

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>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</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>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</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>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Total 2011 Benchmark Percentage</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>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	
1,587 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		
				Total 281.8 MW	18%	
<i>2020 Projected Load</i>	<i>2020 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	
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						
<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>	
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%	
<i>2016 Projected Load</i>	<i>2016 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Total 2016 Benchmark Percentage</i>	
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%	

<i>2020 Projected Load</i>	<i>2020 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	
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)						
<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>	
455	SWPA (hydroelectric)	2031	100 MW	0	22%	
	WAPA (hydroelectric)	2024	14 MW	0	3%	
			Total 114 MW		Total 25%	
<i>2016 Projected Load</i>	<i>2016 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	
509	SWPA	2031	100 MW	0	19.6%	
	WAPA	2024	14 MW	0	2.8%	
			Total 114 MW		Total 22.4%	
<i>2020 Projected Load</i>	<i>2020 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	
547	SWPA	2031	100 MW	0	18.3%	
	WAPA	2024	14 MW	0	2.6%	
			Total 114 MW		Total 20.9%	
Midwest Energy						
<i>2012 Projected Load</i>	<i>2012 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 In-State Sweetener</i>	<i>Total 2011 Benchmark Percentage</i>	
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%	
<i>2016 Projected Load</i>	<i>2016 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	

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%	
<i>2020 Projected Load</i>	<i>2020 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 In-State Sweetener</i>	<i>Percentage</i>	
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)						
<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>	
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%	
<i>2016 Projected Load</i>	<i>2016 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	
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%	
<i>2020 Projected Load</i>	<i>2020 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	
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)						
<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>	

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	<i>October 2035</i>	1.6	1.8		
	Bowersock Mills	October 2037	4	4.4		
				Total 77.3 MW	15.6%	
<i>2016 Projected Load</i>	<i>2016 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	
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	<i>October 2035</i>	3.6	3.9		
	Bowersock Mills	<i>October 2037</i>	7	7.7		
				Total 82.7 MW	16.3%	
<i>2020 Projected Load</i>	<i>2020 Resource</i>	<i>Contract Expiration</i>	<i>MW Capacity</i>	<i>Kansas 1.10 Adjustment</i>	<i>Percentage</i>	
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	<i>October 2035</i>	3.6	3.9		
	Bowersock Mills	<i>October 2037</i>	7	7.7		
	Future Purchase TBD			20		
				Total 102 MW	20%	