

# AIAOC De AIAOC Design Awards Performance Data Worksheet

Areas in Green are instructions.

1. BRIEF STATEMENT	
	In the space below list the energy efficiency and environmental performance goals for the project. These could be as simple as to comply with code minimum or as ambitious as to achieve zero net energy and/or eliminate all materials on the Living Building Challenge Red List. You are encouraged to describe environmental strategies throughout your design awards submittal materials .
	The Campus and the California University System (CSU) set ambitious goals for an elegant and inviting space that would also be a model of sustainability for the campus and region. The design takes advantage of the gateway location and site topography to showcase sustainable solutions for stormwater management, open space, water use and energy efficiency. The 67,000 SF building is the first LEED Platinum building in the CSU system. A Savings by Design participate that meets the 2015 requirements of the 2030 Challenge with an efficient system and envelope design (46% better than CBECs baseline) and a 147kWh photovoltaic rooftop system designed to meet 24% of the project's energy needs.

2. ENERGY EFFICIENCY					
<b>Projects in California</b> (Complete section A <u>or</u> B. Complete C only if applicable.)	<b>A. Modeled Performance for California Projects (If you complied using a computer model.)</b>				
	Enter information from the Title 24 Building Energy Standards compliance report below. If you complied under 2013 Title 24, refer to form CF-1R-PERF for Residential Bldgs and NRCC-PRF for Nonresidential & Highrise Residential Bldgs.				
	<b>Year of Title 24 Standard Used</b>	<b>Energy Budget of Baseline Bldg (Code Min) in kBtu/sf/yr</b>	<b>Modeled Performance Of Your Design in kBtu/sf/yr</b>	<b>Percent Savings Beyond Code Minimum</b>	
	2009	284.74 kBtw/sqft-yr	190.65 kBtu/sqft-yr	33.0% below baseline	
	<b>B. Prescriptive Compliance for California Projects (If you did NOT comply using a computer model.)</b>				
	<b>Year of Title 24 Standard Used</b>	In the <i>prescriptive compliance path</i> , individual building components meet minimum requirements. If your project complied prescriptively, but your goal was to exceed minimum performance, enter the year of standard at left and briefly describe your energy efficiency strategy below.			
<b>C. Measured Performance for California Projects (If Available)</b>					
If you have measured data showing actual energy use for 12 months, enter it below as Energy Use Intensity (EUI) in kBtu/sf/year.					
NA					

<b>Projects Outside of California</b> (Complete section E <u>or</u> F. Complete G only if applicable.)	<b>E. Modeled Performance for Non-California Projects (If you complied using a computer model.)</b>			
	Enter information from the energy compliance report below. Your engineer or energy modeler should be able to provide this information.			
	<b>Year of Title 24 Standard Used</b>	<b>Energy Budget of Baseline Bldg (Code Min) in kBtu/sf/yr</b>	<b>Modeled Performance Of Your Design in kBtu/sf/yr</b>	<b>Percent Savings Beyond Code Minimum</b>
	<b>F. Prescriptive Compliance for Non-California Projects (If you did NOT comply using a computer model.)</b>			
	<b>Standard and Year of Standard</b>	Some projects comply via the <i>prescriptive path</i> , where individual building components and equipment must meet minimum requirements. If your project complied prescriptively, but your goal was to exceed minimum performance, briefly describe what you did below.		
<b>G. Measured Performance (If Available)</b>				
If you have measured data showing actual energy use for 12 months, enter it below as Energy Use Intensity (EUI) in kBtu/sf/year.				

<b>3. RENEWABLE ENERGY &amp; NET ENERGY USE (If Applicable)</b>			
	If the project includes renewable energy, either on-site or through a purchase of off-site renewable energy, provide information on source, annual output, and net energy consumption.		
<b>Renewable Source</b>	<b>Annual Renewable Energy Production</b>	<b>Net Energy Consumption</b>	<b>Modeled or Actual Data</b>
147 kWh Photovoltaics system on roof	147,364 kWh annually	144.89 kBtu/sf-yr (57.00% below T-24 baseline)	Modeled

#### 4. WATER EFFICIENCY, REUSE, AND MANAGEMENT (If Applicable)

California water efficiency standards are part of Title 24, Part 11, typically referred to as CalGreen. If your project achieved performance significantly beyond CalGreen minimum requirements, or incorporates innovative water efficiency, reuse, and management strategies and/or equipment, concisely describe them below.

On a tight 2.2-acre site the unique design leaves 73% of the site as open space creating an elegant natural system where 100% of stormwater is treated with bioswales and infiltration basins that recharge the aquifer. The landscape plantings are native or drought tolerant and coupled with a smart irrigation system reduce irrigation demand by 52%. New low flow faucets, urinals, and dual flush toilets are 43% better than baseline design.

#### 5. MATERIAL USE & SELECTION FOR RESOURCE EFFICIENCY & HEALTH (If Applicable)

Briefly describe *exemplary* steps you took related to material use and selection. Examples might include exemplary performance in use reduction or reuse, incorporation of life cycle assessment and environmental product declarations, occupant and environmental health criteria & avoidance of chemical hazards, embodied energy and carbon, among many others.

The exterior skin of precast concrete, metal panels and Low E glass create a low to no maintenance exterior with high envelope performance. 50% of the materials and products were extracted or manufactured within 500 miles of the site. All paving and planting materials sourced less than 200 miles from the site with 85% of the construction waste was diverted from landfills. Indoor-outdoor courtyard formed by the building's geometry create biophilic element of breezes, shade and shadow. Operable windows provide natural ventilation and framed views unique to each window. Low-VOC and low-odor paints advance a healthy indoor environment quality, and carpeting minimizes indoor air contaminants.