

Facility Name:Labadie
Facility Identifier:
Facility Reporting Year:2024
Facility Location:
Address: 226 LABADIE POWER PLANT ROAD
City: LABADIE
State: MO
Postal Code: 63055

Facility Site Details:
CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons):14,055,616.3
CO2 equivalent emissions from supplier subparts LL-QQ (metric tons):
Biogenic CO2 emissions from facility subparts C-II, SS, and TT (metric tons):0
Cogeneration Unit Emissions Indicator:N
GHG Report Start Date:2024-01-01
GHG Report End Date:2024-12-31
Description of Changes to Calculation Methodology:
Plant Code Indicator:Y
Primary NAICS Code:221112
Second Primary NAICS Code:

Parent Company Details:
Parent Company Name:AMEREN CORP
Address:1901 Chouteau Avenue, St. Louis, MO 63101
Percent Ownership Interest:100

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Carbon Dioxide
Gas Quantity	13,948,306.5 (Metric Tons)
Own Result?	

Gas Name	Biogenic Carbon dioxide
Gas Quantity	0 (Metric Tons)
Own Result?	

Gas Name	Methane
Gas Quantity	1,612.58 (Metric Tons)
Own Result?	

Gas Name	Nitrous Oxide
Gas Quantity	234.557 (Metric Tons)
Own Result?	

Unit Details:

Unit Name : 2
Unit Type : Electricity Generator
Unit Description :
Plant Code : 2103 (numeric, maximum of 6 digits)
Part 75 Methodology : CEMS
Methodology Start Date: 1993-11-15
Methodology End Date: 2024-12-31
Acid Rain Program Indicator: Y

Emission Details:
Annual CO2 Emissions Including Biomass (metric tons): 3629355.3
Annual CO2 Emissions Including Biomass (short tons): 4000638.3
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:
Operating Hours CO2 Concentration Substituted: 10
Operating Hours Stack Gas Flow Rate Substituted: 4
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Subbituminous
Annual heat input: 38144906 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 11748.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 16173.4 (Metric Tons)

Unit Name : 1
Unit Type : Electricity Generator
Unit Description :
Plant Code : 2103 (numeric, maximum of 6 digits)
Part 75 Methodology : CEMS
Methodology Start Date: 1993-11-15
Methodology End Date: 2024-12-31
Acid Rain Program Indicator: Y

Emission Details:
Annual CO2 Emissions Including Biomass (metric tons): 4005742.2
Annual CO2 Emissions Including Biomass (short tons): 4415529.6
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:
Operating Hours CO2 Concentration Substituted: 4
Operating Hours Stack Gas Flow Rate Substituted: 2
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Subbituminous
Annual heat input: 42100808 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 12967.0 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 17850.7 (Metric Tons)

Unit Name : 3
Unit Type : Electricity Generator
Unit Description :
Plant Code : 2103 (numeric, maximum of 6 digits)
Part 75 Methodology : CEMS
Methodology Start Date: 1993-11-15
Methodology End Date: 2024-12-31
Acid Rain Program Indicator: Y

Emission Details:
Annual CO2 Emissions Including Biomass (metric tons): 2811753.8
Annual CO2 Emissions Including Biomass (short tons): 3099396.2
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:
Operating Hours CO2 Concentration Substituted: 316
Operating Hours Stack Gas Flow Rate Substituted: 69
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Subbituminous
Annual heat input: 29551801 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 9102.0 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 12530.0 (Metric Tons)

Unit Name : 4
Unit Type : Electricity Generator
Unit Description :
Plant Code : 2103 (numeric, maximum of 6 digits)
Part 75 Methodology : CEMS
Methodology Start Date: 1993-11-15
Methodology End Date: 2024-12-31
Acid Rain Program Indicator: Y

Emission Details:
Annual CO2 Emissions Including Biomass (metric tons): 3501455.2
Annual CO2 Emissions Including Biomass (short tons): 3859654.1
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:
Operating Hours CO2 Concentration Substituted: 353
Operating Hours Stack Gas Flow Rate Substituted: 6
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Subbituminous
Annual heat input: 36800637 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 11334.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 15603.5 (Metric Tons)