

# College of Alameda

## Carport Solar Project Concept

System Size: 700 kW  
 Production (Est.): 915,000 kWh  
 Budgetary Cost (Est.): \$4,500,000  
 Avoided Utility Cost: \$118,000/year  
 Rebates (5 years, Est): \$220,000/year



### Expected Production

Month	Total kWh
Jan	36,788
Feb	49,909
Mar	71,826
Apr	90,853
May	108,830
Jun	112,735
Jul	115,038
Aug	102,344
Sep	84,700
Oct	65,287
Nov	42,480
Dec	34,148
<b>Total</b>	<b>914,938</b>

- Studied by Chevron Energy Solutions in 2007
- Last year, COA used 3,160,000 kWh of electricity
- Solar carports will reduce electricity use by ~30%!
- Possible Financing through CREBs\* or a future bond measure.
- Job-Shadowing and Curriculum Development to be included in RFP
- CCLC† to provide technical assistance on procurement

\* CREB: Clean Renewable Energy Bond

† CCLC: Community College League of California