

# Energy & Sustainability Companion Report

This report is organized around four key metrics.

- 1. Energy Use Intensity (BTU/GSF/year)
  - 2. Utility Cost by Gross Square foot and Gross Institutional Expenditure
  - 3. GHG Emissions (m-tons of CO<sub>2</sub>e)
- These factors are influenced by campus location and its climate, type of utility service, hours of operation, occupancy loads, maintenance practices and energy efficiency efforts. Comparisons between campuses should be tempered by these confounding factors.
  - The most effective use of this information is to track campus progress compared to its historical data over time.

## Campus Energy Use Intensity

- Energy Use Intensity (EUI) is calculated by dividing the total energy consumed over one year (measured in Thousand BTU) by the adjusted gross square feet.
- This metric is the standard measure of energy use for all energy management programs including Energy Star Building rating system, Energy Codes and the Federal Energy Management Program.

**Why this matters:** This metric expresses how energy efficient the campus is and the trend over time for this campus. Generally, lower values are more energy efficient, however, this is highly depended on conditions at the campus. Campuses with older buildings, more energy intensive programs, or a more extreme climate would have a higher EUI. Care should be taken when comparing EUIs between campuses. California's energy code sets targets for each code cycle based on climate zone and building type and campuses are encouraged to incorporate these whole building benchmarks into energy targets to guide new construction and renovations to deliver energy efficient buildings.

## Campus Utility Cost Overview

- One of energy management programs top priorities is to contain utility costs. CSU campuses have a long track record of success in this area and have reduced energy use and contained costs over time.
- This metric tracks progress by compare utility expenditures versus adjusted gross square feet and gross institutional expenditures over time.

**Why this matters:** It's important that the University decision makers are making informed decisions on the short and long term implications of utilities and energy efficiency funding. California has a policy of high unit costs for energy and investing in energy efficiency to maintain affordable total bills. If energy efficiency investments lag, utilities costs will escalate to consume a larger percentage of the Gross Institutional Expenditure (GIE).

## Campus GHG Emissions

- CSU policy requires reducing system wide facility greenhouse gas (GHG) emissions to 1990 levels, or below, by 2020. CSU's goal is to reduce facility GHG Emissions to 80 percent below 1990 levels by 2040.
- Three CSU campuses were founded after 1990 and a number of them have grown significantly, as a result the campuses have been provided an adjusted emissions target to provide each campus an achievable goal while ensuring that systemwide GHG emissions can be reduced to 1990 levels and beyond.
- Campus GHG emission data was calculated by multiplying the energy consumption data by emission factors under the Climate Registry General Reporting Protocol.
- The energy consumption data was extracted from the Monthly Energy Report (MER) submitted by campuses and emission factors were calculated from each utility's annual power content label published by California Energy Commission.
- Campus GHG emissions have been further divided into Scope 1 emissions and Scope 2 emissions. Scope 1 emissions are all direct GHG emissions, including emissions released from sources that are owned or controlled by the campus. Scope 2 emissions include indirect GHG emissions from consumption of purchased electricity, heat, or steam.

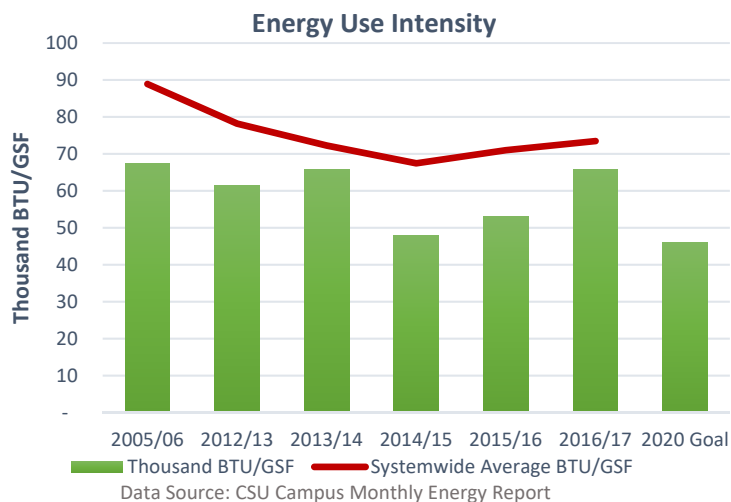
**Why this matters:** Climate change is one of the most serious threats facing society in the 21<sup>st</sup> century. California policy requires reducing GHG emissions while providing clean air health co-benefits and protecting California's most vulnerable. 15 of CSU's campuses have signed a commitment to develop a plan to achieve carbon neutrality. CSU must achieve these ambitious goals cost effectively without increasing utility costs as a share of GIE.

# Northridge – Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Northridge since 2005.

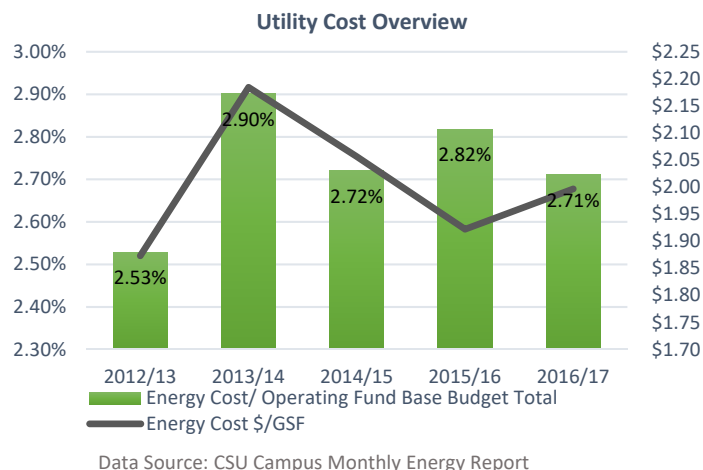
**During these 5 years:** the Energy Use Intensity at California State University, Northridge decreased in FY 14/15 achieved their lowest reduction of 20%. Although in FY 16/17 a 20% in facility energy use intensity increased since 2014.



## Campus Energy Cost Overview

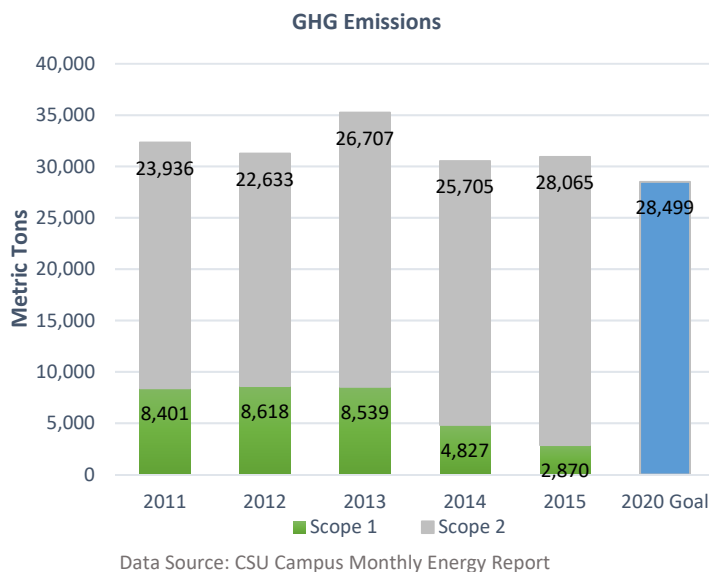
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** California State University, Northridge spent \$2.00/GSF on energy in FY 16/17, decreased from what they were paying in FY 15/16. Including utility purchase the percentage of Energy Cost/Operating Fund Base Budget total managed to remain below the 3% since FY 12/13.



## Campus GHG Emissions

**During these 5 years:** California State University, Northridge Scope 1 GHG emissions has gradually decreased over 60% and Scope 2 GHG emissions has increased about 20% today since 2011.

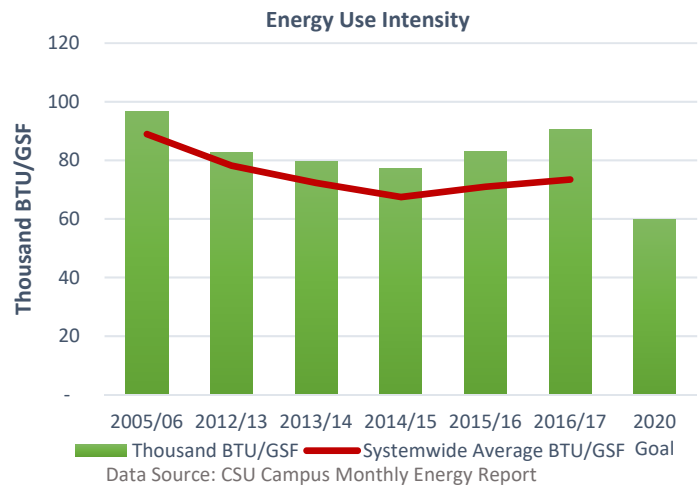


# Sacramento - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Sacramento since 2005.

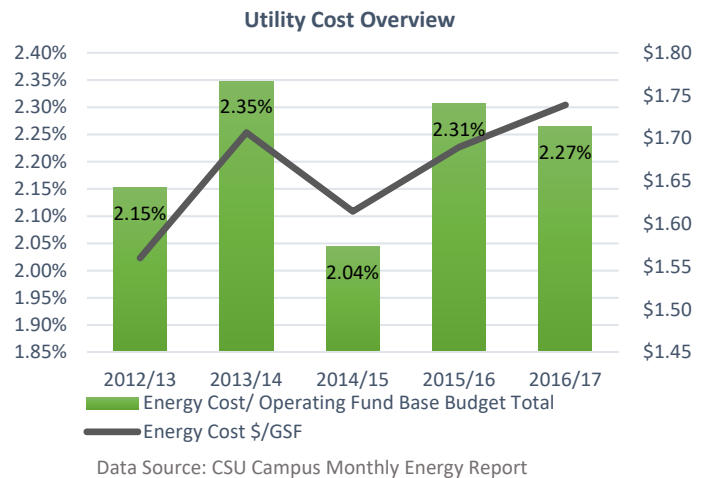
**During these 5 years:** the Energy Use Intensity at California State University, Sacramento has decreased and achieved more than a 5% reduction in facility energy use intensity in FY 16/17 compared to FY 05/06.



## Campus Energy Cost Overview

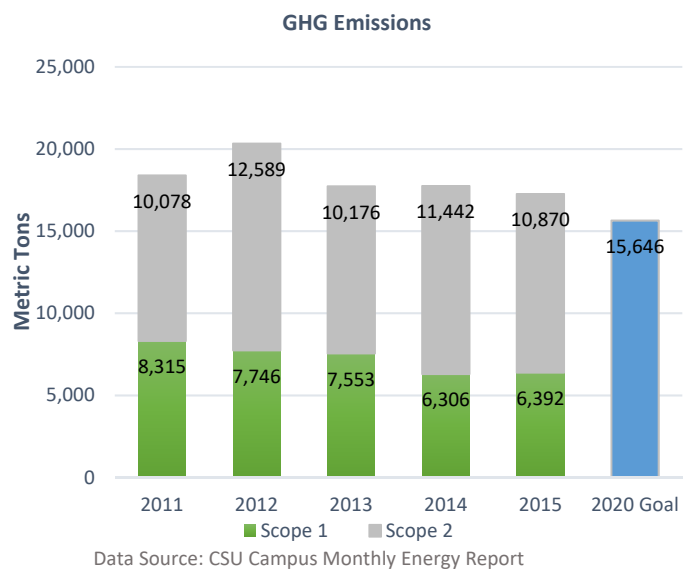
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** California State University, Sacramento spent \$1.70/GSF on energy in FY 16/17, decreased from FY 15/16. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget remained under the 2.5% since FY 12/13.



## Campus GHG Emissions

**During these 5 years:** California State University, Sacramento Scope 1 GHG emissions area has decreased over 20% and Scope 2 GHG emissions has increased an 8% since 2011.

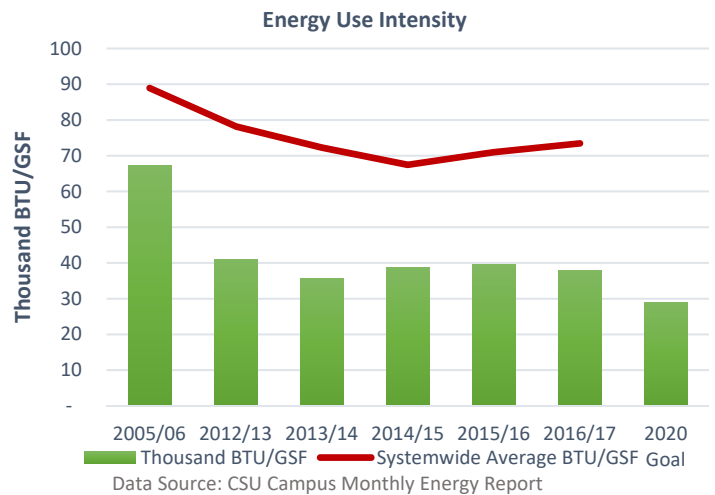


# Channel Islands - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at the California State University, Channel Islands, since 2005.

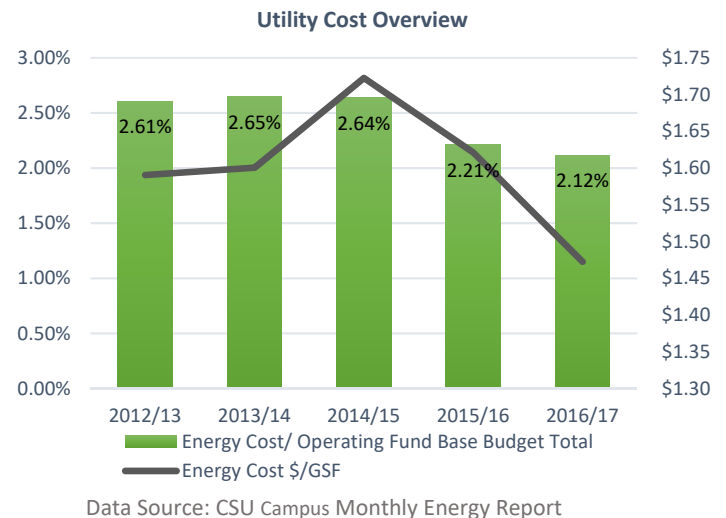
**During these 5 years:** the Energy Use Intensity at California State University, Channel Islands has decreased over half its BTU/GSF and achieved more than a 30% reduction in facility energy use intensity in FY 16/17.



## Campus Energy Cost Overview

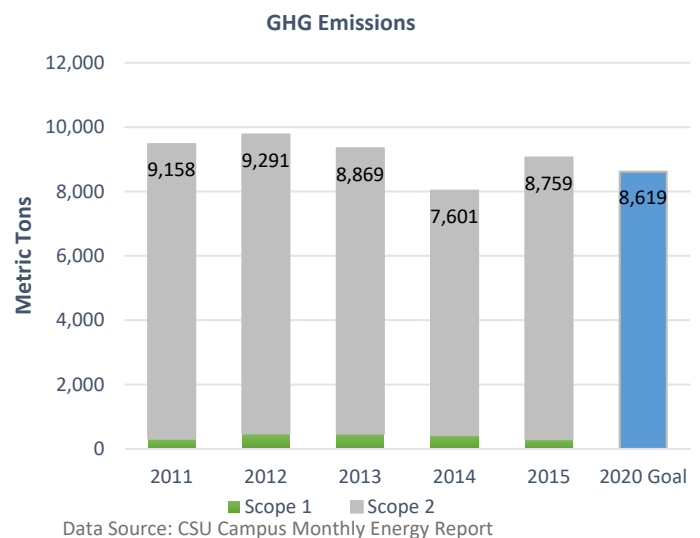
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** California State University, Channel Islands spent \$1.63/GSF on energy in FY 16/17, decreasing from FY 12/13. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget decreased about ten cents since FY 12/13.



## Campus GHG Emissions

**During these 5 years:** California State University, Channel Islands Scope 1 GHG emissions area has decreased over 5% and Scope 2 GHG emissions has decreased 4% since 2011.

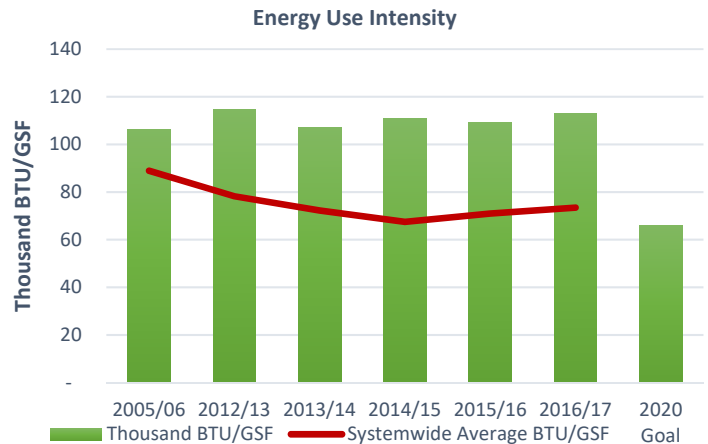


# Dominguez Hills - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Dominguez Hills since 2005.

**During these 5 years:** the Energy Use Intensity at California State University, Dominguez Hills has increased 7% in facility energy use intensity in FY 16/17 since the FY of 05/06.

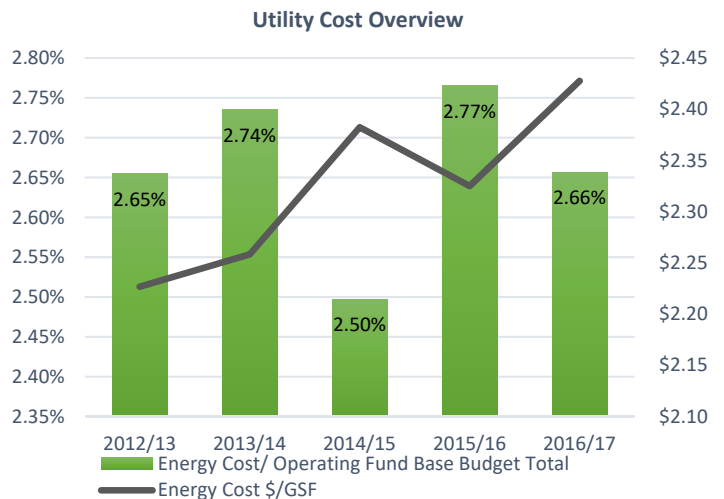


Data Source: CSU Campus Monthly Energy Report

## Campus Energy Cost Overview

This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

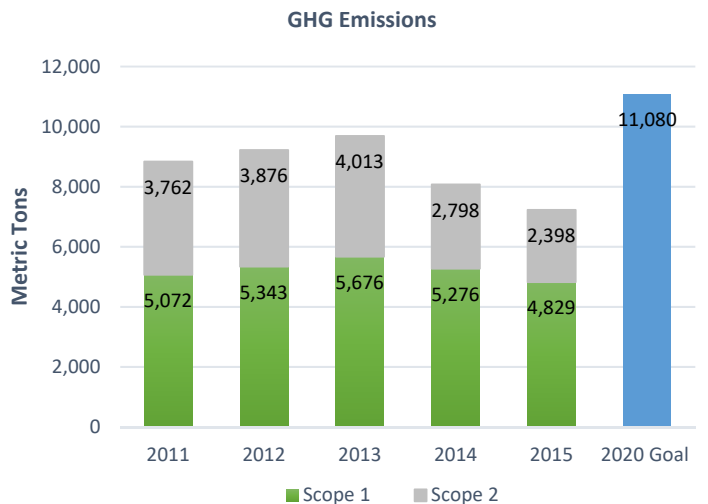
**During these 5 years:** California State University, Dominguez Hills spent \$2.35/GSF on energy in FY 16/17, increased ten cents from FY 14/15. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget was at its highest in FY 15/16.



Data Source: CSU Campus Monthly Energy Report

## Campus GHG Emissions

**During these 5 years:** California State University, Dominguez Hills Scope 1 GHG emissions area has decreased 4% and Scope 2 GHG emissions has decreases over 30% since 2011.



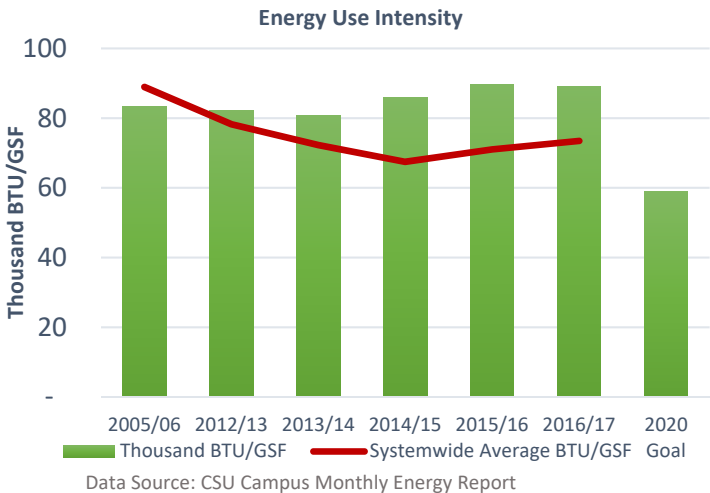
Data Source: CSU Campus Monthly Energy Report

# Fresno - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Fresno since 2005.

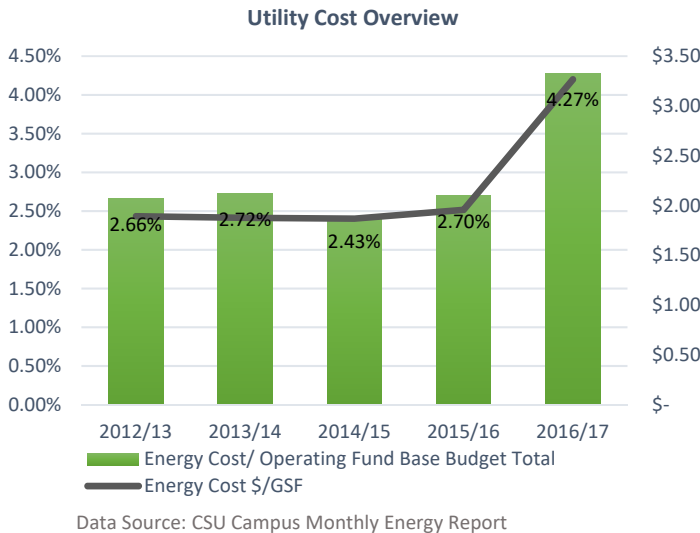
**During these 5 years:** the Energy Use Intensity at California State University, Fresno has increased gradually over 5% in facility energy use intensity in FY 16/17 since the FY of 05/06.



## Campus Energy Cost Overview

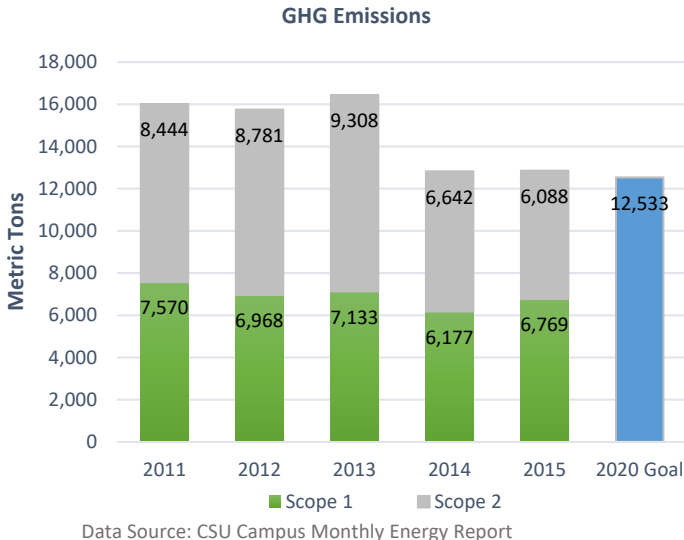
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus’s total operating fund base budget.

**During these 5 years:** California State University, Fresno spent over \$3.00/GSF on energy in FY 16/17, increased over a dollar from FY 12/13. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget was at its highest in FY 16/17.



## Campus GHG Emissions

**During these 5 years:** California State University, Fresno Scope 1 GHG emissions area has decreased 10% and Scope 2 GHG emissions has decreased over 25% since 2011.

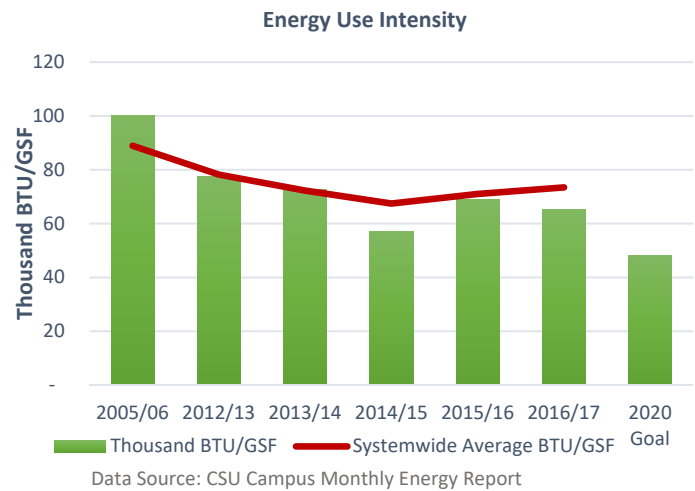


# Humboldt - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at Humboldt State University since 2005.

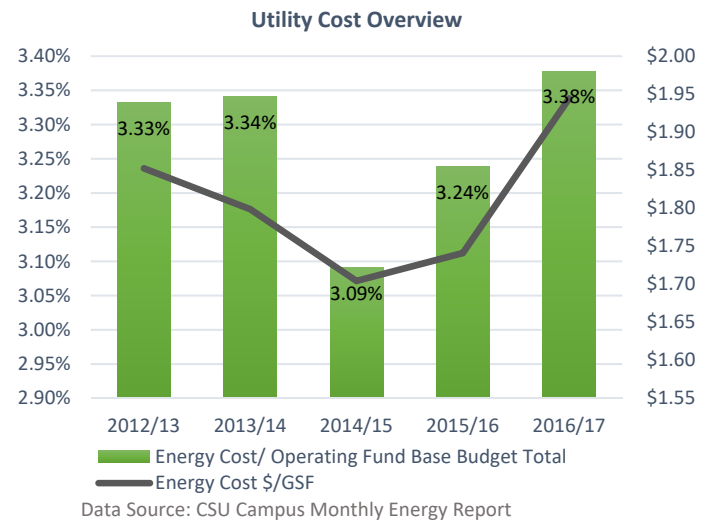
**During these 5 years:** Energy Use Intensity at Humboldt State University has decreased and the campus achieved more than a 30% reduction in energy use intensity.



## Campus Energy Cost Overview

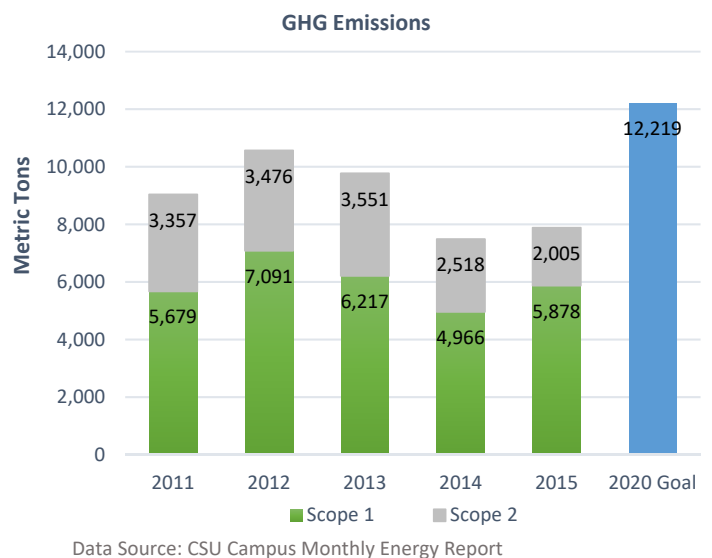
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's gross institutional expenditures and the utility cost per gross square feet.

**During these 5 years:** Humboldt State University spent \$1.95/GSF on energy in FY 16/17, The percentage of Energy Cost/Operating Fund Base Budget has remained under the 4% of GIE.



## Campus GHG Emissions

**During these 5 years:** Since 2011 Humboldt State University, Scope 1 GHG emissions has slowly increased by 4% and Scope 2 GHG emissions has decreased by 40%.

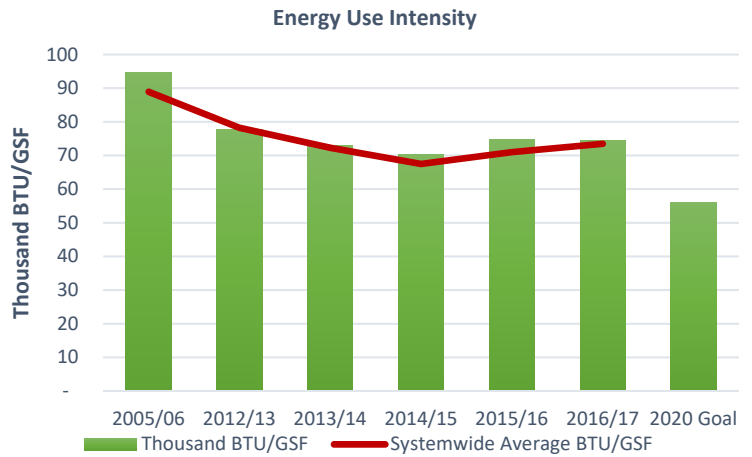


# Long Beach - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Long Beach since 2005.

**During these 5 years:** Energy Use Intensity at California State University, Long Beach has steadily decreased and the campus achieved more than a 20% reduction in energy use intensity.

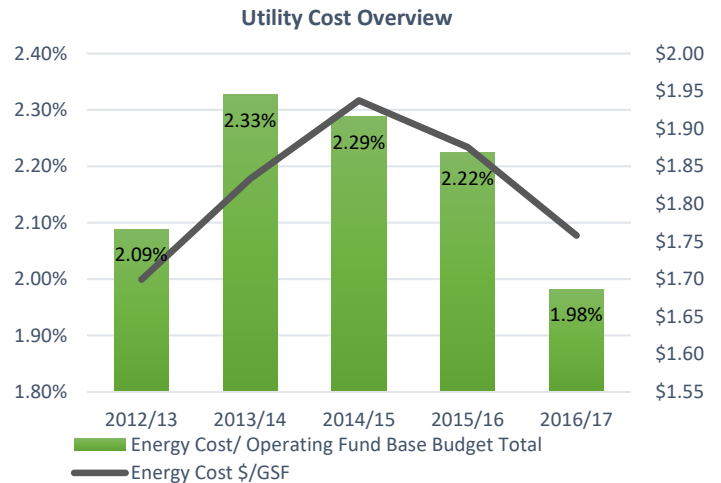


Data Source: CSU Campus Monthly Energy Report

## Campus Energy Cost Overview

This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's gross institutional expenditures and the utility cost per gross square feet.

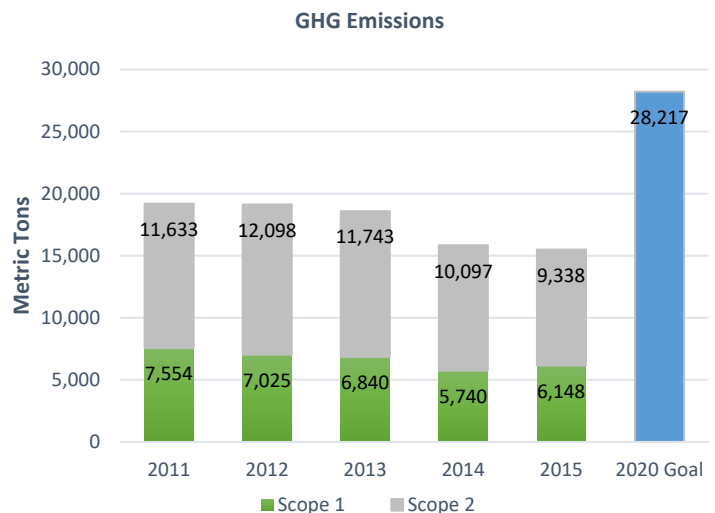
**During these 5 years:** California State University, Long Beach spent \$1.68/GSF on energy in FY 16/17, has reached its lowest since FY 12/13. The percentage of Energy Cost/Operating Fund Base Budget has remained under the 2% of GIE.



Data Source: CSU Campus Monthly Energy Report

## Campus GHG Emissions

**During these 5 years:** California State University, Long Beach Scope 1 GHG emissions area has decreased over 15% and Scope 2 GHG emissions has decreased 20% since 2011.



Data Source: CSU Campus Monthly Energy Report

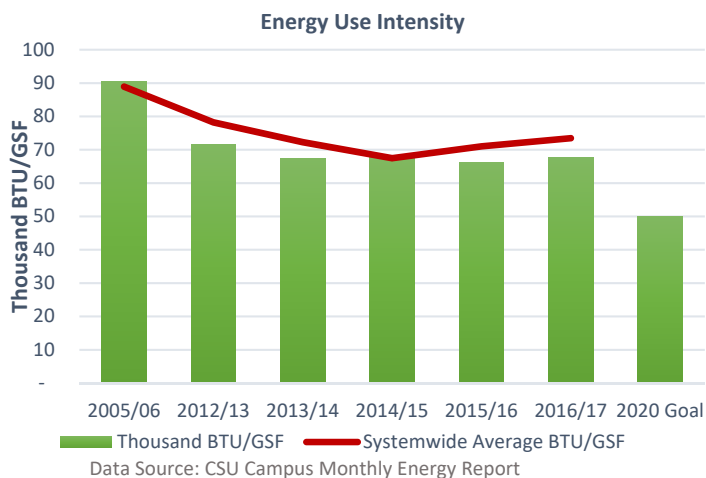


# Los Angeles - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Los Angeles since 2005.

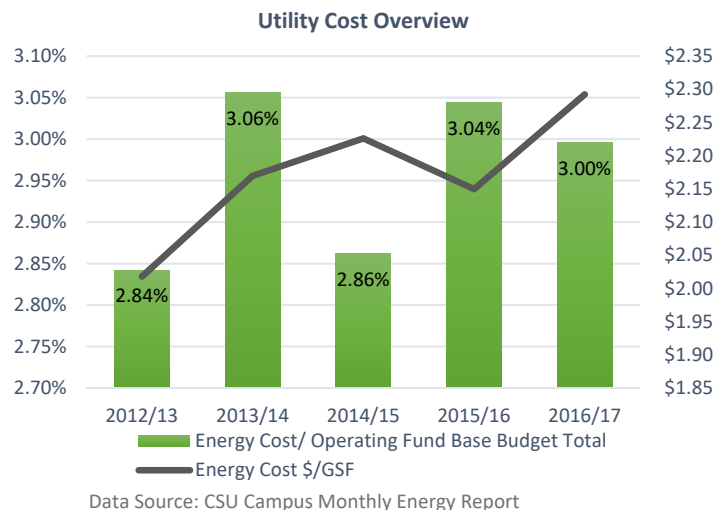
**During these 5 years:** Energy Use Intensity at California State University, Los Angeles has steadily decreased and the campus achieved more than a 30% reduction in energy use intensity.



## Campus Energy Cost Overview

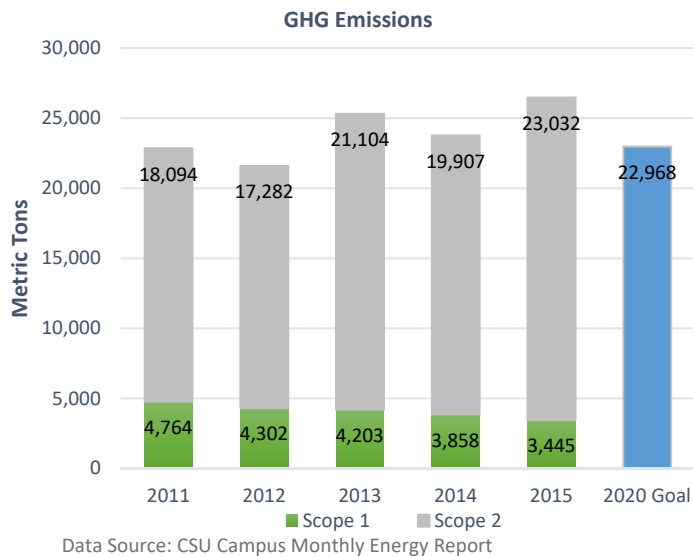
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's gross institutional expenditures and the utility cost per gross square feet.

**During these 5 years:** California State University, Los Angeles spent over \$2.20/GSF on energy in FY 16/17, has increased since FY 12/13. The percentage of Energy Cost/Operating Fund Base Budget has remained within the 3% of GIE.



## Campus GHG Emissions

**During these 5 years:** California State University, Los Angeles Scope 1 & 2 GHG emissions area has decreased 27% since 2011.

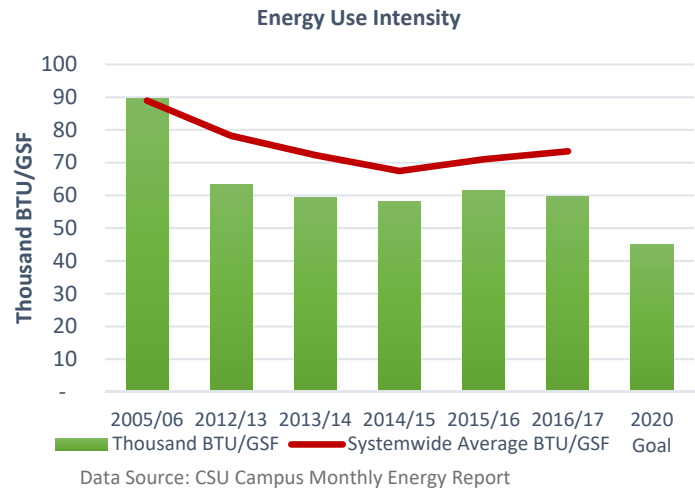


# Pomona - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California Polytechnic State University, Pomona since 2005.

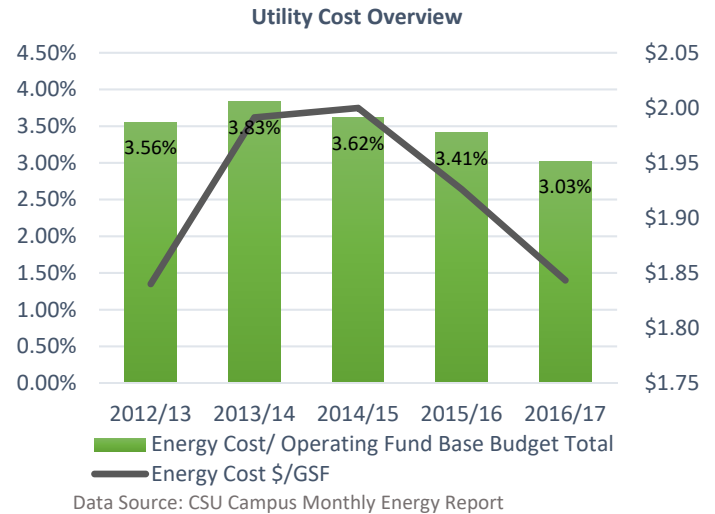
**During these 5 years:** Energy Use Intensity at California Polytechnic State University, Pomona has steadily decreased and the campus achieved a 30% reduction in energy use intensity.



## Campus Energy Cost Overview

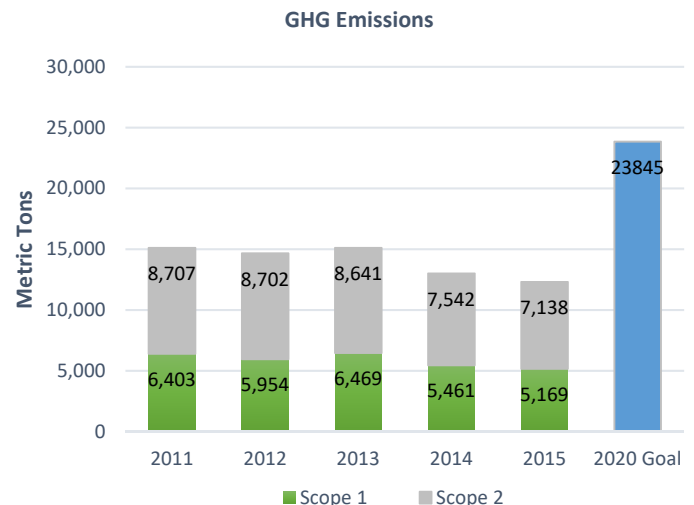
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** California Polytechnic State University, Pomona spent less than \$2.00/GSF on energy in FY 16/17, decreased five cents from FY 12/13. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget has reached its lowest since FY 13/14.



## Campus GHG Emissions

**During these 5 years:** California Polytechnic State University, Pomona Scope 1 GHG emissions area has decreased over 15% and Scope 2 GHG emissions has decreased an 18% since 2011.

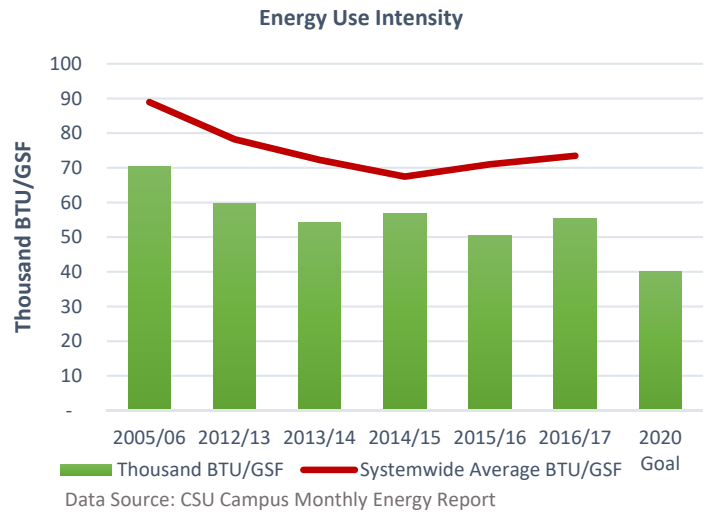


# Fullerton - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Fullerton since 2005.

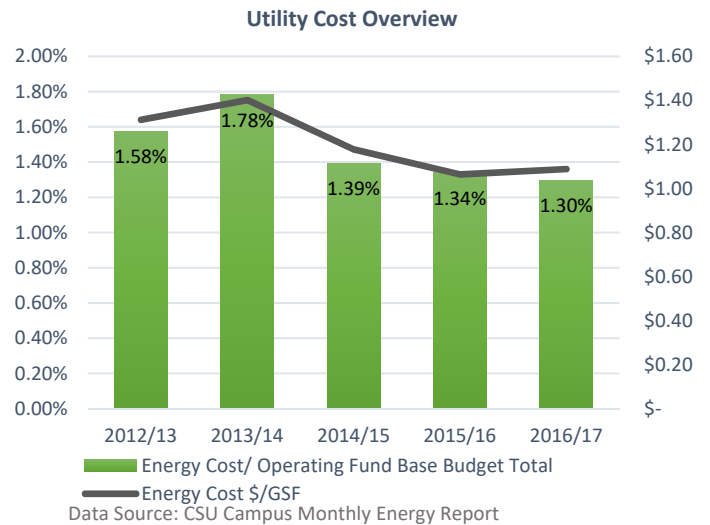
**During these 5 years:** Energy Use Intensity at California State University, Fullerton has decreased and the campus achieved more than a 20% reduction in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

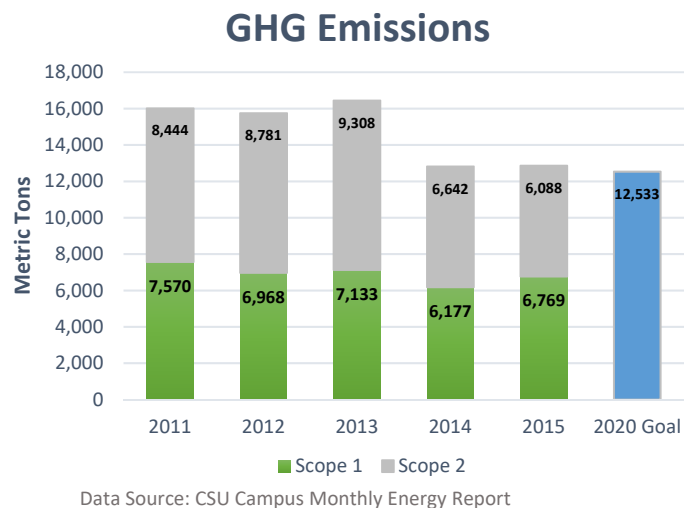
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's gross institutional expenditures and the utility cost per gross square feet.

**During these 5 years:** California State University, Fullerton spent \$1.00/GSF on energy in FY 16/17, has decreased since FY 12/13. The percentage of Energy Cost/Operating Fund Base Budget has remained under the 2% of GIE.



## Campus GHG Emissions

**During these 5 years:** California State University, Fullerton Scope 1 GHG emissions area has decreased 11% and Scope 2 GHG emissions has decreased a near 28% since 2011.

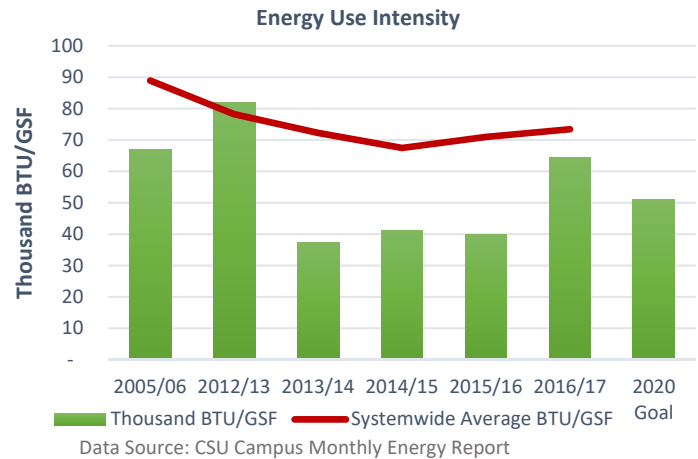


# Maritime Academy - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University Maritime Academy since 2005.

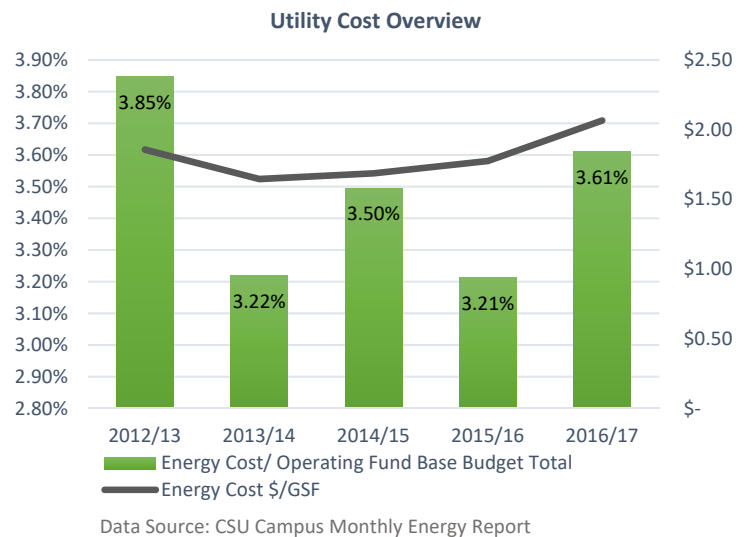
**During these 5 years:** Energy Use Intensity at California State University Maritime Academy has steadily decreased and the campus achieved less than a 3% reduction in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

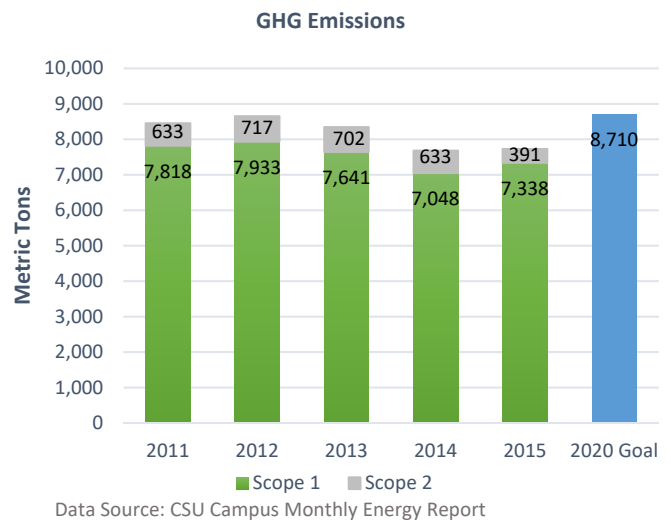
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's gross institutional expenditures and the utility cost per gross square feet.

**During these 5 years:** California State University Maritime Academy spent \$1.50/GSF on energy in FY 16/17, has decreased fifty cents since FY 12/13. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget was at its highest in FY 12/13.



## Campus GHG Emissions

**During these 5 years:** California State University Maritime Academy Scope 1 GHG emissions area has decreased 6% and Scope 2 GHG emissions has decreased a 4% since 2011.

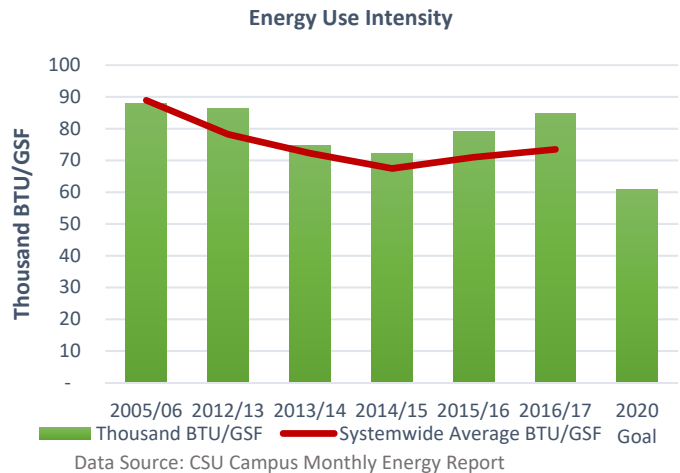


# Monterey Bay - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Monterey Bay since 2005.

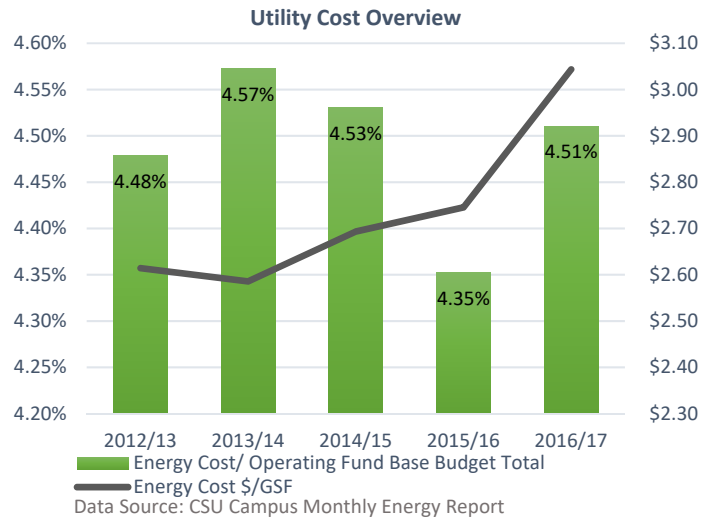
**During these 5 years:** Energy Use Intensity at California State University, Monterey Bay has decreased and the campus achieved a 3% reduction in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

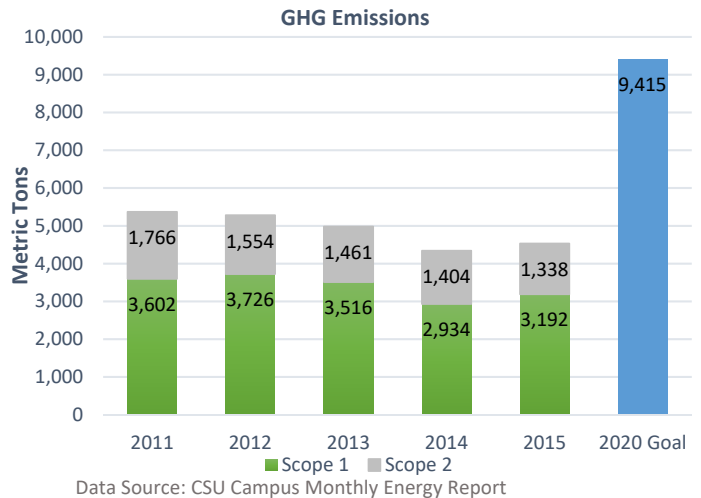
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's gross institutional expenditures and the utility cost per gross square feet.

**During these 5 years:** California State University, Monterey Bay spent \$2.90/GSF on energy in FY 16/17, has increased since FY 15/16. The percentage of Energy Cost/Operating Fund Base Budget has remained under the 5% of GIE.



## Campus GHG Emissions

**During these 5 years:** California State University, Monterey Bay Scope 1 GHG emissions area has decreased over 10% and Scope 2 GHG emissions has decreased nearly 25% since 2011.

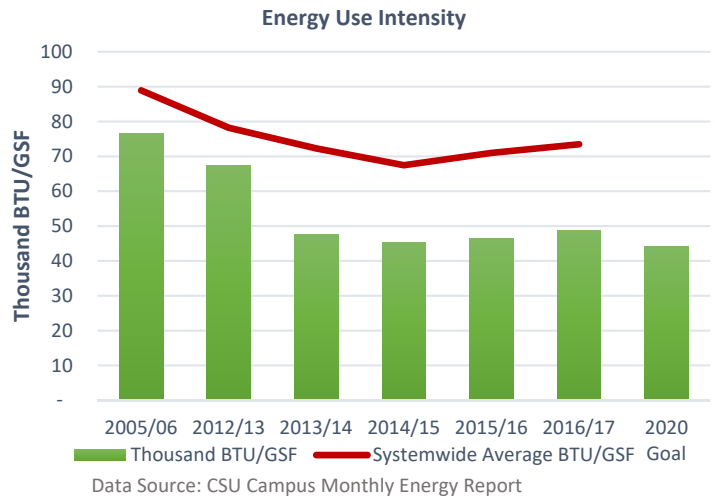


# San Bernardino - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, San Bernardino since 2005.

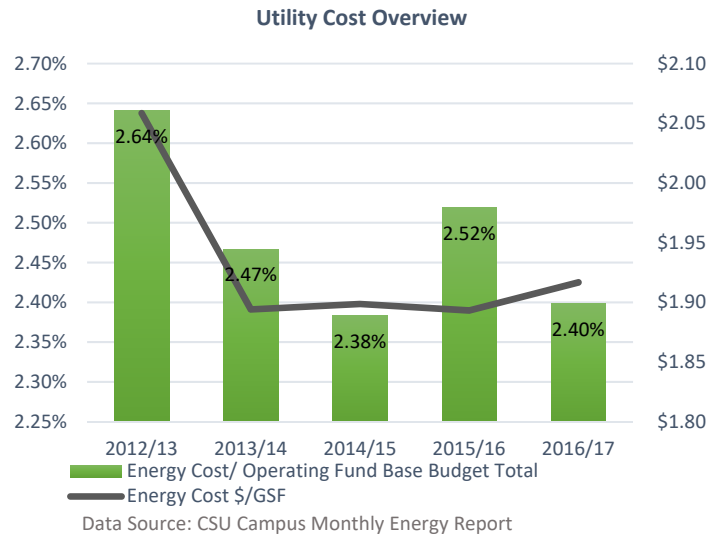
**During these 5 years:** Energy Use Intensity at California State University, San Bernardino has steadily decreased and the campus achieved more than a 30% reduction in energy use intensity.



## Campus Energy Cost Overview

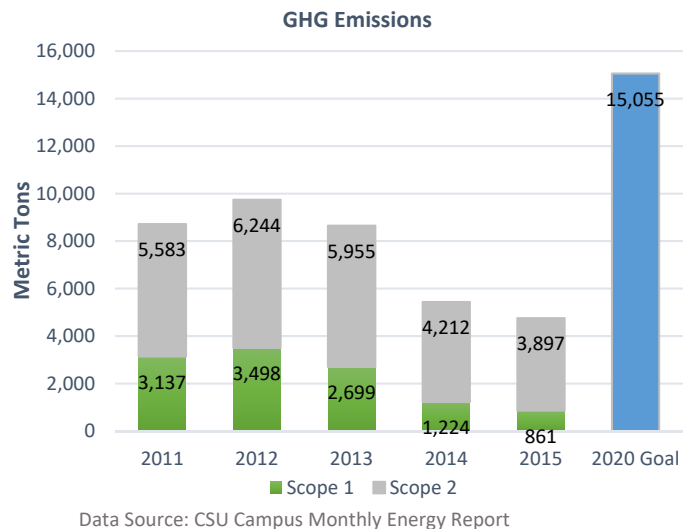
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's gross institutional expenditures and the utility cost per gross square feet.

**During these 5 years:** California State University, San Bernardino spent \$1.90/GSF on energy in FY 16/17, has decreased since FY 12/13. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget was at its highest in FY 12/13.



## Campus GHG Emissions

**During these 5 years:** California State University, San Bernardino Scope 1 GHG emissions area has decreased over 70% and Scope 2 GHG emissions has decreased 30% since 2011.

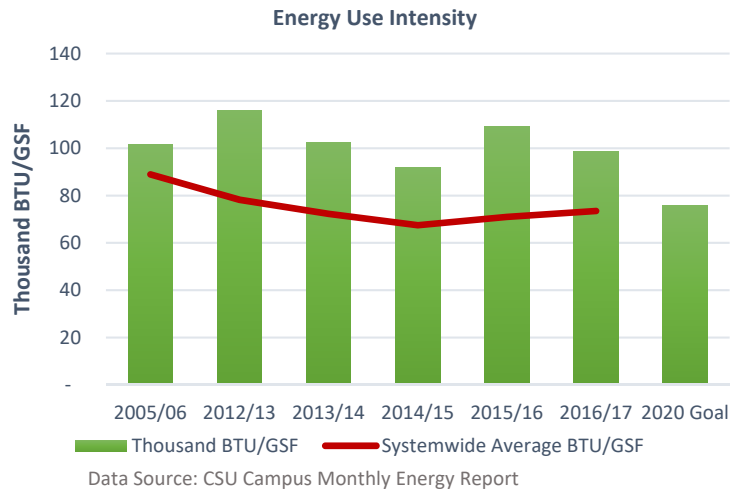


# San Diego - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at San Diego State University since 2005.

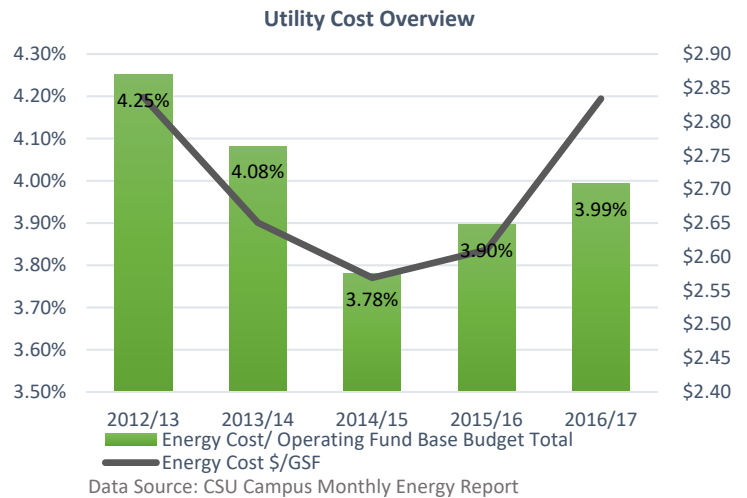
**During these 5 years:** Energy Use Intensity at San Diego State University has achieved less than a 3% reduction in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

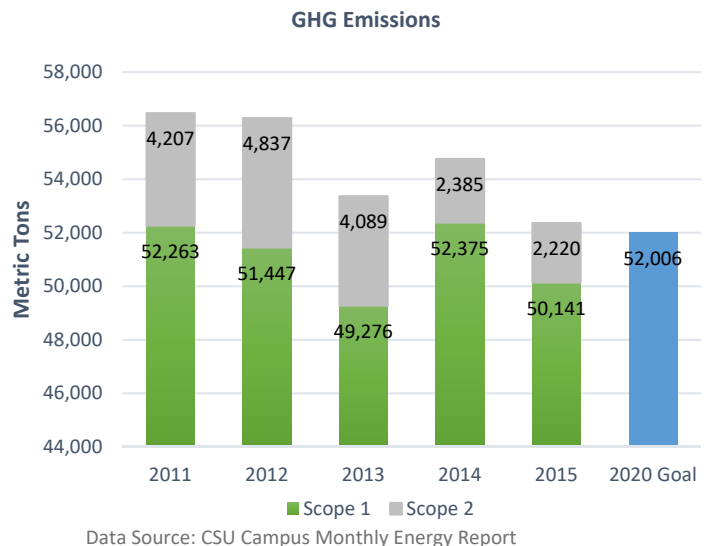
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** San Diego State University spent \$2.70/GSF on energy in FY 16/17, increased from FY 15/16. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget reached its lowest in FY 14/15.



## Campus GHG Emissions

**During these 5 years:** San Diego State University Scope 1 GHG emissions area has decreased 4% and Scope 2 GHG emissions has decreased over 40% since 2011.

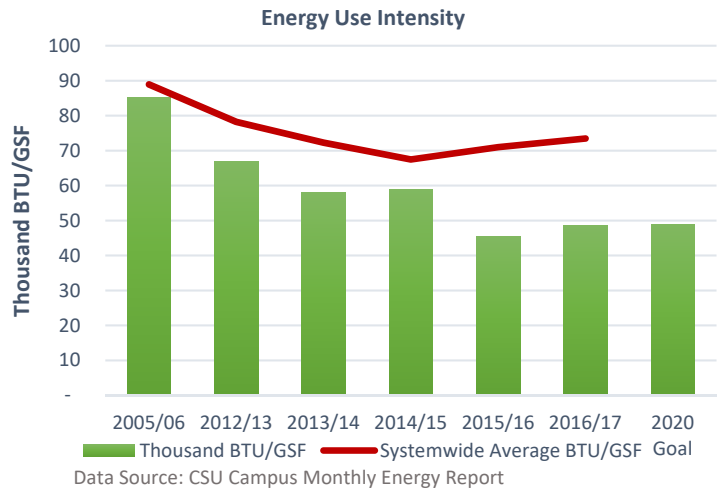


# San Francisco - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at San Francisco State University since 2005.

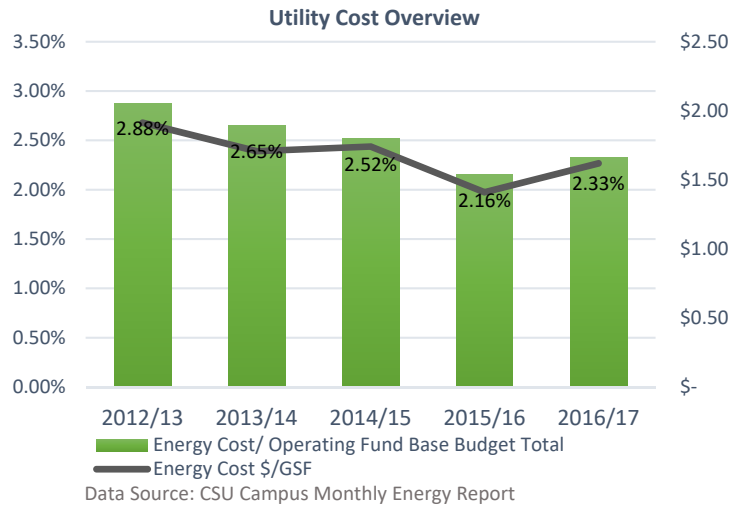
**During these 5 years:** Energy Use Intensity at San Francisco State University has steadily decreased and the campus achieved more than a 30% reduction in energy use intensity.



## Campus Energy Cost Overview

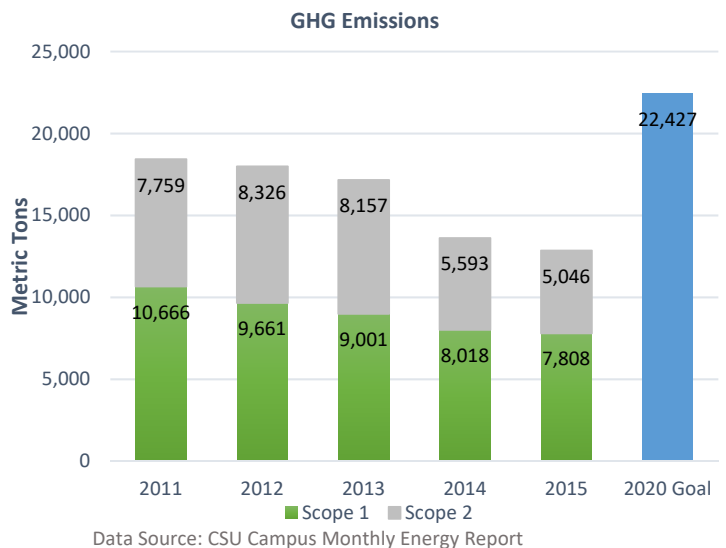
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** San Francisco State University spent over \$1.50/GSF on energy in FY 16/17, has increased since FY 15/16. The percentage of Energy Cost/Operating Fund Base Budget has remained under the 3% of GIE.



## Campus GHG Emissions

**During these 5 years:** San Francisco State University Scope 1 GHG emissions area has decreased over 25% and Scope 2 GHG emissions has decreased an 35% since 2011.



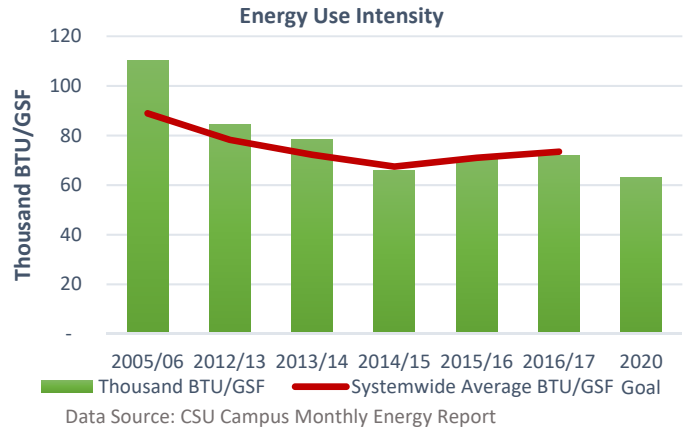


# San Jose - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at San Jose State University since 2005.

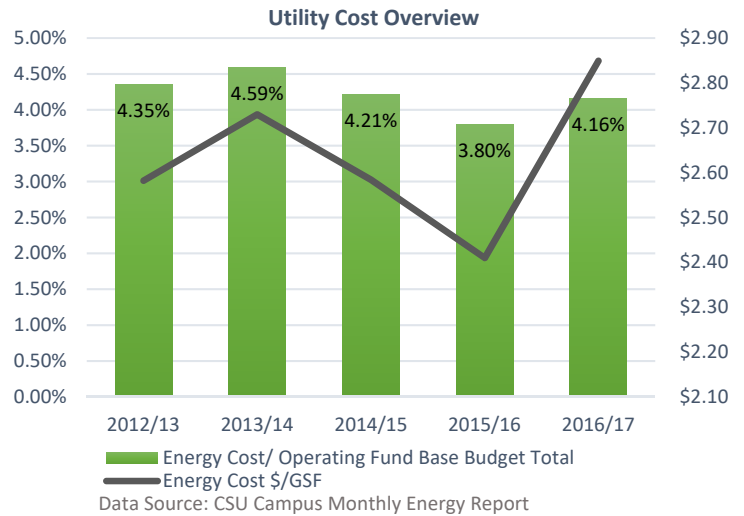
**During these 5 years:** Energy Use Intensity at San Jose State University has steadily achieved less than a 3% reduction in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

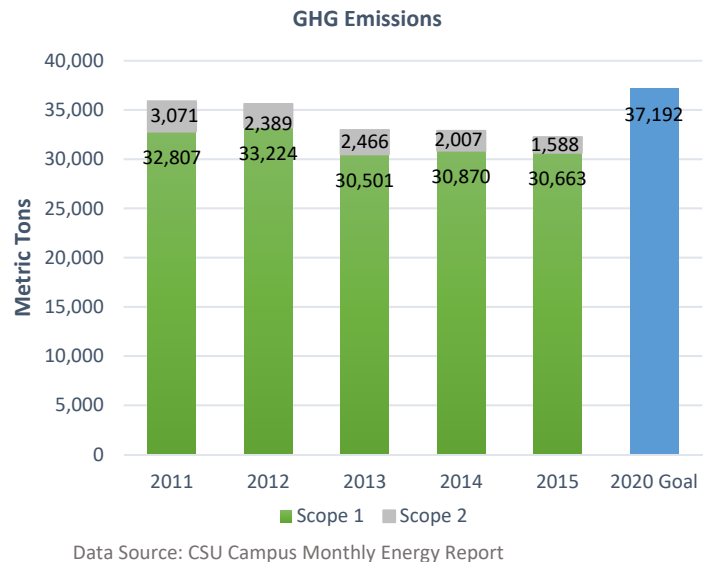
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** San Jose State University spent more than \$2.70/GSF on energy in FY 16/17, increased five cents from FY 15/16. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget was at its highest in FY 13/14.



## Campus GHG Emissions

**During these 5 years:** San Jose State University Scope 1 GHG emissions area has decreased over 5% and Scope 2 GHG emissions has decreased 48% since 2011.

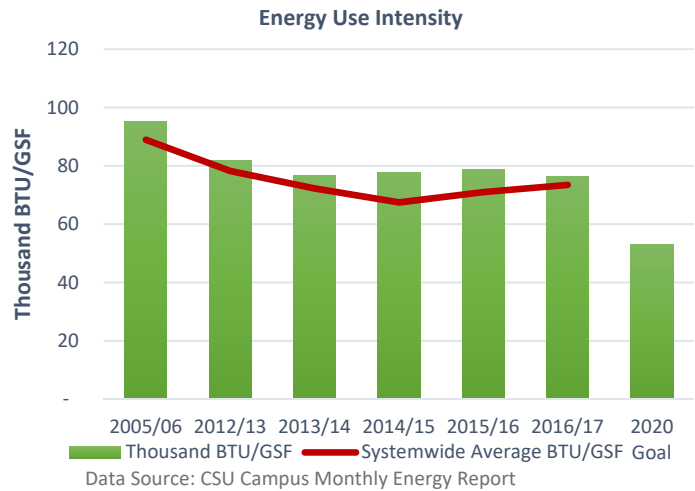


# San Luis Obispo - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California Polytechnic State University, San Luis Obispo since 2005.

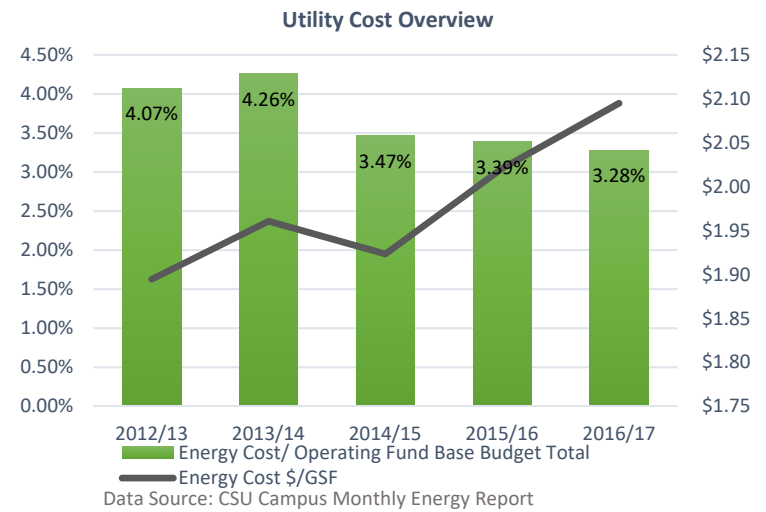
**During these 5 years:** Energy Use Intensity at California Polytechnic State University, San Luis Obispo has achieved a 20% reduction in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

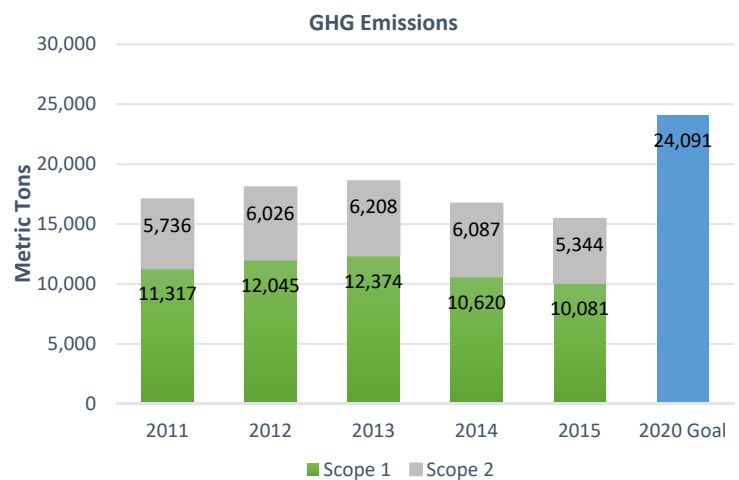
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** California Polytechnic State University, San Luis Obispo spent over \$2.00/GSF on energy in FY 16/17, has decreased since FY 15/16. The percentage of Energy Cost/Operating Fund Base Budget has reached its lowest of 3.28% of GIE.



## Campus GHG Emissions

**During these 5 years:** California Polytechnic State University, San Luis Obispo 1 GHG emissions area has decreased over 10% and Scope 2 GHG emissions has decreased an 7% since 2011.

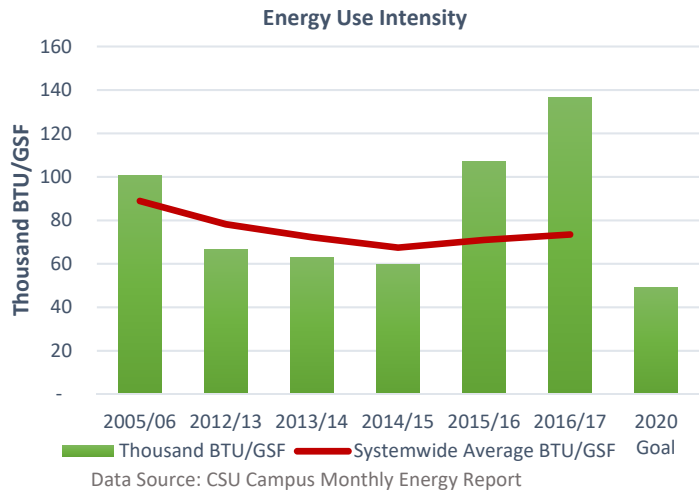


# San Marcos - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, San Marcos since 2005.

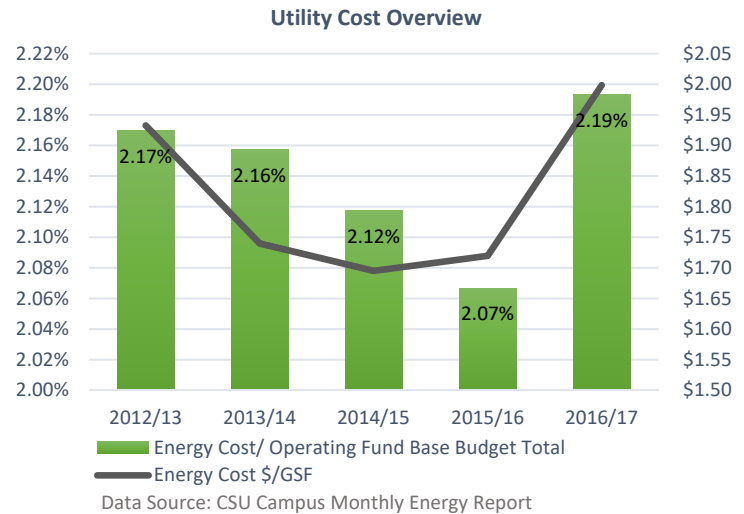
**During these 5 years:** Energy Use Intensity at California State University, San Marcos has increased 30% in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

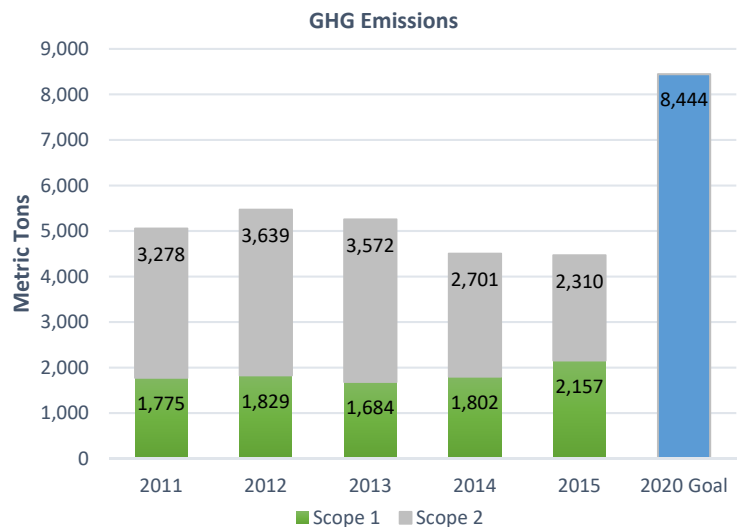
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** California State University, San Marcos spent over \$1.95/GSF on energy in FY 16/17, has increased since FY 15/16. The percentage of Energy Cost/Operating Fund Base Budget has reached its highest of 2.19% of GIE.



## Campus GHG Emissions

**During these 5 years:** California State University, San Marcos Scope 1 GHG emissions area has increased over 20% and Scope 2 GHG emissions has decreased 30% since 2011.

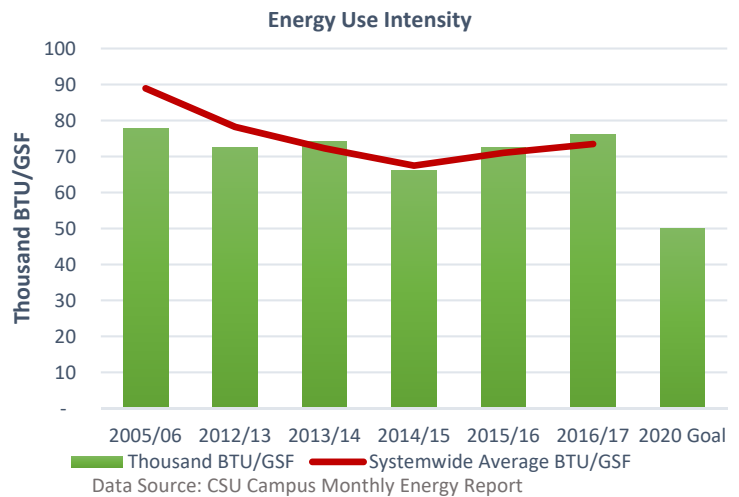


# Sonoma - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at Sonoma State University since 2005.

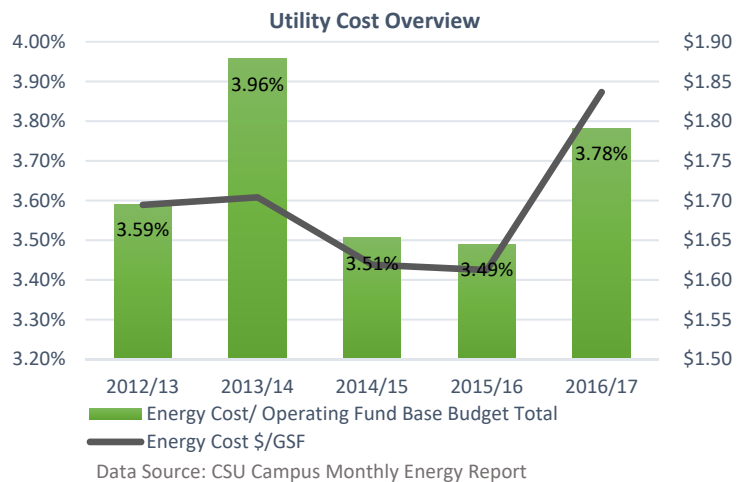
**During these 5 years:** Energy Use Intensity at Sonoma State University has remained within the same percentile in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

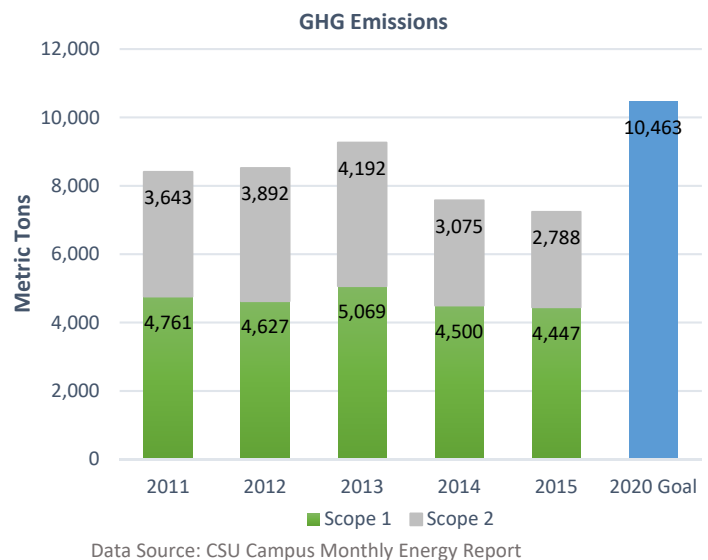
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** Sonoma State University spent \$1.80/GSF on energy in FY 16/17, has increased since FY 15/16. The percentage of Energy Cost/Operating Fund Base Budget reached its highest of 2.19% of GIE in FY 13/14.



## Campus GHG Emissions

**During these 5 years:** Sonoma State University Scope 1 GHG emissions area has decreased 6% and Scope 2 GHG emissions has decreased over 20% since 2011.

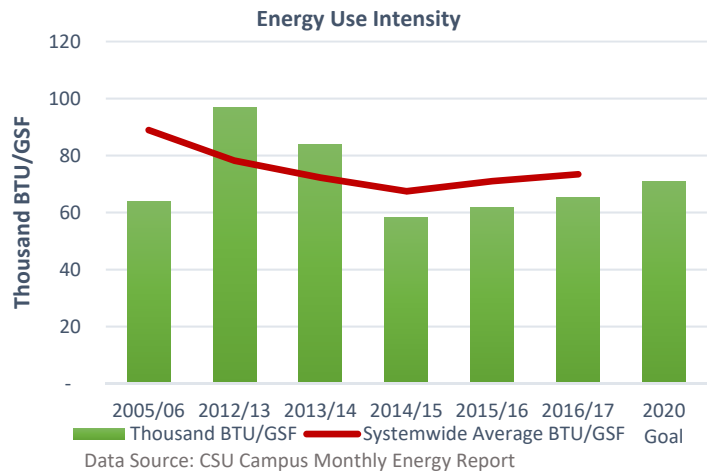


# East Bay - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, East Bay since 2005.

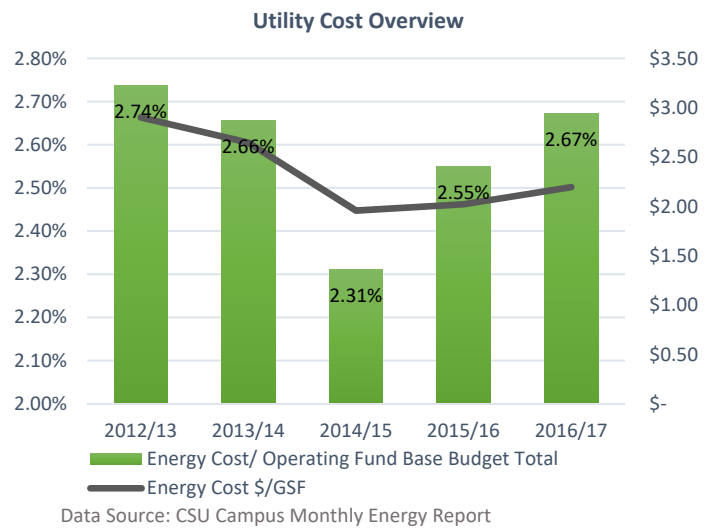
**During these 5 years:** Energy Use Intensity at California State University, East Bay has increased 30% in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

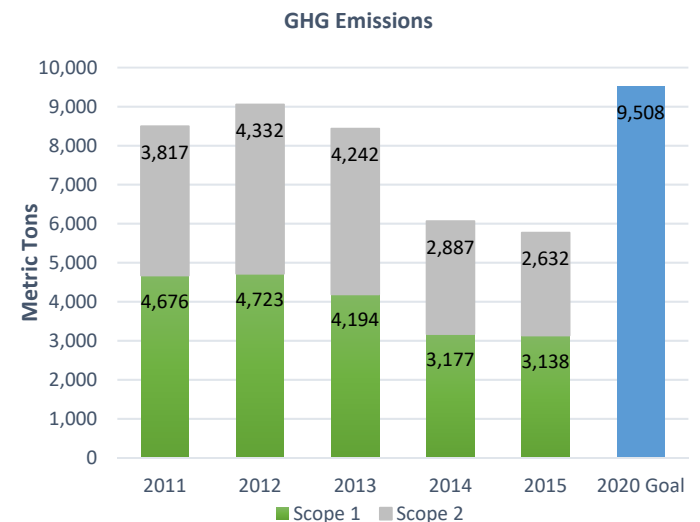
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** California State University, East Bay spent more than \$2.50/GSF on energy in FY 16/17, increased over fifty cents from FY 14/15. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget was at its lowest in FY 14/15.



## Campus GHG Emissions

**During these 5 years:** California State University, East Bay Scope 1 & 2 GHG emissions area has decreased over 30% since 2011.

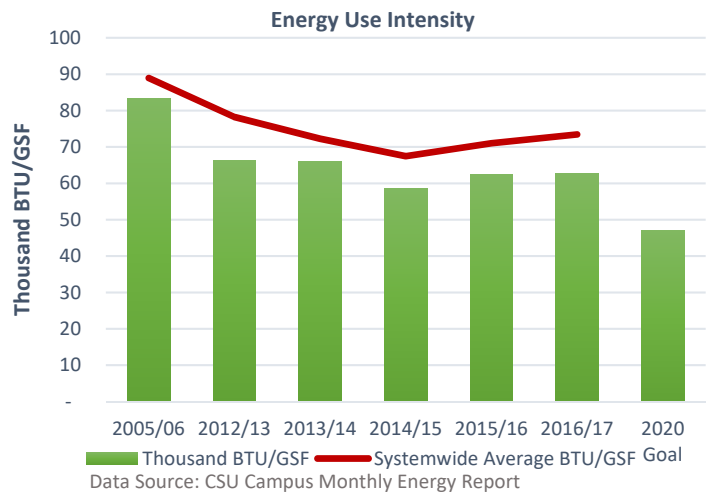


# Bakersfield - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Bakersfield since 2005.

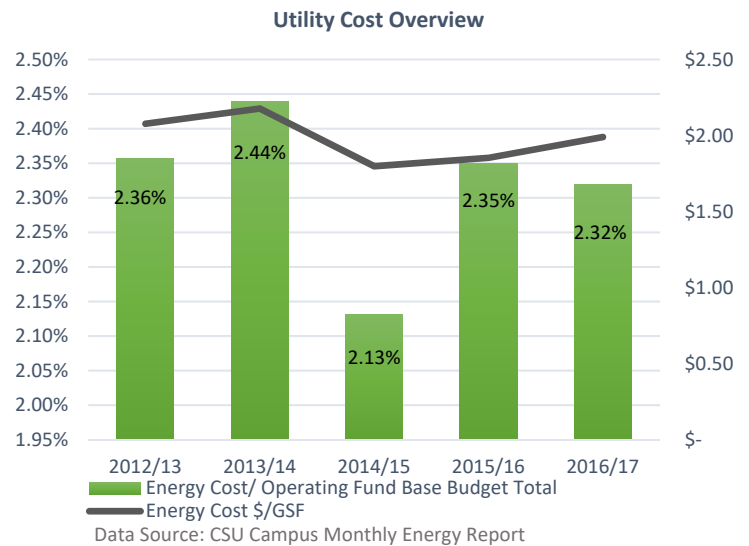
**During these 5 years:** Energy Use Intensity at California State University, Bakersfield has steadily decreased 20% in energy use intensity since FY 05/06.



## Campus Energy Cost Overview

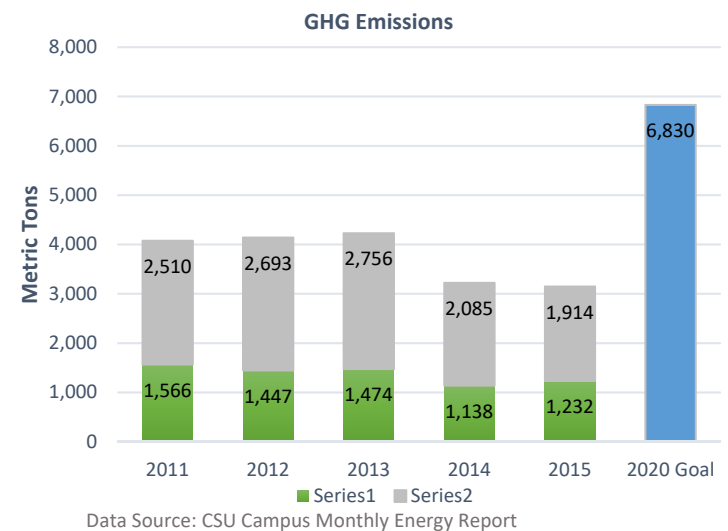
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's gross institutional expenditures and the utility cost per gross square feet.

**During these 5 years:** California State University, Bakersfield spent over \$1.50/GSF on energy in FY 16/17, has decreased since FY 15/16. The percentage of Energy Cost/Operating Fund Base Budget has remained under the 3% of GIE.



## Campus GHG Emissions

**During these 5 years:** California State University, Bakersfield Scope 1 GHG emissions area has decreased over 20% as well as Scope 2 GHG emissions, since 2011.

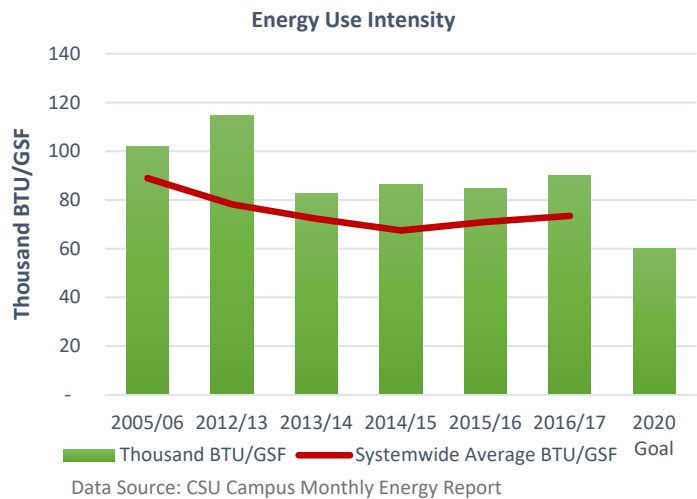


# Chico - Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Chico since 2005.

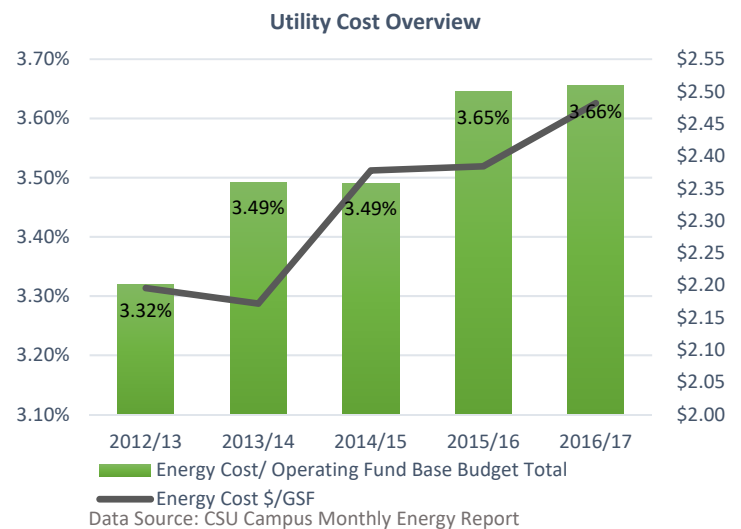
**During these 5 years:** Energy Use Intensity at California State University, Chico has decreased and the campus achieved a 10% reduction in energy use intensity.



## Campus Energy Cost Overview

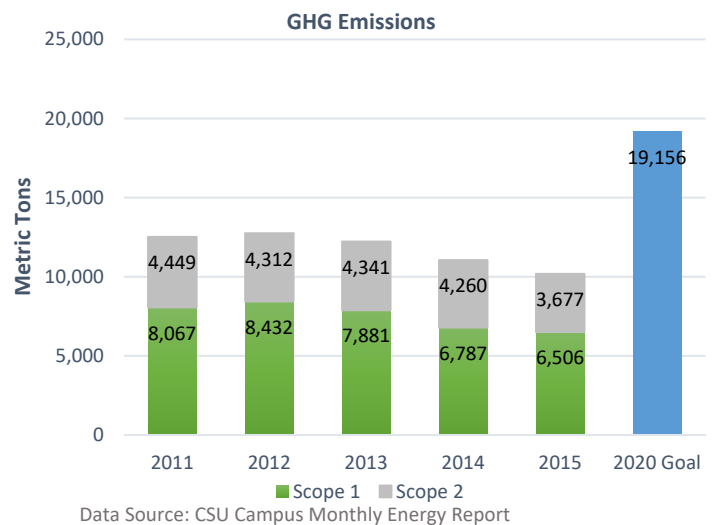
This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's gross institutional expenditures and the utility cost per gross square feet.

**During these 5 years:** California State University, Chico spent \$2.50/GSF on energy in FY 16/17, has reached its highest since FY 12/13. The percentage of Energy Cost/Operating Fund Base Budget has remained under the 3.70% of GIE.



## Campus GHG Emissions

**During these 5 years:** California State University, Chico Scope 1 GHG emissions area has decreased over 15% and Scope 2 GHG emissions has decreased 17% since 2011.

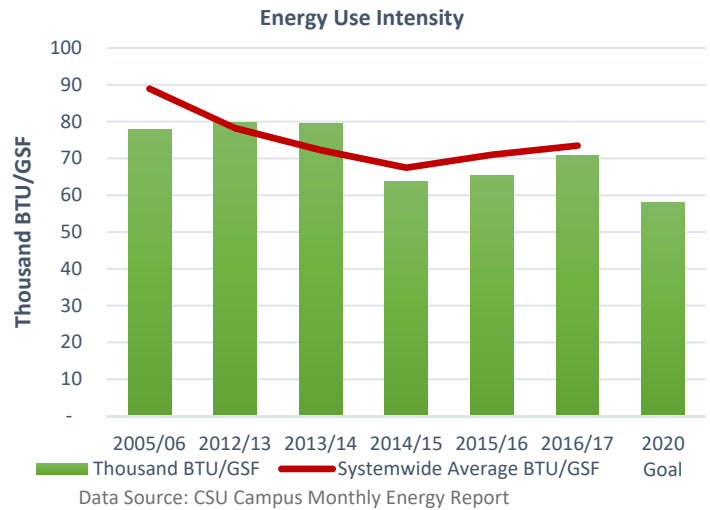


# Stanislaus – Energy Companion Report

## Campus Energy Use Intensity

This chart displays the trend of Energy Use Intensity at California State University, Stanislaus since 2005.

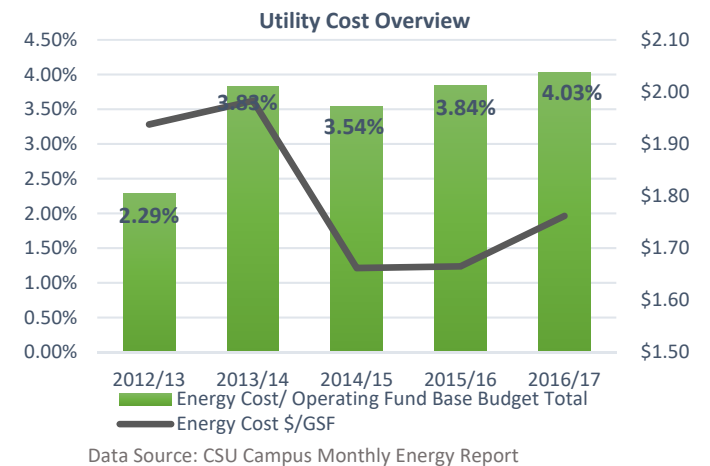
**During these 5 years:** the Energy Use Intensity at California State University, Stanislaus experienced a 7% reduction facility energy use intensity in FY 16/17 compared to 2005.



## Campus Energy Cost Overview

This chart shows a 5-year campus energy total expenditures trend by calculating the percentage of energy cost to campus's total operating fund base budget.

**During these 5 years:** California State University, Stanislaus spent \$1.76/GSF on energy in FY 16/17, a ten-cent increase from FY 15/16. Including utility purchase, the percentage of Energy Cost/Operating Fund Base Budget reached over the 4% in FY 16/17, an all time high for Stanislaus.



## Campus GHG Emissions

**During these 5 years:** California State University, Stanislaus Scope 1 GHG emissions has decreased 27% and Scope 2 GHG emissions has increased over 20% since 2011.

