

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:Eastern Michigan University

Facility Identifier:528683

Facility Reporting Year:2020

Facility Location:

Address: 812 Oakwood

City: Ypsilanti

State: MI

Postal Code: 48197

Facility Site Details:

CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons):37,730.5

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:Y

GHG Report Start Date:2020-01-01

GHG Report End Date:2020-12-31

Description of Changes to Calculation Methodology:

Plant Code Indicator:Y

Primary NAICS Code:611310

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name:EASTERN MICHIGAN UNIVERSITY

Address:812 OAKWOOD, YPSILANTI, MI 48197

Percent Ownership Interest:100

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Carbon Dioxide
Gas Quantity	37,691.6 (Metric Tons)
Own Result?	

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

Gas Name	Methane
Gas Quantity	0.71 (Metric Tons)
Own Result?	

Gas Name	Nitrous Oxide
Gas Quantity	0.071 (Metric Tons)
Own Result?	

Unit Details:

Unit Name : Cogen Unit - 7.8MW

Unit Type : OB (Boiler, other)

Unit Description : Cogeneration gas turbine rated for 7.8MW with waste heat recovery boiler and supplemental firing (duct burners).

Individual Unit Details:

Use Ivt Indicator: Y

Maximum Rated Heat Input Capacity: 153 (mmBtu/hr)

Plant Code : 59452 (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 : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2020-01-01

Tier Methodology End Date : 2020-12-31

Fuel Emission Details :

Total CO₂ emissions	Total CH₄ emissions	Total N₂O emissions	Total CH₄ emissions CO₂e	Total N₂O emissions CO₂e
20701.1 (Metric Tons)	0.39 (Metric Tons)	0.039 (Metric Tons)	9.8 (Metric Tons)	11.6 (Metric Tons)

Unit Name : GP-POWER BOILERS NOs 1, 2 AND 3

Unit Type : OCS (Other combustion source)

Unit Description : HIGH PRESSURE POWER BOILERS LOCATED IN THE CENTRAL HEATING PLANT, NATURAL GAS AND No. 2 FUEL OIL CAPABLE. NOTE: Boiler #3 has been removed from service and has been demolished.

Other Unit Name :

Small Unit Aggregation Details:

Use Ivt Indicator: Y

Highest Maximum Rated Heat Input Capacity: 120

Cumulative Maximum Rated Heat Input Capacity: 240

Emission Details:

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

Annual Biogenic CO₂ Emissions: 0 (metric tons)

Annual Fossil fuel based CO₂ Emissions: 10540.4 (metric tons)

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2020-01-01

Tier Methodology End Date : 2020-12-31

Fuel Emission Details :

Total CO₂ emissions	Total CH₄ emissions	Total N₂O emissions	Total CH₄ emissions CO₂e	Total N₂O emissions CO₂e
10540.4 (Metric Tons)	0.20 (Metric Tons)	0.020 (Metric Tons)	5 (Metric Tons)	5.9 (Metric Tons)

Unit Name : POWER BOILER No 4-HRSG

Unit Type : OB (Boiler, other)

Unit Description : Heat recovery steam generator in co-generation application receiving gas turbine exhaust using natural gas only and with auxiliary fired burner using natural gas only. NOTE: This unit has been removed from service and demolished.

Individual Unit Details:

Use Ivt Indicator: Y

Maximum Rated Heat Input Capacity: 88.33 (mmBtu/hr)

Emission Details:

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

Annual Biogenic CO₂ Emissions: 0 (metric tons)

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2020-01-01

Tier Methodology End Date : 2020-12-31

Fuel Emission Details :

Total CO₂ emissions	Total CH₄ emissions	Total N₂O emissions	Total CH₄ emissions CO₂e	Total N₂O emissions CO₂e
0 (Metric Tons)	0 (Metric Tons)	0 (Metric Tons)	0 (Metric Tons)	0 (Metric Tons)

Unit Name : GP-MISCELLANEOUS

Unit Type : OCS (Other combustion source)

Unit Description : Various small boilers, furnaces, space heaters, cooking and hot water heating devices using pipeline quality natural gas.

Other Unit Name :

Small Unit Aggregation Details:

Use Ivt Indicator: Y

Highest Maximum Rated Heat Input Capacity: 10

Cumulative Maximum Rated Heat Input Capacity: 60

Emission Details:

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

Annual Biogenic CO₂ Emissions: 0 (metric tons)

Annual Fossil fuel based CO₂ Emissions: 6450.1 (metric tons)

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2020-01-01

Tier Methodology End Date : 2020-12-31

Fuel Emission Details :

Total CO₂ emissions	Total CH₄ emissions	Total N₂O emissions	Total CH₄ emissions CO₂e	Total N₂O emissions CO₂e
6450.1 (Metric Tons)	0.12 (Metric Tons)	0.012 (Metric Tons)	3 (Metric Tons)	3.6 (Metric Tons)