

Zero Net Energy

Division of Student Affairs
UC Santa Barbara

Student Affairs Strategic Plan

1. LEED Platinum for Existing Buildings
2. Zero Net Energy (ZNE):

Energy efficiency improvements combined with on site energy generation that results in no net purchases from the electrical or gas grid on an annual basis.

Student Affairs consists of:

- *Admissions*
- *Registrar*
- *Financial Aid*
- *Student Health Services*
- *Counseling and Career Services*
- *Student Life*
- *Recreation Center*
- *Several other departments and services*

Student Affairs building portfolio

<u>Facility</u>	<u>Sq. Ft.</u>
• Recreation Center / Aquatics Complex	170,000
• Intercollegiate Athletics	43,770
• Cheadle Hall	12,183
• Student Resource Building	70,981
• Counseling and Career Services	16,225
• Student Health Center	41,276
• Orfalea Children's Center	15,521
• Student Affairs and Admin. Services	35,802
• Arts and Lectures	3,000
• Associated Students/MCC/GSA	22,715

Total Square Footage

431,474

Student Affairs energy use

- 4.4 million kWh annually
- 350,000 therms annually
- Whole systems perspective:
 - energy efficiency
 - on-site renewable energy
 - importance of people (building occupants)

Summary of Benefits of Moving to Zero Net Energy

- UCSB is location specific, long term horizon
- Campus leadership - first to achieve Zero Net Energy
- Fixed Cost to Financing ZNE Investments
- Eliminates risk to operating budget of Student Affairs
- 100% Use of Renewable Energy (Net)
- Transition Away from Fossil Fuels (GHG)
- Creates a Genuine Collaborative with Students on Green Issues (Renewable Energy Initiative)

