

Plant sequence number	344
eGRID Plant file sequence number	188
Data Year	2021
Plant state abbreviation	AL
Plant name	James H Miller Jr
DOE/EIA ORIS plant or facility code	6002
Plant transmission or distribution system owner name	Alabama Power Co
Plant transmission or distribution system owner ID	195
Utility name	Alabama Power Co
Utility ID	195
Plant-level sector	Electric Utility
Balancing Authority Name	Southern Company Services, Inc. - Trans
Balancing Authority Code	SOCO
NERC region acronym	SERC
eGRID subregion acronym	SRSO
eGRID subregion name	SERC South
Plant associated ISO/RTO Territory	
Plant FIPS state code	1
Plant FIPS county code	73
Plant county name	Jefferson
latitude	33.6319
longitude	-87.0597
Number of units	4
Number of generators	4
Plant primary fuel	SUB
Plant primary coal/oil/gas/ other fossil fuel category	COAL
Flag indicating if the plant burned or generated any amount of coal	Yes
Plant capacity factor	0.83044
Plant nameplate capacity (MW)	2822
Nonbaseload Factor	0
Biogas/ biomass plant adjustment flag	
Combined heat and power (CHP) plant adjustment flag	
CHP plant useful thermal output (MMBtu)	
CHP plant power to heat ratio	
CHP plant electric allocation factor	
Plant pumped storage flag	
Plant annual heat input from combustion (MMBtu)	218967616.6
Plant ozone season heat input from combustion (MMBtu)	95494759.08
Plant total annual heat input (MMBtu)	218967616.6
Plant total ozone season heat input (MMBtu)	95494759.08
Plant annual net generation (MWh)	20528965
Plant ozone season net generation (MWh)	8915699
Plant annual NOx emissions (tons)	7372.334
Plant ozone season NOx emissions (tons)	3168.413
Plant annual SO2 emissions (tons)	1259.123
Plant annual CO2 emissions (tons)	22965315.15
Plant annual CH4 emissions (lbs)	4912030.73
Plant annual N2O emissions (lbs)	714198.699
Plant annual CO2 equivalent emissions (tons)	23133131.14
Plant annual Hg emissions (lbs)	
Plant annual NOx total output emission rate (lb/MWh)	0.718
Plant ozone season NOx total output emission rate (lb/MWh)	0.711
Plant annual SO2 total output emission rate (lb/MWh)	0.123
Plant annual CO2 total output emission rate (lb/MWh)	2237.357
Plant annual CH4 total output emission rate (lb/MWh)	0.239
Plant annual N2O total output emission rate (lb/MWh)	0.035
Plant annual CO2 equivalent total output emission rate (lb/MWh)	2253.707
Plant annual Hg total output emission rate (lb/MWh)	
Plant annual NOx input emission rate (lb/MMBtu)	0.067
Plant ozone season NOx input emission rate (lb/MMBtu)	0.066
Plant annual SO2 input emission rate (lb/MMBtu)	0.012
Plant annual CO2 input emission rate (lb/MMBtu)	209.76
Plant annual CH4 input emission rate (lb/MMBtu)	0.022
Plant annual N2O input emission rate (lb/MMBtu)	0.003
Plant annual CO2 equivalent input emission rate (lb/MMBtu)	211.293
Plant annual Hg input emission rate (lb/MMBtu)	
Plant annual NOx combustion output emission rate (lb/MWh)	0.718
Plant ozone season NOx combustion output emission rate (lb/MWh)	0.711
Plant annual SO2 combustion output emission rate (lb/MWh)	0.123
Plant annual CO2 combustion output emission rate (lb/MWh)	2237.357
Plant annual CH4 combustion output emission rate (lb/MWh)	0.239
Plant annual N2O combustion output emission rate (lb/MWh)	0.035

Plant annual CO2 equivalent combustion output emission rate (lb/MWh)	2253.707
Plant annual Hg combustion output emission rate (lb/MWh)	
Plant unadjusted annual NOx emissions (tons)	7372.334
Plant unadjusted ozone season NOx emissions (tons)	3168.413
Plant unadjusted annual SO2 emissions (tons)	1259.123
Plant unadjusted annual CO2 emissions (tons)	22965315.15
Plant unadjusted annual CH4 emissions (lbs)	4912030.73
Plant unadjusted annual N2O emissions (lbs)	714198.699
Plant unadjusted annual Hg emissions (lbs)	
Plant unadjusted annual heat input from combustion (MMBtu)	218967616.6
Plant unadjusted ozone season heat input from combustion (MMBtu)	95494759.08
Plant unadjusted total annual heat input (MMBtu)	218967616.6
Plant unadjusted total ozone season heat input (MMBtu)	95494759.08
Plant unadjusted annual NOx emissions source	EPA/CAMD
Plant unadjusted ozone season NOx emissions source	EPA/CAMD
Plant unadjusted annual SO2 emissions source	EPA/CAMD
Plant unadjusted annual CO2 emissions source	EPA/CAMD
Plant unadjusted annual CH4 emissions source	EIA
Plant unadjusted annual N2O emissions source	EIA
Plant unadjusted annual Hg emissions source	--
Plant unadjusted annual heat input source	EPA/CAMD
Plant unadjusted ozone season heat input source	EPA/CAMD
Plant annual NOx biomass emissions (tons)	
Plant ozone season NOx biomass emissions (tons)	
Plant annual SO2 biomass emissions (tons)	
Plant annual CO2 biomass emissions (tons)	
Plant annual CH4 biomass emissions (lbs)	
Plant annual N2O biomass emissions (lbs)	
Plant combustion heat input CHP adjustment value (MMBtu)	
Plant combustion annual ozone season heat input CHP adjustment value (MMBtu)	
Plant annual NOx emissions CHP adjustment value (tons)	
Plant ozone season NOx emissions CHP adjustment value (tons)	
Plant annual SO2 emissions CHP adjustment value (tons)	
Plant annual CO2 emissions CHP adjustment value (tons)	
Plant annual CH4 emissions CHP adjustment value (lbs)	
Plant annual N2O emissions CHP adjustment value (lbs)	
Plant nominal heat rate (Btu/kWh)	10666.27668
Plant annual coal net generation (MWh)	20252052
Plant annual oil net generation (MWh)	0
Plant annual gas net generation (MWh)	276912.62
Plant annual nuclear net generation (MWh)	0
Plant annual hydro net generation (MWh)	0
Plant annual biomass net generation (MWh)	0
Plant annual wind net generation (MWh)	0
Plant annual solar net generation (MWh)	0
Plant annual geothermal net generation (MWh)	0
Plant annual other fossil net generation (MWh)	0
Plant annual other unknown/ purchased fuel net generation (MWh)	0
Plant annual total nonrenewables net generation (MWh)	20528964.62
Plant annual total renewables net generation (MWh)	0
Plant annual total nonhydro renewables net generation (MWh)	0
Plant annual total combustion net generation (MWh)	20528964.62
Plant annual total noncombustion net generation (MWh)	0
Plant coal generation percent (resource mix)	0.986511126
Plant oil generation percent (resource mix)	0
Plant gas generation percent (resource mix)	0.013488874
Plant nuclear generation percent (resource mix)	0
Plant hydro generation percent (resource mix)	0
Plant biomass generation percent (resource mix)	0
Plant wind generation percent (resource mix)	0
Plant solar generation percent (resource mix)	0
Plant geothermal generation percent (resource mix)	0
Plant other fossil generation percent (resource mix)	0
Plant other unknown / purchased fuel generation percent (resource mix)	0
Plant total nonrenewables generation percent (resource mix)	1
Plant total renewables generation percent (resource mix)	0
Plant total nonhydro renewables generation percent (resource mix)	0
Plant total combustion generation percent (resource mix)	1
Plant total noncombustion generation percent (resource mix)	0
CAMD Flag	Yes
CAMD Units	
2020 Plant total Heat Input (mmBtu) from CAMD	227067665.8

2020 Plant total CO2 mass (tons) from CAMD
2020 Plant total NOx mass (tons) from CAMD
2020 Plant total SO2 mass (tons) from CAMD
2020 Plant total Mercury mass (tons) from CAMD

23814854.18
7538.103
1191.666

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1655

Google Maps
total population (ACS2018)
Total Population for whom Poverty Status is Determined
Total Households
Total Population Age 25 up
Houses Built Pre 1960
Buffer distance
State Abbreviation
State Name
EPA region number
State percentile for EJ Index for Particulate Matter (PM 2.5)
Regional percentile for EJ Index for Particulate Matter (PM 2.5)
National percentile for EJ Index for Particulate Matter (PM 2.5)
State percentile for EJ Index for Ozone
Regional percentile for EJ Index for Ozone
National percentile for EJ Index for Ozone
State percentile for EJ Index for NATA Diesel PM
Regional percentile for EJ Index for NATA Diesel PM
National percentile for EJ Index for NATA Diesel PM
State percentile for EJ Index for NATA Air Toxics Cancer Risk
Regional percentile for EJ Index for NATA Air Toxics Cancer Risk
National percentile for EJ Index for NATA Air Toxics Cancer Risk
State percentile for EJ Index for NATA Respiratory Hazard Index
Regional percentile for EJ Index for NATA Respiratory Hazard Index
National percentile for EJ Index for NATA Respiratory Hazard Index
State percentile for EJ Index for Traffic Proximity and Volume
Regional percentile for EJ Index for Traffic Proximity and Volume
National percentile for EJ Index for Traffic Proximity and Volume
State percentile for EJ Index for Lead Paint Indicator
Regional percentile for EJ Index for Lead Paint Indicator
National percentile for EJ Index for Lead Paint Indicator
State percentile for EJ Index for Superfund Proximity
Regional percentile for EJ Index for Superfund Proximity
National percentile for EJ Index for Superfund Proximity
State percentile for EJ Index for RMP Proximity
Regional percentile for EJ Index for RMP Proximity
National percentile for EJ Index for RMP Proximity
State percentile for EJ Index for Hazardous Waste Proximity
Regional percentile for EJ Index for Hazardous Waste Proximity
National percentile for EJ Index for Hazardous Waste Proximity
State percentile for EJ Index for Wastewater Discharge Indicator
Regional percentile for EJ Index for Wastewater Discharge Indicator
National percentile for EJ Index for Wastewater Discharge Indicator
Raw data for Particulate Matter (PM 2.5 in ug/m3)
State percentile for Particulate Matter (PM 2.5 in ug/m3)
Regional percentile for Particulate Matter (PM 2.5 in ug/m3)
National percentile for Particulate Matter (PM 2.5 in ug/m3)
State average for Particulate Matter (PM 2.5 in ug/m3)
Regional average for Particulate Matter (PM 2.5 in ug/m3)
National average for Particulate Matter (PM 2.5 in ug/m3)
Raw data for Ozone (ppb)
State percentile for Ozone (ppb)
Regional percentile for Ozone (ppb)
National percentile for Ozone (ppb)
State average for Ozone (ppb)
Regional average for Ozone (ppb)
National average for Ozone (ppb)
Raw data for NATA Diesel PM (ug/m3)
State percentile for NATA Diesel PM (ug/m3)
Regional percentile for NATA Diesel PM (ug/m3)
National percentile for NATA Diesel PM (ug/m3)
State average for NATA Diesel PM (ug/m3)
Regional average for NATA Diesel PM (ug/m3)
National average for NATA Diesel PM (ug/m3)
Raw data for NATA Air Toxics Cancer Risk (risk per MM)
State percentile for NATA Air Toxics Cancer Risk (risk per MM)

Regional percentile for NATA Air Toxics Cancer Risk (risk per MM)	
National percentile for NATA Air Toxics Cancer Risk (risk per MM)	
State average for NATA Air Toxics Cancer Risk (risk per MM)	
Regional average for NATA Air Toxics Cancer Risk (risk per MM)	
National average for NATA Air Toxics Cancer Risk (risk per MM)	
Raw data for NATA Respiratory Hazard Index	
State percentile for NATA Respiratory Hazard Index	
Regional percentile for NATA Respiratory Hazard Index	
National percentile for NATA Respiratory Hazard Index	
State average for NATA Respiratory Hazard Index	
Regional average for NATA Respiratory Hazard Index	
National average for NATA Respiratory Hazard Index	
Raw data for Traffic Proximity and Volume (daily traffic count/distance to road)	
State percentile for Traffic Proximity and Volume (daily traffic count/distance to road)	
Regional percentile for Traffic Proximity and Volume (daily traffic count/distance to road)	
National percentile for Traffic Proximity and Volume (daily traffic count/distance to road)	
State average for Traffic Proximity and Volume (daily traffic count/distance to road)	
Regional average for Traffic Proximity and Volume (daily traffic count/distance to road)	
National average for Traffic Proximity and Volume (daily traffic count/distance to road)	
Raw data for Lead Paint Indicator (% pre-1960s housing)	
State percentile for Lead Paint Indicator (% pre-1960s housing)	
Regional percentile for Lead Paint Indicator (% pre-1960s housing)	
National percentile for Lead Paint Indicator (% pre-1960s housing)	
State average for Lead Paint Indicator (% pre-1960s housing)	
Regional average for Lead Paint Indicator (% pre-1960s housing)	
National average for Lead Paint Indicator (% pre-1960s housing)	
Raw data for Superfund Proximity (site count/km distance)	
State percentile for Superfund Proximity (site count/km distance)	
Regional percentile for Superfund Proximity (site count/km distance)	
National percentile for Superfund Proximity (site count/km distance)	
State average for Superfund Proximity (site count/km distance)	
Regional average for Superfund Proximity (site count/km distance)	
National average for Superfund Proximity (site count/km distance)	
Raw data for RMP Proximity (facility count/km distance)	
State percentile for RMP Proximity (facility count/km distance)	
Regional percentile for RMP Proximity (facility count/km distance)	
National percentile for RMP Proximity (facility count/km distance)	
State average for RMP Proximity (facility count/km distance)	
Regional average for RMP Proximity (facility count/km distance)	
National average for RMP Proximity (facility count/km distance)	
Raw data for Hazardous Waste Proximity (facility count/km distance)	
State percentile for Hazardous Waste Proximity (facility count/km distance)	
Regional percentile for Hazardous Waste Proximity (facility count/km distance)	
National percentile for Hazardous Waste Proximity (facility count/km distance)	
State average for Hazardous Waste Proximity (facility count/km distance)	
Regional average for Hazardous Waste Proximity (facility count/km distance)	
National average for Hazardous Waste Proximity (facility count/km distance)	
Raw data for Wastewater Discharge Indicators (toxicity-weighted concentration/m distance)	
State percentile for Wastewater Discharge Indicators (toxicity-weighted concentration/m distance)	
Regional percentile for Wastewater Discharge Indicators (toxicity-weighted concentration/m distance)	
National percentile for Wastewater Discharge Indicators (toxicity-weighted concentration/m distance)	
State average for Wastewater Discharge Indicators (toxicity-weighted concentration/m distance)	
Regional average for Wastewater Discharge Indicators (toxicity-weighted concentration/m distance)	
National average for Wastewater Discharge Indicators (toxicity-weighted concentration/m distance)	
Raw data for Demographic Index	0.16
State percentile for Demographic Index	
Regional percentile for Demographic Index	
National percentile for Demographic Index	24
State average for Demographic Index	
Regional average for Demographic Index	
National average for Demographic Index	0.35
Raw data for People of Color Population	0.04
State percentile for People of Color Population	
Regional percentile for People of Color Population	
National percentile for People of Color Population	11
State average for People of Color Population	
Regional average for People of Color Population	
National average for People of Color Population	0.4
Raw data for Low Income Population	0.29
State percentile for Low Income Population	
Regional percentile for Low Income Population	
National percentile for Low Income Population	52

State average for Low Income Population	
Regional average for Low Income Population	
National average for Low Income Population	0.3
Raw data for Linguistically Isolated Population	0
State percentile for Linguistically Isolated Population	
Regional percentile for Linguistically Isolated Population	
National percentile for Linguistically Isolated Population	0
State average for Linguistically Isolated Population	
Regional average for Linguistically Isolated Population	
National average for Linguistically Isolated Population	0.05
Raw data for Population with Less Than High School Education	0.13
State percentile for Population with Less Than High School Education	
Regional percentile for Population with Less Than High School Education	
National percentile for Population with Less Than High School Education	67
State average for Population with Less Than High School Education	
Regional average for Population with Less Than High School Education	
National average for Population with Less Than High School Education	0.12
Raw data for Population under Age 5	0.05
State percentile for Population under Age 5	
Regional percentile for Population under Age 5	
National percentile for Population under Age 5	53
State average for Population under Age 5	
Regional average for Population under Age 5	
National average for Population under Age 5	0.06
Raw data for Population over Age 64	0.31
State percentile for Population over Age 64	
Regional percentile for Population over Age 64	
National percentile for Population over Age 64	90
State average for Population over Age 64	
Regional average for Population over Age 64	
National average for Population over Age 64	0.16
PM 2.5 Emissions (tons)	127.4639
PM 2.5 Emission Rate (lb/MWh)	0.015502027
Mapped Fuel Type	Coal
Additional Number Data First	FRS_110043792651
Additional Number Data Second	
Additional Number Data Third	
Additional Text Data First	
Additional Text Data Second	
Additional Text Data Third	
ObjectId	
Low Income Load Bin	
People of Color Load Bin	
Less Than High School Education Load Bin	
Linguistically Isolated Load Bin	
Population Less Than Five Load Bin	
Population Over 64 Load Bin	