

ESG/Sustainability Report – Quantitative Information

Parent Company: *Evergy, Inc.*
Operating Company(s): *KCP&L, KCP&L Greater Missouri Operations Company*
Business Type(s): *Vertically Integrated*
State(s) of Operation: *Missouri and Kansas*
State(s) with RPS Programs: *Missouri and Kansas (voluntary)*
Regulatory Environment: *Regulated*
Report Date: *October-18*

	Baseline		
	2012	2016	2017
Utility Portfolio			
Total Available Nameplate Generation Capacity at end of year (MW)			
Coal	4,054	3,866	3,705
Natural Gas	1,746	1,765	1,836
Nuclear	609	609	609
Petroleum	546	527	546
Biomass/Biogas	2	4	4
Hydroelectric		66	66
Wind	539	1,089	1,389
Solar		3	3
Total Renewable Energy Resources	541	1,162	1,462
Net Generation for the data year (MWh)			
Coal	22,715,818	17,511,406	16,625,380
Natural Gas	504,774	163,331	110,230
Nuclear	3,893,914	3,875,640	5,004,554
Petroleum	39,920	31,615	41,561
Biomass/Biogas	3,295	24,956	24,200
Hydroelectric		418,419	306,699
Wind	1,133,020	2,599,121	4,357,730
Solar		2,966	2,801
Total Renewable Energy Resources	1,136,315	3,045,462	4,691,430
Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters			
Total Annual Capital Expenditures (nominal dollars)	\$610,200,000	\$ 609,400,000	\$ 573,500,000
Incremental Annual Savings from EE Measures (MWh, at end of year)	57,918	179,526	318,181
Investment in EE Programs (nominal dollars, at end of year)	-	\$ 54,252,000	\$ 40,340,800
Percent of Total Electric Customers with Smart Meters (at end of year)	-	80%	80%
Retail Electric Customer Count (Year Average)			
Commercial	96,858	99,462	100,690
Industrial	2,248	2,147	2,136
Residential	727,059	750,556	760,051
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	22,542,814	17,427,596	15,746,464
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.797	0.708	0.595
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	22,985,738	17,708,361	16,213,949
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.812	0.719	0.612
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	11,878	9,380	4,464
Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)			
Total			
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)	14,317	8,293	6,241
Total NOx Emissions Intensity (MT/Net MWh)	0.0008	0.0003	0.0002
Sulfur Dioxide (SO2)			
Total SO2 Emissions (MT)	21,609	7,062	6,671
Total SO2 Emissions Intensity (MT/Net MWh)	0.0005	0.0003	0.0003
Mercury (Hg)			
Total Hg Emissions (kg)	-	3.78	35.5
Total Hg Emissions Intensity (kg/Net MWh)	-	0.0000002	0.000001

Resources**Human Resources**

Total Number of Employees	3,090	2,865	2,709
Total Number on Board of Directors/Trustees	10	10	9
Total Women on Board of Directors/Trustees	2	2	2
Total Minorities on Board of Directors/Trustees	1	1	1
Employee Safety Metrics			
Recordable Incident Rate	2.34	1.45	2.15
Lost-time Case Rate	0.66	0.43	0.80
Days Away, Restricted, and Transfer (DART) Rate	1.15	0.92	1.49
Work-related Fatalities	0	0	0

Fresh Water Resources

Water Withdrawals - Consumptive (Billions of Liters/MWh)	0.000001	0.000001	0.000001
Water Withdrawals - Non-Consumptive Discharge (Billions of Liters/MWh)	0.000091	0.000084	0.000089
Water Withdrawals - Total Withdrawal (Billions of Liters/MWh)	0.000091	0.000085	0.000090

Waste Products

Hazardous Waste Disposal (short tons)		12.85	0.00
Coal Combustion Products Beneficially Used (short tons)	486,501	457,011	389,600