










MidAmerican Energy Company
Iowa AEP Annual Fuel Reporting Requirements - Per 199 IAC 15.17(5)
For the year January 1 - December 31, 2024

Generation Mix				SO ₂	NO _x	CO ₂
Fuel Type	Energy (GWh)	Percent of Mix	lb/1000 kWh	lb/1000 kWh	lb/1000 kWh	
Coal	7,813.5	19.5%	1.2	1.5	2,261.1	
Nuclear 	2,375.1	5.9%	0.0	0.0	0.0	
Natural Gas	2,196.1	5.5%	0.0	0.1	872.5	
Oil	0.1	0.0%	0.5	21.2	1,694.4	
Renewable Advantage Program ¹						
Wind	0.00	0.0%	0.0	0.0	0.0	
Solar	0.00	0.0%	0.0	0.0	0.0	
Hydropower	0.00	0.0%	0.0	0.0	0.0	
Biomass	0.00	0.0%	Unknown	Unknown	Unknown	
Other	0.00	0.0%	Unknown	Unknown	Unknown	
Alternative Energy						
Wind ² 	25,233.0	63.0%	0.0	0.0	0.0	
Solar 	280.8	0.7%	0.0	0.0	0.0	
Biomass 	46.8	0.1%	Unknown	Unknown	Unknown	
Rate I/O Outflow (RECs) 	28.6	0.1%	0.0	0.0	0.0	
Hydropower	15.5	0.0%	0.0	0.0	0.0	
Other	-	0.0%	Unknown	Unknown	Unknown	
Unknown Purchases	2,497.4					
Null Electricity ³	2,092.1	5.2%	0.2	0.3	515.5	
Total	42,578.9	100.0%				
Retail Sales	27,917.3					
Renewable Generation 	25,589.1	91.7%				
Carbon-free Generation 	27,917.4	100.0%				

Notes: 1 - Includes state fair wind turbine and solar array.
 2 - Total wind energy excludes planned and known REC sales.
 3 - Some renewable energy certificates (RECs) created by MidAmerican’s renewable generation are obligated to a specific customer or sponsorship and are either transferred out of MidAmerican’s tracking account or retired for those customers or sponsorships. The energy associated with those RECs is reported as “Null Electricity” above, and those RECs are not included in the total that MidAmerican verifies as being retired on behalf of all Iowa customers in 2024. Consistent with the requirements for selling RECs and emission-free energy certificates (EFECs), the emission rates for Null Electricity must be disclosed as equal to the system average emission rates.

 Renewable Generation percentage represents total generation from renewable resources in 2024 as a percentage of MidAmerican’s 2024 retail sales.
 Carbon-free Generation percentage represents total generation from Carbon-free resources in 2024 as a percentage of MidAmerican’s 2024 retail sales.

Renewable Generation and Carbon-free Generation percentages are calculated on an annual basis and do not reflect energy provided to customers on an hourly basis, which includes carbon-emitting resources as shown above.

For information verifying the retirements of RECs and EFECs, please visit <https://www.midamericanenergy.com/media/pdf/2024-greenadvantage-verification.pdf>