

**American Society of Civil Engineers
Los Angeles Section
2009 Awards**

Outstanding Sustainability Project
Poly Canyon Village
Cannon

This state-of-the-art complex at Cal Poly San Luis Obispo includes a recreation center, swimming pool, study rooms, knowledge center, and conference room. Poly Canyon Village doubled the number of available beds on campus and had a positive impact on student life.

The site for Poly Canyon Village consists of roughly 30 acres of gently to moderately sloping land. The project required two new access roads. The Southerly access road bridges over Brizzolara Creek with the use of a 36 foot diameter arch pipe system and required the approval of the ACOE and Fish & Game.



Poly Canyon Village will be the first LEED certified project on the Cal Poly campus and will be the largest LEED certified project in the CSU system. Sustainable design elements include:

- Storm water system allowing for ground water recharge and filtering with the use of a retention basin and bioswales
- Reduced water use by 30% after meeting the requirements of the Energy Policy Act of 1992
- Exceeds Title 24 energy conservation requirements
- Operable windows and natural ventilation
- Recycle 75% of the construction waste
- 10% of the total value of the materials in the project will be recycled
- 20% of the materials will be manufactured regionally
- Use of low emitting materials such as sealants, paint, carpet and composite wood products
- Daylight and views from 90% of the regularly occupied spaces
- Reduction of the number of buildings and footprint size while retaining the program bed number requirements
- Providing a co-gen system

Students occupying the new apartments will benefit from expansive views of the campus and the surrounding hillsides.

Much of the construction of the apartment units was based on modular, pre-fabricated panel systems that were pre-plumbed and wired offsite. This modular construction system greatly compressed the construction and allowed the contractor to beat both of the key delivery dates for the housing complex. The construction of the storm drainage system also took advantage of an existing basin which retains runoff and uses it for irrigation on other portions of the campus.