

**Sunflower Electric Power Corporation**

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December 15, 1998

1998.12.17 08:13:53  
Kansas Corporation Commission  
/S/ David J. Heinemann

Mr. Dave Dittemore  
Director of the Utilities Division  
Kansas Corporation Commission  
1500 S. W. Arrowhead Road  
Topeka, KS 66604

**STATE CORPORATION COMMISSION**

DEC 16 1998

*David J. Heinemann* Docket Room

Dear Mr. Dittemore:

Enclosed with this letter are six copies of Sunflower's responses to the Questions for Kansas Electric Utilities Belonging to SPP pursuant to the Commission's Order in Docket 99-GIME-321 -GIG.

If you need additional information please contact me.

Sincerely,

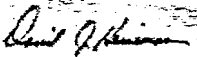
*C. L. Waggoner*

C. L. Waggoner  
Sr. Manager Power Marketing  
& Regulation

DEC 16 1998

## APPENDIX A

## Questions for Kansas Electric Utilities Belonging to SPP

 Docket Room

I) Please provide the following information related to the Summer Net Internal Demand forecasts given for the years 1998 through 2007 on the most recent 1998 SPP EA1411 report:

- a) A list of interruptible customers, their estimated demand (as it correlates to their contribution to the EIA411 interruptible total), the expiration date of their current contract (or tariff), any provisions to allow the customer to buy through interruption, and notification requirement prior to interruption

Response: Sunflower does not currently have any customers that are interruptible. Sunflower's is not aware of interruptible customers on our members' distribution systems.

- b) Do you anticipate any interruptible retail customers converting to full requirements retail customers? If yes, provide an estimate of the total demand involved.

Response: See response to 1)a) above.

- c) A list of all days and the corresponding demand for the Summer of 1998 that exceeded the 1998 forecast.

Response: See Attachment A.

- d) A discussion of how 1998 Summer demands may affect future demand forecasts.

Response: See Attachment B for table and written response.

- e) Estimate of annual peak Summer demand growth in percentage and how this estimate was derived.

Response: See Attachment B for table and written response.

- f) Describe any other adjustments made to internal demand to arrive at net internal demand for each forecast year.

Response: See Attachment B for table and written response.

II) Please provide the following information related to the Summer Net Capacity Resource forecasts given for the years 1998 through 2007 on the most recent 1998 SPP EAI411 report:

- a) A list of all generating units included in the total for net operable capacity in each forecast year. Include rating and capacity for each unit.

Response: See Attachment C.

- b) Capacity, type, fuel and planned operation date for each unit added after 1998 in forecast.

Response: Sunflower will re-start the S-2 unit located in Garden City, Kansas. The rating of the unit is anticipated to be 95 to 110 MW and is a gas fired steam unit. The projected date for the re-start of the unit is April 4, 1999.

- c) Capacity, and year for each unit forecasted for retirement or determined to be inoperable in planning period. Describe unit and reason for listing as inoperable or retiring.

Response: Sunflower, for the planning period, does not forecast the retirement of any units.

- d) A list of wholesale full responsibility sales by customer, capacity and forecast year. Include year contract expires.

Response: See Attachment D.

- e) A list of wholesale full responsibility purchases by seller, capacity and forecast year. Include year contract expires.

Response: Sunflower does not project the purchase of capacity from other sellers.

- f) A list of capacity sales by customer, capacity and forecast year. Include year contract expires and describe whether sale is from a designated unit or from system.

Response: See Attachment E.

- g) A list of capacity purchases by seller, capacity and forecast year. Include year contract expires and describe whether purchase is from a designated unit or from seller's system.

Response: Sunflower has not forecasted the purchase of capacity from other sellers.

- h) Describe any other adjustments made to net operable capacity to arrive at planned capacity resources for each forecast year.

Response: None.

**Sunflower Electric Power Corporation**  
**1998 MOKAN Capability Ratings**

c) Listed below is a table with the date and time the actual peak exceeded the 1998 forecast for Jun-Sep.

<b>Peak Exceeds 98 Budget</b>		<b>Time</b>												
<b>Month</b>	<b>Date</b>	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Jun > 331	60298							335						
	61798							334						
	62398			335	343	347	353	356	359	340	335	333		
	62498		336	339	351	354	360	360	358	340	338	332	332	
	62598		332	342	352	361	365	370	365	357	358	346	340	336
	62698	344	357	359	366	372	377	378	378	370	367	355	342	337
	62798			341	349	357	365	368	362	362	354	343	338	
	62898			333	340	345	351	349	353	351	348	347	337	
	62998	344	359	369	375	363	361	371	372	359	354	346	341	336
	63098		336	338	347	353	355	359	357	352	348	333		
Jul > 350	70198						354	351	351					
	70298					357	359	361	361	356	356			
	70398			352	359	362	364	363	363	355				
	70598							352						
	70698	364	370	381	382	381	389	372	368	357				
Aug > 340	81798						343	356	347					
	81898				346	349	351	356	346					
	81998		343	350	349	353	354	344						
	82098			344	342		347	345						
	82198			346	343	345	348	345						
	82498			355	352			344						
	82598				341	342	342	341						
	82798			349	353	352	355	344						
	82998							341	342					
Sep > 310	90298			313	313	319	324	324	317	312				
	90398		314			330	339	332	326	318				
	90498		321	335	339	345	346	344	329	313				
	90598				315	320	324	323	319					
	90798					314	320	318	312					
	90898					317	321	312	312					
	90998		311	321	320	328	327	327	317					
	91098						311							
	91798					311	316	315						
	92498			322	328	335	334	333	323					
	92798			317	327	322	328	317						
	92898		317		316	331	328	322	317					
	92998				316	317	313	311						

**Sunflower Electric Power Corporation**  
**Summer Coincident Peaks**

System	Year	Annual	%	Jun	%	Jul	%	Aug	%	Sep	%
		Summe									
Actual	1997	320		299		320		308		301	
	1998	389	21.6	378	26.4	389	21.6	356	15.6	346	15.0
Budget	1998	350		332		350		340		310	
Actual	1998	389	11.1	378	13.9	389	11.1	356	4.7	346	11.6
Forecast	1999	352	0.6								
	2000	357	1.4								
	2001	363	1.7								
	2002	368	1.4								
	2003	374	1.6								
	2004	379	1.3								
	2005	385	1.6								
	2006	385	0.0								
	2007	385	0.0								
<b>Delivered</b>											
Actual	1997	276		242		276		267		249	
	1998	320	15.9	320	32.2	316	14.5	306	14.6	296	18.5
Budget	1998	321		309		321		312		278	
Actual	1998	320	-0.3	320	3.6	319	-0.6	306	-1.9	296	6.5
Forecast	1999	323	0.6								
	2000	328	1.5								
	2001	333	1.5								
	2002	338	1.5								
	2003	343	1.5								
	2004	348	1.5								
	2005	354	1.7								
	2006	354	0.0								
	2007	354	0.0								

d) The Summer of 1998 Actual CP values for all firm power delivered was actually slightly less than forecasted in the 1998 Budget by -0.3% as shown in the table above. Growth that occurred in the 1998 over 1997 of 44 MWs is mainly from an additional single large consumer load of 42 MWs.

e) The annual peak Summer demands are estimated based on monthly average load factors and coincident peak factors applied to a detailed kWh sales forecast in each member system's RUS power requirements study. Any significant large power contract is forecasted independently and segmented from all other loads. Weather normalization is achieved by applying econometric modeling to weather related loads using 30 year norms for cooling/heating degree days and precipitation data. The system peak forecast is based on historical losses applied to the estimated peaks for firm power delivered. With the additional commercial loads after 1999 the average expected growth is 1.4% for 2000 through 2007.

f) There are no other adjustments.

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**Sunflower Electric Power Corporation**  
**1998 MOKAN Capability Ratings**

Unit	1998 Net Capacity Rating	Date of Capacity Test	Fuel Type
Holcomb	360	12/4/97	Coal
s-4	57 (summer)	5/18/96	Gas
	65 (winter)	3/25/96	
s-5	55 (summer)	5/18/96	Gas
	64 (winter)	3/26/96	
s-3	13	10/31/94	Gas
Goodland #5	0.93	8/15/97	Gas
Goodland #6	1.82	8/15/97	Gas
Goodland #7	1.92	8/15/97	Gas
Goodland #8	3.93	8/15/97	Gas
Goodland #10	1.72	8/15/97	Gas
Goodland #11	3.69	8/15/97	Gas
Goodland #12	0.79	8/15/97	Gas
Hill City #1	0.97	4/10/96	Gas
Hill City #2	1	4/11/96	Gas
Hill City #3	0.55	4/15/96	Gas
Hill City #4	0.9	4/16/96	Gas
Hill City #5	1	4/17/96	Gas
Hill City #6	1.05	4/18/96	Gas
Johnson #1	0.61	7/17/97	Gas
Johnson #2	0.68	7/17/97	Gas
Johnson #3	1.11	7/17/97	Gas
Johnson #4	0.2	7/17/97	Gas
Johnson #5	0.26	7/17/97	Gas
Johnson #6	0.59	7/17/97	Gas
Johnson #7	1.32	7/17/97	Gas
Oberlin #1	0.72	8/27/97	Gas
Oberlin #4	1.11	8/27/97	Gas
Oberlin #5	1.32	8/27/97	Gas
Oberlin #6	1.16	8/27/97	Gas
St. Francis #2	0.74	5/28/96	Gas
St. Francis #3	0.68	8/27/97	Gas
St. Francis #4	2.19	8/27/97	Gas
St. Francis #5	0.71	8/27/97	Gas
Sharon Springs #1	0.86	5/29/96	Gas
Sharon Springs #2	0.82	5/29/96	Gas
Sharon Springs #3	0.38	5/29/96	Gas
Sharon Springs #4	0.41	5/29/96	Gas
<b>TOTAL</b>	<b>521.14 (summer)</b> <b>538.14 (winter)</b>		

**Sunflower Electric Power Corporation**  
**Annual Coincident Peaks\***

	Contract Expiration	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Full Responsibility Sales</b>											
<b>Midwest Energy (Great Plains)</b>	04/01/2021	16	16	16	16	16	16	17	17	17	17
ADM (NSI)	12/31/2004	3	3	3	3	4	4	4	4	4	4
<b>Lane-Scott</b>	04/01/2021	12	12	12	12	12	12	12	12	12	12
City of Dighton	12/31/2002	2	2	2	2	2	2	2	2	2	2
<b>Pioneer</b>	04/01/2021	98	100	101	103	105	107	108	110	110	110
Amoco Production	05/31/2001	40	41	41	42	43	44	45	46	46	46
City of Johnson	12/31/2002	2	2	2	2	2	3	3	3	3	3
<b>PrairieLand</b>	04/01/2021	24	24	24	24	24	24	24	24	24	24
OXY USA	12/31/ Annually	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
City of Herndon	11/30/1999	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
City of Norton	09/30/2004	5	5	5	5	5	5	6	6	6	6
<b>Victory</b>	04/01/2021	3	3	3	3	3	3	3	3	3	3
<b>Western</b>	04/01/2021	18	18	18	18	18	18	18	18	18	18
<b>Wheatland</b>	04/01/2021	145	148	151	154	157	160	163	166	166	166
KN Energy	08/31/1999	4	4	4	4	4	4	4	4	4	4
IBP	01/31/1999	22	22	23	23	23	24	24	25	25	25
Monfort	7/31/ Annually	7	7	7	8	8	8	8	8	8	8
City of Garden City	11/30/2008	51	53	54	56	58	59	61	63	63	63
<b>KMEA**</b>	09/30/2004	3	3	3	3	3	3	3			
KEPCO"	05/31/1999	2	2								

\* Annual Coincident Peaks have been rounded to whole Megawatts.

\*\* Firm partial requirements contracts.

**Sunflower Electric Power Corporation  
Annual Coincident Peaks**

	<u>Contract Expiration</u>	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Capacity Sales</b>											
<b>UtiliCorp United*</b>	05/01/2014										
Capacity Agreement for 50 MW of gas fired capacity	02/28/1999	50									
<b>NPPD*</b>	05/01/2006										
<b>Midwest Energy*</b>	06/30/2010										
<b>SPP (Southwest Power Pool)</b>											
<b>MOKAN</b>											
<b>Mid-Continent Area Power Pool</b>											
<b>City of Goodland* (System)</b>	6/01/ Annually	5	5	5	5	5	5	5	5	5	5

\* Interconnection Agreements that have provisions for the potential sale and purchase of capacity and energy.



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