

# Annual Progress Evaluation for California State University – Fullerton, 2016

## ANNUAL PROGRESS EVALUATION

### 1. Methodology & Boundaries

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

January 1, 2016

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.

The Main Campus consists 241 acres of land with 29 permanent buildings or building clusters, along with residence halls housing 1,800 students. The university serves approximately 40,000 students, and employees approximately 4,000 staff and

faculty. Not included in the boundary for purposes of this report are satellite locations including the Irvine Campus, Grand Central Art Center in Santa Ana, the Garden Grove Center in Garden Grove, the Fullerton Arboretum (leased land), the President's Residence, and Zzyzx Desert Studies Center. These satellite locations are outside of our operational boundaries and were not included in this report.

Carbon Map (no longer supported)

The Clean Air Cool Planet tool was used to complete a 1990 baseline and 2008 inventory of campus greenhouse gas emissions. An internal sustainability manager completed the 2nd GHG assessment for 2014 using the Second Nature online reporting tool.

*No Information Provided*

Fourth Assessment Report

**\*Emissions calculation tool used**

**Please describe why this tool was selected**

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

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

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

Student researcher(s)

Please describe the process of conducting the inventory.

*No Information Provided*

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

Any emissions sources that provided less than 1% of total emissions were considered de minimus.

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

0 MTCO<sub>2</sub>e

\*Mobile Combustion

0 MTCO<sub>2</sub>e

\*Process Emissions

0 MTCO<sub>2</sub>e

\*Fugitive Emissions

0 MTCO<sub>2</sub>e

Total Scope 1 emissions

0 MTCO<sub>2</sub>e

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## Scope Two

\*Purchased Electricity 0 MTCO<sub>2</sub>e

\*Purchased Heating 0 MTCO<sub>2</sub>e

\*Purchased Cooling 0 MTCO<sub>2</sub>e

\*Purchased Steam 0 MTCO<sub>2</sub>e

Total Scope 2 emissions 0 MTCO<sub>2</sub>e

## Scope Three

\*Commuting 0 MTCO<sub>2</sub>e

\*Air Travel 0 MTCO<sub>2</sub>e

Waste Generated in Operations 0 MTCO<sub>2</sub>e

Fuel and energy related to 0 MTCO<sub>2</sub>e

activities (not included in scope 1  
or scope 2)

Purchased goods and services 0 MTCO<sub>2</sub>e

Total Scope 3 emissions 0 MTCO<sub>2</sub>e

## Biogenic Emissions

Biogenic Emissions from 0 MTCO<sub>2</sub>e

Stationary Combustion

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Biogenic Emissions from Mobile 0 MTCO<sub>2</sub>e

Combustion

Upload the completed inventory calculator

### 3. Mitigation Data

Campus Energy (all sources)

\*Total Purchased Electricity Consumption 9,741,930 kWh

\*On-Site Electricity Generation for Campus Consumption 31,848,740 kWh

Total Electricity Demand

41,590,670 kWh

\*Purchased Thermal Energy

0 MMBTU

\*On-site Thermal Energy

336,119 MMBTU

Generation

Total Thermal Demand

336,119 MMBTU

On Campus Renewable Energy Generation

\*Solar Sold

0 kWh

\*Solar Retained

1,665,249 kWh

Solar Verification notverified

\*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	<i>No Information Provided</i>
Total Sold	0 kWh
Total Retained	1,665,249 kWh
Total Generation kWh (sold + retained)	1,665,249 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	<i>No Information Provided</i>

\*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 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	<i>No Information Provided</i>
*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	<i>No Information Provided</i>
Other Purchased	<i>No Information Provided kWh</i>
Verification Program RECs retained?	no
Verification Program Verification	<i>No Information Provided</i>
Total REC Purchases	0 kWh
Description of Renewable Energy Purchase (including vendor,	<i>No Information Provided</i>

project source, etc.)

Offsets

\*Carbon offsets purchased 0 MTCO<sub>2</sub>e

Offset verification program(s) []

Description of offsets purchased (including vendor, project source, etc.) *No Information Provided*

\*Offsets Sold 0 MTCO<sub>2</sub>e

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 MTCO<sub>2</sub>e

Offset Type *No Information Provided*

Description of offset projects *No Information Provided*

(including project source, etc.)

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 140

## 4. Normalization & Contextual Data

\*Gross square feet of building space 4,547,144 sq ft

Net assignable square feet of laboratory space 292,033 sq ft

Net assignable square feet of health care space	19,295 sq ft
Net assignable square feet of residential space	440,548 sq ft
*Total student enrollment (FTE)	32,306
Residential Students	1,904
Full-time Commuter Students	23,551
Part-time Commuter Students	0
Non-credit Students	0
Full-time Faculty	1,006
Part-time Faculty	1,201
Full-time Staff	1,500
Part-time Staff	347
Endowment Size	\$53,113,305.00 USD
Heating Degree Days	1,526
Cooling Degree Days	395

Please describe any circumstances *No Information Provided* 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.

## 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?

*No Information Provided*

Estimated money saved to date

from implementing your CAP

Borrowed against endowment

Efficiency Services Agreement

(ESA)

Managed Utility Service Contract

no

no

no

no

(MUSC)

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? Sustainability is being incorporated into first year experience courses.

Included sustainability learning outcomes, tracks, or certificates in every academic major. no

Included sustainability in fulfilling regional accreditation requirements. no

Included sustainability in fulfilling state accreditation requirements. no

Included sustainability learning outcomes into institutional General Education Requirements. no

Offered professional development to all faculty in sustainability education. no

Other no

Other text *No Information Provided*

If applicable, how is your N/A

institution expanding research efforts toward the achievement of climate neutrality research?

How is your institution expanding community outreach efforts toward the achievement of climate neutrality? CSU Fullerton partnered with the City of Anaheim to complete a year of the EPA Campus Community Partnership program.