

Sustainability Quarterly Update

Data

- April through August 2017, GCCCD is at 20.1% cost avoidance, which is slightly (1.5%) less than cost avoidance average April 2016-March 2017.

Initiatives

- Continued weekly audits and reporting on findings which have resolution
- Solar initiative research and analysis
- Computer lab shutdowns and outreach; new shutdown checklists to be posted
- Lighting schedule update at Cuyamaca – B building to save almost \$4,000 annually in lighting costs during unoccupied hours
- Water conservation pilot test at Cuyamaca- Rainbird flow meter installation to provide interval data regarding water usage
- Sustainability Plan for review, prioritization, and timeline discussion

Proposals

- There is a 14-21 year payback period on solar, depending on which company we go with
- GCCCD stands to have positive cash flow between 30-66 million over 30 years depending on system size and finance choices
- There are two companies who are offering competitive, and trustworthy, solar systems

Borrego (Preliminary)

	Grossmont I	Grossmont II	Cuyamaca
System Size	921.6 kW	3837.6 kW	1022.4 kW
Offset	19%	75%	39%
Cost	\$3,065,019	\$10,793,830	\$2,764,594
O&M Costs (30 years)	\$678,729	\$2,719,008	\$856,212
Total cost (including O&M)	\$3,743,748	\$13,512,838	\$3,620,806
Avoided Bill (30 years)	\$8,525,760	\$20,822,675	\$14,770,707
Cumulative Cash Flow (30 years)	\$4,783,012	\$7,309,818	\$11,149,901

SunPower (Preliminary)

	Cash Purchase (with CREBS)	PPA
System Size Grossmont	3.64-4.04 MWdc	
System Size Cuyamaca	1.84-2.05 MWdc	
Offset	90% cumulative	
Cost	\$32,976,931	\$36,377,934
O&M Costs (25 years)	\$2,734,445 (included above)	Included
Avoided Cost Savings (25 years)	\$77,753,501	\$77,753,501

*Assumed CREBS amount is \$24,725,400