SUSTAINABILITY AT PITZER COLLEGE

PRESIDENT'S COMMITTEE ON SUSTAINABILITY

- Established in Fall 2014
- Membership:
  - 2 students (elected)
  - 2 staff (appointed by Staff Council)
  - 2 faculty (appointed by FEC and Dean of Faculty)
  - Director of the Redford Conservancy
  - Sustainability Manager
  - Representatives from Facilities, Office of Student Affairs and Academic Affairs

CHARGE AND FUNCTIONS OF COMMITTEE ON SUSTAINABILITY

- Work with all Pitzer constituencies to reduce resource consumption:
  - 25% reduction of greenhouse gas emissions by 2016
  - Carbon neutrality by 2050
- Develop holistic plan for campus sustainability
- Contribute to discussions and decisions about activities and policies (including space development) with substantial sustainability impacts
- Oversee and evaluate programs and policies that foster sustainability (including new-student orientation)

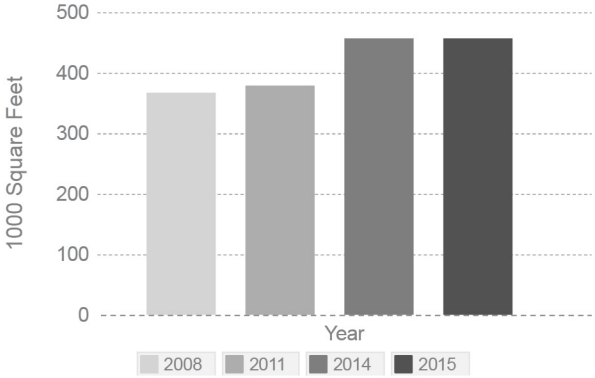
ENERGY AND RESOURCE USE

- Energy Audit completed
- Solar Master Plan completed
- Recommendation made to purchase Bonneville Energy Foundation's Pacific Northwest RECs (Renewable Energy Certificates) by December 31 2016, meeting goal of 25% reduction of greenhouse gas emissions

RESOURCE CONSUMPTION & EMISSIONS

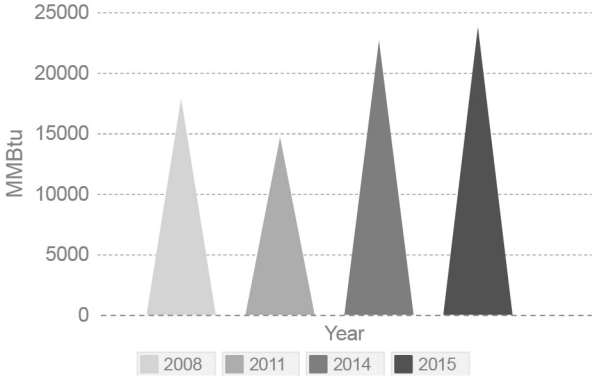
2008 - 2015

BUILDING SPACE



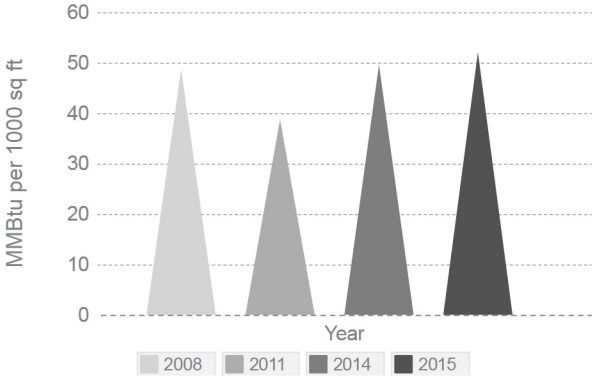
From 2008 - 2015, Pitzer's building square footage has increased by about 25%

NATURAL GAS



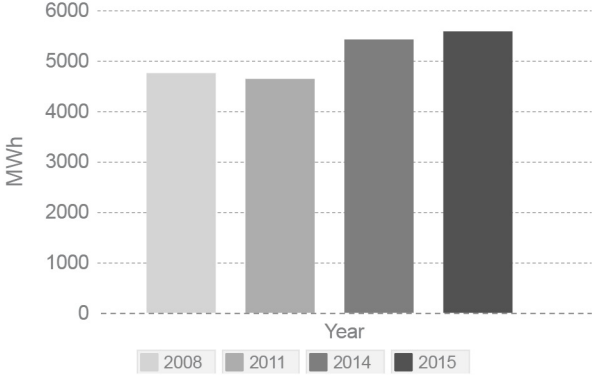
From 2008 - 2015, natural gas consumption increased by 33%

NATURAL GAS CONSUMPTION PER 1,000 SQ FT



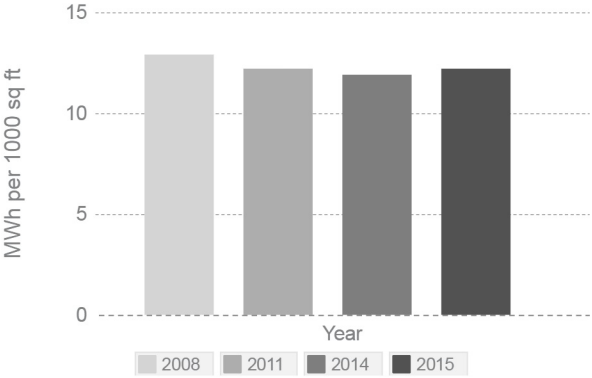
In 2015, consumption per 1,000 sq ft was 6.9% greater than in 2008

ELECTRICITY



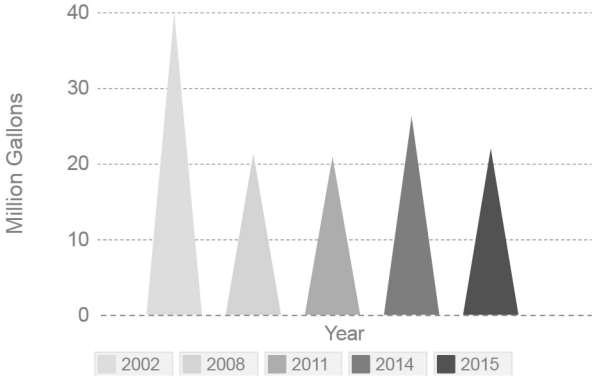
From 2008 - 2015, electricity consumption increased by 17%

ELECTRICITY CONSUMPTION PER 1,000 SQ FT



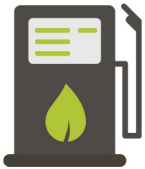
In 2015, consumption per 1,000 sq ft was 5.7% less than in 2008

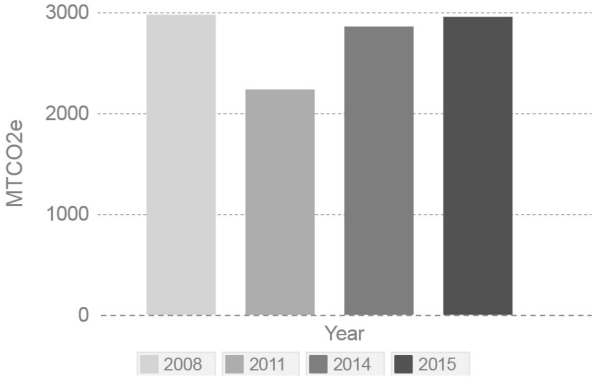
WATER



In 2015, Pitzer used 3% more water than in 2008. However, Pitzer used 45% less water in 2015 than in 2002.

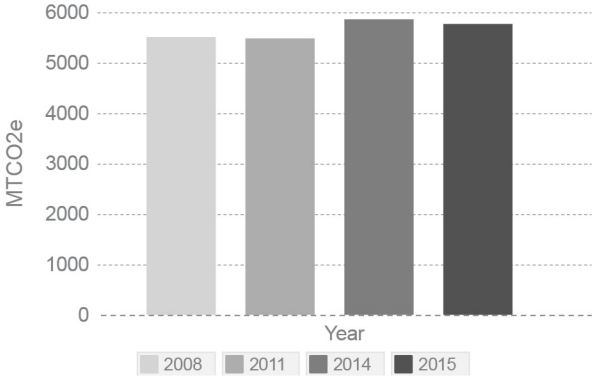
SCOPE 1 & 2 EMISSIONS





In 2015, Pitzer's scope 1 & 2 GHG emissions were 0.7% less than in 2008.
Per 1,000 square feet of building space, emissions were down nearly 20%.

TOTAL EMISSIONS



In 2015, Pitzer's total GHG emissions were 4.7% greater than in 2008

SUSTAINABILITY PROGRAMS

2015 - 2016

SELECT HIGHLIGHTS

STUDENT-LED INITIATIVES

-FOOD RECOVERY
- -Founded by seniors Amanda Chang & Ben Weintraub in December
- -Donated over 1,100 pounds of leftover food from McConnell

-BOTTLED WATER BAN
- -Student Senate unanimously approved Resolution 52-R-11
- -Recommends that the College discontinue sale of bottled water in vending machines, cease providing at College events & in McConnell pack-outs

CAMPUS WASTE REDUCTION

-ReROOM
- -Donations from Spring Collection ’15 filled four shipping containers
- -Held four sales in the ’15 - ’16 school year
- -Generated $5,696.17 in sales

-COMPOSTING
- -Dining hall staff has collected over 13,000 pounds of food since Feb. 1
- -Food waste is composted at Huerta del Valle & campus garden
- -Developed new signage and held a training with dining hall staff

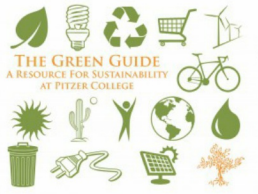
SUSTAINABILITY REPORTING

-CLIMATE LEADERSHIP COMMITMENT (ACUPCC)
- -Annual greenhouse gas emissions report
- -Biennial progress report

-STARS
- -Credits earned in four categories: Academics, Engagement, Operations, Planning & Administration
- -Gold rating (score of 66.85), valid for three years
- -Working towards Platinum rating (85+)

SUSTAINABILITY COMMUNICATIONS

-SUSTAINABILITY ORIENTATION
  -Presented during new student orientation in fall '15
  -Attendance will be mandatory moving forward



-THE GREEN GUIDE
  -Created by Lindsay McCord, in conjunction with Communications staff

SUSTAINABILITY COMMUNICATIONS

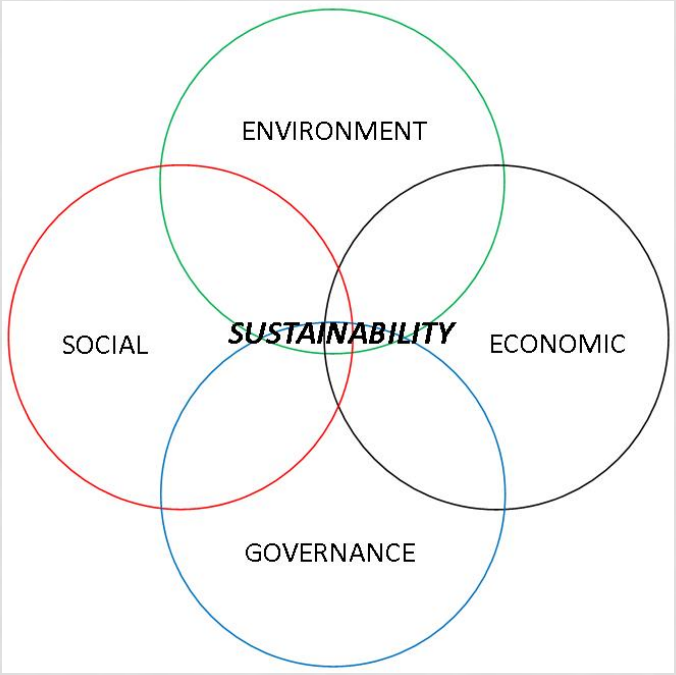
-PITZER SUSTAINABILITY WEBSITE & SOCIAL MEDIA
- -Central hub for sustainability resources and news
- -Sustainability/environmental jobs board
- -http://pitweb.pitzer.edu/sustainability/
- -Twitter account: @SustainablePZ

-STUDENT & ALUMNI NETWORKING
- -Pitzer College Environmental Professionals LinkedIn Group for students and alumni (51 members)

PITZER'S DEFINITION OF SUSTAINABILITY, RATIFIED BY STUDENT SENATE, STAFF COUNCIL, AND FACULTY MEETING

In order to achieve sustainability, a system must be environmentally sound, socially just, and economically viable.

environment
society
economics
governance (college and consortial)



PROCESS OF RATIFYING SUSTAINABILITY DEFINITION

Fall 2015 – Spring 2016
Sustainability Definition drafted by Sustainability Committee
in consultation with:
Student Sustainability Committee, Staff Council, FEC, BIC, APC,
CEC Steering Committee,
and Redford Conservancy Planning Committee

Spring 2016
Endorsed by
Student Senate
Staff Council
Faculty Meeting

Presented at
College Council

Fall 2016
Presentation to College Council for Vote

Adoption and addition to Faculty Handbook

Endorsement by the Board of Trustees

KECK SCIENCE SPACE PLANNING

- Sustainability as one of five guiding principles of Keck Science building renovation and construction
- Building should be an active learning opportunity
- Energy efficiency in laboratories & classrooms
  - daylighting
  - natural ventilation
  - life-cycle costs

AMERICAN CAMPUSES ACT ON CLIMATE PLEDGE

Pledge calling for an ambitious agreement at the United Nations Climate Change Conference (Paris 2015)

"Building upon the College's Carbon Commitment to reduce emissions by 25 percent (relative to 2014) by the end of 2016 and its history of environmental activism, Pitzer pledges to:

- Achieve a STARS rating of Gold
- Adopt an institutional definition of sustainability that nurtures environmental and social sustainability throughout the College"

REDFORD CONSERVANCY UPDATE

PROGRAMMING

PROGRAMMING

PROGRAMMING

PLANNING UPDATE

TIMELINE

- February-July 2016: Detailed Design Phase
  - Agency Permits
  - City of Claremont Review Meetings
  - Cost assessments
  - Supplemental reports
- September 2016: Bid for contractor and start renovation
- Fall 2016-Summer 2017: Renovation
- Fall 2017: Opening ceremony
- Spring 2018: Classes held on site

IDEAS AND SUGGESTIONS?

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