	1,508
0.0367	887	887	887
0.0522	72	72	72
0.0522	1,891	1,891	1,891
0.0522	145	145	145
0.0307	4,286	4,286	4,286
0.0367	11,438	11,438	11,438
0.0307	2,817	2,817	2,817
0.0307	2	2	2
0.0522			
0.0307	4,072	4,072	4,072
0.0307	3,967	3,967	3,967
0.0522	687	687	687
0.0522	573	573	573
0.0367	5,822	5,822	5,822
0.0522	1,453	1,453	1,453
0.0522	584	584	584
0.0522	224	224	224
0.0583	585	585	585
0.0522	199	199	199
0.0307	1,859	1,859	1,859
0.0522	582	582	582
0.0367			
0.0367	893	893	893
0.0367	0	0	0
0.0307	0	0	0
0.0367	968	968	968
0.0307			
0.0367	1,554	1,554	1,554
0.0367	2,278	2,278	2,278
0.0367	1,275	1,275	1,275
0.0307	0	0	0
0.0522	229	229	229
0.0583	821	821	821
0.0307	1,611	1,611	1,611
0.0522	168	168	168
0.0522	1,670	1,670	1,670

November 2021 - Irish Creek Added at O1 LF

Effective 2/1/22 NMEC30-Smittyville Renamed NMEC30-Snipe Creek and LF changed from O2 to O1

September 2021 Approved update of Troy to O1 LF

Determination of GFR Divisor

Exclusion of Demands included in Revenue Reflected in Revenue Credits on Worksheet D

	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
	<u>JAN 6 @</u>	<u>FEB 23 @</u>	<u>MAR 10 @</u>	<u>APRIL 29 @</u>	<u>MAY 10 @</u>	<u>JUNE 16</u>	<u>JULY 22</u>	<u>AUGUST 2</u>	<u>SEPTEMBER</u>	<u>OCTOBER 6</u>	<u>NOVEMBER</u>	<u>DECEMBER</u>
	<u>1000</u>	<u>1000</u>	<u>1900</u>	<u>1700</u>	<u>1700</u>	<u>@ 1700</u>	<u>@ 1700</u>	<u>@ 1700</u>	<u>20 @ 1700</u>	<u>@ 1700</u>	<u>30 @ 0800</u>	<u>22 @ 0900</u>
EVERGY KANSAS CENTRAL PEAK												
TOTAL SYSTEM 401B LOAD RESPONSIBILITY - EKC (North)	1,798.13	1,861.33	1,600.67	1,433.38	2,288.06	2,593.89	2,648.83	2,715.50	2,573.97	1,653.48	1,588.57	2,052.33
LESS: DEMAND FOR REVENUE IN REVENUE CREDIT												
Alma (WSPP)	1.858	1.988	1.743	1.848	2.845	3.166	3.351	3.367	3.446	2.194	1.920	1.848
Elwood	1.290	1.366	1.195	0.541	1.687	2.027	2.076	2.264	2.007	0.889	1.132	1.508
Enterprise	0.716	0.701	0.580	0.596	0.337	1.223	1.066	1.163	1.112	0.500	0.580	0.836
Herington	3.288	3.507	2.874	2.605	4.805	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Lindsborg	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Morrill	0.193	0.184	0.148	0.121	0.273	0.335	0.342	0.370	0.368	0.183	0.143	0.224
Muscotah	0.152	0.138	0.136	0.089	0.207	0.284	0.273	0.274	0.254	0.113	0.107	0.199
Robinson	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.154	0.229
Scranton	0.187	0.165	0.158	0.097	0.223	0.275	0.304	0.331	0.307	0.124	0.585	0.821
Troy	0.615	0.522	0.406	0.272	0.804	0.924	1.011	1.045	0.958	0.453	1.005	1.510
Vermillion	1.428	1.365	1.063	0.617	1.647	1.933	2.011	2.139	2.060	0.880	0.117	0.168
Wathena (WSPP)	0.145	0.141	0.113	0.070	0.140	0.154	0.185	0.198	0.194	0.079	1.112	1.670
Doniphan	1.624	1.317	1.007	-0.352	1.457	2.284	2.524	2.763	3.120	0.843	1.004	2.965
Kaw Valley	27.088	29.266	23.566	14.165	29.024	35.101	37.866	36.929	34.821	14.635	20.184	36.153
Nemaha-Marshall	5.495	5.182	4.444	1.794	5.482	6.540	7.277	8.179	8.323	3.237	4.259	7.108
KEPCo	63.002	59.917	45.841	-7.597	53.213	79.702	92.461	88.774	74.418	-5.368	34.516	97.256
McPherson	<u>94.227</u>	<u>98.227</u>	<u>95.682</u>	<u>105.682</u>	<u>117.682</u>	<u>127.682</u>	<u>124.682</u>	<u>126.682</u>	<u>112.682</u>	<u>101.682</u>	<u>87.682</u>	<u>103.682</u>
Total	201.306	203.984	178.954	120.550	219.827	261.628	275.428	274.479	244.069	120.443	154.499	256.178
GFR DIVISOR LOAD - EKC (North)	1,596.83	1,657.35	1,421.71	1,312.83	2,068.24	2,332.26	2,373.40	2,441.02	2,329.90	1,533.04	1,434.07	1,796.15
TOTAL SYSTEM 401B LOAD RESPONSIBILITY - EKS (South)	1,500.22	1,455.13	1,376.34	1,456.58	1,963.98	2,241.90	2,219.84	2,271.37	2,081.94	1,365.40	1,299.34	1,618.44
LESS: DEMAND FOR REVENUE IN REVENUE CREDIT												
City of Arma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Blue Mound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Bronson	0.32	0.36	0.30	0.18	0.35	0.47	0.50	0.52	0.48	0.22	0.28	0.44
City of Elsmore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of LaHarpe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Mindenmines	0.44	0.49	0.37	0.17	0.32	0.48	0.49	0.52	0.47	0.22	0.38	0.58
City of Moran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Mulberry	0.44	0.42	0.30	0.21	0.42	0.65	0.69	0.71	0.63	0.27	0.34	0.59
KEPCo	<u>37.52</u>	<u>37.96</u>	<u>27.75</u>	<u>-4.45</u>	<u>32.39</u>	<u>48.72</u>	<u>58.88</u>	<u>58.21</u>	<u>45.48</u>	<u>-3.56</u>	<u>21.56</u>	<u>66.41</u>
Total	38.72	39.23	28.72	-3.88	33.49	50.32	60.56	59.96	47.07	-2.85	22.56	68.01
GFR DIVISOR LOAD - EKS (South)	1,461.50	1,415.90	1,347.62	1,460.46	1,930.49	2,191.58	2,159.28	2,211.41	2,034.87	1,368.25	1,276.78	1,550.43
TOTAL SYSTEM 401B LOAD RESPONSIBILITY - EKC	3,298.36	3,316.46	2,977.00	2,889.96	4,252.04	4,835.79	4,868.68	4,986.87	4,655.91	3,018.88	2,887.90	3,670.77
LESS: DEMAND FOR REVENUE IN REVENUE CREDIT												
City of Alma	1.86	1.99	1.74	1.85	2.84	3.17	3.35	3.37	3.45	2.19	1.92	1.85
City of Arma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Blue Mound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Bronson	0.32	0.36	0.30	0.18	0.35	0.47	0.50	0.52	0.48	0.22	0.28	0.44
City of Elsmore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Elwood	1.29	1.37	1.20	0.54	1.69	2.03	2.08	2.26	2.01	0.89	1.13	1.51
City of Enterprise	0.72	0.70	0.58	0.60	0.34	1.22	1.07	1.16	1.11	0.50	0.58	0.84
City of Herington	3.29	3.51	2.87	2.61	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of LaHarpe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Lindsborg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Mindenmines	0.44	0.49	0.37	0.17	0.32	0.48	0.49	0.52	0.47	0.22	0.38	0.58
City of Moran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Morrill	0.19	0.18	0.15	0.12	0.27	0.33	0.34	0.37	0.37	0.18	0.14	0.22
City of Mulberry	0.44	0.42	0.30	0.21	0.42	0.65	0.69	0.71	0.63	0.27	0.34	0.59
City of Muscotah	0.15	0.14	0.14	0.09	0.21	0.28	0.27	0.27	0.25	0.11	0.11	0.20
City of Robinson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.23
City of Scranton	0.19	0.17	0.16	0.10	0.22	0.27	0.30	0.33	0.31	0.12	0.59	0.82
City of Troy	0.62	0.52	0.41	0.27	0.80	0.92	1.01	1.05	0.96	0.45	1.00	1.51
City of Vermillion	1.43	1.36	1.06	0.62	1.65	1.93	2.01	2.14	2.06	0.88	0.12	0.17
City of Wathena	0.15	0.14	0.11	0.07	0.14	0.15	0.19	0.20	0.19	0.08	1.11	1.67
Doniphan	1.62	1.32	1.01	-0.35	1.46	2.28	2.52	2.76	3.12	0.84	1.00	2.96
Kaw Valley	27.09	29.27	23.57	14.17	29.02	35.10	37.87	36.93	34.82	14.63	20.18	36.15
Nemaha-Marshall	5.49	5.18	4.44	1.79	5.48	6.54	7.28	8.18	8.32	3.24	4.26	7.11
KEPCo	100.52	97.88	73.59	-12.05	85.61	128.42	151.34	146.98	119.90	-8.93	56.07	163.66
McPherson	<u>94.23</u>	<u>98.23</u>	<u>95.68</u>	<u>105.68</u>	<u>117.68</u>	<u>127.68</u>	<u>124.68</u>	<u>126.68</u>	<u>112.68</u>	<u>101.68</u>	<u>87.68</u>	<u>103.68</u>
Total	240.03	243.21	207.67	116.67	253.31	311.95	335.99	334.44	291.14	117.60	177.06	324.19
GFR DIVISOR LOAD - EVERGY KANSAS CENTRAL	3,058.33	3,073.25	2,769.33	2,773.29	3,998.73	4,523.84	4,532.69	4,652.43	4,364.78	2,901.29	2,710.85	3,346.58