

1. Methodology & Boundaries

***Start date of the 12-month period covered in this report**

July 1, 2020

Consolidation methodology used to determine organizational boundaries

Operational control approach

***If any institution-owned, leased, or operated buildings or other holdings that should fall within the organizational boundaries are omitted, briefly explain why.**

This inventory is only for JCCC owned buildings. We lease several off-campus locations, but do not have direct control over any efficiency upgrades to those facilities.

***Emissions calculation tool used**

SIMAP

Please describe why this tool was selected

No Information Provided

Please describe the source(s) of the emissions coefficients used.

No Information Provided

Which version of IPCC's list of global warming potentials did you use?

Fourth Assessment Report

***Who primarily conducted this emissions inventory?**

Sustainability office staff

Please describe the process of conducting the inventory.

Gathered tracked data from across campus and compiled into this tool.

Please describe any emissions sources that were classified as de minimis and explain how a determination of the significance of these emissions was made.

No Information Provided

Please describe any data limitations related to this submission and any major assumptions made in response to these limitations.

No Information Provided

2. Emissions Data

Scope One

***Stationary Combustion**

468.06 MTCO₂e

***Mobile Combustion**

163 MTCO₂e

***Process Emissions**

0 MTCO₂e

***Fugitive Emissions**

3.57 MTCO₂e

Total Scope 1 emissions

634 MTCO₂e

Scope Two

***Purchased Electricity**

13,038.82 MTCO₂e

***Purchased Heating**

0 MTCO₂e

***Purchased Cooling**

0 MTCO₂e

***Purchased Steam**

0 MTCO₂e

Total Scope 2 emissions

13,038 MTCO₂e

Scope Three

***Commuting**

2,030.8 MTCO₂e

***Air Travel**

146.44 MTCO₂e

Waste Generated in Operations

111.8 MTCO₂e

Fuel and energy related to activities (not included in scope 1 or scope 2)

0 MTCO₂e

Purchased goods and services

0 MTCO₂e

Total Scope 3 emissions

2,287 MTCO₂e

Biogenic Emissions

Biogenic Emissions from Stationary Combustion

0 MTCO₂e

Biogenic Emissions from Mobile Combustion

0 MTCO₂e

Upload the completed inventory calculator

3. Mitigation Data

Campus Energy (all sources)

***Total Purchased Electricity Consumption**

22,992,484 kWh

***On-Site Electricity Generation for Campus Consumption**

1,523,000 kWh

Total Electricity Demand

24,515,484 kWh

***Purchased Thermal Energy**

0 MMBTU

***On-site Thermal Energy Generation**

0 MMBTU

Total Thermal Demand

0 MMBTU

On Campus Renewable Energy Generation

***Solar Sold**

0 kWh

***Solar Retained**

1,523,000 kWh

Solar Verification

No Information Provided

***Wind Sold**

0 kWh

***Wind Retained**

0 kWh

Wind Verification

No Information Provided

***Fuel Cell Sold**

0 kWh

***Fuel Cell Retained**

0 kWh

Fuel Cell Verification

No Information Provided

***Landfill Gas Sold**

0 kWh

***Landfill Gas Retained**

0 kWh

Landfill Gas Verification

No Information Provided

***Biomass (electric) Sold**

0 kWh

***Biomass (electric) Retained**

0 kWh

Biomass (electric) Verification

No Information Provided

***Biomass (thermal) Sold**

0 MMBTU

***Biomass (thermal) Retained**

0 MMBTU

Biomass (thermal) Verification

No Information Provided

***Geothermal Sold**

0 MMBTU

***Geothermal Retained**

0 MMBTU

Geothermal Verification

No Information Provided

Total Sold

0 kWh

Total Retained

1,523,000 kWh

Total Generation kWh (sold + retained)

1,523,000 kWh

If you are selling RECs from campus renewable projects, at what date do you anticipate you will begin retaining those RECs?

Description of RECs sold (including vendor, project source, etc.)

Off Campus Renewable Energy Purchases

***Utility Green Pricing Purchased**

0kWh

Utility Green Pricing RECs retained?

no

Utility Green Pricing Verification

No Information Provided

***Competitive Suppliers Purchased**

0 kWh

Competitive Suppliers RECs retained?

no

Competitive Suppliers Verification

No Information Provided

***Voluntary Unbundled RECs Purchased**

0 kWh

Voluntary Unbundled RECs RECs retained?

no

Voluntary Unbundled RECs Verification

No Information Provided

***Community Choice Aggregation Purchased**

0 kWh

Community Choice Aggregation RECs retained?

no

Community Choice Aggregation Verification

No Information Provided

***Community Solar Purchased**

0 kWh

Community Solar RECs retained?

no

Community Solar Verification

No Information Provided

***Power Purchase Agreement Purchased**

0 kWh

Power Purchase Agreement RECs retained?

no

Power Purchase Agreement Verification

No Information Provided

***Large Commercial Green Power Rates ("green tariffs") Purchased**

0 kWh

Large Commercial Green Power Rates ("green tariffs") RECs retained?

no

Large Commercial Green Power Rates ("green tariffs") Verification

No Information Provided

Other Purchased

No Information Provided kWh

Verification Program RECs retained?

no

Verification Program Verification

No Information Provided

Total REC Purchases

0 kWh

Description of Renewable Energy Purchase (including vendor, project source, etc.)

No Information Provided

Offsets

***Carbon offsets purchased**

0 MTCO₂e

Offset verification program(s)

□

Description of offsets purchased (including vendor, project source, etc.)

No Information Provided

***Offsets Sold**

0 MTCO₂e

Were these offsets used to offset the buyers emissions or retired?

no

Used to offset purchaser's emissions

no

Retired against the climate

no

If other, please specify

No Information Provided

Description of offset projects (including project source, etc.)

No Information Provided

Offsets Produced

0 MTCO₂e

Offset Type

No Information Provided

Description of offset projects (including project source, etc.)

No Information Provided

Offsets produced verification program(s)

□

Description of Verification Protocol (including monitoring procedures, peer review, etc.)

No Information Provided

Offset produced verification file

No Information Provided

Sequestration & Carbon Storage

Sequestration due to land owned by the institution

0

Description of how sequestration was calculated

No Information Provided

Carbon storage due to composting

0

4. Normalization & Contextual Data

***Gross square feet of building space**

2,050,000 sq ft

Net assignable square feet of laboratory space

0 sq ft

Net assignable square feet of health care space

0 sq ft

Net assignable square feet of residential space

0 sq ft

***Total student enrollment (FTE)**

17,318

Residential Students

0

Full-time Commuter Students

0

Part-time Commuter Students

0

Non-credit Students

0

Full-time Faculty

0

Part-time Faculty

0

Full-time Staff

0

Part-time Staff

0

Endowment Size

\$0.00 USD

Heating Degree Days

0

Cooling Degree Days

0

Please describe any circumstances specific to your institution that provide context for understanding your greenhouse gas emissions this year.

No Information Provided

Has this emissions data been audited, verified, or peer-reviewed?

No Information Provided

Please briefly describe this verification, if any.

No Information Provided

5. Progress Metrics

Has your Climate Action Plan and/or related sustainability efforts saved your institution money so far, e.g. by reducing operational expenses?

yes

Estimated money saved to date from implementing your CAP

Borrowed against endowment

no

Efficiency Services Agreement (ESA)

no

Managed Utility Service Contract (MUSC)

no

Power Purchase Agreement (PPA)

no

Renegotiating Purchased Utilities Agreements

no

Revolving Loan Funds

no

Tax Exempt Lease Purchase Agreements (TELP)

no

Tax Exempt Lease Purchase Agreements (TELP)

no

Student Green Fees

no

Energy Performance Contract (EPC)

no

Other

no

Other – please provide more information:

No Information Provided

How is your institution making climate neutrality and sustainability a part of the curriculum and other educational experiences for all students?

60000 students have completed sustainability enhanced courses since 2012.

Included sustainability learning outcomes, tracks, or certificates in every academic major.

no

Included sustainability in fulfilling regional accreditation requirements.

yes

Included sustainability in fulfilling state accreditation requirements.

no

Included sustainability learning outcomes into institutional General Education Requirements.

yes

Offered professional development to all faculty in sustainability education.

yes

Other

no

Other text

No Information Provided

If applicable, how is your institution expanding research efforts toward the achievement of climate neutrality research?

not Applicable

How is your institution expanding community outreach efforts toward the achievement of climate neutrality?

Convener of climate neutrality outreach and partner in our regions climate action plan.