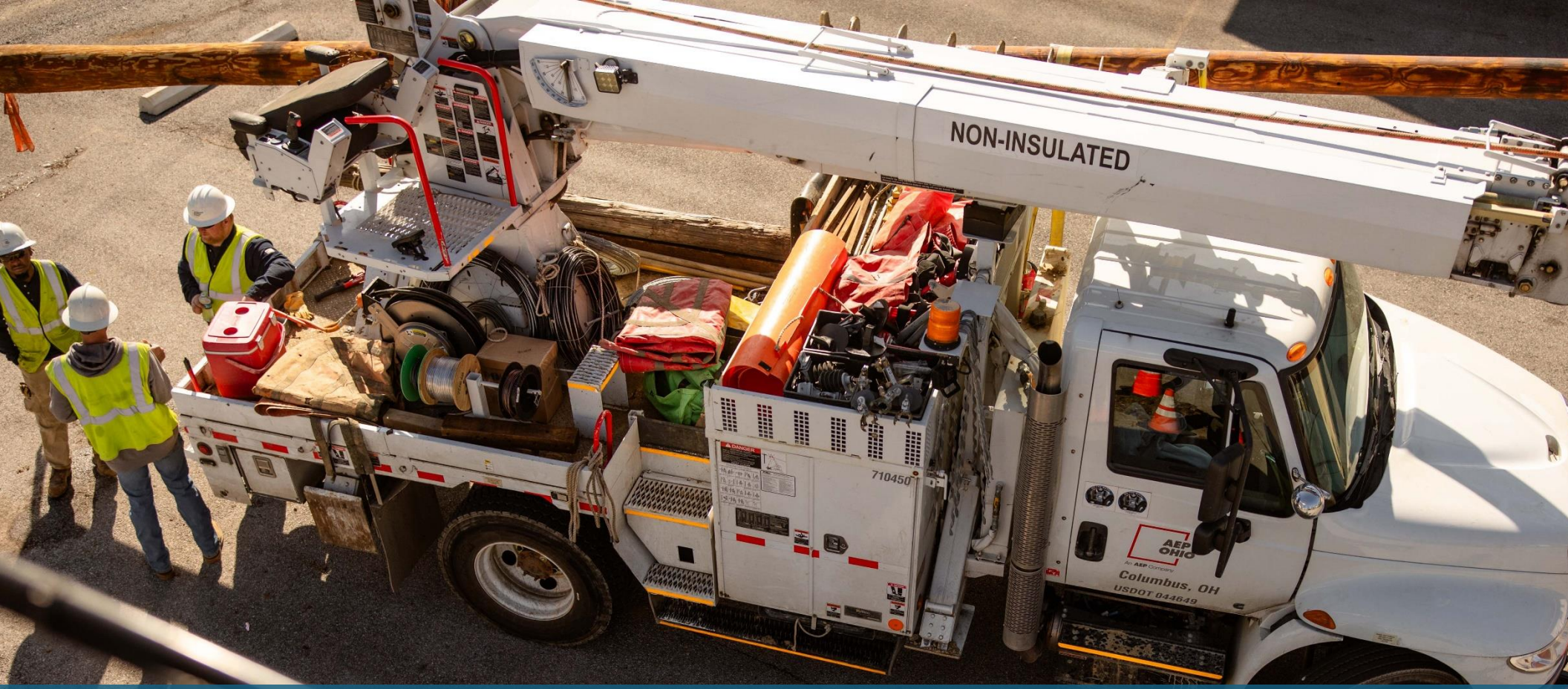

American Electric Power

EEI Investor Sustainability Report

2025

AMERICAN ELECTRIC POWER

EEI Investor Sustainability Report - American Electric Power

Parent Company: American Electric Power
Operating Company(s): Kentucky Power, Appalachian Power, Indian Michigan Power, Public Service Company of Oklahoma, Southwestern Electric Power Company, AEP Ohio, AEP Texas, Kingsport, Wheeling, and AEP Energy
Business Type(s): Vertically integrated and T&D only

State(s) of Operation: Ohio, Texas, Virginia, West Virginia, Tennessee, Inidana, Michigan, Kentucky, Oklahoma, Arkansas, Louisiana
Regulatory Environment: Regulated and Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	Baseline 2005	2022	2023	2024
Portfolio				
Owned Nameplate Generation Capacity at end of year (MW)	35,547	25,050	23,309	23,246
Coal	25,027	11,263	10,711	10,714
Natural Gas	7,520	7,613	7,596	7,539
Nuclear	2,130	2,296	2,296	2,296
Petroleum	0	0	0	0
Total Renewable Energy Resources	870	3,858	2,686	2,697
Biomass/Biogas	0	0	0	0
Geothermal	0	0	0	0
Hydroelectric	870	805	816	816
Solar	0	369	231	41
Wind	0	2,684	1,639	1,840
Other	0	20	20	0
Net Generation for the data year (MWh)	187,188,901	153,810,473	136,288,611	135,657,071
Coal	155,681,562	43,822,578	36,899,973	40,365,333
Natural Gas	10,978,285	15,892,193	17,766,711	18,944,263
Nuclear	19,219,383	16,621,031	18,640,118	18,001,461
Petroleum	0	0	0	0
Total Renewable Energy Resources	1,309,671	19,647,847	15,119,227	15,230,017
Biomass/Biogas	0	0	0	0
Geothermal	0	0	0	0
Hydroelectric	1,024,664	835,750	744,173	708,165
Solar	0	921,720	533,374	320,912
Wind	285,007	17,890,377	13,841,680	14,200,940
Other	0	57,826,824	47,862,582	43,115,997

EEI Investor Sustainability Report - American Electric Power

Parent Company: American Electric Power
Operating Company(s): Kentucky Power, Appalachian Power, Indian Michigan Power, Public Service Company of Oklahoma, Southwestern Electric Power Company, AEP Ohio, AEP Texas, Kingsport, Wheeling, and AEP Energy
Business Type(s): Vertically integrated and T&D only

State(s) of Operation: Ohio, Texas, Virginia, West Virginia, Tennessee, Inidana, Michigan, Kentucky, Oklahoma, Arkansas, Louisiana
Regulatory Environment: Regulated and Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	Baseline 2005	2022	2023	2024
Owned Net Generation for the data year (MWh)	186,903,894	78,674,590	70,483,008	74,431,112
Coal	155,681,562	37,058,587	28,858,441	32,422,082
Natural Gas	10,978,285	14,740,697	16,826,181	17,813,423
Nuclear	19,219,383	16,621,031	18,640,118	18,001,461
Petroleum	0	0	0	0
Total Renewable Energy Resources	1,024,664	10,254,275	6,158,268	6,194,146
Biomass/Biogas	0	0	0	0
Geothermal	0	0	0	0
Hydroelectric	1,024,664	623,425	573,954	564,470
Solar	0	840,748	415,907	202,591
Wind	0	8,790,102	5,168,407	5,427,085
Other	0	0	0	0
Purchased Net Generation for the data year (MWh)	285,007	75,135,883	65,805,603	61,225,959
Coal	0	6,763,991	8,041,532	7,943,251
Natural Gas	0	1,151,496	940,530	1,130,840
Nuclear	0	0	0	0
Petroleum	0	0	0	0
Total Renewable Energy Resources	285,007	9,393,572	8,960,959	9,035,871
Biomass/Biogas	0	0	0	0
Geothermal	0	0	0	0
Hydroelectric	0	212,325	170,219	143,695
Solar	0	80,972	117,467	118,321
Wind	285,007	9,100,275	8,673,273	8,773,855
Other	0	57,826,824	47,862,582	43,115,997

EEI Investor Sustainability Report - American Electric Power

Parent Company: American Electric Power
Operating Company(s): Kentucky Power, Appalachian Power, Indian Michigan Power, Public Service Company of Oklahoma, Southwestern Electric Power Company, AEP Ohio, AEP Texas, Kingsport, Wheeling, and AEP Energy
Business Type(s): Vertically integrated and T&D only

State(s) of Operation: Ohio, Texas, Virginia, West Virginia, Tennessee, Inidana, Michigan, Kentucky, Oklahoma, Arkansas, Louisiana
Regulatory Environment: Regulated and Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	Baseline 2005	2022	2023	2024
Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters				
Total Annual Capital Expenditures (nominal dollars)	/	$7,982 Million	$6,902 Million	$8,352 Million
Incremental Annual Electricity Savings from EE Measures (MWh)	/	349,952	492,506	489,940
Incremental Annual Investment in Electric EE Programs (nominal dollars)	/	$ 86,806,298	$ 101,682,125	$ 108,626,449
Percent of Total Electric Customers with Smart Meters (at end of year)	/	72%	78%	87%
Retail Electric Customer Count (at end of year)				
Commercial	/	736,491	735,123	740,301
Industrial	/	45,189	44,540	43,740
Residential	/	4,755,584	4,787,958	4,823,675
Other	/	30,599	30,690	30,767
Total	/	5,567,863	5,598,311	5,638,483
Emissions				
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)				
Owned Generation				
Carbon Dioxide (CO2)				
Total Owned Generation CO2 Emissions (MT)	145,868,723	45,077,248	39,481,507	41,797,392
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.780	0.573	0.560	0.562
Carbon Dioxide Equivalent (CO2e)				
Total Owned Generation CO2e Emissions (MT)	146,889,804	45,388,856	39,729,995	42,069,705
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.855	0.577	0.564	0.565
Purchased Power				
Carbon Dioxide (CO2)				

EEI Investor Sustainability Report - American Electric Power

Parent Company: American Electric Power
Operating Company(s): Kentucky Power, Appalachian Power, Indian Michigan Power, Public Service Company of Oklahoma, Southwestern Electric Power Company, AEP Ohio, AEP Texas, Kingsport, Wheeling, and AEP Energy
Business Type(s): Vertically integrated and T&D only

State(s) of Operation: Ohio, Texas, Virginia, West Virginia, Tennessee, Inidana, Michigan, Kentucky, Oklahoma, Arkansas, Louisiana
Regulatory Environment: Regulated and Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	Baseline 2005	2022	2023	2024
Total Purchased Generation CO2 Emissions (MT)	0	34,655,246	29,443,594	25,480,389
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.000	0.461	0.447	0.416
Carbon Dioxide Equivalent (CO2e)				
Total Purchased Generation CO2e Emissions (MT)	0	34,922,422	29,640,800	25,562,801
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.000	0.465	0.450	0.418
Owned Generation + Purchased Power				
Carbon Dioxide (CO2)				
Total Owned + Purchased Generation CO2 Emissions (MT)	145,868,723	79,732,494	68,925,101	67,277,781
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.780	0.518	0.506	0.496
Carbon Dioxide Equivalent (CO2e)				
Total Owned + Purchased Generation CO2e Emissions (MT)	146,889,804	80,311,278	69,370,796	67,632,507
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.786	0.522	0.509	0.499
Non-Generation CO2e Emissions				
Fugitive CO2e emissions of sulfur hexafluoride (MT)	/	73,920	197,454	227,093
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	/	0.000940	0.002801	0.003051
Nitrogen Oxide (NOx)				
Total NOx Emissions (MT)	260,844	28,868	27,540	30,790
Total NOx Emissions Intensity (MT/Net MWh)	0.001396	0.000367	0.000391	0.000414
Sulfur Dioxide (SO2)				
Total SO2 Emissions (MT)	824,773	32,672	24,486	27,954
Total SO2 Emissions Intensity (MT/Net MWh)	0.004413	0.000415	0.000347	0.000376

EEI Investor Sustainability Report - American Electric Power

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Operating Company(s): Kentucky Power, Appalachian Power, Indian Michigan Power, Public Service Company of Oklahoma, Southwestern Electric Power Company, AEP Ohio, AEP Texas, Kingsport, Wheeling, and AEP Energy
Business Type(s): Vertically integrated and T&D only

State(s) of Operation: Ohio, Texas, Virginia, West Virginia, Tennessee, Inidana, Michigan, Kentucky, Oklahoma, Arkansas, Louisiana
Regulatory Environment: Regulated and Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	Baseline 2005	2022	2023	2024
Mercury (Hg)				
Total Hg Emissions (kg)	3,640.0	98.9	85.3	92.0
Total Hg Emissions Intensity (kg/Net MWh)	0.000019	0.000001	0.000001	0.000001
Scope 1 Emissions GHG CO2e		51,192,510	43,351,137	46,898,809
CO2 Emissions (MT)		50,678,735	42,876,575	46,370,590
N2O (MT CO2e)		200,497	159,937	173,782
CH4 (MT CO2e)		146,796	117,170	127,345
SF6 (MT CO2e)		166,842	197,454	227,093
Scope 2 Emissions GHG CO2e				
Location Based (MT CO2e)		367,281	1,212,965	1,099,327
Market Based (MT CO2e)		353,732	1,204,324	1,081,558
Scope 3 Emissions GHG CO2e		41,759,164	40,349,289	Data To Come
Category 1: Purchased Goods & Services (MT CO2e)		527,681	2,293,613	Data To Come
Category 1: Purchased Goods & Services (MT CO2e)		41,198,607	38,023,762	Data To Come
Category 1: Purchased Goods & Services (MT CO2e)		7,847	6,529	Data To Come
Category 1: Purchased Goods & Services (MT CO2e)		25,029	23,385	Data To Come

Resources

Human Resources				
Total Number of Employees	19,630	16,974	17,250	16,330
Total Number on Board of Directors/Trustees	11	13	12	12
Total Women on Board of Directors/Trustees	1	6	5	4
Total Minorities on Board of Directors/Trustees	1	4	4	4

EEI Investor Sustainability Report - American Electric Power

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Business Type(s): Vertically integrated and T&D only

State(s) of Operation: Ohio, Texas, Virginia, West Virginia, Tennessee, Inidana, Michigan, Kentucky, Oklahoma, Arkansas, Louisiana
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Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	Baseline 2005	2022	2023	2024
Employee Safety Metrics				
Recordable Incident Rate	2.91	0.719	0.690	0.913
Lost-time Case Rate	0.67	0.312	0.279	0.414
Days Away, Restricted, and Transfer (DART) Rate	/	0.424	0.384	0.556
Work-related Fatalities	/	1	2	0
Fresh Water Resources				
Water Withdrawals - Consumptive (Millions of Gallons)	/	21,079	19,345	32,993
Water Withdrawals - Non-Consumptive (Millions of Gallons)	/	905,689	1,395,760	1,467,788
Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh) *based on total of gallons consumed/total MWhs	/	0.00031	0.00032	0.0005
Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh) *based on individual total water use values/MWhs then all individual values averaged	/	0.013180	0.015020	0.014360
Waste Products				
Amount of Hazardous Waste Manifested for Disposal (Metric Ton)	/	/	47,846	333,663
Percent of Coal Combustion Products Beneficially Used	/	43%	45%	41%

EEI Investor Sustainability Report - Kentucky Power

Parent Company: American Electric Power
Operating Company(s): Kentucky Power
Business Type(s): Vertically integrated
State(s) of Operation: Kentucky
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	1075	1075	1075
Coal	780	780	780
Natural Gas	295	295	295
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	0	0	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	0	0	0
Other	0	0	0
Net Generation for the data year (MWh)	7,157,556	6,041,930	6,167,206
Coal	2,480,860	1,663,651	2,045,089
Natural Gas	504,678	1,172,392	1,101,670
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	0	0	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	0	0	0

EEI Investor Sustainability Report - Kentucky Power

Parent Company: American Electric Power
Operating Company(s): Kentucky Power
Business Type(s): Vertically integrated
State(s) of Operation: Kentucky
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Other	4,172,018	3,205,887	3,020,447
Owned Net Generation for the data year (MWh)	2,985,538	2,836,043	3,146,759
Coal	2,480,860	1,663,651	2,045,089
Natural Gas	504,678	1,172,392	1,101,670
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	0	0	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	0	0	0
Other	0	0	0
Purchased Net Generation for the data year (MWh)	4,172,018	3,205,887	3,020,447
Coal	0	0	0
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	0	0	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0

EEI Investor Sustainability Report - Kentucky Power

Parent Company: American Electric Power
Operating Company(s): Kentucky Power
Business Type(s): Vertically integrated
State(s) of Operation: Kentucky
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Wind	0	0	0
Other	4,172,018	3,205,887	3,020,447
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	3,090,680	2,416,441	2,743,028
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	1.035	0.852	0.872
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	3,113,397	2,431,424	2,760,880
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	1.043	0.857	0.877
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	1,762,000	1,356,875	1,227,149
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.422	0.423	0.406
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	1,775,039	1,365,641	1,235,322
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.425	0.426	0.409
Owned Generation + Purchased Power			
Carbon Dioxide (CO2)			
Total Owned + Purchased Generation CO2 Emissions (MT)	4,852,680	3,773,316	3,970,177
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.678	0.625	0.644

EEI Investor Sustainability Report - Kentucky Power

Parent Company: American Electric Power
Operating Company(s): Kentucky Power
Business Type(s): Vertically integrated
State(s) of Operation: Kentucky
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	4,888,436	3,797,064	3,996,202
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.683	0.628	0.648
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	3,425	7,227	8,456
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	0.00115	0.00255	0.00269
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)	1,467	1,608	1,676
Total NOx Emissions Intensity (MT/Net MWh)	0.000205	0.000266	0.000272
Sulfur Dioxide (SO2)			
Total SO2 Emissions (MT)	1,314	569	853
Total SO2 Emissions Intensity (MT/Net MWh)	0.000184	0.000094	0.000138
Mercury (Hg)			
Total Hg Emissions (kg)	5.56	4.85	5.38
Total Hg Emissions Intensity (kg/Net MWh)	0.000001	0.000001	0.000001

EEI Investor Sustainability Report - Appalachian Power

Parent Company: American Electric Power
Operating Company(s): Appalachian Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Virginia, West Virginia, Tennessee
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	6,681	6,712	6,717
Coal	4,250	4,270	4,270
Natural Gas	1,646	1,646	1,646
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	785	796	801
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	785	796	796
Solar	0	0	5
Wind	0	0	0
Other	0	0	0
Net Generation for the data year (MWh)	33,400,899	32,020,313	32,356,800
Coal	14,226,619	15,062,711	16,035,119
Natural Gas	4,977,033	4,700,171	5,262,156
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	2,117,212	1,944,550	1,964,087
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	745,699	658,085	613,693
Solar	68,265	109,974	115,957

EEI Investor Sustainability Report - Appalachian Power

Parent Company: American Electric Power
Operating Company(s): Appalachian Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Virginia, West Virginia, Tennessee
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Wind	1,303,248	1,176,491	1,234,437
Other	12,080,035	10,312,881	9,095,438
Owned Net Generation for the data year (MWh)	17,936,505	18,583,221	20,079,776
Coal	12,426,098	13,392,440	14,338,215
Natural Gas	4,977,033	4,700,171	5,262,156
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	533,374	490,610	479,405
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	533,374	487,866	469,998
Solar	0	2,744	9,407
Wind	0	0	0
Other	0	0	0
Purchased Net Generation for the data year (MWh)	15,464,394	13,437,092	12,277,024
Coal	1,800,521	1,670,271	1,696,904
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	1,583,838	1,453,940	1,484,682
Biomass/Biogas	0	0	0
Geothermal	0	0	0

EEI Investor Sustainability Report - Appalachian Power

Parent Company: American Electric Power
Operating Company(s): Appalachian Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Virginia, West Virginia, Tennessee
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Hydroelectric	212,325	170,219	143,695
Solar	68,265	107,230	106,550
Wind	1,303,248	1,176,491	1,234,437
Other	12,080,035	10,312,881	9,095,438
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	14,314,188	15,409,132	16,255,737
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.798	0.829	0.810
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	14,415,620	15,520,053	16,371,824
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.804	0.835	0.815
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	7,712,888	6,270,976	5,385,995
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.499	0.467	0.439
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	7,769,374	6,313,885	5,390,074
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.502	0.470	0.439
Owned Generation + Purchased Power			

EEI Investor Sustainability Report - Appalachian Power

Parent Company: American Electric Power
Operating Company(s): Appalachian Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Virginia, West Virginia, Tennessee
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Carbon Dioxide (CO2)			
Total Owned + Purchased Generation CO2 Emissions (MT)	22,027,076	21,680,108	21,641,732
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.659	0.677	0.669
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	22,184,994	21,833,938	21,761,898
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.664	0.682	0.673
	1.007	1.007	1.006
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	16,208	33,576	38,531
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	0.00090	0.00181	0.00192
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)	7,111	8,056	9,933
Total NOx Emissions Intensity (MT/Net MWh)	0.000213	0.000252	0.000307
Sulfur Dioxide (SO2)			
Total SO2 Emissions (MT)	8,231	7,549	6,835
Total SO2 Emissions Intensity (MT/Net MWh)	0.000246	0.000236	0.000211
Mercury (Hg)			
Total Hg Emissions (kg)	22.68	36	47.02
Total Hg Emissions Intensity (kg/Net MWh)	0.000001	0.000001	0.000001

EEI Investor Sustainability Report - Appalachian Power (Kingsport)

Parent Company: American Electric Power
Operating Company(s): Appalachian Power (Kingsport)
Business Type(s): Merchant Generator - Purchased Power Only
State(s) of Operation: Tennessee
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	0	0	0
Coal			
Natural Gas			
Nuclear			
Petroleum			
Total Renewable Energy Resources	0	0	0
Biomass/Biogas			
Geothermal			
Hydroelectric			
Solar			
Wind			
Other			
Net Generation for the data year (MWh)	1,938,878	1,942,232	1,838,310
Coal	0	0	0
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	0	0	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	0	0	0

EEI Investor Sustainability Report - Appalachian Power (Kingsport)

Parent Company: American Electric Power
Operating Company(s): Appalachian Power (Kingsport)
Business Type(s): Merchant Generator - Purchased Power Only
State(s) of Operation: Tennessee
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Other	1,938,878	1,942,232	1,838,310
Owned Net Generation for the data year (MWh)	0	0	0
Coal			
Natural Gas			
Nuclear			
Petroleum			
Total Renewable Energy Resources	0	0	0
Biomass/Biogas			
Geothermal			
Hydroelectric			
Solar			
Wind			
Other			
Purchased Net Generation for the data year (MWh)	1,938,878	1,942,232	1,838,310
Coal			
Natural Gas			
Nuclear			
Petroleum			
Total Renewable Energy Resources	0	0	0
Biomass/Biogas			
Geothermal			
Hydroelectric			
Solar			

EEI Investor Sustainability Report - Appalachian Power (Kingsport)

Parent Company: American Electric Power
Operating Company(s): Appalachian Power (Kingsport)
Business Type(s): Merchant Generator - Purchased Power Only
State(s) of Operation: Tennessee
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Wind			
Other	1,938,878	1,942,232	1,838,310
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	0	0	0
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	0	0	0
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	819,301	822,040	746,870
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.423	0.423	0.406
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	825,364	827,350	751,844
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.426	0.426	0.409
Owned Generation + Purchased Power			
Carbon Dioxide (CO2)			
Total Owned + Purchased Generation CO2 Emissions (MT)	819,301	822,040	746,870
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.423	0.423	0.406

EEI Investor Sustainability Report - Appalachian Power (Kingsport)

Parent Company: American Electric Power
Operating Company(s): Appalachian Power (Kingsport)
Business Type(s): Merchant Generator - Purchased Power Only
State(s) of Operation: Tennessee
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	825,364	827,350	751,844
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.426	0.426	0.409
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	0	418	486
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	0	0	0
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)			
Total NOx Emissions Intensity (MT/Net MWh)	0.000000	0.000000	0.000000
Sulfur Dioxide (SO2)			
Total SO2 Emissions (MT)			
Total SO2 Emissions Intensity (MT/Net MWh)	0.000000	0.000000	0.000000
Mercury (Hg)			
Total Hg Emissions (kg)	0.0	0.0	0.0
Total Hg Emissions Intensity (kg/Net MWh)	0.000000	0.000000	0.000000

EEI Investor Sustainability Report - Appalachian Power (Wheeling)

Parent Company: American Electric Power
Operating Company(s): Appalachian Power (Wheeling Power)
Business Type(s): Vertically Integrated
State(s) of Operation: West Virginia
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	780	780	780
Coal	780	780	780
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	0	0	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	0	0	0
Other	0	0	0
Net Generation for the data year (MWh)	5,249,058	5,193,658	5,415,300
Coal	1,750,943	1,663,652	2,045,089
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	0	0	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0

EEI Investor Sustainability Report - Appalachian Power (Wheeling)

Parent Company: American Electric Power
Operating Company(s): Appalachian Power (Wheeling Power)
Business Type(s): Vertically Integrated
State(s) of Operation: West Virginia
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Wind	0	0	0
Other	3,498,115	3,530,006	3,370,211
Owned Net Generation for the data year (MWh)	1,750,943	1,663,652	2,045,089
Coal	1,750,943	1,663,652	2,045,089
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	0	0	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	0	0	0
Other	0	0	0
Purchased Net Generation for the data year (MWh)	3,498,115	3,530,006	3,370,211
Coal	0	0	0
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	0	0	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0

EEI Investor Sustainability Report - Appalachian Power (Wheeling)

Parent Company: American Electric Power
Operating Company(s): Appalachian Power (Wheeling Power)
Business Type(s): Vertically Integrated
State(s) of Operation: West Virginia
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Solar	0	0	0
Wind	0	0	0
Other	3,498,115	3,530,006	3,370,211
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	1,848,734	1,776,275	2,135,455
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	1.056	1.068	1.044
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	1,863,604	1,790,606	2,152,690
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	1.064	1.076	1.053
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	1,659,857	1,601,336	1,393,099
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.475	0.454	0.413
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	1,673,136	1,611,680	1,402,377
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.478	0.457	0.416
Owned Generation + Purchased Power			
Carbon Dioxide (CO2)			

EEI Investor Sustainability Report - Appalachian Power (Wheeling)

Parent Company: American Electric Power
Operating Company(s): Appalachian Power (Wheeling Power)
Business Type(s): Vertically Integrated
State(s) of Operation: West Virginia
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Total Owned + Purchased Generation CO2 Emissions (MT)	3,508,591	3,377,610	3,528,554
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.668	0.650	0.652
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	3,536,740	3,402,286	3,555,067
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.674	0.655	0.656
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	792	1,672	1,864
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	0.00045	0.00101	0.00091
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)	753	718	858
Total NOx Emissions Intensity (MT/Net MWh)	0.000143	0.000138	0.000158
Sulfur Dioxide (SO2)			
Total SO2 Emissions (MT)	795	542	826
Total SO2 Emissions Intensity (MT/Net MWh)	0.000151	0.000104	0.000153
Mercury (Hg)			
Total Hg Emissions (kg)	3.86	4.85	5.38
Total Hg Emissions Intensity (kg/Net MWh)	0.000001	0.000001	0.000001

EEI Investor Sustainability Report - Indiana Michigan Power

Parent Company: American Electric Power
Operating Company(s): Indiana Michigan Power
Business Type(s): Vertically Integrated
State(s) of Operation: Michigan & Indiana
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	4,972	4,972	4,972
Coal	2,620	2,620	2,620
Natural Gas	0	0	0
Nuclear	2,296	2,296	2,296
Petroleum	0	0	0
Total Renewable Energy Resources	56	56	56
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	20	20	20
Solar	36	36	36
Wind	0	0	0
Other	0	0	0
Net Generation for the data year (MWh)	29,372,992	26,625,896	29,645,850
Coal	6,052,758	3,603,027	5,909,786
Natural Gas	0	0	0
Nuclear	16,621,031	18,640,118	18,001,461
Petroleum	0	0	0
Total Renewable Energy Resources	1,486,518	1,390,301	1,447,717
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	90,051	86,088	94,472
Solar	43,714	54,050	60,927

EEI Investor Sustainability Report - Indiana Michigan Power

Parent Company: American Electric Power
Operating Company(s): Indiana Michigan Power
Business Type(s): Vertically Integrated
State(s) of Operation: Michigan & Indiana
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Wind	1,352,753	1,250,163	1,292,318
Other	5,212,685	2,992,450	4,286,886
Owned Net Generation for the data year (MWh)	21,907,294	21,548,147	23,218,194
Coal	5,152,498	2,767,891	5,061,334
Natural Gas	0	0	0
Nuclear	16,621,031	18,640,118	18,001,461
Petroleum	0	0	0
Total Renewable Energy Resources	133,765	140,138	155,399
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	90,051	86,088	94,472
Solar	43,714	54,050	60,927
Wind	0	0	0
Other	0	0	0
Purchased Net Generation for the data year (MWh)	7,465,698	5,077,749	6,427,656
Coal	900,260	835,136	848,452
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	1,352,753	1,250,163	1,292,318
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0

EEI Investor Sustainability Report - Indiana Michigan Power

Parent Company: American Electric Power
Operating Company(s): Indiana Michigan Power
Business Type(s): Vertically Integrated
State(s) of Operation: Michigan & Indiana
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Wind	1,352,753	1,250,163	1,292,318
Other	5,212,685	2,992,450	4,286,886
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	5,426,783	3,088,188	5,133,946
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.248	0.143	0.221
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	5,469,618	3,112,526	5,174,451
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.250	0.144	0.223
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	3,463,874	2,153,826	2,585,180
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.464	0.424	0.402
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	3,491,308	2,168,939	2,586,502
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.468	0.427	0.402
Owned Generation + Purchased Power			
Carbon Dioxide (CO2)			
Total Owned + Purchased Generation CO2 Emissions (MT)	8,890,657	5,242,014	7,719,126
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.303	0.197	0.260

EEI Investor Sustainability Report - Indiana Michigan Power

Parent Company: American Electric Power
Operating Company(s): Indiana Michigan Power
Business Type(s): Vertically Integrated
State(s) of Operation: Michigan & Indiana
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	8,960,926	5,281,465	7,760,953
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.305	0.198	0.262
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	11,695	24,207	26,440
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	0.00053	0.00112	0.00114
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)	2,426	1,644	2,333
Total NOx Emissions Intensity (MT/Net MWh)	0.000083	0.000062	0.000079
Sulfur Dioxide (SO2)			
Total SO2 Emissions (MT)	3,388	2,248	3,376
Total SO2 Emissions Intensity (MT/Net MWh)	0.000115	0.000084	0.000114
Mercury (Hg)			
Total Hg Emissions (kg)	9.64	5.85	12.74
Total Hg Emissions Intensity (kg/Net MWh)	0.000000	0.000000	0.000000

EEI Investor Sustainability Report - Public Service Company of Oklahoma

Parent Company: American Electric Power
Operating Company(s): Public Service Company of Oklahoma
Business Type(s): Vertically Integrated
State(s) of Operation: Oklahoma
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	4,380	4,515	4,489
Coal	465	472	472
Natural Gas	3,240	3,213	3,187
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	675	830	830
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	675	830	830
Other	0	0	0
Net Generation for the data year (MWh)	21,935,780	20,140,563	20,636,583
Coal	2,433,601	1,677,437	1,320,829
Natural Gas	5,430,512	6,186,136	7,062,158
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	5,798,881	6,051,443	6,108,427
Biomass/Biogas	0	0	0
Geothermal	0	0	0

EEI Investor Sustainability Report - Public Service Company of Oklahoma

Parent Company: American Electric Power
Operating Company(s): Public Service Company of Oklahoma
Business Type(s): Vertically Integrated
State(s) of Operation: Oklahoma
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Hydroelectric	0	0	0
Solar	0	0	0
Wind	5,798,881	6,051,443	6,108,427
Other	8,272,786	6,225,547	6,145,169
Owned Net Generation for the data year (MWh)	8,617,582	9,457,130	9,999,306
Coal	2,433,601	1,677,437	1,320,829
Natural Gas	4,300,616	5,257,756	5,940,568
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	1,883,365	2,521,937	2,737,909
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	1,883,365	2,521,937	2,737,909
Other	0	0	0
Purchased Net Generation for the data year (MWh)	13,318,198	10,683,433	10,637,277
Coal	0	0	0
Natural Gas	1,129,896	928,380	1,121,590
Nuclear	0	0	0

EEI Investor Sustainability Report - Public Service Company of Oklahoma

Parent Company: American Electric Power
Operating Company(s): Public Service Company of Oklahoma
Business Type(s): Vertically Integrated
State(s) of Operation: Oklahoma
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Petroleum	0	0	0
Total Renewable Energy Resources	3,915,516	3,529,506	3,370,518
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	3,915,516	3,529,506	3,370,518
Other	8,272,786	6,225,547	6,145,169
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	4,827,143	5,081,133	4,976,948
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.560	0.537	0.498
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	4,849,810	5,099,282	4,991,916
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.563	0.539	0.499
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	4,317,664	3,106,044	2,923,723

EEI Investor Sustainability Report - Public Service Company of Oklahoma

Parent Company: American Electric Power
Operating Company(s): Public Service Company of Oklahoma
Business Type(s): Vertically Integrated
State(s) of Operation: Oklahoma
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.324	0.291	0.275
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	4,340,014	3,126,448	2,943,953
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.326	0.293	0.277
Owned Generation + Purchased Power			
Carbon Dioxide (CO2)			
Total Owned + Purchased Generation CO2 Emissions (MT)	9,144,807	8,187,177	7,900,671
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.417	0.407	0.383
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	9,189,824	8,225,730	7,935,870
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.419	0.408	0.385
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	7,509	15,634	18,170
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	0.00087	0.00165	0.00182
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)	5,388	6,431	6,553
Total NOx Emissions Intensity (MT/Net MWh)	0.000246	0.000319	0.000318
Sulfur Dioxide (SO2)			

EEI Investor Sustainability Report - Public Service Company of Oklahoma

Parent Company: American Electric Power
Operating Company(s): Public Service Company of Oklahoma
Business Type(s): Vertically Integrated
State(s) of Operation: Oklahoma
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Total SO2 Emissions (MT)	4,305	2,902	2,357
Total SO2 Emissions Intensity (MT/Net MWh)	0.000196	0.000144	0.000114
Mercury (Hg)			
Total Hg Emissions (kg)	5.44	2.90	0.77
Total Hg Emissions Intensity (kg/Net MWh)	0.000000	0.000000	0.000000

EEI Investor Sustainability Report - Southwestern Electric Power Company

Parent Company: American Electric Power
Operating Company(s): Southwestern Electric Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Arkansas, Louisiana, Texas
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	5,585	5,009	5,213
Coal	2,368	1,789	1,792
Natural Gas	2,408	2,411	2,411
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	809	809	1,010
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	809	809	1,010
Other	0	0	0
Net Generation for the data year (MWh)	24,978,854	24,140,375	24,064,735
Coal	10,642,803	7,693,370	7,611,526
Natural Gas	4,906,490	5,633,639	5,457,202
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	3,776,006	3,613,077	3,564,874
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0

EEI Investor Sustainability Report - Southwestern Electric Power Company

Parent Company: American Electric Power
Operating Company(s): Southwestern Electric Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Arkansas, Louisiana, Texas
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Solar	0	0	0
Wind	3,776,006	3,613,077	3,564,874
Other	5,653,555	7,200,289	7,431,133
Owned Net Generation for the data year (MWh)	17,783,597	15,961,329	15,748,654
Coal	10,642,803	7,693,370	7,611,526
Natural Gas	4,884,890	5,621,489	5,447,952
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	2,255,904	2,646,470	2,689,176
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	2,255,904	2,646,470	2,689,176
Other	0	0	0
Purchased Net Generation for the data year (MWh)	7,195,257	8,179,046	8,316,081
Coal	0	0	0
Natural Gas	21,600	12,150	9,250
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	1,520,102	966,607	875,698

EEI Investor Sustainability Report - Southwestern Electric Power Company

Parent Company: American Electric Power
Operating Company(s): Southwestern Electric Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Arkansas, Louisiana, Texas
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	1,520,102	966,607	875,698
Other	5,653,555	7,200,289	7,431,133
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	13,545,443	11,681,754	10,528,566
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.762	0.732	0.669
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	13,636,249	11,747,336	10,594,076
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.767	0.736	0.673
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	2,653,969	3,178,880	3,011,627
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.369	0.389	0.362
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	2,671,773	3,199,437	3,031,676

EEI Investor Sustainability Report - Southwestern Electric Power Company

Parent Company: American Electric Power
Operating Company(s): Southwestern Electric Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Arkansas, Louisiana, Texas
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.371	0.391	0.365
Owned Generation + Purchased Power			
Carbon Dioxide (CO2)			
Total Owned + Purchased Generation CO2 Emissions (MT)	16,199,412	14,860,634	13,540,193
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.649	0.616	0.563
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	16,308,022	14,946,773	13,625,751
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.653	0.619	0.566
	0.000	0.000	0.000
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	11,194	23,646	27,452
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	0.00063	0.00148	0.00174
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)	9,718	7,534	7,792
Total NOx Emissions Intensity (MT/Net MWh)	0.000389	0.000312	0.000324
Sulfur Dioxide (SO2)			
Total SO2 Emissions (MT)	11,682	9,593	12,598
Total SO2 Emissions Intensity (MT/Net MWh)	0.000468	0.000397	0.000524
Mercury (Hg)			

EEI Investor Sustainability Report - Southwestern Electric Power Company

Parent Company: American Electric Power
Operating Company(s): Southwestern Electric Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Arkansas, Louisiana, Texas
Regulatory Environment: Regulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Total Hg Emissions (kg)	48.30	17.65	12.75
Total Hg Emissions Intensity (kg/Net MWh)	0.000002	0.000001	0.000001

EEI Investor Sustainability Report - AEP Ohio

Parent Company: American Electric Power
Operating Company(s): AEP Ohio (Generation Resources)
Business Type(s): Merchant Generator - Purchased Power Only
State(s) of Operation: Ohio
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	0	0	0
Coal			
Natural Gas			
Nuclear			
Petroleum			
Total Renewable Energy Resources	0	0	0
Biomass/Biogas			
Geothermal			
Hydroelectric			
Solar			
Wind			
Other			
Net Generation for the data year (MWh)	19,867,121	15,110,476	10,661,188
Coal	2,285,276	2,119,959	2,153,763
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	583,093	537,227	579,022
Biomass/Biogas	0	0	0
Geothermal	0	0	0

EEI Investor Sustainability Report - AEP Ohio

Parent Company: American Electric Power
Operating Company(s): AEP Ohio (Generation Resources)
Business Type(s): Merchant Generator - Purchased Power Only
State(s) of Operation: Ohio
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Hydroelectric	0	0	0
Solar	12,707	10,237	11,771
Wind	570,386	526,990	567,251
Other	16,998,752	12,453,290	7,928,403
Owned Net Generation for the data year (MWh)	0	0	0
Coal			
Natural Gas			
Nuclear			
Petroleum			
Total Renewable Energy Resources	0	0	0
Biomass/Biogas			
Geothermal			
Hydroelectric			
Solar			
Wind			
Other			
Purchased Net Generation for the data year (MWh)	19,867,121	15,110,476	10,661,188
Coal	2,285,276	2,119,959	2,153,763
Natural Gas			
Nuclear			

EEI Investor Sustainability Report - AEP Ohio

Parent Company: American Electric Power
Operating Company(s): AEP Ohio (Generation Resources)
Business Type(s): Merchant Generator - Purchased Power Only
State(s) of Operation: Ohio
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Petroleum			
Total Renewable Energy Resources	583,093	537,227	579,022
Biomass/Biogas			
Geothermal			
Hydroelectric			
Solar	12,707	10,237	11,771
Wind	570,386	526,990	567,251
Other	16,998,752	12,453,290	7,928,403
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	0	0	0
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	0	0	0
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	10,580,142	7,670,742	5,341,453

EEI Investor Sustainability Report - AEP Ohio

Parent Company: American Electric Power
Operating Company(s): AEP Ohio (Generation Resources)
Business Type(s): Merchant Generator - Purchased Power Only
State(s) of Operation: Ohio
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.533	0.508	0.501
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	10,664,709	7,723,339	5,336,676
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.537	0.511	0.501
Owned Generation + Purchased Power			
Carbon Dioxide (CO2)			
Total Owned + Purchased Generation CO2 Emissions (MT)	10,580,142	7,670,742	5,341,453
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.533	0.508	0.501
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	10,664,709	7,723,339	5,336,676
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.537	0.511	0.501
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	0	42,361	48,738
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)6	0	0	0
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)	1,417	1,550	1,643
Total NOx Emissions Intensity (MT/Net MWh)	0.000071	0.000103	0.000154
Sulfur Dioxide (SO2)			

EEI Investor Sustainability Report - AEP Ohio

Parent Company: American Electric Power
Operating Company(s): AEP Ohio (Generation Resources)
Business Type(s): Merchant Generator - Purchased Power Only
State(s) of Operation: Ohio
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Total SO2 Emissions (MT)	1,308	1,083	1,109
Total SO2 Emissions Intensity (MT/Net MWh)	0.000066	0.000072	0.000104
Mercury (Hg)			
Total Hg Emissions (kg)	0.0	0.0	3.7
Total Hg Emissions Intensity (kg/Net MWh)	0.000000	0.000000	0.000000

EEI Investor Sustainability Report - AEP Texas

Parent Company: American Electric Power
Operating Company(s): AEP Texas
Business Type(s): Wires Only
State(s) of Operations: Texas
Regulatory Environment: Deregulated
Report Date: December 31, 2024

***All metrics reported as zero are due to the absence of generation assets owned by AEP in Texas.**

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	0	0	0
Coal			
Natural Gas			
Nuclear			
Petroleum			
Total Renewable Energy Resources	0	0	0
Biomass/Biogas			
Geothermal			
Hydroelectric			
Solar			
Wind			
Other			
Net Generation for the data year (MWh)	0	0	0
Coal			
Natural Gas			
Nuclear			
Petroleum			
Total Renewable Energy Resources			
Biomass/Biogas			
Geothermal			

EEI Investor Sustainability Report - AEP Texas

Parent Company: American Electric Power
Operating Company(s): AEP Texas
Business Type(s): Wires Only
State(s) of Operations: Texas
Regulatory Environment: Deregulated
Report Date: December 31, 2024

***All metrics reported as zero are due to the absence of generation assets owned by AEP in Texas.**

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Hydroelectric			
Solar			
Wind			
Other			
Owned Net Generation for the data year (MWh)	0	0	0
Coal			
Natural Gas			
Nuclear			
Petroleum			
Total Renewable Energy Resources	0	0	0
Biomass/Biogas			
Geothermal			
Hydroelectric			
Solar			
Wind			
Other			
Purchased Net Generation for the data year (MWh)	0	0	0
Coal			
Natural Gas			
Nuclear			

EEI Investor Sustainability Report - AEP Texas

Parent Company: American Electric Power
Operating Company(s): AEP Texas
Business Type(s): Wires Only
State(s) of Operations: Texas
Regulatory Environment: Deregulated
Report Date: December 31, 2024

***All metrics reported as zero are due to the absence of generation assets owned by AEP in Texas.**

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Petroleum			
Total Renewable Energy Resources			
Biomass/Biogas			
Geothermal			
Hydroelectric			
Solar			
Wind			
Other			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	0	0	0
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	0	0	0
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	0	0	0
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000

EEI Investor Sustainability Report - AEP Texas

Parent Company: American Electric Power
Operating Company(s): AEP Texas
Business Type(s): Wires Only
State(s) of Operations: Texas
Regulatory Environment: Deregulated
Report Date: December 31, 2024

***All metrics reported as zero are due to the absence of generation assets owned by AEP in Texas.**

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	0	0	0
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000
Owned Generation + Purchased Power			
Carbon Dioxide (CO2)			
Total Owned + Purchased Generation CO2 Emissions (MT)	0	0	0
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	0	0	0
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.000	0.000	0.000
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	0	0	0
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	0	0	0
Nitrogen Oxide (NOx)			
Total NOx Emissions (MT)	0	0	0
Total NOx Emissions Intensity (MT/Net MWh)	0.000000	0.000000	0.000000
Sulfur Dioxide (SO2)			
Total SO2 Emissions (MT)	0	0	0

EEI Investor Sustainability Report - AEP Texas

Parent Company: American Electric Power
Operating Company(s): AEP Texas
Business Type(s): Wires Only
State(s) of Operations: Texas
Regulatory Environment: Deregulated
Report Date: December 31, 2024

***All metrics reported as zero are due to the absence of generation assets owned by AEP in Texas.**

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Total SO2 Emissions Intensity (MT/Net MWh)	0.000000	0.000000	0.000000
Mercury (Hg)			
Total Hg Emissions (kg)	0.0	0.0	0.0
Total Hg Emissions Intensity (kg/Net MWh)	0.000000	0.000000	0.000000

EEI Investor Sustainability Report - AEP Energy Supply

Parent Company: American Electric Power
Operating Company(s): AEP Energy Supply
Business Type(s): Merchant Generator
State(s) of Operation: Ohio, Illinois, Pennsylvania, New Jersey, Maryland, Delware, Washington D.C.
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Portfolio			
Owned Nameplate Generation Capacity at end of year (MW)	1,577	246	0
Coal	0	0	0
Natural Gas	24	31	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	1,533	195	0
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	333	195	0
Wind	1,200	0	0
Other	20	20	0
Net Generation for the data year (MWh)	9,909,335	5,073,168	4,871,099
Coal	3,949,718	3,416,166	3,244,132
Natural Gas	73,480	74,373	61,077
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	5,886,137	1,582,629	1,565,890
Biomass/Biogas	0	0	0

EEI Investor Sustainability Report - AEP Energy Supply

Parent Company: American Electric Power
Operating Company(s): AEP Energy Supply
Business Type(s): Merchant Generator
State(s) of Operation: Ohio, Illinois, Pennsylvania, New Jersey, Maryland, Delware, Washington D.C.
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	797,034	359,113	132,257
Wind	5,089,103	1,223,516	1,433,633
Other	0	0	0
Owned Net Generation for the data year (MWh)	7,693,131	433,486	193,334
Coal	2,171,784	0	0
Natural Gas	73,480	74,373	61,077
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	5,447,867	359,113	132,257
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	797,034	359,113	132,257
Wind	4,650,833	0	0
Other	0	0	0
Purchased Net Generation for the data year (MWh)	2,216,204	4,639,682	4,677,765
Coal	1,777,934	3,416,166	3,244,132

EEI Investor Sustainability Report - AEP Energy Supply

Parent Company: American Electric Power
Operating Company(s): AEP Energy Supply
Business Type(s): Merchant Generator
State(s) of Operation: Ohio, Illinois, Pennsylvania, New Jersey, Maryland, Delware, Washington D.C.
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Natural Gas	0	0	0
Nuclear	0	0	0
Petroleum	0	0	0
Total Renewable Energy Resources	438,270	1,223,516	1,433,633
Biomass/Biogas	0	0	0
Geothermal	0	0	0
Hydroelectric	0	0	0
Solar	0	0	0
Wind	438,270	1,223,516	1,433,633
Other	0	0	0
Emissions			
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
Owned Generation			
Carbon Dioxide (CO2)			
Total Owned Generation CO2 Emissions (MT)	2,024,277	28,584	23,711
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.263	0.066	0.123
Carbon Dioxide Equivalent (CO2e)			
Total Owned Generation CO2e Emissions (MT)	2,040,558	28,769	23,869
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.265	0.066	0.123

EEI Investor Sustainability Report - AEP Energy Supply

Parent Company: American Electric Power
Operating Company(s): AEP Energy Supply
Business Type(s): Merchant Generator
State(s) of Operation: Ohio, Illinois, Pennsylvania, New Jersey, Maryland, Delware, Washington D.C.
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Purchased Power			
Carbon Dioxide (CO2)			
Total Purchased Generation CO2 Emissions (MT)	1,685,551	3,282,875	2,865,294
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.761	0.708	0.613
Carbon Dioxide Equivalent (CO2e)			
Total Purchased Generation CO2e Emissions (MT)	1,711,705	3,304,082	2,884,377
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.772	0.712	0.617
Owned Generation + Purchased Power			
Carbon Dioxide (CO2)			
Total Owned + Purchased Generation CO2 Emissions (MT)	3,709,828	3,311,459	2,889,005
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.374	0.653	0.593
Carbon Dioxide Equivalent (CO2e)			
Total Owned + Purchased Generation CO2e Emissions (MT)	3,752,263	3,332,851	2,908,246
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.379	0.657	0.597
Non-Generation CO2e Emissions			
Fugitive CO2e emissions of sulfur hexafluoride (MT)	23,098	48,712	56,955
Leak Rate of CO2e Emissions of SF6 (MT/Net MWh)	0.00300	0.11237	0.29459
Nitrogen Oxide (NOx)			

EEI Investor Sustainability Report - AEP Energy Supply

Parent Company: American Electric Power
Operating Company(s): AEP Energy Supply
Business Type(s): Merchant Generator
State(s) of Operation: Ohio, Illinois, Pennsylvania, New Jersey, Maryland, Delware, Washington D.C.
Regulatory Environment: Deregulated
Report Date: December 31, 2024

Refer to the 'Definitions' tab for more information on each metric	2022	2023	2024
Total NOx Emissions (MT)	589	0	1
Total NOx Emissions Intensity (MT/Net MWh)	0.000059	0.000000	0.000000
Sulfur Dioxide (SO2)			
Total SO2 Emissions (MT)	1,650	0	0
Total SO2 Emissions Intensity (MT/Net MWh)	0.000167	0.000000	0.000000
Mercury (Hg)			
Total Hg Emissions (kg)	3.40	0.00	0.00
Total Hg Emissions Intensity (kg/Net MWh)	0.000000	0.000000	0.000000

Definitions for the EEI Investor Sustainability Template

Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
	Portfolio				
1	**Owned Nameplate Generation Capacity at end of year (MW)**	**Provide generation capacity data that is consistent with other external reporting by your company**. The alternative default is to use the summation of the nameplate capacity of installed owned generation in the company portfolio, as reported to the U.S. Energy Information Administration (EIA) on **Form 860 Generator Information**. Note that data should be provided in terms of equity ownership for shared facilities. Nameplate capacity is defined as the maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts (MW) and is usually indicated on a nameplate physically attached to the generator.	Megawatt (MW): One million watts of electricity	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/. Form 860 instructions available at: www.eia.gov/survey/form/eia_860/instructions.pdf.
1.1	Coal	Nameplate capacity of generation resources that produce electricity through the combustion of coal (a readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time).	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
1.2	Natural Gas	Nameplate capacity of generation resources that produce electricity through the combustion of natural gas (a gaseous mixture of hydrocarbon compounds, the primary one being methane).	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
1.3	Nuclear	Nameplate capacity of generation resources that produce electricity through the use of thermal energy released from the fission of nuclear fuel in a reactor.	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
1.4	Petroleum	Nameplate capacity of generation resources that produce electricity through the combustion of petroleum (a broadly defined class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids).	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
1.5	Total Renewable Energy Resources	Energy resources that are naturally replenishing but flow-limited. They are virtually inexhaustible in duration but limited in the amount of energy that is available per unit of time. Renewable energy resources include biomass, hydro, geothermal, solar, wind, ocean thermal, wave action, and tidal action.	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
1.5.1	Biomass/Biogas	Nameplate capacity of generation resources that produce electricity through the combustion of biomass (an organic nonfossil material of biological origin constituting a renewable energy source).	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
1.5.2	Geothermal	Nameplate capacity of generation resources that produce electricity through the use of thermal energy released from hot water or steam extracted from geothermal reservoirs in the earth's crust.	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.

Definitions for the EEI Investor Sustainability Template

Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
1.5.3	Hydroelectric	Nameplate capacity of generation resources that produce electricity through the use of flowing water.	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
1.5.4	Solar	Nameplate capacity of generation resources that produce electricity through the use of the radiant energy of the sun, which can be converted into other forms of energy, such as heat or electricity.	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
1.5.5	Wind	Nameplate capacity of generation resources that produce electricity through the use of kinetic energy present in wind motion that can be converted to mechanical energy for driving pumps, mills, and electric power generators.	MW	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
1.6	Other	Nameplate capacity of generation resources that are not defined above.	MW	End of Year	
2	**Net Generation for the data year (MWh)**	Net generation is defined as the summation of the amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. Data can be provided in terms of total, owned, and/or purchased, depending on how the company prefers to disseminate data in this template. **Provide net generation data that is consistent with other external reporting by your company**. The alternative default is to provide owned generation data as reported to EIA on **Form 923 Schedule 3** and align purchased power data with the Federal Energy Regulatory Commission (FERC) **Form 1 Purchased Power Schedule**, Reference Pages numbers 326-327. Note: Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.	Megawatthour (MWh): One thousand kilowatt-hours or one million watt-hours.	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/. Form 923 instructions available at: www.eia.gov/survey/form/eia_923/instructions.pdf.
2.1	Coal	Net electricity generated by the combustion of coal (a readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time).	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
2.2	Natural Gas	Net electricity generated by the combustion of natural gas (a gaseous mixture of hydrocarbon compounds, the primary one being methane).	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
2.3	Nuclear	Net electricity generated by the use of the thermal energy released from the fission of nuclear fuel in a reactor.	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
2.4	Petroleum	Net electricity generated by the combustion of petroleum (a broadly defined class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids).	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
2.5	Total Renewable Energy Resources	Energy resources that are naturally replenishing but flow-limited. They are virtually inexhaustible in duration but limited in the amount of energy that is available per unit of time. Renewable energy resources include biomass, hydro, geothermal, solar, wind, ocean thermal, wave action, and tidal action.	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.

Definitions for the EEI Investor Sustainability Template

Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
2.5.1	Biomass/Biogas	Net electricity generated by the combustion of biomass (an organic nonfossil material of biological origin constituting a renewable energy source).	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
2.5.2	Geothermal	Net electricity generated by the use of thermal energy released from hot water or steam extracted from geothermal reservoirs in the earth's crust.	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
2.5.3	Hydroelectric	Net electricity generated by the use of flowing water.	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
2.5.4	Solar	Net electricity generated by the use of the radiant energy of the sun, which can be converted into other forms of energy, such as heat or electricity.	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
2.5.5	Wind	Net electricity generated by the use of kinetic energy present in wind motion that can be converted to mechanical energy for driving pumps, mills, and electric power generators.	MWh	Annual	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
2.6	Other	Net electricity generated by other resources that are not defined above. If applicable, this metric should also include market purchases where the generation resource is unknown.	MWh	Annual	
3	**Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters**				
3.1	Total Annual Capital Expenditures	Align annual capital expenditures with data reported in recent investor presentations. A capital expenditure is the use of funds or assumption of a liability in order to obtain physical assets that are to be used for productive purposes for at least one year. This type of expenditure is made in order to expand the productive or competitive posture of a business.	Nominal Dollars	Annual	Accounting Tools, *Q&A,* http://www.accountingtools.com/questions-and-answers/what-is-a-capital-expenditure.html
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	Incremental Annual Electricity Savings for the reporting year as reported to EIA on **Form 861**. Incremental Annual Savings for the reporting year are those changes in energy use caused in the current reporting year by: (1) new participants in DSM programs that operated in the previous reporting year, and (2) participants in new DSM programs that operated for the first time in the current reporting year. A "New program" is a program for which the reporting year is the first year the program achieved savings, regardless of when program development and expenditures began.	MWh	End of Year	U.S. Energy Information Administration, *Form EIA-861 Annual Electric Power Industry Report Instructions.* Available at: www.eia.gov/survey/form/eia_861/instructions.pdf.
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	Total annual investment in electric energy efficiency programs as reported to EIA on **Form 861**.	Nominal Dollars	End of Year	U.S. Energy Information Administration, *Form EIA-861 Annual Electric Power Industry Report Instructions.* Available at: www.eia.gov/survey/form/eia_861/instructions.pdf.

Definitions for the EEI Investor Sustainability Template

Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
3.4	Percent of Total Electric Customers with Smart Meters (at end of year)	Number of electric smart meters installed at end-use customer locations, divided by number of total electric meters installed at end-use customer locations. Smart meters are defined as electricity meters that measure and record usage data at a minimum, in hourly intervals, and provide usage data to both consumers and energy companies at least once daily. Align reporting with EIA **Form 861** meter data, which lists all types of meter technology used in the system as well as total meters in the system.	Percent	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
4	**Retail Electric Customer Count (at end of year)**	Electric customer counts should be aligned with the data provided to EIA on **Form 861 - Sales to Utility Customers**.			U.S. Energy Information Administration, *Form EIA-861 Annual Electric Power Industry Report Instructions.* Available at: www.eia.gov/survey/form/eia_861/instructions.pdf.
4.1	Commercial	An energy-consuming sector that consists of service-providing facilities and equipment of businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. It also includes sewage treatment facilities. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a wide variety of other equipment. Note: This sector includes generators that produce electricity and/or useful thermal output primarily to support the activities of the above-mentioned commercial establishments.	Number of end-use retail customers receiving electricity (individual homes and businesses count as one).	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
4.2	Industrial	An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity manufacturing (NAICS codes 31-33); agriculture, forestry, fishing and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); and construction (NAICS code 23). Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products. Note: This sector includes generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities. Various EIA programs differ in sectoral coverage.	Number of end-use retail customers receiving electricity (individual homes and businesses count as one).	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.
4.3	Residential	An energy-consuming sector that consists of living quarters for private households. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances. The residential sector excludes institutional living quarters. Note: Various EIA programs differ in sectoral coverage.	Number of end-use retail customers receiving electricity (individual homes and businesses count as one).	End of Year	U.S. Energy Information Administration, *Online Glossary,* https://www.eia.gov/tools/glossary/.

Definitions for the EEI Investor Sustainability Template

Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
	Emissions				
5	**GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)**				
5.1	**Owned Generation**				
5.1.1	**Carbon Dioxide (CO2)**				
5.1.1.1	Total Owned Generation CO2 Emissions	Total direct CO2 emissions from company equity-owned fossil fuel combustion generation in accordance with EPA's **GHG Reporting Program** (40 CFR, part 98, Subpart C – General Stationary Fuel Combustion and Subpart D – Electricity Production), using a continuous emission monitoring system (CEMS) or other approved methodology.	Metric Tons	Annual	U.S. Environmental Protection Agency, *Greenhouse Gas Reporting Program* (40 CFR, part 98, Subparts C and D).
5.1.1.2	Total Owned Generation CO2 Emissions Intensity	Total direct CO2 emissions from 5.1.1.1, divided by total MWh of owned net generation reported in the Utility Portfolio section.	Metric Tons/Net MWh	Annual	
5.1.2	**Carbon Dioxide Equivalent (CO2e)**				
5.1.2.1	Total Owned Generation CO2e Emissions	Total direct CO2e emissions (CO2, CH4, and N2O) from company equity-owned fossil fuel combustion generation in accordance with EPA's **GHG Reporting Program** (40 CFR, part 98, Subpart C – General Stationary Fuel Combustion and Subpart D – Electricity Production), using a continuous emission monitoring system (CEMS) or other approved methodology.	Metric Tons	Annual	U.S. Environmental Protection Agency, *Greenhouse Gas Reporting Program* (40 CFR, part 98, Subparts C and D).
5.1.2.2	Total Owned Generation CO2e Emissions Intensity	Total direct CO2e emissions from 5.1.2.1, divided by total MWh of **owned** net generation reported in the Utility Portfolio section.	Metric Tons/Net MWh	Annual	
5.2	**Purchased Power**				
5.2.1	Carbon Dioxide (CO2)				
5.2.1.1	Total Purchased Generation CO2 Emissions	Purchased power CO2 emissions should be calculated using the most relevant and accurate of the following methods: (1) For direct purchases, such as PPAs, use the direct emissions data as reported to EPA. (2) For market purchases where emissions attributes are unknown, use applicable regional or national emissions rate: - ISO/RTO-level emission factors - Climate Registry emission factors - E-Grid emission factors	Metric Tons	Annual	
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity	Total purchased power CO2 emissions from 5.2.1.1, divided by total MWh of **purchased** net generation reported in the Utility Portfolio section.	Metric Tons/Net MWh	Annual	
5.2.2	Carbon Dioxide Equivalent (CO2e)				

Definitions for the EEI Investor Sustainability Template

Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
5.2.2.1	Total Purchased Generation CO2e Emissions	Purchased power CO2e emissions should be calculated using the most relevant and accurate of the following methods: (1) For direct purchases, such as PPAs, use the direct emissions data as reported to EPA. (2) For market purchases where emissions attributes are unknown, use applicable regional or national emissions rate: - ISO/RTO-level emission factors - Climate Registry emission factors - E-Grid emission factors	Metric Tons	Annual	
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity	Total purchased power CO2e emissions from 5.2.2.1, divided by total MWh of **purchased** net generation reported in the Utility Portfolio section.	Metric Tons/Net MWh	Annual	
5.3	**Owned Generation + Purchased Power**				
5.3.1	Carbon Dioxide (CO2)				
5.3.1.1	Total Owned + Purchased Generation CO2 Emissions	Sum of total CO2 emissions reported under 5.1.1.1 and 5.2.1.1.	Metric Tons	Annual	
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity	Total emissions from 5.3.1.1, divided by total MWh of **owned and purchased** net generation reported in the Utility Portfolio section.	Metric Tons/Net MWh	Annual	
5.3.2	Carbon Dioxide Equivalent (CO2e)				
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions	Sum of total CO2e emissions reported under 5.1.2.1 and 5.2.2.1.	Metric Tons	Annual	
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity	Total emissions from 5.3.2.1, divided by total MWh of **owned and purchased** net generation reported in the Utility Portfolio section.	Metric Tons/Net MWh	Annual	
5.4	**Non-Generation CO2e Emissions**				
5.4.1	Fugitive CO2e emissions of sulfur hexafluoride	Total fugitive CO2e emissions of sulfur hexafluoride in accordance with EPA's **GHG Reporting Program** (40 CFR Part 98, Subpart DD).	Metric Tons	Annual	U.S. Environmental Protection Agency, *Greenhouse Gas Reporting Program* (40 CFR, part 98, Subpart DD).
5.4.2	Fugitive CO2e emissions from natural gas distribution	Total fugitive CO2e emissions from natural gas distribution in accordance with EPA's **GHG Reporting Program** (40 CFR Part 98, Subpart W)	Metric Tons	Annual	U.S. Environmental Protection Agency, *Greenhouse Gas Reporting Program* (40 CFR, part 98, Subpart W).
6	**Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)**				
6.1	Generation basis for calculation	Indicate the generation basis for calculating SO2, NOx, and Hg emissions and intensity. Fossil: Fossil Fuel Generation Only Total: Total System Generation Other: Other (please specify in comment section)			
6.2	**Nitrogen Oxide (NOx)**				

Definitions for the EEI Investor Sustainability Template

Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
6.2.1	Total NOx Emissions	Total NOx emissions from company equity-owned fossil fuel combustion generation. In accordance with EPA's **Acid Rain Reporting Program** (40 CFR, part 75) or regulatory equivalent.	Metric Tons	Annual	U.S. Environmental Protection Agency, *Acid Rain Reporting Program* (40 CFR, part 75).
6.2.2	Total NOx Emissions Intensity	Total from above, divided by the MWh of generation basis as indicated in 6.1.	Metric Tons/Net MWh	Annual	
6.3	**Sulfur Dioxide (SO2)**				
6.3.1	Total SO2 Emissions	Total SO2 emissions from company equity-owned fossil fuel combustion generation. In accordance with EPA's **Acid Rain Reporting Program** (40 CFR, part 75) or regulatory equivalent.	Metric Tons	Annual	U.S. Environmental Protection Agency, *Acid Rain Reporting Program* (40 CFR, part 75).
6.3.2	Total SO2 Emissions Intensity	Total from above, divided by the MWh of generation basis as indicated in 6.1.	Metric Tons/Net MWh	Annual	
6.4	**Mercury (Hg)**				
6.4.1	Total Hg Emissions	Total Mercury emissions from company equity-owned fossil fuel combustion generation. Preferred methods of measurement are performance-based, direct measurement as outlined in the EPA Mercury and Air Toxics Standard (**MATS**). In the absence of performance-based measures, report value aligned with Toxics Release Inventory (**TRI**) or regulatory equivalent for international operations.	Kilograms	Annual	EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
6.4.2	Total Hg Emissions Intensity	Total from above, divided by the MWh of generation basis as indicated in 6.1.	Kilograms/Net MWh	Annual	
	Resources				
7	**Human Resources**				
7.1	Total Number of Employees	Average number of employees over the year. To calculate the annual average number of employees: (1) Calculate the total number of employees your establishment paid for all periods. Add the number of employees your establishment paid in every pay period during the data year. Count all employees that you paid at any time during the year and include full-time, part-time, temporary, seasonal, salaried, and hourly workers. Note that pay periods could be monthly, weekly, bi-weekly, and so on. (2) Divide the total number of employees (from step 1) by the number of pay periods your establishment had in during the data year. Be sure to count any pay periods when you had no (zero) employees. (3) Round the answer you computed in step 2 to the next highest whole number.	Number of Employees	Annual	U.S. Department of Labor, Bureau of Labor Statistics, Steps to estimate annual average number of employees, www.bls.gov/respondents/iif/annualavghours.htm. EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
7.2	Total Number of Board of Directors/Trustees	Average number of employees on the Board of Directors/Trustees over the year.	Number of Employees	Annual	

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Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
7.3	Total Women on Board of Directors/Trustees	Total number of women (defined as employees who identify as female) on Board of Directors/Trustees.	Number of Employees	Annual	U.S. Equal Employment Opportunity Commission, EEO Terminology, www.archives.gov/eeo/terminology.html. EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
7.4	Total Minorities on Board of Directors/Trustees	Total number of minorities on Board of Directors/Trustees. Minority employees are defined as "the smaller part of a group. A group within a country or state that differs in race, religion or national origin from the dominant group. Minority is used to mean four particular groups who share a race, color or national origin." These groups are: "(1) American Indian or Alaskan Native. A person having origins in any of the original peoples of North America, and who maintain their culture through a tribe or community; (2) Asian or Pacific Islander. A person having origins in any of the original people of the Far East, Southeast Asia, India, or the Pacific Islands. These areas include, for example, China, India, Korea, the Philippine Islands, and Samoa; (3) Black (except Hispanic). A person having origins in any of the black racial groups of Africa; (4) Hispanic. A person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race."	Number of Employees	Annual	U.S. Equal Employment Opportunity Commission, EEO Terminology, www.archives.gov/eeo/terminology.html. EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
7.5	Employee Safety Metrics				
7.5.1	Recordable Incident Rate	Number of injuries or illnesses x 200,000 / Number of employee labor hours worked. Injury or illness is recordable if it results in any of the following: death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, or loss of consciousness. You must also consider a case to meet the general recording criteria if it involves a significant injury or illness diagnosed by a physician or other licensed health care professional, even if it does not result in death, days away from work, restricted work or job transfer, medical treatment beyond first aid, or loss of consciousness. Record the injuries and illnesses of all employees on your payroll, whether they are labor, executive, hourly, salary, part-time, seasonal, or migrant workers. You also must record the recordable injuries and illnesses that occur to employees who are not on your payroll if you supervise these employees on a day-to-day basis. If your business is organized as a sole proprietorship or partnership, the owner or partners are not considered employees for recordkeeping purposes. For temporary employees, you must record these injuries and illnesses if you supervise these employees on a day-to-day basis. If the contractor's employee is under the day-to-day supervision of the contractor, the contractor is responsible for recording the injury or illness. If you supervise the contractor employee's work on a day-to-day basis, you must record the injury or illness.	Percent	Annual	U.S. Department of Labor, Occupational Health and Safety Administration, OSHA Recordable Incidents. EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.

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Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
7.5.2	Lost-time Case Rate	Calculated as: Number of lost-time cases x 200,000 / Number of employee labor hours worked. Only report for employees of the company as defined for the "recordable incident rate for employees" metric. A lost-time incident is one that resulted in an employee's inability to work the next full work day.	Percent	Annual	U.S. Department of Labor, Occupational Health and Safety Administration, OSHA Recordable Incidents. EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
7.5.3	Days Away, Restricted, and Transfer (DART) Rate	Calculated as: Total number of DART incidents x 200,000 / Number of employee labor hours worked. A DART incident is one in which there were one or more lost days or one or more restricted days, or one that resulted in an employee transferring to a different job within the company.	Percent	Annual	U.S. Department of Labor, Occupational Health and Safety Administration, OSHA Recordable Incidents. EPRI, *Metrics to Benchmark Sustainability Performance for the Electric Power Industry* , 2018 Technical Report.
7.5.4	Work-related Fatalities	Total employee fatalities. Record for all employees on your payroll, whether they are labor, executive, hourly, salary, part-time, seasonal, or migrant workers. Include fatalities to those that occur to employees who are not on your payroll if you supervise these employees on a day-to-day basis. For temporary employees, report fatalities if you supervise these employees on a day-to-day basis.	Number of Employees	Annual	U.S. Department of Labor, Occupational Health and Safety Administration, OSHA Recordable Incidents. EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
8	**Fresh Water Resources**				
8.1	Water Withdrawals - Consumptive (Millions of Gallons)	Amount of freshwater consumed for use in thermal generation. "Freshwater" includes water sourced from fresh surface water, groundwater, rain water, and fresh municipal water. Do NOT include recycled, reclaimed, or gray water. Water consumption is defined as water that is not returned to the original water source after being withdrawn, including evaporation to the atmosphere.	Millions of Gallons	Annual	Partially sourced from EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
8.2	Water Withdrawals - Non-Consumptive (Millions of Gallons)	Amount of fresh water withdrawn, but not consumed, for use in thermal generation."Freshwater" includes water sourced from fresh surface water, groundwater, rain water, and fresh municipal water. Do NOT include recycled, reclaimed, or gray water. Information on organizational water withdrawal may be drawn from water meters, water bills, calculations derived from other available water data or (if neither water meters nor bills or reference data exist) the organization's own estimates.	Millions of Gallons	Annual	Partially sourced from EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
8.3	Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh)	Rate of freshwater consumed for use in thermal generation. "Freshwater" includes water sourced from fresh surface water, groundwater, rain water, and fresh municipal water. Do NOT include recycled, reclaimed, or gray water. Water consumption is defined as water that is not returned to the original water source after being withdrawn, including evaporation to the atmosphere. Divide millions of gallons by equity-owned total net generation from all equity-owned net electric generation as reported under Metric 2, Net Generation for the data year (MWh).	Millions of Gallons/Net MWh	Annual	Partially sourced from EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.

Definitions for the EEI Investor Sustainability Template

Ref. No.	Metric Name	Definition	Units Reported in	Time Period	Reference to Source
8.4	Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh)	Rate of fresh water withdrawn, but not consumed, for use in thermal generation."Freshwater" includes water sourced from fresh surface water, groundwater, rain water, and fresh municipal water. Do NOT include recycled, reclaimed, or gray water. Information on organizational water withdrawal may be drawn from water meters, water bills, calculations derived from other available water data or (if neither water meters nor bills or reference data exist) the organization's own estimates. Divide millions of gallons by equity-owned total net generation from all equity-owned net electric generation as reported under Metric 2, Net Generation for the data year (MWh).	Millions of Gallons/Net MWh	Annual	Partially sourced from EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
9	**Waste Products**				
9.1	Amount of Hazardous Waste Manifested for Disposal	Tons of hazardous waste, as defined by the Resource Conservation and Recovery Act (RCRA), manifested for disposal at a Treatment Storage and Disposal (TSD) facility. Methods of disposal include disposing to landfill, surface impoundment, waste pile, and land treatment units. Hazardous wastes include either listed wastes (F, K, P and U lists) or characteristic wastes (wastes which exhibit at least one of the following characteristics - ignitability, corrosivity, reactivity, toxicity).	Metric Tons	Annual	Partially sourced from EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.
9.2	Percent of Coal Combustion Products Beneficially Used	Percent of coal combustion products (CCPs) - fly ash, bottom ash, boiler slag, flue gas desulfurization materials, scrubber bi-product - diverted from disposal into beneficial uses, including being sold. Include any CCP that is generated during the data year and stored for beneficial use in a future year. Only include CCP generated at company equity-owned facilities. If no weight data are available, estimate the weight using available information on waste density and volume collected, mass balances, or similar information.	Percent	Annual	Partially sourced from EPRI, *Metrics to Benchmark Electric Power Company Sustainability Performance,* 2018 Technical Report.