

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

The Dayton Power and Light Company's	)	Case No. 16-0751-EL-ECP
Notice of Filing Greenhouse Gas Report	)	
	)	

NOTICE OF FILING

The Commission's December 12, 2012 Entry in Case No. 12-3026-EL-WVR granted The Dayton Power and Light Company ("DP&L") a waiver of the requirement of O.A.C. 4901:1-41-03 that DP&L become a participating member in the climate registry and report greenhouse gas (GHG) emissions according to the Commission's GHG Rule in light of the mandatory federal GHG reporting requirements. The Entry directed DP&L to docket its federal GHG report with the Commission. Accordingly, attached hereto are the emission reports from the federal EPA reporting system for DP&L plants located in Ohio.

Respectfully submitted,

/s/ Michael J. Schuler

Michael J. Schuler (0082390)
Attorney for the Dayton Power and Light
Company
1065 Woodman Drive
Dayton, OH 45432
Telephone: (937) 259-7358
Facsimile: (937) 259-7178
Email: michael.schuler@aes.com
(will accept service via email)

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Killen Station
Facility Identifier: 520253
Facility Reporting Year: 2015
Facility Location:

Address: 14869 US 52
City: MANCHESTER
State: OH
Postal Code: 45144

Facility Site Details:

CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons): 3415422.9
CO2 equivalent emissions from supplier subparts LL-QQ (metric tons): 0
Biogenic CO2 emissions from facility subparts C-II, SS, and TT (metric tons): 0
Cogeneration Unit Emissions Indicator: N
GHG Report Start Date: 2015-01-01
GHG Report End Date: 2015-12-31

Description of Changes to Calculation Methodology:**Part 75 Biogenic Emissions Indication:**

Plant Code Indicator: Y
Primary NAICS Code: 221112
Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: AES CORP
Address: 4300 Wilson Boulevard, Arlington, VA 22203
Percent Ownership Interest: 67
Parent Company Name: DYNEGY INC
Address: 601 Travis Street, Suite 1400, Houston, TX 77002
Percent Ownership Interest: 33

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0.07 (Metric Tons)	
Nitrous Oxide		0.013 (Metric Tons)	
Carbon Dioxide		1689.8 (Metric Tons)	

Unit Details:

Unit Name : GP1

Unit Type : OB (Boiler, other)

Unit Description :

Individual Unit Details:

Use Ivt Indicator: N

Maximum Rated Heat Input Capacity: 96 (mmBtu/hr)

PlantCode: 6031 (numeric, maximum of 6 digits)

Emission Details:Annual CO₂ mass emissions from sorbent: 0 (Metric Tons)Annual Biogenic CO₂ Emissions: 0 (metric tons)**Tier Fuel Details:**

Fuel : Distillate Fuel Oil No. 2

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2015-01-01

Tier Methodology End Date : 2015-12-31

Frequency of HHV determinations : Once per fuel lot

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
Y	Y	N	Y	Y	N	Y	Y	N	Y	Y	Y

Fuel Emission Details :

Total CO ₂ emissions	Total CH ₄ emissions	Total N ₂ O emissions	Total CH ₄ emissions CO ₂ e	Total N ₂ O emissions CO ₂ e
1523.1 (Metric Tons)	0.06 (Metric Tons)	0.012 (Metric Tons)	1.5 (Metric Tons)	3.7 (Metric Tons)

Equation C2a/C9a Inputs :

Fuel Quantity : 154840 (gallons/year)

Use Default High Heat Value : true

High Heat Value : 0.133 (mmBtu/gallon)

Unit Name : B4

Unit Type : SCCT (CT (Turbine, simple cycle combustion))

Unit Description : Black Start Turbine Unit

Individual Unit Details:

Use Ivt Indicator: N

Maximum Rated Heat Input Capacity: 299.4 (mmBtu/hr)

PlantCode: 6031 (numeric, maximum of 6 digits)

Emission Details:

Annual CO₂ mass emissions from sorbent: 0 (Metric Tons)

Annual Biogenic CO₂ Emissions: 0 (metric tons)

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2015-01-01

Tier Methodology End Date : 2015-12-31

Frequency of HHV determinations : Once per fuel lot

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
Y	Y	N	Y	Y	N	Y	Y	N	Y	Y	N

Fuel Emission Details :

Total CO ₂ emissions	Total CH ₄ emissions	Total N ₂ O emissions	Total CH ₄ emissions	Total N ₂ O emissions
166.7 (Metric Tons)	0.01 (Metric Tons)	0.001 (Metric Tons)	0.2 (Metric Tons)	0.4 (Metric Tons)

Equation C2a/C9a Inputs :

Fuel Quantity : 16943 (gallons/year)

Use Default High Heat Value : true

High Heat Value : 0.133 (mmBtu/gallon)

Subpart D: Electricity Generation

Gas Information Details

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

Methane		398.94 (Metric Tons)	
Nitrous Oxide		58.028 (Metric Tons)	
Carbon Dioxide		3386461.6 (Metric Tons)	

Unit Details:

Unit Name : 2
Unit Type : Electricity Generator
Unit Description : Boiler 2
Plant Code : 6031 (numeric, maximum of 6 digits)
Part 75 Methodology : CEMS
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 3386461.6
Annual CO2 Emissions Including Biomass (short tons): 3732896.6
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 56
Operating Hours Stack Gas Flow Rate Substituted: 102
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 36267481 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 9973.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 17292.3 (Metric Tons)

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Montpelier Electric Gen Station
Facility Identifier: 520812
Facility Reporting Year: 2015
Facility Location:
Address: 8495 SOUTH 450 WEST
City: PONETO
State: IN
Postal Code: 46781

Facility Site Details:

CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons): 53747.3
CO2 equivalent emissions from supplier subparts LL-QQ (metric tons): 0
Biogenic CO2 emissions from facility subparts C-II, SS, and TT (metric tons): 0
Cogeneration Unit Emissions Indicator: N
GHG Report Start Date: 2015-01-01
GHG Report End Date: 2015-12-31
Description of Changes to Calculation Methodology:
Part 75 Biogenic Emissions Indication:
Plant Code Indicator: Y
Primary NAICS Code: 221112
Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: THE DAYTON POWER & LIGHT CO
Address: 1065 Woodman Drive, Dayton, OH 45432
Percent Ownership Interest: 100

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		1.01 (Metric Tons)	
Nitrous Oxide		0.101 (Metric Tons)	
Carbon Dioxide		53692 (Metric Tons)	

Unit Details:

Unit Name : G3CT1
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 7412.9
Annual CO2 Emissions Including Biomass (short tons): 8171.2
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type:	Natural Gas (Weighted U.S. Average)
Annual heat input:	138433.5 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	3.5 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	4.1 (Metric Tons)

Unit Name : G2CT1
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 6873.2
Annual CO2 Emissions Including Biomass (short tons): 7576.3
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type:	Natural Gas (Weighted U.S. Average)
Annual heat input:	128415.5 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	3.2 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	3.8 (Metric Tons)

Unit Name : G3CT2
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 6620.2
Annual CO2 Emissions Including Biomass (short tons): 7297.4
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type:	Natural Gas (Weighted U.S. Average)
Annual heat input:	123700.7 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	3.1 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	3.7 (Metric Tons)

Unit Name : G2CT2
Unit Type : Electricity Generator
Unit Description :

Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 6190.7
Annual CO2 Emissions Including Biomass (short tons): 6824
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 115688.2 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 2.9 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 3.4 (Metric Tons)

Unit Name : G1CT2
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 7977.6
Annual CO2 Emissions Including Biomass (short tons): 8793.7
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 149073.7 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 3.7 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 4.4 (Metric Tons)

Unit Name : G4CT1
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 7616
Annual CO2 Emissions Including Biomass (short tons): 8395.1
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 142247.9 (mmBtu)

CH₄ Emissions CO₂ Equivalent:	3.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	4.2 (Metric Tons)

Unit Name : G4CT2
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:
Annual CO2 Emissions Including Biomass (metric tons): 4648.2
Annual CO2 Emissions Including Biomass (short tons): 5123.7
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:
Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 86881.4 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 2.2 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 2.6 (Metric Tons)

Unit Name : G1CT1
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:
Annual CO2 Emissions Including Biomass (metric tons): 6353.2
Annual CO2 Emissions Including Biomass (short tons): 7003.1
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:
Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 118713.7 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 3.0 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 3.5 (Metric Tons)

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Frank M Tait Station

Facility Identifier: 520009

Facility Reporting Year: 2015

Facility Location:

Address: 2102 ARBOR BLVD

City: MORaine

State: OH

Postal Code: 45439

Facility Site Details:

CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons): 32636.2

CO2 equivalent emissions from supplier subparts LL-QQ (metric tons): 0

Biogenic CO2 emissions from facility subparts C-II, SS, and TT (metric tons): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2015-01-01

GHG Report End Date: 2015-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Plant Code Indicator: Y

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: THE DAYTON POWER & LIGHT CO

Address: 2101 Arbor Blvd., Dayton, OH 45439

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0 (Metric Tons)	
Nitrous Oxide		0 (Metric Tons)	
Carbon Dioxide		41.7 (Metric Tons)	

Unit Details:

Unit Name : GP-1

Unit Type : OCS (Other combustion source)

Unit Description : Four diesel generators

Other Unit Name :

Small Unit Aggregation Details:

Use Ivt Indicator: N

Highest Maximum Rated Heat Input Capacity: 30

Emission Details:

Annual CO₂ mass emissions from sorbent: 0 (Metric Tons)

Annual Biogenic CO2 Emissions: 0 (metric tons)

Annual Fossil fuel based CO2 Emissions: 42.3 (metric tons)

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2
Tier Name : Tier 1 (Equation C-1)
Tier Methodology Start Date : 2015-01-01
Tier Methodology End Date : 2015-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
41.7 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0 (Metric Tons)	0.1 (Metric Tons)

Equation C1/C8 Inputs :
Fuel Quantity : 4081 (gallons/year)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0.63 (Metric Tons)	
Nitrous Oxide		0.067 (Metric Tons)	
Carbon Dioxide		32558.8 (Metric Tons)	

Unit Details:

Unit Name : 1
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 6310.8
Annual CO2 Emissions Including Biomass (short tons): 6956.4
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average) Annual heat input: 109203.2 (mmBtu) CH₄ Emissions CO₂ Equivalent: 2.7 (Metric Tons) N₂O Emissions CO₂ Equivalent: 3.3 (Metric Tons)

Fuel type: Distillate Fuel Oil No. 2 Annual heat input: 6372 (mmBtu) CH₄ Emissions CO₂ Equivalent: 0.5 (Metric Tons) N₂O Emissions CO₂ Equivalent: 1.1 (Metric Tons)

Unit Name : 2
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:
Annual CO2 Emissions Including Biomass (metric tons): 5537
Annual CO2 Emissions Including Biomass (short tons): 6103.4
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:	
Fuel type:	Natural Gas (Weighted U.S. Average)
Annual heat input:	94546.6 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	2.4 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	2.8 (Metric Tons)
Fuel type:	Distillate Fuel Oil No. 2
Annual heat input:	6729 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	0.5 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	1.2 (Metric Tons)

Unit Name : 3
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:
Annual CO2 Emissions Including Biomass (metric tons): 20711
Annual CO2 Emissions Including Biomass (short tons): 22829.7
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:	
Fuel type:	Natural Gas (Weighted U.S. Average)
Annual heat input:	384649.4 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	9.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	11.5 (Metric Tons)
Fuel type:	Distillate Fuel Oil No. 2
Annual heat input:	1720 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	0.1 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	0.3 (Metric Tons)

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Tait Electric Generating Station

Facility Identifier: 520827

Facility Reporting Year: 2015

Facility Location:

Address: 2101 ARBOR BOULEVARD

City: DAYTON

State: OH

Postal Code: 45439

Facility Site Details:

CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons): 134744.9

CO2 equivalent emissions from supplier subparts LL-QQ (metric tons): 0

Biogenic CO2 emissions from facility subparts C-II, SS, and TT (metric tons): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2015-01-01

GHG Report End Date: 2015-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Plant Code Indicator: Y

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: THE DAYTON POWER & LIGHT CO

Address: 1065 Woodman Drive, Dayton, OH 45432

Percent Ownership Interest: 100

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		2.52 (Metric Tons)	
Nitrous Oxide		0.252 (Metric Tons)	
Carbon Dioxide		134606.8 (Metric Tons)	

Unit Details:

Unit Name : CT4

Unit Type : Electricity Generator

Unit Description :

Plant Code : (numeric, maximum of 6 digits)

Part 75 Methodology : LME (§75.19(c)(4)(iii))

Methodology Start Date: 2015-01-01

Methodology End Date: 2015-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 32574.5
Annual CO2 Emissions Including Biomass (short tons): 35906.9
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type:	Natural Gas (Weighted U.S. Average)
Annual heat input:	608609.3 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	15.2 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	18.1 (Metric Tons)

Unit Name : CT7
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 34801.9
Annual CO2 Emissions Including Biomass (short tons): 38362.1
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type:	Natural Gas (Weighted U.S. Average)
Annual heat input:	650200 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	16.3 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	19.4 (Metric Tons)

Unit Name : CT6
Unit Type : Electricity Generator
Unit Description :
Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 34186.3
Annual CO2 Emissions Including Biomass (short tons): 37683.6
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type:	Natural Gas (Weighted U.S. Average)
Annual heat input:	638665.4 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	16.0 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	19.0 (Metric Tons)

Unit Name : CT5
Unit Type : Electricity Generator
Unit Description :

Plant Code : (numeric, maximum of 6 digits)
Part 75 Methodology : LME (§75.19(c)(4)(iii))
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 33044.1
Annual CO2 Emissions Including Biomass (short tons): 36424.5
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type:	Natural Gas (Weighted U.S. Average)
Annual heat input:	617412.3 (mmBtu)
CH₄ Emissions CO₂ Equivalent:	15.4 (Metric Tons)
N₂O Emissions CO₂ Equivalent:	18.4 (Metric Tons)

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: J M Stuart

Facility Identifier: 520011

Facility Reporting Year: 2015

Facility Location:

Address: 745 US 52

City: Manchester

State: OH

Postal Code: 45144

Facility Site Details:

CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons): 9814380.3

CO2 equivalent emissions from supplier subparts LL-QQ (metric tons): 0

Biogenic CO2 emissions from facility subparts C-II, SS, and TT (metric tons): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2015-01-01

GHG Report End Date: 2015-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Plant Code Indicator: Y

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DYNEGY INC

Address: 601 Travis Street, Suite 1400, Houston, TX 77002

Percent Ownership Interest: 39

Parent Company Name: AES CORP

Address: 4300 Wilson Boulevard, 11th Floor, Arlington, VA 22203

Percent Ownership Interest: 35

Parent Company Name: AMERICAN ELECTRIC POWER

Address: 1 Riverside Plaza, Columbus, OH 43215

Percent Ownership Interest: 26

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0.15 (Metric Tons)	
Nitrous Oxide		0.031 (Metric Tons)	
Carbon Dioxide		3784.6 (Metric Tons)	

Unit Details:

Unit Name : GP-01

Unit Type : OCS (Other combustion source)

Unit Description : Group 1

Other Unit Name :

PlantCode: 2850 (numeric, maximum of 6 digits)

Small Unit Aggregation Details:

Use IvT Indicator: N

Highest Maximum Rated Heat Input Capacity: 70

Emission Details:

Annual CO₂ mass emissions from sorbent: 0 (Metric Tons)

Annual Biogenic CO₂ Emissions: 0 (metric tons)

Annual Fossil fuel based CO₂ Emissions: 3784.6 (metric tons)

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2015-01-01

Tier Methodology End Date : 2015-12-31

Frequency of HHV determinations : Once per fuel lot

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO ₂ emissions	Total CH ₄ emissions	Total N ₂ O emissions	Total CH ₄ emissions CO ₂ e	Total N ₂ O emissions CO ₂ e
3784.6 (Metric Tons)	0.15 (Metric Tons)	0.031 (Metric Tons)	3.8 (Metric Tons)	9.1 (Metric Tons)

Equation C2a/C9a Inputs :

Fuel Quantity : 379981 (gallons/year)

Use Default High Heat Value : false

Equation C2b Inputs :

	Fuel Combusted	High Heat Value
January	65311 (gallons/month)	0.136262 (mmBtu/gallon)
February	3859 (gallons/month)	0.136424 (mmBtu/gallon)
March	44547 (gallons/month)	0.134676 (mmBtu/gallon)
April	5822 (gallons/month)	0.135086 (mmBtu/gallon)
May	5560 (gallons/month)	0.133565 (mmBtu/gallon)
June	88904 (gallons/month)	0.13475 (mmBtu/gallon)
July	58005 (gallons/month)	0.135044 (mmBtu/gallon)
August	1077 (gallons/month)	0.134618 (mmBtu/gallon)
September	1772 (gallons/month)	0.13355 (mmBtu/gallon)
October	8747 (gallons/month)	0.132881 (mmBtu/gallon)
November	34108 (gallons/month)	0.132315 (mmBtu/gallon)
December	62269 (gallons/month)	0.134045 (mmBtu/gallon)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		1150.13 (Metric Tons)	
Nitrous Oxide		167.292 (Metric Tons)	
Carbon Dioxide		9731976.4 (Metric Tons)	

Unit Details:

Unit Name : MS1B

Unit Type : Electricity Generator

Unit Description : Boiler 1 Bypass Stack

Plant Code : 2850 (numeric, maximum of 6 digits)

Part 75 Methodology : CEMS

Methodology Start Date: 2015-01-01

Methodology End Date: 2015-12-31

Acid Rain Program Indicator: Y

Emission Details:**Annual CO2 Emissions Including Biomass** (metric tons): 11009.8**Annual CO2 Emissions Including Biomass** (short tons): 12136.1**Annual CO2 Emissions from Biomass** (metric tons): 0**CEMS Details:****Operating Hours CO2 Concentration Substituted:** 12**Operating Hours Stack Gas Flow Rate Substituted:** 22**Operating Hours Stack Gas Moisture Substituted:****Electricity Fuel Details:****Fuel type:** Bituminous**Annual heat input:** 118288.0 (mmBtu)**CH₄ Emissions CO₂ Equivalent:** 32.5 (Metric Tons)**N₂O Emissions CO₂ Equivalent:** 56.4 (Metric Tons)**Unit Name :** MS2W**Unit Type :** Electricity Generator**Unit Description :** Boiler 2 Wet Stack**Plant Code :** 2850 (numeric, maximum of 6 digits)**Part 75 Methodology :** CEMS**Methodology Start Date:** 2015-01-01**Methodology End Date:** 2015-12-31**Acid Rain Program Indicator:** Y**Emission Details:****Annual CO2 Emissions Including Biomass** (metric tons): 2387712.1**Annual CO2 Emissions Including Biomass** (short tons): 2631975**Annual CO2 Emissions from Biomass** (metric tons): 0**CEMS Details:****Operating Hours CO2 Concentration Substituted:** 157**Operating Hours Stack Gas Flow Rate Substituted:** 10**Operating Hours Stack Gas Moisture Substituted:****Electricity Fuel Details:****Fuel type:** Bituminous**Annual heat input:** 25652820.0 (mmBtu)**CH₄ Emissions CO₂ Equivalent:** 7054.5 (Metric Tons)**N₂O Emissions CO₂ Equivalent:** 12231.3 (Metric Tons)**Unit Name :** MS4W**Unit Type :** Electricity Generator**Unit Description :** Boiler 4 Wet Stack**Plant Code :** 2850 (numeric, maximum of 6 digits)**Part 75 Methodology :** CEMS**Methodology Start Date:** 2015-01-01**Methodology End Date:** 2015-12-31**Acid Rain Program Indicator:** Y**Emission Details:****Annual CO2 Emissions Including Biomass** (metric tons): 2516069.4**Annual CO2 Emissions Including Biomass** (short tons): 2773463.3**Annual CO2 Emissions from Biomass** (metric tons): 0**CEMS Details:****Operating Hours CO2 Concentration Substituted:** 17**Operating Hours Stack Gas Flow Rate Substituted:** 253**Operating Hours Stack Gas Moisture Substituted:****Electricity Fuel Details:**

Fuel type: Bituminous
Annual heat input: 27031823.0 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 7433.8 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 12888.8 (Metric Tons)

Unit Name : MS1W
Unit Type : Electricity Generator
Unit Description : Boiler 1 Wet Stack
Plant Code : 2850 (numeric, maximum of 6 digits)
Part 75 Methodology : CEMS
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO₂ Emissions Including Biomass (metric tons): 2527105.8
Annual CO₂ Emissions Including Biomass (short tons): 2785628.7
Annual CO₂ Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO₂ Concentration Substituted: 22
Operating Hours Stack Gas Flow Rate Substituted: 150
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 27150400.0 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 7466.4 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 12945.3 (Metric Tons)

Unit Name : MS3W
Unit Type : Electricity Generator
Unit Description : Boiler 3 Wet Stack
Plant Code : 2850 (numeric, maximum of 6 digits)
Part 75 Methodology : CEMS
Methodology Start Date: 2015-01-01
Methodology End Date: 2015-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO₂ Emissions Including Biomass (metric tons): 2229354.6
Annual CO₂ Emissions Including Biomass (short tons): 2457417.6
Annual CO₂ Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO₂ Concentration Substituted: 294
Operating Hours Stack Gas Flow Rate Substituted: 70
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 23951458.0 (mmBtu)
CH₄ Emissions CO₂ Equivalent: 6586.7 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 11420.1 (Metric Tons)

Unit Name : MS2B
Unit Type : Electricity Generator
Unit Description : Boiler 2 Bypass Stack
Plant Code : 2850 (numeric, maximum of 6 digits)
Part 75 Methodology : CEMS
Methodology Start Date: 2015-01-01

Methodology End Date: 2015-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 8658.8

Annual CO2 Emissions Including Biomass (short tons): 9544.6

Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 16

Operating Hours Stack Gas Flow Rate Substituted: 28

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous

Annual heat input: 93031.0 (mmBtu)

CH₄ Emissions CO₂ Equivalent: 25.6 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 44.4 (Metric Tons)

Unit Name : MS3B

Unit Type : Electricity Generator

Unit Description : Boiler 3 Bypass Stack

Plant Code : 2850 (numeric, maximum of 6 digits)

Part 75 Methodology : CEMS

Methodology Start Date: 2015-01-01

Methodology End Date: 2015-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 19944.4

Annual CO2 Emissions Including Biomass (short tons): 21984.7

Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 31

Operating Hours Stack Gas Flow Rate Substituted: 57

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous

Annual heat input: 214284.0 (mmBtu)

CH₄ Emissions CO₂ Equivalent: 58.9 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 102.2 (Metric Tons)

Unit Name : MS4B

Unit Type : Electricity Generator

Unit Description : Boiler 4 Bypass Stack

Plant Code : 2850 (numeric, maximum of 6 digits)

Part 75 Methodology : CEMS

Methodology Start Date: 2015-01-01

Methodology End Date: 2015-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 32121.5

Annual CO2 Emissions Including Biomass (short tons): 35407.5

Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 40

Operating Hours Stack Gas Flow Rate Substituted: 77

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:**Fuel type:** Bituminous**Annual heat input:** 345111.0 (mmBtu)**CH₄ Emissions CO₂ Equivalent:** 94.9 (Metric Tons)**N₂O Emissions CO₂ Equivalent:** 164.5 (Metric Tons)

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

4/15/2016 2:08:17 PM

in

Case No(s). 16-0751-EL-ECP

Summary: Notice of filing of The Dayton Power and Light Company's Federal Greenhouse Gas Reports electronically filed by Mrs. Jessica E Kellie on behalf of The Dayton Power and Light Company