

BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS

Received
on

FEB 11 2013

In the Matter of Annual Compliance Filings)
by Electric Utilities for the Kansas Generation)
Planning Survey, Pursuant to K.S.A. 2011)
Supp. 66-1282, and as Required by)
Commission Order in Docket No. 99-GIME-)
321-GIE.)

Docket No. 13-GIME-256-CPL
by
State Corporation Commission
of Kansas

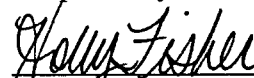
NOTICE OF FILING OF UTILITY COMPLIANCE REPORTS

Staff hereby files the attached compliance reports on behalf of the utilities filing as required by Commission Order in Docket No. 99-GIME-321-GIE. The following reports are attached hereto and incorporated by reference:

Attachment A: Kansas City Board of Public Utilities
Attachment B: Kansas City Municipal Energy Agency
Attachment C: Midwest Energy, Inc.
Attachment D: Westar Energy
Attachment E: Kansas Electric Power Cooperative, Inc.
Attachment F: Kansas Power Pool
Attachment G: Sunflower Electric

WHEREFORE, Staff requests the Commission accept the utilities' compliance filings for informational purposes and for such other and further relief as the Commission deems just and proper.

Respectfully submitted,



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Attorney for Commission Staff

ATTACHMENT "A"

Kansas City Board of Public
Forecasted System Generatic

	2007	2008	Historical 2009	2010	2011 *	2012	2013	2014	2015	2016	2017	2018
1) Firm Wholesale MWh Sales												
Columbia	158,471	150,235	146,819	150,820	146,230	8,300	16,000	-	-	-	-	-
KMEA	275,885	247,828	149,658	145,316	131,451	92,775	119,365	118,665	97,250	110,095	109,940	109,960
Total Firm Wholesale MWh Sales	434,356	398,063	296,477	296,136	277,681	101,075	135,365	118,665	97,250	110,095	109,940	109,960
2) Firm Wholesale MWh Purchases												
SWPA	105,250	154,290	130,660	116,450	93,860	76,125	92,320	92,320	92,320	92,320	92,320	92,320
WAPA	14,910	14,910	14,890	14,840	14,800	14,834	14,834	14,834	14,834	14,834	14,834	14,834
Oak Grove	-	-	-	10,360	12,770	11,408	11,684	15,816	15,790	15,816	15,784	15,794
Smoky Hills	-	80,690	52,730	91,730	92,910	99,870	99,713	99,628	100,193	98,912	100,052	99,228
Bowersock	-	-	-	-	-	3,334	28,459	32,727	32,727	32,805	32,727	32,727
Total Firm Wholesale MWh Purchases	120,160	249,890	198,280	233,380	214,340	205,571	247,009	255,324	255,863	254,687	255,718	254,902
3) Native Load												
Total Annual Retail Electricity Sales	2,597,143	2,531,584	2,392,589	2,585,112	2,465,275	2,495,153	2,505,279	2,512,511	2,524,910	2,535,003	2,542,193	2,552,254
Plus: Total Firm MWh Sales	434,356	398,063	296,477	296,136	277,681	101,075	135,365	118,665	97,250	110,095	109,940	109,960
Less: Total Firm MWh Purchases	120,160	249,890	198,280	233,380	214,340	205,571	247,009	255,324	255,863	254,687	255,718	254,902
Native Load	2,911,339	2,679,757	2,490,786	2,647,868	2,528,616	2,390,657	2,393,636	2,375,853	2,366,297	2,390,412	2,396,417	2,407,312
system load growth		-7.95%	-7.05%	6.31%	-4.50%	-5.46%	0.12%	-0.74%	-0.40%	1.02%	0.25%	0.45%
4) Owned MWh Generation												
Nearman	1,630,510	1,520,660	1,329,850	1,479,050	1,474,450	894,086	1,354,278	1,494,561	1,162,514	1,345,599	1,443,394	1,430,180
Quindaro 1	484,246	542,683	492,679	497,301	451,850	557,528	545,211	480,415	504,821	504,443	446,435	506,891
Quindaro 2	656,307	525,991	611,095	580,361	544,820	381,573	499,641	454,198	566,120	554,084	543,475	482,285
CT-1	-	-	-	150	-	21	-	-	-	-	-	-
CT-2	503	-	-	1,335	-	144	198	198	180	162	162	180
CT-3	348	-	-	331	-	126	198	180	144	144	198	198
CT-4	21,330	12,230	12,850	33,460	54,340	62,685	1,359	2,282	7,150	13,004	19,619	11,261
Dogwood	-	-	-	-	-	-	40,054	46,257	181,850	137,640	118,095	124,198
Total Annual MWh Generation from Owned Assets	2,793,244	2,601,564	2,446,474	2,591,988	2,525,460	1,896,163	2,440,939	2,478,090	2,422,778	2,555,075	2,571,378	2,555,193

Note Line 21 includes system losses, free to city and interdepartmental usage

Note 2011 data is Jan thru Aug actual with forecast Sept thru Dec.

Utilities
in Needs

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2019	2020	2021	Projected 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
-	-	-	-	-	-	-	-	-	-	-	-	-
116,895	117,560	117,240	40,935	-	-	-	-	-	-	-	-	-
<u>116,895</u>	<u>117,560</u>	<u>117,240</u>	<u>40,935</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
92,320	92,320	92,320	92,320	92,320	92,320	92,320	92,320	92,320	92,320	92,320	92,320	92,320
14,834	14,834	14,834	14,834	14,834	14,834	14,834	14,834	14,834	14,834	14,834	14,834	14,834
15,764	15,816	15,816	15,744	15,768	15,816	15,800	15,780	15,818	15,818	15,798	15,768	15,802
99,631	100,681	99,543	98,350	99,177	100,167	100,062	99,998	99,564	99,344	99,100	100,043	100,307
32,727	32,805	32,727	32,727	32,727	32,805	32,727	32,727	32,727	32,805	32,727	32,727	32,727
<u>255,275</u>	<u>256,456</u>	<u>255,239</u>	<u>253,974</u>	<u>254,826</u>	<u>255,942</u>	<u>255,742</u>	<u>255,658</u>	<u>255,262</u>	<u>255,120</u>	<u>254,778</u>	<u>255,691</u>	<u>255,989</u>
2,554,025	2,583,166	2,570,189	2,576,988	2,583,045	2,592,089	2,598,030	2,608,182	2,613,546	2,620,851	2,627,970	2,636,922	2,649,979
116,895	117,560	117,240	40,935	-	-	-	-	-	-	-	-	-
<u>255,275</u>	<u>256,456</u>	<u>255,239</u>	<u>253,974</u>	<u>254,826</u>	<u>255,942</u>	<u>255,742</u>	<u>255,658</u>	<u>255,262</u>	<u>255,120</u>	<u>254,778</u>	<u>255,691</u>	<u>255,989</u>
<u>2,415,645</u>	<u>2,424,270</u>	<u>2,432,190</u>	<u>2,363,949</u>	<u>2,328,220</u>	<u>2,336,147</u>	<u>2,342,288</u>	<u>2,352,524</u>	<u>2,358,284</u>	<u>2,365,731</u>	<u>2,373,192</u>	<u>2,381,231</u>	<u>2,393,990</u>
0.35%	0.36%	0.33%	-2.81%	-1.51%	0.34%	0.26%	0.44%	0.24%	0.32%	0.32%	0.34%	0.54%
1,495,586	1,500,855	1,497,577	1,492,307	1,484,141	1,501,783	1,492,050	1,503,320	1,523,687	1,508,171	1,547,663	1,564,402	1,580,790
538,322	538,863	538,883	535,192	532,024	538,762	537,162	538,370	536,184	534,572	538,033	540,906	541,778
551,485	561,314	558,304	549,207	542,835	545,783	546,219	549,777	549,132	553,133	552,952	551,762	554,608
-	-	-	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-	-	-
216	162	180	180	-	-	-	-	-	-	-	-	-
15,150	9,171	11,252	9,782	9,256	6,710	9,528	9,075	8,374	9,092	10,369	13,382	-
92,663	86,506	90,476	70,504	66,461	73,928	57,393	63,091	60,856	66,699	66,634	71,617	71,659
<u>2,693,602</u>	<u>2,696,871</u>	<u>2,698,672</u>	<u>2,657,172</u>	<u>2,634,717</u>	<u>2,668,966</u>	<u>2,642,352</u>	<u>2,663,631</u>	<u>2,678,233</u>	<u>2,671,668</u>	<u>2,715,650</u>	<u>2,742,069</u>	<u>2,748,835</u>

Kansas City Board of Public Utilities
Forecasted System Capacity Responsibility

	Historical					Forecasted System Capacity Responsibility										Proje
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
1) System Peak:																
Total Kansas Retail System Peak	512	492	471	501	502	495	499	501	503	505	506	507	508	509	510	
<i>Plus:</i> Wholesale Contracts																
Columbia Missouri *	20	20	20	20	20	20	0	0	0	0	0	0	0	0	0	
Kansas Municipal Energy Agency *	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
Total System Peak	512	492	471	501	502	495	499	501	503	505	506	507	508	509	510	
<i>system peak load growth</i>		-3.91%	-4.27%	6.37%	0.20%	-1.39%	0.81%	0.40%	0.40%	0.40%	0.20%	0.20%	0.20%	0.20%	0.20%	
2) Interruptibles	0	0	0	0	0	2	4	6	6	6	6	6	6	6	6	
Total Interruptible Load	0	0	0	0	0	2	4	6	6	6	6	6	6	6	6	
3) System Capacity Responsibility																
Total System Peak	512	492	471	501	502	495	499	501	503	505	506	507	508	509	510	
<i>Less:</i> Total Interruptible Load	0	0	0	0	0	-2	-4	-6	-6	-6	-6	-6	-6	-6	-6	
Total Load Obligation	512	492	471	501	502	493	495	495	497	499	500	501	502	503	504	
<i>Plus:</i> SPP Required 12% Reserves	70	67	64	68	68	67	68	68	68	68	68	68	68	69	69	
Total System Capacity Responsibility	582	559	535	569	570	560	563	563	565	567	568	569	570	572	573	

* Kansas City BPU is not responsible for maintaining reserves on these sales per the contracts.

* Columbia Contract ends on 6/1/2013

Line 22 multiplied line 18 by (-1)

ected										
2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
511	512	513	514	516	517	518	519	520	522	
0	0	0	0	0	0	0	0	0	0	0
38	38	38	38	38	38	38	38	38	38	38
<u>511</u>	<u>512</u>	<u>513</u>	<u>514</u>	<u>516</u>	<u>517</u>	<u>518</u>	<u>519</u>	<u>520</u>	<u>522</u>	
0.20%	0.20%	0.20%	0.19%	0.39%	0.19%	0.19%	0.19%	0.19%	0.38%	
6	6	6	6	6	6	6	6	6	6	6
<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>
511	512	513	514	516	517	518	519	520	522	
-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
505	506	507	508	510	511	512	513	514	516	
69	69	69	69	70	70	70	70	70	70	70
<u>574</u>	<u>575</u>	<u>576</u>	<u>577</u>	<u>580</u>	<u>581</u>	<u>582</u>	<u>583</u>	<u>584</u>	<u>586</u>	

Kansas City Board of Public Utilities
Forecasted System Capacity

	Historical					Forecasted System Capacity									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1) Accredited Generation:															
Nearman	234.8	234.8	234.8	234.8	234.8	238.1	238.1	238.1	238.1	238.1	238.1	238.1	238.1	238.1	
Quindaro 1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
Quindaro 2	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	
CT1	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4							
CT2	56	56	56	56	56	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	
CT3	51.4	51.4	51.4	51.4	51.4	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	
CT4	75.5	75.5	75.5	75.5	75.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	
Total Accredited Generation	613.4	613.4	613.4	613.4	613.4	614	614	614	601.6	601.6	601.6	601.6	601.6	545.5	
2) Capacity Additions															
Dogwood							100	100	100	100	100	100	100	100	
Total Capacity Additions	0	0	0	0	0	0	100	100	100	100	100	100	100	100	
4) Capacity Purchases:															
SWPA				39	39	39	39	39	39	39	39	39	39	39	
WAPA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Smoky Hills phase 1															
Oak Grove Power Purchases				1.5	1.5	1.5	2	2	4	4	4	4	4	4	
Bowersock Mills & Power						7	7	7	7	7	7	7	7	7	
Total Capacity Purchases	5	5	5	45.5	45.5	52.5	53	53	55	55	55	55	55	55	
5) Capacity Sales:															
Columbia	20	20	20	20	20	20	20	0	0	0	0	0	0	0	
KMEA	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
Total Capacity Sales	58	58	58	58	58	58	58	38	38	38	38	38	38	38	
6) System Capacity															
Total Accredited Generation	613.4	613.4	613.4	613.4	613.4	614	614	614	601.6	601.6	601.6	601.6	601.6	545.5	
Plus: Capacity Additions	0	0	0	0	0	0	100	100	100	100	100	100	100	100	
Total Accredited Generation	613.4	613.4	613.4	613.4	613.4	614	714	714	701.6	701.6	701.6	701.6	701.6	645.5	
Plus: Capacity Purchases	5	5	5	45.5	45.5	52.5	53	53	55	55	55	55	55	55	
Less: Capacity Sales	-58	-58	-58	-58	-58	-58	-58	-38	-38	-38	-38	-38	-38	-38	
Total System Capacity	560.4	560.4	560.4	600.9	600.9	608.5	709	729	718.6	718.6	718.6	718.6	718.6	662.5	

Line 27 Wind capacity equals 0 per SPP planning criteria.

Kansas City Board of Public Utilities
Forecasted Renewable Capacity

	Historical	Forecasted Renewable Capacity										Projected	
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
1) Existing Kansas Renewable Capacity:													
Smoky Hills	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	
Oak Grove Power Producers	1.5	1.5	2	2	4	4	4	4	4	4	4	4	
Total Kansas Renewable Capacity	26.7	26.7	27.2	27.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	
2) Existing Out-of-State Renewable Capacity													
SWPA Hydro	39	39	39	39	39	39	39	39	39	39	39	39	
WAPA Hydro	5	5	5	5	5	5	5	5	5	5	5	5	
Total Existing Out-of-State Renewable Capacity	44	44	44	44	44	44	44	44	44	44	44	44	
3) Kansas-based Renewable Capacity Additions													
Bowersock Mills & Power		7	7	7	7	7	7	7	7	7	7	7	
Future Wind Purchase										25	25	25	
Total Kansas-based Renewable Capacity Additions	0	7	7	7	7	7	7	7	7	32	32	32	
4) Out-of-State Renewable Capacity Additions (Plant/Unit Name)													
Total Out-of-State Renewable Capacity Additions	0	0	0	0	0	0	0	0	0	0	0	0	
5) Renewable Capacity Required for Other Jurisdictions (State or Jurisdiction)													
Total Renewable Capacity Required for Other Jurisdictions	0	0	0	0	0	0	0	0	0	0	0	0	
6) In-State Renewable Capacity per RES Act													
Total Existing Kansas Renewable Capacity	26.7	26.7	27.2	27.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	
Plus: Kansas-based Renewable Capacity Additions	0	7	7.0	7	7	7	7	7	7	32	32	32	
Total In-state Renewable Capacity	26.7	33.7	34.2	34.2	36.2	36.2	36.2	36.2	36.2	61.2	61.2	61.2	
Plus: 1.10 Multiplier per RES Act	2.67	3.37	3.42	3.42	3.62	3.62	3.62	3.62	3.62	6.12	6.12	6.12	
Total In-State Renewable Capacity per RES Act	29.37	37.07	37.62	37.62	39.82	39.82	39.82	39.82	39.82	67.32	67.32	67.32	
7) Renewable Capacity Available for RES Act Compliance													
Total In-state Renewable Capacity per RES Act	29.37	37.07	37.62	37.62	39.82	39.82	39.82	39.82	39.82	67.32	67.32	67.32	
Plus: Existing Out-of-State Renewable Capacity	44	44	44	44	44	44	44	44	44	44	44	44	
Plus: Out-of-State Renewable Capacity Additions	0	0	0	0	0	0	0	0	0	0	0	0	
Total Renewable Capacity per RES Act	73.37	81.07	81.62	81.62	83.82	83.82	83.82	83.82	83.82	111.32	111.32	111.32	
Less: Renewable Capacity Required for Other Jurisdictions	0	0	0	0	0	0	0	0	0	0	0	0	
Total Renewable Capacity Available for RES Act Compliance	73.37	81.07	81.62	81.62	83.82	83.82	83.82	83.82	83.82	111.32	111.32	111.32	

Kansas City Board
Forecasted RES Act Compliance

1) **Renewable Capacity Requirement**
 Total Kansas Retail System Peak:
 ***RES Act Requirement
Renewable Capacity Requirement

Historical 2011	2012	2013	2014	2015	2016	2017	2018	2019	
502	495	499	501	503	505	506	507	508	
10%	10%	10%	10%	10%	15%	15%	15%	15%	
49	49	50	50	50	75	75	76	76	
2) Forecasted RES Act Compliance									
Renewable Capacity Requirement	49	49	50	50	50	75	75	76	76
Total Renewable Capacity Available for RES Act Compliance	73	81	82	82	84	84	84	84	84
Renewable Capacity Surplus (Deficit)	25	32	32	32	34	9	8	8	8
<i>Plus: Capacity from Net Metering Customers</i>									
<i>Plus: Renewable Capacity from Renewable Energy Credits Purchased</i>									
<i>Less: Renewable Capacity from Renewable Energy Credits Sold</i>									
Total Forecasted Renewable Capacity Surplus (Deficit)	25	32	32	32	34	9	8	8	8

line 7 corrected formula taking Absolute column label out
 line 9 corrected formula to do a 3 year running average per regulation?

of Public Utilities

	Projected										
2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
509	510	511	512	513	514	516	517	518	519	520	522
20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
101	102	102	102	102	102	103	103	103	103	104	104
101	102	102	102	102	102	103	103	103	103	104	104
111	111	111	111	111	111	111	111	111	111	111	111
10	10	10	9	9	9	9	8	8	8	8	8
10	10	10	9	9	9	9	8	8	8	8	8

ATTACHMENT "B"

pal Energy Agency
Capacity Responsibility

	2007	2008	Historical		2012	2013	2014	2015	2016	2017	2018	2019	
			2009	2010	2011								
1) System Peak:													
Total Kansas Retail System Peak													
<i>Plus: Wholesale Contracts (Company Name)</i>	187.8	192.9	199.9	211.1	210.3	194	200	274	279	285	291	297	303
Total System Peak	<u>187.8</u>	<u>192.9</u>	<u>199.9</u>	<u>211.1</u>	<u>210.3</u>	<u>194</u>	<u>200</u>	<u>274</u>	<u>279</u>	<u>285</u>	<u>291</u>	<u>297</u>	<u>303</u>
<i>system peak load growth</i>		2.72%	3.63%	5.60%	-0.38%	-7.75%	3.09%	37.00%	2.00%	2.00%	2.00%	2.00%	2.00%
2) Interruptibles													
Total Interruptible Load	0	0	0	0	0	0	0	0	0	0	0	0	0
3) System Capacity Responsibility													
Total System Peak	187.8	192.9	199.9	211.1	210.3	194	200	274	279.48	285	291	297	303
<i>Less: Total Interruptible Load</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Obligation	<u>187.8</u>	<u>192.9</u>	<u>199.9</u>	<u>211.1</u>	<u>210.3</u>	<u>194</u>	<u>200</u>	<u>274</u>	<u>279.48</u>	<u>285</u>	<u>291</u>	<u>297</u>	<u>303</u>
<i>Plus: SPP Required 12% Reserves</i>	25.6	26.3	27.3	28.8	28.7	26.5	27.3	37.4	38.1	38.9	39.7	40.4	41.3
Total System Capacity Responsibility	<u>213.4</u>	<u>219.2</u>	<u>227.2</u>	<u>239.9</u>	<u>239.0</u>	<u>220.5</u>	<u>227.3</u>	<u>311.4</u>	<u>317.6</u>	<u>324</u>	<u>330</u>	<u>337</u>	<u>344</u>

Projected											
2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
309	315	321	327	334	341	347	354	362	369	376	384
<u>309</u>	<u>315</u>	<u>321</u>	<u>327</u>	<u>334</u>	<u>341</u>	<u>347</u>	<u>354</u>	<u>362</u>	<u>369</u>	<u>376</u>	<u>384</u>
2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
309	315	321	327	334	341	347	354	362	369	376	384
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
309	315	321	327	334	341	347	354	362	369	376	384
42.1	42.9	43.8	44.7	45.5	46.5	47.4	48.3	49.3	50.3	51.3	52.3
<u>351</u>	<u>358</u>	<u>365</u>	<u>372</u>	<u>380</u>	<u>387</u>	<u>395</u>	<u>403</u>	<u>411</u>	<u>419</u>	<u>427</u>	<u>436</u>

ATTACHMENT "C"

MIDWEST ENERGY, INC.
Forecasted System Generation Ne

	Historical					Forecasted System Generation Ne					
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1) Firm Wholesale MWh Sales											
Various Cities	84,122	128,457	110,560	65,437	66,594	66,436	66,487	66,539	66,591	66,644	66,697
Total Firm Wholesale MWh Sales	84,122	128,457	110,560	65,437	66,594	66,436	66,487	66,539	66,591	66,644	66,697
2) Firm Wholesale MWh Purchases											
Various	1,295,036	1,091,804	1,008,685	1,399,136	1,655,883	1,527,510	1,573,335	1,620,535	1,669,151	1,719,225	1,770,802
Total Firm Wholesale MWh Purchases	1,295,036	1,091,804	1,008,685	1,399,136	1,655,883	1,527,510	1,573,335	1,620,535	1,669,151	1,719,225	1,770,802
3) Native Load											
Total Annual Retail Electricity Sales (MWh)	1,231,126	1,242,624	1,280,782	1,366,271	1,408,335	1,455,777	1,533,963	1,559,407	1,585,241	1,612,035	1,638,831
<i>Plus:</i> Total Firm MWh Sales	84,122	128,457	110,560	65,437	66,594	66,436	66,487	66,539	66,591	66,644	66,697
<i>Less:</i> Total Firm MWh Purchases	1,295,036	1,091,804	1,008,685	1,399,136	1,655,883	1,527,510	1,573,335	1,620,535	1,669,151	1,719,225	1,770,802
Native Load	20,213	279,276	382,657	32,572	-180,954	-5,297	27,115	5,411	-17,319	-40,547	-65,274
<i>system load growth</i>		1281.69%	37.02%	-91.49%	-655.55%	-97.07%	-611.93%	-80.04%	-420.08%	134.12%	60.99%
4) Owned MWh Generation											
Colby Gt	(296)	(41)	(62)	957	800	879	879	879	879	879	879
GMEC/Capacity expansions	-	2,903	34,637	32,680	36,212	34,446	34,446	34,446	34,446	45,928	68,892
Bird City	(69)	(122)	(94)	1	(20)	(10)	(10)	(10)	(10)	(10)	(10)
Great Bend	(41)	(14)	(9)	(11)	(91)	(51)	(51)	(51)	(51)	(51)	(51)
Total Annual MWh Generation from Owned Assets	-406	2726	34472	33627	36901	35264	35264	35264	35264	46746	69710

Notes by Midwest Energy:

- 1 The worksheet provided no provision for reporting wholesale interruptible sales, so none was reported.
- 2 Firm purchases are made under multiple contracts; there is no direct correlation between firm wholesale and/or retail energy sales and firm energy purchases.
- 3 The worksheet provided no provision for reporting system energy losses.
- 4 It is unclear what the intended use of the computed Native Load value will be. We did not alter the formula, though the value of the resultant isn't a real load value.
- 5 The Total Annual MWh Generation from Owned Assets is a net generation value.
- 6 There is no provision for non-firm energy purchases or sales which includes SPP EIS

MIDWEST ENERGY, INC.
Forecasted System Capacity Responsibility

	Historical					Forecasted System Capacity Responsibility										Projected
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1) System Peak:																
Total Kansas Retail System Peak	289	294	296	316	349	354	351	356	361	366	371	376	381	387	393	398
<i>Plus: Wholesale Contracts</i>																
City of St. John Wholesale Firm	2.25	2.25	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Larned Wholesale Firm		4	2	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Stafford Wholesale Firm		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Colby Wholesale Firm	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
City of Jetmore Wholesale Firm	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
City of LaCrosse Wholesale Firm	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
City of Radium - All Requirements	0.082	0.074	0.069	0.081	0.067	0.074	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
City of Seward - All Requirements	0.271	0.34	0.302	0.389	0.535	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56
Total System Peak	298.60	308.66	308.62	323.47	356.60	361.58	358.59	363.60	368.60	373.61	378.61	383.62	388.63	394.63	400.64	405.65
<i>system peak load growth</i>		3.37%	-0.01%	4.81%	10.24%	1.40%	-0.83%	1.40%	1.38%	1.36%	1.34%	1.32%	1.30%	1.55%	1.52%	1.25%
2) Interruptibles																
Total Interruptible Load	0	0	0	-2	-12	-20	-25	-30	-31	-32	-33	-34	-35	-36	-37	-38
3) System Capacity Responsibility																
Total System Peak	298.603	308.664	308.621	323.47	358.602	361.584	358.5898	363.5957	368.6017	373.6077	378.6138	383.6199	388.6261	394.6324	400.6387	405.6451
Less: Total Interruptible Load	0	0	0	-2	-12	-20	-25	-30	-31	-32	-33	-34	-35	-36	-37	-38
Total Load Obligation	298.603	308.664	308.621	321.47	344.602	341.584	333.5898	333.5957	337.6017	341.6077	345.6138	349.6199	353.6261	358.6324	363.6387	367.6451
<i>Plus: SPP Required 12% Reserves</i>	40.71859	42.09055	42.08468	43.83682	46.99118	46.57064	45.48952	45.40033	46.03659	46.58287	47.12915	47.67544	48.22174	48.00442	49.5871	50.13342
Total System Capacity Responsibility	339.3216	350.7545	350.7057	365.3068	391.5932	388.1636	379.0794	379.0861	383.6383	388.1906	392.7429	397.2954	401.8479	407.5368	413.2258	417.7785

2023	2024	2025	2026	2027	2028	2029	2030	2031
404	411	417	424	431	438	445	453	461
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
5	5	5	5	5	5	5	5	5
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09
0.57	0.57	0.58	0.59	0.59	0.60	0.60	0.61	0.62
<u>411.65</u>	<u>418.66</u>	<u>424.66</u>	<u>431.67</u>	<u>438.68</u>	<u>445.68</u>	<u>452.69</u>	<u>460.70</u>	<u>468.71</u>
1.48%	1.70%	1.43%	1.65%	1.62%	1.60%	1.57%	1.77%	1.74%

-39	-40	-41	-42	-43	-44	-45	-46	-47
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411.6516	418.6581	424.6646	431.6713	438.678	445.6848	452.6916	460.6986	468.7055
-39	-40	-41	-42	-43	-44	-45	-46	-47
<u>372.6516</u>	<u>378.6581</u>	<u>383.6646</u>	<u>389.6713</u>	<u>395.678</u>	<u>401.6848</u>	<u>407.6916</u>	<u>414.6986</u>	<u>421.7055</u>
50.81612	51.63519	52.31791	53.13699	53.95609	54.7752	55.59431	56.5498	57.5053
<u>423.4677</u>	<u>430.2933</u>	<u>435.9826</u>	<u>442.8083</u>	<u>449.6341</u>	<u>456.46</u>	<u>463.2859</u>	<u>471.2484</u>	<u>479.2108</u>

MIDWEST ENERGY, INC.
Forecasted System Capacity

	Historical					Forecasted System Capacity											Projected	
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1) Accredited Generation:																		
Goodman Energy Center	0	50	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
Colby Gt	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Bird City	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Great Bend Plant	9	9	9	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0
Total Accredited Generation	26	76	102	99	97	97	91	91	91	91	91	91	91	91	91	91	91	91
2) Capacity Additions																		
Goodman Energy Center Expansion										25	25	25	25	25	25	25	25	25
New Gas-Fired Project										50	50	50	50	50	50	50	50	50
Total Capacity Additions	0	0	0	0	0	0	0	0	0	25	75	75	75	75	75	75	75	75
4) Capacity Purchases:																		
Westar-Sched P	125	125	125															
Westar-Sched WP	40	40	40															
Westar-Sched PPA	60	60	60															
Westar-Sched WPPA	30	30	30															
Westar-Other	75	25																
Westar-JEC Participation				135	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Westar-UML				120	120	120	120	120	100	100	100	100	100	100	100	100	100	100
Westar-UML #2						25	25	25	25	25	0	0	0	0	0	0	0	0
City of Sterling	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
City of Oakley		3.5	4.3	4.3														
Future																		
Total Capacity Purchases	334.5	288	263.8	263.8	274.5	299.5	299.5	299.5	299.5	279.5	254.5	254.5	254.5	250	250	250	250	250
5) Capacity Sales:																		
(Company Name)																		
Total Capacity Sales	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6) System Capacity																		
Total Accredited Generation	26	76	102	99	97	97	91	91	91	91	91	91	91	91	91	91	91	91
Plus: Capacity Additions	0	0	0	0	0	0	0	0	0	25	75	75	75	75	75	75	75	75
Total Accredited Generation	26	76	102	99	97	97	91	91	91	116	166	166	166	166	166	166	166	166
Plus: Capacity Purchases	334.5	288	263.8	263.8	274.5	299.5	299.5	299.5	299.5	279.5	254.5	254.5	254.5	250	250	250	250	250
Less: Capacity Sales	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total System Capacity	360.5	364	365.8	362.8	371.5	396.5	390.5	390.5	390.5	395.5	420.5	420.5	420.5	416	416	416	416	416

MIDWEST ENE

Forecasted RES Act Compliance

	Historical					Forecasted RES Act Compliance					
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1) Renewable Capacity Requirement											
Total Kansas Retail System Peak:	294	296	316	349	354	351	356	361	366	371	376
***RES Act Requirement				0.1	0.1	0.1	0.1	0.1	0.15	0.15	0.15
Renewable Capacity Requirement				<u>30.2</u>	<u>32.03333</u>	<u>33.96667</u>	<u>35.13333</u>	<u>35.36667</u>	<u>53.4</u>	<u>54.15</u>	<u>54.9</u>
2) Forecasted RES Act Compliance											
Renewable Capacity Requirement				30.2	32.03333	33.96667	35.13333	35.36667	53.4	54.15	54.9
Total Renewable Capacity Available for RES Act Compliance				<u>53.9</u>	<u>49</u>	<u>49</u>	<u>49</u>	<u>49</u>	<u>49</u>	<u>49</u>	<u>49</u>
Renewable Capacity Surplus (Deficit)				<u>23.7</u>	<u>16.96667</u>	<u>15.03333</u>	<u>13.86667</u>	<u>13.63333</u>	<u>-4.4</u>	<u>-5.15</u>	<u>-5.9</u>
<i>Plus: Capacity from Net Metering Customers</i>											
<i>Plus: Renewable Capacity from Renewable Energy Credits Purchased</i>											
<i>Less: Renewable Capacity from Renewable Energy Credits Sold</i>											
Total Forecasted Renewable Capacity Surplus (Deficit)				<u>23.7</u>	<u>16.96667</u>	<u>15.03333</u>	<u>13.86667</u>	<u>13.63333</u>	<u>-4.4</u>	<u>-5.15</u>	<u>-5.9</u>

RGY, INC.

2019	2020	2021	Projected									
			2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
381	387	393	398	404	411	417	424	431	438	445	453	461
0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
55.65	75.2	76.26667	77.4	78.53333	79.66667	80.86667	82.13333	83.46667	84.8	86.2	87.6	89.06667
55.65	75.2	76.26667	77.4	78.53333	79.66667	80.86667	82.13333	83.46667	84.8	86.2	87.6	89.06667
49	49	49	49	49	49	49	49	49	49	49	49	49
-6.65	-26.2	-27.2667	-28.4	-29.5333	-30.6667	-31.8667	-33.1333	-34.4667	-35.8	-37.2	-38.6	-40.0667
-6.65	-26.2	-27.2667	-28.4	-29.5333	-30.6667	-31.8667	-33.1333	-34.4667	-35.8	-37.2	-38.6	-40.0667

ATTACHMENT "D"

	Westar Energy										
	Historical						Forecasted System Generation Needs				
	2007	2008	2009	2010	2011	2012 (A)	2013 (F)	2014 (G)	2015	2016	2017
1) Firm Wholesale MWh Sales											
KEPCo (B)	0	0	285,618	1,733,134	1,755,897	1,780,999	1,843,486	1,884,615	1,920,423	1,956,911	1,956,911
McPherson (D)	852,974	856,716	848,000	858,834	896,496	892,460	937,937	966,076	995,058	1,055,657	1,055,657
Municipals and Independent Coops (E)	0	0	3,407	420,986	359,673	364,981	376,957	376,957	376,957	376,957	376,957
Total Firm Wholesale MWh Sales	852,974	856,716	1,137,025	3,012,954	3,012,066	3,038,440	3,158,381	3,227,648	3,292,438	3,389,525	3,389,525
2) Firm Wholesale MWh Purchases											
KEPCo (B)			142,831	945,719	966,617	1,098,517	1,078,427	1,070,134	1,086,961	1,151,259	1,151,259
McPherson (D)	32,492	11,165	13,658	4,585	5,029	9,206	0	0	0	0	0
Total Firm Wholesale MWh Purchases	32,492	11,165	156,489	950,304	971,646	1,107,723	1,078,427	1,070,134	1,086,961	1,151,259	1,151,259
3) Native Load											
Total Annual Retail Electricity Sales (E)	20,047,164	19,711,477	18,881,670	20,032,593	20,259,936	21,570,071	19,714,718	19,775,867	19,898,283	20,004,328	20,102,049
Plus: Total Firm MWh Sales	852,974	856,716	1,137,025	3,012,954	3,012,066	3,038,440	3,158,381	3,227,648	3,292,438	3,389,525	3,389,525
Less: Total Firm MWh Purchases	32,492	11,165	156,489	950,304	971,646	1,107,723	1,078,427	1,070,134	1,086,961	1,151,259	1,151,259
Native Load (C)	20,867,646	20,557,028	19,862,206	22,095,243	22,300,356	23,500,789	21,794,672	21,933,381	22,103,761	22,242,594	22,340,315
<i>system load growth</i>		<i>-1.49%</i>	<i>-3.38%</i>	<i>11.24%</i>	<i>0.93%</i>	<i>5.38%</i>	<i>-7.26%</i>	<i>0.64%</i>	<i>0.78%</i>	<i>0.63%</i>	<i>0.44%</i>
<i>(A) includes YTD Sept 2012 and Oct - Dec 2012 forecast values</i>											
4) Owned MWh Generation											
(Plant/Unit Name)											
Abilene	7,229	4,264	17,087	10,345	6,774	1,013	0	0	0	0	0
Emponia Energy Center		198,484	434,715	373,285	438,191	593,701	447,641	449,031	346,817	288,871	286,689
Evans - diesel	40	41	40		34						
Gorden Evans Energy Center - Steam	511,102	494,560	576,192	485,429	596,120	447,413	502,631	10,062	432	6,587	4,577
Gorden Evans Energy Center - Gas	662,830										
Gorden Evans Energy Center - CTF		66,516	37,917	88,001	161,458	183,433	46,550	36,019	30,912	13,496	20,214
Hutchison Energy Center - Steam	141,540	251,827	143,527	132,565	52,611	57,577	21,921	10,062	432	6,587	4,577
Hutchison Energy Center - Gas	12,953	5,295	598	1,298	856	367	14,833	3,283	979	2,691	1,623
Jeffrey Energy Center - Steam	13,482,076	12,290,312	11,879,389	12,358,599	12,362,865	11,243,272	13,994,024	12,772,067	13,954,532	13,789,986	14,118,822
La Cygne	5,157,405	4,872,244	4,614,728	4,455,049	4,073,841	4,283,393	3,716,721	4,223,114	4,297,542	4,789,795	5,036,120
Lawrence Energy Center	3,509,160	3,781,018	3,318,128	3,367,046	3,514,120	2,919,920	3,658,455	3,344,131	3,311,449	3,461,657	3,506,208
Murray Gill Energy Center	154,450	211,274	233,892	186,662	284,232	188,711	56,419	215,947	150,576	118,872	112,948
Neosho EC	7,171	1,915	(1,181)	(1,649)	1,472	-529	1,231	(1,571)	(1,571)	(1,571)	(1,571)
Spring Creek Energy Center	101,915	15,173	56,480	100,277	118,720	135,482	4,410	3,985	885	278	140
Tecumseh Energy Center - Steam	1,432,516	1,439,665	1,397,538	1,259,573	1,118,804	1,192,932	1,169,807	1,285,387	1,279,124	1,236,180	1,366,528
Tecumseh Energy Center - Gas	(160)	(153)	9	39	62	0	993	1,028	844	43	493
Wolf Creek	4,873,483	3,993,644	4,121,198	4,491,170	3,439,880	3,376,988	4,166,580	4,139,329	4,367,809	4,811,329	4,399,009
Westar Wind	1,015	117									
Central Plains			200,034	296,511	294,992	310,479	302,595	299,430	299,430	300,982	299,430
Flat Ridge			88,220	156,538	159,044	134,266	158,508	141,691	141,691	142,175	141,691
Total Annual MWh Generation from Owned Assests	30,054,725	27,626,196	27,118,511	27,760,738	26,624,075	25,068,418	28,263,319	26,932,995	28,181,883	28,967,958	29,297,498

(A) includes YTD Sept 2012 and Oct - Dec 2012 budget values

(B) KEPCo 2012-2016 Wholesale Sales and Purchases are from the forecast provided by KEPCo. The 2017-2022 KEPCo sales and purchases is based on the 2015-16 growth factors. KEPCO 2009-2012 energy are from the

2018	2019	2020
1,956,911	1,956,911	1,956,911
1,087,327	1,119,946	1,153,545
376,957	376,957	376,957
<u>3,421,195</u>	<u>3,453,815</u>	<u>3,487,413</u>

1,151,259	1,151,259	1,151,259
0	0	0

<u>1,151,259</u>	<u>1,151,259</u>	<u>1,151,259</u>
------------------	------------------	------------------

20,200,388	20,299,353	20,398,953
3,421,195	3,453,815	3,487,413
1,151,259	1,151,259	1,151,259
<u>22,470,324</u>	<u>22,601,909</u>	<u>22,735,107</u>
0.58%	0.59%	0.59%

0	0	0
295,630	392,947	433,641
3,762	178,937	337,952
16,860	16,436	848
3,762	178,937	337,952
1,399	8,002	11,856
14,529,325	14,356,817	14,878,584
5,091,921	5,120,506	5,166,360
3,418,199	3,466,295	3,679,751
101,580	198,679	220,584
(1,571)	(1,571)	(1,571)
0	859	0
1,362,387	1,323,794	1,402,120
79	54	(186)
4,399,009	4,832,161	4,412,545
299,430	299,430	300,982
141,691	141,691	142,175
<u>29,663,463</u>	<u>30,513,974</u>	<u>31,323,593</u>

e KEPCO bills

For

	Historical								
	2007	2008	2009	2010	2011	2012	2013	2014	2015
1) System Peak:									
Total Kansas Retail System Peak	4645	4667	4442	4847	4951	4771	4811	4857	4804
<i>Plus: Wholesale Contracts</i>									
KEPCo (D)	0	0	0	396	376	393	441	447	545
McPherson (E)	121	129	127	138	133	140	150	154	164
Municipals and Independent Coops (A)	0	0	0	88	89	90	90	90	90
Total System Peak	4766	4796	4569	5469	5549	5394	5492	5548	5603
<i>system peak load growth</i>		0.63%	-4.73%	19.70%	1.46%	-2.79%	1.82%	1.02%	0.99%
2) Interruptibles									
Interruptible (B)	-186	-28	0	-155	-28	-30	-109	-109	-109
DSM (C)	0	0	0	-4	-26	-36	-48	-59	-68
Total Interruptible Load	-186	-28	0	-159	-54	-66	-157	-168	-177
3) System Capacity Responsibility									
Total System Peak	4,766	4,796	4,569	5,469	5,549	5,394	5,492	5,548	5,603
Less: Total Interruptible Load	-186	-28	0	-159	-54	-66	-157	-168	-177
Total Load Obligation	4,580	4,768	4,569	5,310	5,495	5,328	5,335	5,380	5,426
<i>Plus: SPP Required 12% Reserves</i>	625	650	623	724	749	727	727	734	740
Total System Capacity Responsibility	5,205	5,418	5,192	6,034	6,244	6,054	6,062	6,114	6,166

(A) 2013-2020 forecasted values based the the current municipals and independent coops.

(B)The 2007-2012 interputible is based on actual load from interruptible customers. The 2013-2022 interruptible load is based 50% of the contract ar

Westar Energy
Recasted System Capacity Responsibility

2016	2017	2018	2019	2020
4943	4992	5041	5089	5137
460	466	473	478	485
168	172	177	181	186
90	90	90	90	90
<u>5661</u>	<u>5720</u>	<u>5781</u>	<u>5838</u>	<u>5898</u>
1.04%	1.04%	1.07%	0.99%	1.03%
-109	-109	-109	-109	-109
-72	-72	-72	-72	-72
<u>-181</u>	<u>-181</u>	<u>-181</u>	<u>-181</u>	<u>-181</u>
5,661	5,720	5,781	5,838	5,898
-181	-181	-181	-181	-181
<u>5,480</u>	<u>5,539</u>	<u>5,600</u>	<u>5,657</u>	<u>5,717</u>
747	755	764	771	780
<u>6,227</u>	<u>6,294</u>	<u>6,363</u>	<u>6,428</u>	<u>6,496</u>

ount.

	Westar Energy									
	Historical		Forecasted Renewable Capacity							
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1) Existing Kansas Renewable Capacity:										
(Plant/Unit Name)										
Central Plains (owned)	99	99	99	99	99	99	99	99	99	99
Meridan Way PPA	96	96	96	96	96	96	96	96	96	96
Flat Ridge (owned)	50	50	50	50	50	50	50	50	50	50
Flat Ridge PPA	50	50	50	50	50	50	50	50	50	50
Ironwood		169	169	169	169	169	169	169	169	169
Post Rock		201	201	201	201	201	201	201	201	201
Rolling Meadows PPA	6	6	6	6	6	6	6	6	6	6
Total Kansas Renewable Capacity	301	671	671	671	671	671	671	671	671	671
2) Existing Out-of-State Renewable Capacity										
(Plant/Unit Name)										
Total Existing Out-of-State Renewable Capacity	0	0	0	0	0	0	0	0	0	0
3) Kansas-based Renewable Capacity Additions										
(Plant/Unit Name)										
Add'l Wind						100	100	100	100	400
Total Kansas-based Renewable Capacity Additions	0	0	0	0	0	100	100	100	100	400
4) Out-of-State Renewable Capacity Additions										
(Plant/Unit Name)										
Total Out-of-State Renewable Capacity Additions	0	0	0	0	0	0	0	0	0	0
5) Renewable Capacity Required for Other Jurisdictions										
(State or Jurisdiction)										
Total Renewable Capacity Required for Other Jurisdictions	0	0	0	0	0	0	0	0	0	0
6) In-State Renewable Capacity per RES Act										
Total Existing Kansas Renewable Capacity	301	671	671	671	671	671	671	671	671	671
Plus: Kansas-based Renewable Capacity Additions	0	0	0	0	0	100	100	100	100	400
Total In-state Renewable Capacity	301	671	671	671	671	771	771	771	771	1071
Plus: 1.10 Multiplier per RES Act	30.1	67.1	67.1	67.1	67.1	77.1	77.1	77.1	77.1	107.1
Total In-State Renewable Capacity per RES Act	331.1	738.1	738.1	738.1	738.1	848.1	848.1	848.1	848.1	1178.1
7) Renewable Capacity Available for RES Act Compliance										
Total In-state Renewable Capacity per RES Act	331.1	738.1	738.1	738.1	738.1	848.1	848.1	848.1	848.1	1178.1
Plus: Existing Out-of-State Renewable Capacity	0	0	0	0	0	0	0	0	0	0
Plus: Out-of-State Renewable Capacity Additions	0	0	0	0	0	0	0	0	0	0
Total Renewable Capacity per RES Act	331.1	738.1	738.1	738.1	738.1	848.1	848.1	848.1	848.1	1178.1
Less: Renewable Capacity Required for Other Jurisdictions	0	0	0	0	0	0	0	0	0	0
Total Renewable Capacity Available for RES Act Compliance	331.1	738.1	738.1	738.1	738.1	848.1	848.1	848.1	848.1	1178.1

Forecasted RES Act Compliance

1) Renewable Capacity Requirement

Total Kansas Retail System Peak:

***RES Act Requirement

Renewable Capacity Requirement

2) Forecasted RES Act Compliance

Renewable Capacity Requirement

Total Renewable Capacity Available for RES Act Compliance

Renewable Capacity Surplus (Deficit)

Plus: Capacity from Net Metering Customers*Plus:* Renewable Capacity from Renewable Energy Credits Purchased*Less:* Renewable Capacity from Renewable Energy Credits Sold

Total Forecasted Renewable Capacity Surplus (Deficit)

	Historical		Projected			Forecasted RES Act Compliance			
	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Kansas Retail System Peak:	4951	4771	4811	4857	4804	4943	4992	5041	5089
***RES Act Requirement	0.1	0.1	0.1	0.1	0.1	0.15	0.15	0.15	0.15
Renewable Capacity Requirement	495	477	481	486	480	741	749	756	763
Renewable Capacity Requirement	495	477	481	486	480	741	749	756	763
Total Renewable Capacity Available for RES Act Compliance	331	738	738	738	738	848	848	848	848
Renewable Capacity Surplus (Deficit)	-164	261	257	252	258	107	99	92	85
Renewable Capacity Surplus (Deficit)	-164	261	257	252	258	107	99	92	85

Energy

2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
5137	5187	5232	5284	5337	5391	5444	5499	5554	5609	5666	5722
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1027	1037	1046	1057	1067	1078	1089	1100	1111	1122	1133	1144
1027	1037	1046	1057	1067	1078	1089	1100	1111	1122	1133	1144
1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178
151	141	132	121	111	100	89	78	67	56	45	34
151	141	132	121	111	100	89	78	67	56	45	34

ATTACHMENT "E"

Kansas Electric Power Cooperative, Inc. (KEPCo)
Forecasted System Generation Needs

	2007	2008	Historical		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
			2009												
1) Firm Wholesale MWh Sales															
KEPCo Members (Delivered, excluding losses)	1,868,185	1,965,982	1,962,571	2,095,436	2,155,912	2,139,656	2,233,429	2,414,532	2,515,344	2,564,053	2,619,682	2,671,929	2,724,312	2,776,919	
Total Firm Wholesale MWh Sales	1,868,185	1,965,982	1,962,571	2,095,436	2,155,912	2,139,656	2,233,429	2,414,532	2,515,344	2,564,053	2,619,682	2,671,929	2,724,312	2,776,919	
2) Firm Wholesale MWh Purchases															
Westar Energy	674,282	662,599	690,900	787,419	810,039	769,850	734,145	953,143	983,000	1,017,017	953,408	1,215,188	1,466,522	1,467,437	
Kansas City Power & Light Company	60,823	61,691	65,482	75,428	70,874	28,129									
Sunflower Electric Power Corporation	237,892	315,409	315,731	347,165	376,127	371,977	473,813	467,770	502,975	530,132	565,804	447,499	240,586	242,459	
Southwestern Power Administration	268,531	413,740	347,926	300,687	239,264	226,146	260,200	260,200	260,200	260,200	260,200	257,500	257,500	257,500	
Western Area Power Administration	88,696	88,696	88,596	88,236	88,236	88,236	88,236	87,809	87,809	87,809	87,809	87,809	86,931	86,931	
City of St. Marys	139	137	121	119	119	106	120	121	122	124	125	126	127	129	
Total Firm Wholesale MWh Purchases	1,330,363	1,542,272	1,508,756	1,599,054	1,584,659	1,484,444	1,556,514	1,769,044	1,834,106	1,895,282	1,867,346	2,008,123	2,051,666	2,054,455	
3) Native Load															
Total Annual Retail Electricity Sales	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Plus: Total Firm MWh Sales	1,868,185	1,965,982	1,962,571	2,095,436	2,155,912	2,139,656	2,233,429	2,414,532	2,515,344	2,564,053	2,619,682	2,671,929	2,724,312	2,776,919	
Less: Total Firm MWh Purchases	1,330,363	1,542,272	1,508,756	1,599,054	1,584,659	1,484,444	1,556,514	1,769,044	1,834,106	1,895,282	1,867,346	2,008,123	2,051,666	2,054,455	
Native Load	537,822	423,710	453,815	496,382	571,253	655,212	676,915	645,489	681,238	668,771	752,336	663,806	672,645	722,464	
<i>system load growth</i>		-21.22%	7.11%	9.38%	15.08%	14.70%	3.31%	-4.64%	5.54%	-1.83%	12.50%	-11.77%	1.33%	7.41%	
4) Owned MWh Generation															
Wolf Creek Nuclear Power Plant (6% share)	623,337	509,969	526,057	573,375	441,151	488,875	519,610	502,330	526,522	528,336	599,184	535,334	535,334	600,826	
Sharpe						155	25	25	25	25	25	25	25	25	
Iatan Unit 2 (3.53% share)				480	194,214	231,330	223,870	216,802	230,826	217,062	230,826	216,430	230,826	217,062	
Total Annual MWh Generation from Owned Assets	623,337	509,969	526,057	573,855	635,365	720,359	743,504	719,156	757,373	745,423	830,035	751,789	768,185	817,913	

Projected

Projected										
2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
2,545,849	2,576,382	2,602,146	2,628,168	2,654,449	2,680,994	2,707,804	2,734,882	2,762,231	2,789,853	2,817,751
<u>2,545,849</u>	<u>2,576,382</u>	<u>2,602,146</u>	<u>2,628,168</u>	<u>2,654,449</u>	<u>2,680,994</u>	<u>2,707,804</u>	<u>2,734,882</u>	<u>2,762,231</u>	<u>2,789,853</u>	<u>2,817,751</u>
1,522,343	1,568,420	1,529,992	1,627,668	1,641,236	1,626,386	1,696,722	1,738,645	1,696,472	1,796,445	1,811,062
257,500	257,500	257,500	257,500	257,500	257,500	257,500	257,500	257,500	257,500	257,500
86,931	86,931	86,931	86,931	86,931	86,931	86,931	86,931	86,931	86,931	86,931
130	131	133	134	135	137	138	139	141	142	144
<u>1,866,904</u>	<u>1,912,983</u>	<u>1,874,555</u>	<u>1,972,233</u>	<u>1,985,802</u>	<u>1,970,953</u>	<u>2,041,291</u>	<u>2,083,216</u>	<u>2,041,043</u>	<u>2,141,018</u>	<u>2,155,636</u>
0	0									
2,545,849	2,576,382	2,602,146	2,628,168	2,654,449	2,680,994	2,707,804	2,734,882	2,762,231	2,789,853	2,817,751
1,866,904	1,912,983	1,874,555	1,972,233	1,985,802	1,970,953	2,041,291	2,083,216	2,041,043	2,141,018	2,155,636
<u>678,945</u>	<u>663,400</u>	<u>727,591</u>	<u>655,935</u>	<u>668,647</u>	<u>710,040</u>	<u>666,513</u>	<u>651,666</u>	<u>721,187</u>	<u>648,835</u>	<u>662,115</u>
-6.02%	-2.29%	9.68%	-9.85%	1.94%	6.19%	-6.13%	-2.23%	10.67%	-10.03%	2.05%
543,974	543,974	600,826	543,974	543,974	600,826	543,974	543,974	600,826	543,974	543,974
25	25	25	25	25	25	25	25	25	25	25
230,826	216,430	230,826	217,062	230,826	216,430	230,826	217,062	230,826	216,430	230,826
<u>774,825</u>	<u>760,429</u>	<u>831,677</u>	<u>761,061</u>	<u>774,825</u>	<u>817,280</u>	<u>774,825</u>	<u>761,061</u>	<u>831,677</u>	<u>760,429</u>	<u>774,825</u>

Kansas Electric Power Cooperative, Inc. (KEPCo)
Forecasted System Capacity Responsibility

	Historical														
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1) System Peak:															
Total Kansas Retail System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Plus:</i> Wholesale Contracts KEPCo Members (Billing Peak)	405	408	401	440	455	452	456	486	500	509	519	528	537	547	
Total System Peak	405	408	401	440	455	452	456	486	500	509	519	528	537	547	
<i>system peak load growth</i>		0.56%	-1.61%	9.65%	3.56%	-0.66%	0.77%	6.49%	2.95%	1.86%	1.94%	1.70%	1.76%	1.77%	
2) Interruptibles*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Interruptible Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3) System Capacity Responsibility															
Total System Peak	405	408	401	440	455	452	456	486	500	509	519	528	537	547	
<i>Less:</i> Total Interruptible Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Load Obligation	405	408	401	440	455	452	456	486	500	509	519	528	537	547	
<i>Plus:</i> SPP Required 12% Reserves	55	56	55	60	62	62	62	66	68	69	71	72	73	75	
Total System Capacity Responsibility	461	463	456	500	518	514	518	552	568	579	590	600	610	621	

KEPCO does not serve retail load. The wholesale sales to our 19 Member distribution coops is the equivalent of a retail load for purposes of calculating an equivalent Kansas Retail System Peak for KEPCO.

Projected										
2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
0	0	0	0	0	0	0	0	0	0	0
512	518	523	528	534	539	544	550	555	561	567
<u>512</u>	<u>518</u>	<u>523</u>	<u>528</u>	<u>534</u>	<u>539</u>	<u>544</u>	<u>550</u>	<u>555</u>	<u>561</u>	<u>567</u>
-6.28%	1.11%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
0	0	0	0	0	0	0	0	0	0	0
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
512	518	523	528	534	539	544	550	555	561	567
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
512	518	523	528	534	539	544	550	555	561	567
70	71	71	72	73	74	74	75	76	76	77
<u>582</u>	<u>589</u>	<u>595</u>	<u>600</u>	<u>606</u>	<u>613</u>	<u>619</u>	<u>625</u>	<u>631</u>	<u>637</u>	<u>644</u>

Kansas Electric Power Coop
Forecasted System

	2007	2008	Historical			2012	2013	2014	2015	2016
			2009	2010	2011					
1) Accredited Generation:										
Wolf Creek Nuclear Plant (6% share)	70	70	70	70	72	72	72	72	72	72
Sharpe	20	20	20	20	20	20	20	20	20	20
Iatan 2 (6% share)					30	31	31	31	31	31
Total Accredited Generation	90	90	90	90	122	123	123	123	123	123
2) Capacity Additions (Unit/Project Name)										
Total Capacity Additions	0	0	0	0	0	0	0	0	0	0
4) Capacity Purchases:										
Westar Energy	214	214	207	244	252	255	300	333	344	350
Kansas City Power & Light Company	14	19	19	22	22	22				
Sunflower Electric Power Corporation	50	57	70	72	72	72	80	77	81	86
Southwestern Power Administration	100	100	100	100	100	100	100	100	100	100
Western Area Power Administration ¹	14	14	14	14	14	14	14	14	14	14
Total Capacity Purchases	391	404	411	452	459	463	494	524	539	550
5) Capacity Sales: (Company Name)										
Total Capacity Sales	0	0	0	0	0	0	0	0	0	0
6) System Capacity										
Total Accredited Generation	90	90	90	90	122	123	123	123	123	123
Plus: Capacity Additions	0	0	0	0	0	0	0	0	0	0
Total Accredited Generation	90	90	90	90	122	123	123	123	123	123
Plus: Capacity Purchases	391	404	411	452	459	463	494	524	539	550
Less: Capacity Sales	0	0	0	0	0	0	0	0	0	0
Total System Capacity	481	494	501	542	581	586	617	647	662	673

Note 1: Assumes Extension of PPA in 2024

erative, Inc. (KEPCo)
m Capacity

				Projected										
2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
<hr/>														
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<hr/>														
356	361	429	439	442	440	444	449	453	458	462	467	472	476	481
91	96													
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
561	571	543	553	556	554	558	563	567	572	576	581	586	590	595
<hr/>														
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<hr/>														
123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
561	571	543	553	556	554	558	563	567	572	576	581	586	590	595
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
684	694	666	676	679	677	681	686	690	695	699	704	709	713	718

Kansas Electric Power Co
Forecasted RES Act Compliance

	2008	2009	2010	Historical 2011	2012	2013	2014	2015	2016	2017	2018
1) Renewable Capacity Requirement											
Total Kansas Retail System Peak:	408	401	440	455	452	456	486	500	509	519	528
***RES Act Requirement				0.1	0.1	0.1	0.1	0.1	0.15	0.15	0.15
Renewable Capacity Requirement				<u>41.6</u>	<u>43.2</u>	<u>44.9</u>	<u>45.5</u>	<u>46.5</u>	<u>72.1</u>	<u>74.7</u>	<u>76.4</u>
2) Forecasted RES Act Compliance											
Renewable Capacity Requirement				42	43	45	45	46	72	75	76
Total Renewable Capacity Available for RES Act Compliance				114	114	114	114	114	114	114	114
Renewable Capacity Surplus (Deficit)				<u>72</u>	<u>71</u>	<u>69</u>	<u>69</u>	<u>68</u>	<u>42</u>	<u>39</u>	<u>38</u>
<i>Plus: Capacity from Net Metering Customers</i>											
<i>Plus: Renewable Capacity from Renewable Energy Credits Purchased</i>											
<i>Less: Renewable Capacity from Renewable Energy Credits Sold</i>											
Total Forecasted Renewable Capacity Surplus (Deficit)				<u>72</u>	<u>71</u>	<u>69</u>	<u>69</u>	<u>68</u>	<u>42</u>	<u>39</u>	<u>38</u>

Operative, Inc. (KEPCo)

	Projected											
2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
537	547	512	518	523	528	534	539	544	550	555	561	567
0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.8	105.6	107.4	106.4	105.1	103.6	104.6	105.7	106.7	107.8	108.9	110.0	111.1
78	106	107	106	105	104	105	106	107	108	109	110	111
114	114	114	114	114	114	114	114	114	114	114	114	114
36	8	7	8	9	10	9	8	7	6	5	4	3
36	8	7	8	9	10	9	8	7	6	5	4	3

ATTACHMENT "F"

Kansas Power Pool
Forecasted System Generation Needs

	Historical					Forecasted System Generation Needs							
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1) Firm Wholesale MWh Sales (Company Name)													
Total Firm Wholesale MWh Sales	0	0	0	0	0	1,667,831	1,765,123	1,803,020	1,859,339	1,915,896	1,951,020	1,985,226	1,988,988
2) Firm Wholesale MWh Purchases (Company Name)													
Total Firm Wholesale MWh Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0
3) Native Load Total Annual Retail Electricity Sales													
<i>Plus: Total Firm MWh Sales</i>	0	0	0	0	0	1667831	1765123	1803020	1859339	1915896	1951020	1985226	1988988
<i>Less: Total Firm MWh Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
Native Load	0	0	0	0	0	1667831	1765123	1803020	1859339	1915896	1951020	1985226	1988988
<i>system load growth</i>		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.83%	2.15%	3.12%	3.04%	1.83%	1.75%	0.19%
4) Owned MWh Generation (Plant/Unit Name)													
Total Annual MWh Generation from Owned Assets	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: Historical data for 2011 is not yet available. Historical data for earlier years is not meaningful because Membership changed in time period
Used 2 % growht after 2019

Kansas Power Pool
Forecasted System Capacity Responsibility

	Historical					Forecasted System Capacity Responsibility									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1) System Peak:															
Total Kansas Retail System Peak					382	380	385	307	266	271	276	281	287	292	
Plus: Wholesale Contracts (Company Name)					0	0	0	0	0	0	0	0	0	0	
Total System Peak	0	0	0	0	382	380	385	307	266	271	276	281	287	292	
system peak load growth		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-0.47%	1.26%	-20.26%	-13.22%	1.84%	1.84%	1.85%	1.85%	1.74%	
2) Interruptibles															
Total Interruptible Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3) System Capacity Responsibility															
Total System Peak	0	0	0	0	382	380	385	307	266	271	276	281	287	292	
Less: Total Interruptible Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Load Obligation	0	0	0	0	382	380	385	307	266	271	276	281	287	292	
Plus: SPP Required 12% Reserves	0	0	0	0	52	52	53	42	36	37	38	38	39	40	
Total System Capacity Responsibility	0	0	0	0	434	432	438	349	303	308	314	320	326	331	

Note: Currently forecast for individual members does not go past 2020, used 2% growth after that point
note numbers in MW and reflect noncoincident peaks of KPP members

Projected										
2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
297	303	309	315	321	328	334	341	348	355	362
0	0	0	0	0	0	0	0	0	0	0
<u>297</u>	<u>303</u>	<u>309</u>	<u>315</u>	<u>321</u>	<u>328</u>	<u>334</u>	<u>341</u>	<u>348</u>	<u>355</u>	<u>362</u>
1.95%	1.85%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
297	303	309	315	321	328	334	341	348	355	362
0	0	0	0	0	0	0	0	0	0	0
<u>297</u>	<u>303</u>	<u>309</u>	<u>315</u>	<u>321</u>	<u>328</u>	<u>334</u>	<u>341</u>	<u>348</u>	<u>355</u>	<u>362</u>
41	41	42	43	44	45	46	47	47	48	49
<u>338</u>	<u>344</u>	<u>351</u>	<u>358</u>	<u>365</u>	<u>372</u>	<u>380</u>	<u>388</u>	<u>395</u>	<u>403</u>	<u>411</u>

Kansas Power Pool
Forecasted System Capacity

	Historical					Forecasted System Capacity						
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1) Accredited Generation:												
City Generation Capacity Available					362.5	362.5	362.5	300.4	224.7	224.7	224.7	224.7
Total Accredited Generation	0	0	0	0	362.5	362.5	362.5	300.4	224.7	224.7	224.7	224.7
2) Capacity Additions												
Dogwood Combined Cycle						42	42	42	42	42	42	42
Total Capacity Additions	0	0	0	0	0	42	42	42	42	42	42	42
4) Capacity Purchases:												
GRDA - KPP					28.3	28.3	24.3	15.3	15.3	15.3	15.3	15.3
Greensburg Wind					1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
JEC PPA - KPP					50.0	50.0	59.0	59.0	59.0	59.0	59.0	59.0
KCPL PPA - KPP					45.0	45.0	45.0	45.0	0.0	0.0	0.0	0.0
Nearman Creek PPA - KPP					19.5	19.5	19.5	15.5	15.5	15.5	15.5	15.5
NPPD PPA - KPP					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OMPA - KPP					9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Westar Units Most Likely					0.0	0.0	3.1	3.1	0.0	0.0	0.0	0.0
Greensburg Wind Farm					12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Bowersock Hydro					2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
SWAPA Hydro					9.4	9.4	9.4	5.5	5.5	5.5	5.5	5.5
WAPA Hydro					4.5	4.5	4.5	2.6	2.6	2.6	2.6	2.6
Total Capacity Purchases	0	0	0	0	182.2	182.2	181.3	162.5	114.4	114.4	114.4	114.4
5) Capacity Sales:												
(Company Name)												
Total Capacity Sales	0	0	0	0	0	0	0	0	0	0	0	0
6) System Capacity												
Total Accredited Generation	0	0	0	0	362.5	362.5	362.5	300.4	224.7	224.7	224.7	224.7
Plus: Capacity Additions	0	0	0	0	0	42	42	42	42	42	42	42
Total Accredited Generation	0	0	0	0	362.5	404.5	404.5	342.4	266.7	266.7	266.7	266.7
Plus: Capacity Purchases	0	0	0	0	182.1801	182.1801	181.3301	162.5061	114.4061	114.4061	114.4061	114.4061
Less: Capacity Sales	0	0	0	0	0	0	0	0	0	0	0	0
Total System Capacity	0	0	0	0	544.6801	586.6801	585.8301	504.9061	381.1061	381.1061	381.1061	381.1061

Kansas Power

Forecasted RES Act Compliance

1) Renewable Capacity Requirement
 Total Kansas Retail System Peak:
 ***RES Act Requirement
 Renewable Capacity Requirement

2) Forecasted RES Act Compliance
 Renewable Capacity Requirement
 Total Renewable Capacity Available for RES Act Compliance
 Renewable Capacity Surplus (Deficit)

Plus: Capacity from Net Metering Customers
 Plus: Renewable Capacity from Renewable Energy Credits Purchased
 Less: Renewable Capacity from Renewable Energy Credits Sold

Total Forecasted Renewable Capacity Surplus (Deficit)

Historical	Forecasted RES Act Compliance						
2011	2012	2013	2014	2015	2016	2017	2018
382	380	385	307	266	271	276	281
0.1	0.1	0.1	0.1	0.1	0.15	0.15	0.15
38.2	38.11	38.24	38.24	35.74	47.92	42.235	40.7
38.2	38.11	38.24	38.24	35.74	47.92	42.235	40.7
40.5073	40.5073	39.1248	35.9748	35.9748	35.9748	35.9748	35.9748
2.3073	2.3973	0.8848	-2.2652	0.2348	-11.9452	-6.2602	-4.7252
2.3073	2.3973	0.8848	-2.2652	0.2348	-11.9452	-6.2602	-4.7252

- 2.3
- 0.9
- (0.4)
- (0.4)
- (2.5)
- (26.7)
- (28.7)
- (30.7)
- (32.1)
- (58.3)
- (60.2)
- (62.1)
- (64.1)
- (66.2)
- (68.4)
- (70.5)
- (72.8)
- (75.0)
- (77.3)
- (79.7)
- (82.1)

er Pool

	Projected											
2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
287	292	297	303	309	315	321	328	334	341	348	355	362
0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
41.45	56.28667	57.30667	58.36667	59.44667	60.59707	61.77927	63.01486	64.27516	65.56066	66.87187	68.20931	69.5735
41.45	56.28667	57.30667	58.36667	59.44667	60.59707	61.77927	63.01486	64.27516	65.56066	66.87187	68.20931	69.5735
35.9748	35.9748	35.9748	35.9748	35.9748	35.9748	35.9748	35.9748	35.9748	35.9748	35.9748	35.9748	35.9748
-5.4752	-20.3119	-21.3319	-22.3919	-23.4719	-24.6223	-25.8045	-27.0401	-28.3004	-29.5859	-30.8971	-32.2345	-33.5987
-5.4752	-20.3119	-21.3319	-22.3919	-23.4719	-24.6223	-25.8045	-27.0401	-28.3004	-29.5859	-30.8971	-32.2345	-33.5987

ATTACHMENT "G"

SUNFLOWER ELECTR

Forecasted System Generation Needs

	Historical				2012	2013	2014	2015	2016	2017
	2008	2009	2010	2011						
1) Firm Wholesale MWh Sales										
(Company Name)	39.00	257,099.00	257,114.00	149,348.92	49,362.14	190,213.00	75,680.00	92,955.00	44,191.83	109,414.44
Total Firm Wholesale MWh Sales	39.00	257,099.00	257,114.00	149,348.92	49,362.14	190,213.00	75,680.00	92,955.00	44,191.83	109,414.44
2) Firm Wholesale MWh Purchases										
(Company Name)	2,282,897.81	2,315,057.10	2,666,801.38	2,781,000.51	2,054,514.71	919,253.00	2,006,474.00	1,859,019.00	1,886,423.28	1,127,541.08
Total Firm Wholesale MWh Purchases	2,282,897.81	2,315,057.10	2,666,801.38	2,781,000.51	2,054,514.71	919,253.00	2,006,474.00	1,859,019.00	1,886,423.28	1,127,541.08
3) Native Load										
Total Annual Retail Electricity Sales	5,426,003.72	5,364,992.34	5,631,938.54	5,733,145.07	5,656,218.27	5,906,140.85	6,154,023.58	6,319,177.30	6,492,624.89	6,688,105.79
<i>Plus:</i> Total Firm MWh Sales	39.00	257,099.00	257,114.00	149,348.92	49,362.14	190,213.00	75,680.00	92,955.00	44,191.83	109,414.44
<i>Less:</i> Total Firm MWh Purchases	2,282,897.81	2,315,057.10	2,666,801.38	2,781,000.51	3,739,421.00	919,253.00	2,006,474.00	1,859,019.00	1,886,423.28	1,127,541.08
Native Load	3,143,144.91	3,307,034.24	3,222,251.16	3,101,493.48	1,966,159.41	5,177,100.85	4,223,229.58	4,553,113.30	4,650,393.44	5,669,979.15
<i>system load growth</i>		5.21%	-2.56%	-4%	-36.61%	163.31%	-18.42%	7.81%	2.14%	21.92%
4) Owned MWh Generation										
Holcomb	2,782,707.21	2,655,846.75	2,632,935.55	2,735,782.64	1,848,511.00	2,158,010.00	1,957,752.00	2,180,794.00	2,004,106.01	1,988,268.00
Fort Dodge 4	402,408.20	406,932.20	336,121.40	381,241.70	423,282.00	246,683.00	71,317.00	43,425.00	12,678.00	14,255.20
Great Bend 3	135,451.00	142,599.00	99,126.00	73,766.00	141,026.00	92,802.00	21,948.00	8,148.00	-	-
Cimarron River 1	69,510.00	107,333.00	63,268.00	75,702.00	2,560.92	69,630.00	13,628.00	7,091.00	-	-
Cimarron River 2	109.00	109.00	100.00	88.00	-	-	-	-	-	-
Clifton 1	17,169.00	8,324.00	12,355.00	4,873.00	77.00	113,029.00	15,073.00	943.00	-	-
Clifton 2	8.00	3.00	-	-	131.00	-	-	-	-	-
Garden City S2	63,286.60	60,824.50	53,740.40	66,774.00	109,920.00	108,296.00	33,627.00	24,962.00	12,934.00	39,649.00
Garden City S3	(37.00)	(7.00)	(45.00)	(71.00)	-	-	-	-	-	-
Garden City S4	7,890.00	3,898.00	3,464.00	992.00	3,344.00	1,800.00	224.00	73.00	-	-
Garden City S5	4,795.00	1,139.00	987.00	2,410.80	4,141.00	7,042.00	1,078.00	473.00	-	-
Garden City 3	(260.00)	(278.00)	(239.00)	-	-	-	-	-	-	-
Rubart							99,918.00	165,955.00		
Gray County Wind Farm	176,097.29	160,370.49	166,294.00	162,591.00	165,298.46	164,416.00	165,101.00	164,571.00	90,984.19	-
Smoky Hills Wind Farm - Phase 1	161,449.00	105,448.00	183,468.00	185,817.00	186,555.00	172,584.00	173,159.00	172,872.00	173,958.00	173,248.00
Smoky Hills Wind Farm - Phase 2	9,164.00	86,783.00	88,830.00	90,575.00	89,485.00	85,835.00	86,078.00	86,006.00	86,979.00	86,624.00
Shooting Star					59,435.00	427,630.00	429,059.00	428,636.00		
Total Annual MWh Generation from Owned Assets	3,829,747.30	3,739,324.94	3,640,405.35	3,780,542.14	3,033,766.38	3,647,757.00	3,067,962.00	3,283,949.00	2,381,639.20	2,302,044.20

IC POWER CORPORATION

			Projected										
2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
97,473.05	8,854.25	7,932.62	3,833.41	1,882.36	530.11	812.00	395.94	282.68	12.15	43.34	105.43	56.99	103.63
<u>97,473.05</u>	<u>8,854.25</u>	<u>7,932.62</u>	<u>3,833.41</u>	<u>1,882.36</u>	<u>530.11</u>	<u>812.00</u>	<u>395.94</u>	<u>282.68</u>	<u>12.15</u>	<u>43.34</u>	<u>105.43</u>	<u>56.99</u>	<u>103.63</u>
988,943.55	1,782,656.08	1,866,358.63	1,977,826.09	2,101,925.41	2,231,280.17	2,358,749.44	2,341,144.36	2,554,735.06	2,581,420.17	2,530,491.59	2,650,826.56	2,834,138.26	2,868,841.46
<u>988,943.55</u>	<u>1,782,656.08</u>	<u>1,866,358.63</u>	<u>1,977,826.09</u>	<u>2,101,925.41</u>	<u>2,231,280.17</u>	<u>2,358,749.44</u>	<u>2,341,144.36</u>	<u>2,554,735.06</u>	<u>2,581,420.17</u>	<u>2,530,491.59</u>	<u>2,650,826.56</u>	<u>2,834,138.26</u>	<u>2,868,841.46</u>
6,840,516.34	6,767,939.05	6,937,405.79	7,133,692.84	7,300,802.39	7,400,285.74	7,474,265.43	7,548,783.30	7,621,317.20	7,693,969.91	7,766,716.48	7,838,112.06	7,913,463.57	7,987,826.01
97,473.05	8,854.25	7,932.62	3,833.41	1,882.36	530.11	812.00	395.94	282.68	12.15	43.34	105.43	56.99	103.63
988,943.55	1,782,656.08	1,866,358.63	1,977,826.09	2,101,925.41	2,231,280.17	2,358,749.44	2,341,144.36	2,554,735.06	2,581,420.17	2,530,491.59	2,650,826.56	2,834,138.26	2,868,841.46
<u>5,949,045.84</u>	<u>4,994,137.22</u>	<u>5,078,979.78</u>	<u>5,159,700.16</u>	<u>5,200,759.34</u>	<u>5,169,535.68</u>	<u>5,116,327.99</u>	<u>5,208,034.88</u>	<u>5,066,864.82</u>	<u>5,112,561.89</u>	<u>5,236,268.23</u>	<u>5,187,390.93</u>	<u>5,079,382.30</u>	<u>5,119,088.19</u>
-4.92%	-16.05%	1.70%	2%	1%	-1%	-1%	2%	-3%	1%	2%	-1%	-2%	1%
1,992,794.00	2,036,922.00	2,039,926.00	2,042,162.00	1,991,270.00	2,013,750.00	2,006,438.00	1,999,562.00	1,999,874.00	1,969,260.00	2,010,156.00	2,031,836.00	1,898,312.00	1,929,600.00
103,506.80	189,058.40	169,335.60	152,465.60	130,623.20	111,682.00	67,252.40	79,798.80	45,422.80	44,294.80	43,319.20	42,461.60	45,495.20	44,578.60
31,785.30	40,357.50	68,810.20	41,363.00	33,734.90	30,631.80	30,372.70	30,817.30	30,940.90	29,529.00	28,308.90	19,583.50	18,631.70	13,658.95
-	22.05	0.63	35.91	85.05	-	35.91	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
72,381.00	158,233.00	173,148.00	159,515.00	100,862.00	90,822.00	73,705.00	73,009.00	71,205.00	67,869.00	66,257.00	59,432.00	59,505.00	55,286.50
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	500.00	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
173,248.00	173,248.00	173,958.00	173,248.00	173,248.00	173,248.00	173,958.00	173,248.00	173,248.00	173,248.00	173,958.00	173,248.00	173,248.00	173,248.00
86,624.00	86,624.00	86,979.00	86,624.00	86,624.00	86,624.00	86,979.00	86,624.00	86,624.00	86,624.00	86,979.00	86,624.00	86,624.00	86,624.00
<u>2,460,339.10</u>	<u>2,684,464.95</u>	<u>2,712,657.43</u>	<u>2,655,413.51</u>	<u>2,516,447.15</u>	<u>2,506,757.80</u>	<u>2,438,741.01</u>	<u>2,443,059.10</u>	<u>2,407,314.70</u>	<u>2,370,824.80</u>	<u>2,408,978.10</u>	<u>2,413,185.10</u>	<u>2,281,815.90</u>	<u>2,302,996.05</u>

SUNFLOWER ELECTRIC POWER CORPO
Forecasted System Capacity Respons

	Historical						Forecasted System Capacity Respons					
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1) System Peak:												
Total Kansas Retail System Peak		655.20	659.20	722.60	752.80	774.70	782.45	790.27	798.17	806.16	814.22	822.36
Plus: Wholesale Contracts (Company Name)		375.80	351.80	366.40	365.20	317.30	343.55	374.73	387.83	400.84	420.78	435.64
Total System Peak	-	1,031.00	1,011.00	1,089.00	1,118.00	1,092.00	1,126.00	1,165.00	1,186.00	1,207.00	1,235.00	1,258.00
<i>system peak load growth</i>		#DIV/0!	(0.02)	0.08	0.03	(0.02)	0.03	0.03	0.02	0.02	0.02	0.02
2) Interruptibles												
Total Interruptible Load	-	-	-	-	-	-	-	-	-	-	-	-
3) System Capacity Responsibility												
Total System Peak	-	1,031.00	1,011.00	1,089.00	1,118.00	1,092.00	1,126.00	1,165.00	1,186.00	1,207.00	1,235.00	1,258.00
Less: Total Interruptible Load	-	-	-	-	-	-	-	-	-	-	-	-
Total Load Obligation	-	1,031.00	1,011.00	1,089.00	1,118.00	1,092.00	1,126.00	1,165.00	1,186.00	1,207.00	1,235.00	1,258.00
Plus: SPP Required 12% Reserves	-	140.59	137.86	148.50	152.45	148.91	153.55	158.86	161.73	164.59	168.41	171.55
Total System Capacity Responsibility	-	1,171.59	1,148.86	1,237.50	1,270.45	1,240.91	1,279.55	1,323.86	1,347.73	1,371.59	1,403.41	1,429.55

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ibility

2019	2020	2021	Projected 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
830.58	838.89	847.28	855.75	864.31	872.95	881.68	890.50	899.40	908.40	917.48	926.66	935.92
428.42	445.11	465.72	481.25	488.69	491.05	494.32	496.50	498.60	501.60	502.52	506.34	508.08
<u>1,259.00</u>	<u>1,284.00</u>	<u>1,313.00</u>	<u>1,337.00</u>	<u>1,353.00</u>	<u>1,364.00</u>	<u>1,376.00</u>	<u>1,387.00</u>	<u>1,398.00</u>	<u>1,410.00</u>	<u>1,420.00</u>	<u>1,433.00</u>	<u>1,444.00</u>
0.00	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-	-	-	-	-	-	-	-	-	-	-	-	-
1,259.00	1,284.00	1,313.00	1,337.00	1,353.00	1,364.00	1,376.00	1,387.00	1,398.00	1,410.00	1,420.00	1,433.00	1,444.00
<u>1,259.00</u>	<u>1,284.00</u>	<u>1,313.00</u>	<u>1,337.00</u>	<u>1,353.00</u>	<u>1,364.00</u>	<u>1,376.00</u>	<u>1,387.00</u>	<u>1,398.00</u>	<u>1,410.00</u>	<u>1,420.00</u>	<u>1,433.00</u>	<u>1,444.00</u>
171.68	175.09	179.05	182.32	184.50	186.00	187.64	189.14	190.64	192.27	193.64	195.41	196.91
<u>1,430.68</u>	<u>1,459.09</u>	<u>1,492.05</u>	<u>1,519.32</u>	<u>1,537.50</u>	<u>1,550.00</u>	<u>1,563.64</u>	<u>1,576.14</u>	<u>1,588.64</u>	<u>1,602.27</u>	<u>1,613.64</u>	<u>1,628.41</u>	<u>1,640.91</u>

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SUNFLOWER ELECTRIC POWER CORPORATION
Forecasted System Capacity

	Historical													
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1) Accredited Generation:														
Holcomb	362	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0
Fort Dodge 4	144.5	144.5	144.5	146.6	146.6	146.6	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8
Great Bend 3	98.7	98.7	98.7	98.7	98.7	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6
Cimarron River 1	61.3	61.3	61.3	61.3	61.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
Cimarron River 2	15.8	15.8	15.8	15.8	15.8	14.9	0.0	14.9	14.9	14.9	14.9	14.9	14.9	14.9
Clifton 1	66.1	66.1	66.1	66.1	66.1	63.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
Clifton 2	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Garden City S2	98	98.0	98.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
Garden City S3	14.5	14.5	14.5	14.9	14.9	14.9	0.0	14.9	14.9	14.9	14.9	14.9	14.9	14.9
Garden City S4	51	51.0	51.0	51.9	51.9	51.9	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
Garden City S5	53.5	53.5	53.5	54.0	54.0	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
Garden City 3	8.7	8.7	8.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Municipal Units	67.1	67.1	67.1	64.7	64.7	49.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
KMEA Municipals		0.0	0.0	119.5	106.7	111.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5
KMEA Baseload Contract		0.0	0.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	0.0	0.0
Gray County Wind Farm					1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
Smoky Hills Wind Farm - Phase 2					1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Western Hydro	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Total Accredited Generation	1,049.00	1,049.00	1,049.00	1,196.02	1,176.48	1,165.70	1,144.10	1,173.90	1,173.90	1,173.90	1,172.90	1,172.90	1,143.90	1,143.90
2) Capacity Additions														
Peaking Unit Project							0.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
Additional Wind PPA							3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Abengoa								22.0	22.0	22.0	22.0	22.0	22.0	22.0
Holcomb Expansion Project											85.0	85.0	85.0	85.0
Total Capacity Additions	0	0	0	0	0	0	3	132.0	132.0	132.0	132.0	132.0	132.0	132.0
4) Capacity Purchases:														
Jeffrey Energy Center Firm Power Contract	175.2	175.2	173.2	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	0.0	0.0
Total Capacity Purchases	175.2	175.2	173.2	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	0.0	0.0
5) Capacity Sales:														
Capacity Sale to KMEA	30.0	30.0	30.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	0.0	0.0
Capacity Sale to Black Hills Power	20.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Capacity Sales	50.0	50.0	50.0	49.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	-	-
6) System Capacity														
Total Accredited Generation	1,049.00	1,049.00	1,049.00	1,196.02	1,176.48	1,165.70	1,144.10	1,173.90	1,173.90	1,173.90	1,172.90	1,172.90	1,143.90	1,143.90
Plus: Capacity Additions	-	-	-	-	-	-	3.00	132.00	132.00	132.00	132.00	132.00	132.00	132.00
Total Accredited Generation	1,049.00	1,049.00	1,049.00	1,196.02	1,176.48	1,165.70	1,147.10	1,305.90	1,305.90	1,305.90	1,304.90	1,304.90	1,275.90	1,275.90
Plus: Capacity Purchases	175.20	175.20	173.20	168.00	168.00	168.00	168.00	168.00	168.00	168.00	168.00	168.00	-	-
Less: Capacity Sales	(50.00)	(50.00)	(50.00)	(49.00)	(29.00)	(29.00)	(29.00)	(29.00)	(29.00)	(29.00)	(29.00)	(29.00)	-	-
Total System Capacity	1,174.20	1,174.20	1,172.20	1,315.02	1,315.48	1,304.70	1,286.10	1,444.90	1,444.90	1,444.90	1,443.90	1,443.90	1,275.90	1,275.90

Projected										
2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0
147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8
100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6
60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
5.3	5.3	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<u>1,143.90</u>	<u>1,143.90</u>	<u>1,143.90</u>	<u>1,143.90</u>	<u>1,138.60</u>	<u>1,138.60</u>	<u>1,138.60</u>	<u>1,138.60</u>	<u>1,137.60</u>	<u>1,137.60</u>	<u>1,137.60</u>
107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
<u>132.0</u>	<u>132.0</u>	<u>132.0</u>	<u>132.0</u>	<u>132.0</u>	<u>132.0</u>	<u>132.0</u>	<u>132.0</u>	<u>132.0</u>	<u>132.0</u>	<u>132.0</u>
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
-	-	-	-	-	-	-	-	-	-	-
1,143.90	1,143.90	1,143.90	1,143.90	1,138.60	1,138.60	1,138.60	1,138.60	1,137.60	1,137.60	1,137.60
<u>132.00</u>	<u>132.00</u>	<u>132.00</u>	<u>132.00</u>	<u>132.00</u>	<u>132.00</u>	<u>132.00</u>	<u>132.00</u>	<u>132.00</u>	<u>132.00</u>	<u>132.00</u>
1,275.90	1,275.90	1,275.90	1,275.90	1,270.60	1,270.60	1,270.60	1,270.60	1,269.60	1,269.60	1,269.60
-	-	-	-	-	-	-	-	-	-	-
<u>1,275.90</u>	<u>1,275.90</u>	<u>1,275.90</u>	<u>1,275.90</u>	<u>1,270.60</u>	<u>1,270.60</u>	<u>1,270.60</u>	<u>1,270.60</u>	<u>1,269.60</u>	<u>1,269.60</u>	<u>1,269.60</u>

SUNFLOWER ELECTRIC POWER CORPORATION
Forecasted Renewable Capacity

	Historical	Forecasted Renewable Capacity									Proje
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1) Existing Kansas Renewable Capacity (nameplate):											
Gray County Wind Farm	51	50.4	50.4	50.4	50.4	50.4	0	0	0	0	0
Smoky Hills Wind Farm - Phase 1	50.4	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
Smoky Hills Wind Farm - Phase 2	24	24	24	24	24	24	24	24	24	24	24
Total Kansas Renewable Capacity	125.4	124.7	124.7	124.7	124.7	124.7	74.3	74.3	74.3	74.3	74.3
2) Existing Out-of-State Renewable Capacity (nameplate):											
Western Area Power Administration (Western) - Hydro Contract	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Total Existing Out-of-State Renewable Capacity	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
3) Kansas-based Renewable Capacity Additions (nameplate):											
Shooting Star PPA			104	104	104	104	104	104	104	104	104
Total Kansas-based Renewable Capacity Additions	0	0	104	104	104	104	104	104	104	104	104
4) Out-of-State Renewable Capacity Additions (Plant/Unit Name)											
Total Out-of-State Renewable Capacity Additions	0	0	0	0	0	0	0	0	0	0	0
5) Renewable Capacity Required for Other Jurisdictions (State or Jurisdiction)											
Total Renewable Capacity Required for Other Jurisdictions	0	0	0	0	0	0	0	0	0	0	0
6) In-State Renewable Capacity per RES Act											
Total Existing Kansas Renewable Capacity	125.4	124.7	124.7	124.7	124.7	124.7	74.3	74.3	74.3	74.3	74.3
Plus: Kansas-based Renewable Capacity Additions	0	0	104	104	104	104	104	104	104	104	104
Total In-state Renewable Capacity	125.4	124.7	228.7	228.7	228.7	228.7	178.3	178.3	178.3	178.3	178.3
Plus: 1.10 Multiplier per RES Act	12.54	12.47	22.87	22.87	22.87	22.87	17.83	17.83	17.83	17.83	17.83
Total In-State Renewable Capacity per RES Act	137.94	137.17	251.57	251.57	251.57	251.57	196.13	196.13	196.13	196.13	196.13
7) Renewable Capacity Available for RES Act Compliance											
Total In-state Renewable Capacity per RES Act	137.94	137.17	251.57	251.57	251.57	251.57	196.13	196.13	196.13	196.13	196.13
Plus: Existing Out-of-State Renewable Capacity	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Plus: Out-of-State Renewable Capacity Additions	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Capacity per RES Act	143.24	142.47	256.87	256.87	256.87	256.87	201.43	201.43	201.43	201.43	201.43
Less: Renewable Capacity Required for Other Jurisdictions	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Capacity Available for RES Act Compliance	143.24	142.47	256.87	256.87	256.87	256.87	201.43	201.43	201.43	201.43	201.43

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ected										
2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
0	0	0	0	0	0	0	0	0	0	0
50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	0	0	0
24	24	24	24	24	24	24	24	0	0	0
74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	0	0	0
5.3	5.3	5.3								
5.3	5.3	5.3	0	0	0	0	0	0	0	0
104	104	104	104	104	104	104	104	104	104	104
104	104	104	104	104	104	104	104	104	104	104
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	0	0	0
104	104	104	104	104	104	104	104	104	104	104
178.3	178.3	178.3	178.3	178.3	178.3	178.3	178.3	104	104	104
17.83	17.83	17.83	17.83	17.83	17.83	17.83	17.83	10.4	10.4	10.4
196.13	196.13	196.13	196.13	196.13	196.13	196.13	196.13	114.4	114.4	114.4
196.13	196.13	196.13	196.13	196.13	196.13	196.13	196.13	114.4	114.4	114.4
5.3	5.3	5.3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
201.43	201.43	201.43	196.13	196.13	196.13	196.13	196.13	114.4	114.4	114.4
0	0	0	0	0	0	0	0	0	0	0
201.43	201.43	201.43	196.13	196.13	196.13	196.13	196.13	114.4	114.4	114.4

SUNFLOWER ELECTRIC POW
Forecasted RES Act Compliance

	2008	2009	2010	Historical 2011	2012	2013	2014	2015	2016	2017	2018
1) Renewable Capacity Requirement											
Total Kansas Retail System Peak:	655.20	659.20	722.60	752.80	774.70	782.45	790.27	798.17	806.16	814.22	822.36
***RES Act Requirement				0.1	0.1	0.1	0.1	0.1	0.15	0.15	0.15
Renewable Capacity Requirement				<u>67.90</u>	<u>71.15</u>	<u>75.00</u>	<u>77.00</u>	<u>78.25</u>	<u>118.54</u>	<u>119.73</u>	<u>120.93</u>
2) Forecasted RES Act Compliance											
Renewable Capacity Requirement				67.90	71.15	75.00	77.00	78.25	118.54	119.73	120.93
Total Renewable Capacity Available for RES Act Compliance				<u>143.24</u>	<u>142.47</u>	<u>256.87</u>	<u>256.87</u>	<u>256.87</u>	<u>256.87</u>	<u>201.43</u>	<u>201.43</u>
Renewable Capacity Surplus (Deficit)				<u>75.34</u>	<u>71.32</u>	<u>181.87</u>	<u>179.87</u>	<u>178.62</u>	<u>138.33</u>	<u>81.70</u>	<u>80.50</u>
<i>Plus: Capacity from Net Metering Customers</i>											
<i>Plus: Renewable Capacity from Renewable Energy Credits Purchased</i>											
<i>Less: Renewable Capacity from Renewable Energy Credits Sold</i>											
Total Forecasted Renewable Capacity Surplus (Deficit)				<u>75.34</u>	<u>71.32</u>	<u>181.87</u>	<u>179.87</u>	<u>178.62</u>	<u>138.33</u>	<u>81.70</u>	<u>80.50</u>

NER CORPORATION

	Projected											
2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
830.58	838.89	847.28	855.75	864.31	872.95	881.68	890.50	899.40	908.40	917.48	926.66	935.92
0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
122.14	164.48	166.12	167.78	169.46	171.16	172.87	174.60	176.34	178.11	179.89	181.69	183.50
122.14	164.48	166.12	167.78	169.46	171.16	172.87	174.60	176.34	178.11	179.89	181.69	183.50
201.43	201.43	201.43	201.43	201.43	201.43	196.13	196.13	196.13	196.13	114.4	114.4	114.4
79.29	36.95	35.31	33.65	31.97	30.27	23.26	21.53	19.79	18.02	-65.49	-67.29	-69.10
79.29	36.95	35.31	33.65	31.97	30.27	23.26	21.53	19.79	18.02	-65.49	-67.29	-69.10

CERTIFICATE OF SERVICE

13-GIME-256-CPL

I, the undersigned, hereby certify that a true and correct copy of the above and foregoing docket was placed in the United States mail, postage prepaid, or hand-delivered this 12th day of February, 2013, to the following:

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