

Joint Committee on Energy & Environmental Policy
Kansas Renewable Portfolio Standard
Kansas Electric Utility Progress
November 20, 2012

Empire Electric District (Empire)							
<i>2012 Projected Load</i>	<i>2012 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1-10 Adjustment</i>	<i>Total 2011 Benchmark Percentage</i>		
1,142	Elk River WindFarm, LLC	October 2025	150	165			
	Meridian Way WindFarm	December 2028	105	116			
	Ozark Beach Hydroelectric	Owned	16	16			
			Total 297 MW	26%			
<i>2016 Projected Load</i>							
<i>2016 Resource</i>							
1,203	Elk River WindFarm, LLC	October 2025	150	165			
	Meridian Way WindFarm	December 2028	105	116			
	Ozark Beach Hydroelectric	Owned	16	16			
			Total 297 MW	25%			
<i>2020 Projected Load</i>							
<i>2020 Resource</i>							
1,240	Elk River WindFarm, LLC	October 2025	150	165			
	Meridian Way WindFarm	December 2028	105	116			
	Ozark Beach Hydroelectric	Owned	16	16			
			Total 297 MW	24%			
Kansas City Power & Light (KCP&L)							
<i>2012 Projected Load</i>							
<i>2012 Resource</i>							
1,698 MW	Spearville 1	Own	100.5	47.2			
	Spearville 2	Own	48	22.6			
	Cimarron II	2032	131.1	61.6			
	Spearville 3	2032	100.8	47.4			
			Total 178.8 MW	11%			
<i>2016 Projected Load</i>							
<i>2016 Resource</i>							
1,587 MW	Spearville 1	Contract Expiration	MW Capacity	Kansas 1-10 Adjustment	Percentage		
		Own	100.5	47.2			

	Spearville 2	Own	48	22.6		
	Cimarron II	2032	131.1	61.6		
	Spearville 3	2032	100.8	47.4		
	Nebraska Hydro	2024	56	56		
	Future 1	2036 or Own	100	47.0		
			Total 281.8 MW		18%	
2020 Projected Load	2020 Resource	Contract Expiration	MW Capacity	Kansas 1-10 Adjustment	Percentage	
1,625 MW	Spearville 1	Own	100.5	47.2		
	Spearville 2	Own	48	22.6		
	Cimarron II	2032	131.1	61.6		
	Spearville 3	2032	100.8	47.4		
	Nebraska Hydro	2024	56	56		
	Future 1	2036 or Own	100	47.0		
	Future 2	2040 or Own	200	94.0		
			Total 375.7 MW		23%	
Westar Energy						
2012 Projected Load	2012 Resource	Contract Expiration	MW Capacity	Kansas 1-10 Adjustment	Total 2012 Benchmark Percentage	
5209 MW	Central Plains Wind Farm	Owned	99	109		
	Flat Ridge 1A Wind Farm	Owned	50	55		
	Flat Ridge 1B Wind Farm	March, 2029	50	55		
	Meridian Way Wind Farm	December, 2029	96	106		
	Rolling Meadows Landfill	January, 2030	6	6		
	Ironwood Wind Farm	August, 2032	168	185		
	Post Rock Wind Farm	October, 2032	201	221		
			Total 737 MW		14%	
2016 Projected Load	2016 Resource	Contract Expiration	MW Capacity	Kansas 1-10 Adjustment	Total 2016 Benchmark Percentage	
5373 MW	Central Plains Wind Farm	Owned	99	109		
	Flat Ridge 1A Wind Farm	Owned	50	55		
	Flat Ridge 1B Wind Farm	March, 2029	50	55		
	Meridian Way Wind Farm	December, 2029	96	106		
	Rolling Meadows Landfill	January, 2030	6	6		
	Ironwood Wind Farm	August, 2032	168	185		
	Post Rock Wind Farm	October, 2032	201	221		
			Total 737 MW		14%	

2020 Projected Load	2020 Resource	Contract Expiration	MW Capacity	Kansas 1.10 Adjustment	Percentage
5559 MW	Central Plains Wind Farm	Owned	99	109	
	Flat Ridge 1A Wind Farm	Owned	50	55	
	Flat Ridge 1B Wind Farm	March, 2029	50	55	
	Meridian Way Wind Farm	December, 2029	96	106	
	Rolling Meadows Landfill	January, 2030	6	6	
	Ironwood Wind Farm	August, 2032	168	185	
	Post Rock Wind Farm	October, 2032	201	221	
			Total 737 MW		13%
Kansas Electric Power Co-Op (KEPCO)					
2012 Projected Load	2012 Resource	Contract Expiration	MW Capacity	Kansas 1.10 Adjustment	Total 2011 Benchmark Percentage
455	SWPA (hydroelectric)	2031	100 MW	0	22%
	WAPA (hydroelectric)	2024	14 MW	0	3%
			Total 114 MW		Total 25%
2016 Projected Load	2016 Resource	Contract Expiration	MW Capacity	Kansas 1.10 Adjustment	Percentage
509	SWPA	2031	100 MW	0	19.6%
	WAPA	2024	14 MW	0	2.8%
			Total 114 MW		Total 22.4%
2020 Projected Load	2020 Resource	Contract Expiration	MW Capacity	Kansas 1.10 Adjustment	Percentage
547	SWPA	2031	100 MW	0	18.3%
	WAPA	2024	14 MW	0	2.6%
			Total 114 MW		Total 20.9%
Midwest Energy					
2012 Projected Load	2012 Resource	Contract Expiration	MW Capacity	Kansas 1.10 In-State Sweater	Total 2011 Benchmark Percentage
354 MW	Smoky Hill Wind Farm 1	March 2027	25	27.5	
	Smoky Hill Wind Farm 2	November 2027	24	26.4	
	Western Area Power Admin.	December 2020	3.1	3.1	
			Total 57 MW		16.1%
2016 Projected Load	2016 Resource	Contract Expiration	MW Capacity	Kansas 1.10 Adjustment	Percentage

374 MW	Smoky Hill Wind Farm 1	March 2027	25	27.5		
	Smoky Hill Wind Farm 2	November 2027	24	26.4		
	Western Area Power Admin.	December 2020	3.1	3.1		
			Total 57 MW		15.2%	
2020 Projected Load						
399 MW	Smoky Hill Wind Farm 1	March 2027	25	27.5		
	Smoky Hill Wind Farm 2	November 2027	24	26.4		
	Western Area Power Admin.	December 2020	3.1	3.1		
			Total 57 MW		14.3%	
Sunflower Electric Power Corporation/Mid-Kansas Electric Company (Sunflower and MKEC)						
2012 Projected Load						
774.72 MW	Smoky Hill Wind Farm 1	January 2028	50	55		
	Smoky Hill Wind Farm 2	December 2028	24	26		
	Gray County Wind Farm	September 2016	51	55		
	Western Area Power Admin.	December 2024	5	5		
			Total 141 MW		18%	
2016 Projected Load						
872 MW	Smoky Hill Wind Farm 1	January 2028	50	55		
	Smoky Hill Wind Farm 2	December 2028	24	26		
	Gray County Wind Farm	September 2016	51	55		
	Western Area Power Admin.	December 2024	5	5		
	Shooting Star	December 2032	104	114		
			Total 255 MW		29%	
2020 Projected Load						
951 MW	Smoky Hill Wind Farm 1	January 2028	50	55		
	Smoky Hill Wind Farm 2	December 2028	24	26		
	Western Area Power Admin.	December 2024	5.3	5		
	Shooting Star Wind Farm	December 2032	104	114		
			Total 200 MW		21%	
Kansas City Board of Public Utilities (KCBPU)						
2012 Projected Load						
	2012 Resource	Contract Expiration	MW Capacity	Kansas 110 Adjustment	Total 2011 Benchmark Percentage	

495	Smoky Hills Wind Farm Phase 1	June 2027	25	27.5		
	Western Area Power Admin.	September 2024	5	5		
	Southwest Power Admin.	June 2020	38.6	38.6		
	Oak Grove Land Fill Gas	October 2035	1.6	1.8		
	Bowersock Mills	October 2037	4	4.4		
				Total 77.3 MW	15.6%	
	2016 Projected Load	2016 Resource				
505	Smoky Hills Wind Farm Phase 1	June 2027	25	27.5		
	Western Area Power Admin.	September 2024	5	5		
	Southwest Power Admin.	June 2020	38.6	38.6		
	Oak Grove Land Fill Gas	October 2035	3.6	3.9		
	Bowersock Mills	October 2037	7	7.7		
				Total 82.7 MW	16.3%	
	2020 Projected Load	2020 Resource				
509	Smoky Hills Wind Farm Phase 1	June 2027	25	27.5		
	Western Area Power Admin.	September 2024	5	5		
	Southwest Power Admin.	June 2020	38.6	38.6		
	Oak Grove Land Fill Gas	October 2035	3.6	3.9		
	Bowersock Mills	October 2037	7	7.7		
	Future Purchase TBD			20		
				Total 102 MW	20%	