

**FACILITIES COMMITTEE
SEPTEMBER 7, 2006
MINUTES**

CONSTITUENT	MEMBER	ALTERNATE
Chair, Facilities Director	Allan Hansen	
Academic Senate	Rod Patterson	Absent
Administrators	Paul Stansbury	Absent
	John Oester	
	Lawrence Jarmon, (Rep for VP Student Services)	
ASO Representative	Greg Jennings	Absent
UNION -AFT Certificated	Elisabeth Jordan	
UNION -AFT Staff	Lorraine Patriarca	
	Christina Misner	
UNION -SEIU 347	Abel Rodriguez	Absent
Resources (Non Voting)	Lloyd Thomas	
GUESTS	Mark Rocha, President	
	Bob Miller, Turner	
	Steven Jacobson, Turner	
	Ali Hussian	
	Brian Larson, Ameresco	
	Bharat Patel	

Only agenda item was the presentation on the Photo Voltaic proposal from Ameresco. Handout of PowerPoint presentation.

GENERAL INFORMATION

District suggested that Ameresco bring the costs down.

Adding 50% more energy load. Proposal lowers our amount of electricity from Edison.

Could use Community College Foundation to pay for capital expenditures. \$2.5 million grant available from Edison. State tax incentive of 30%. The size cannot be over one mega watt to get the incentive. College would need to fund the operational cost.

Costs in the presentation are based on today's consumption, not with the Central Plant. Information is based on climatic data for our location. Loyola has the same climate as West and has photo voltaic.

Photo voltaic will tie into curriculum. Kiosk beside each photo voltaic building showing usage and the difference when it drops because of a cloud. Creates student interest.

PROPOSED LOCATIONS

Parking Lot 7 With carports facing south to benefit from sunlight. 750 kw

Parking Structure Install modules. 212 kw

PE building Modules on rooftops slanted to the south. 130 kw

Output capacity (DC) reduced from 1092 kw to 592 kw. Utilizes the area more effectively.
Overall system kw output capacity (AC): 494

CONSTRUCTION SCHEDULE

Estimated timeline

- Design and documentation 26 weeks maximum
- DSA review 18-36 weeks
- Construction 16 weeks maximum
- Would construct carport structure in summer 2007.

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OPTIONS

PV Project Financials (slide 9) shows the cost difference between the 1092 kw PV system and the 592 kw.

- Option 1: Ameresco builds it, runs it, and is totally responsible.
- Option 1A: \$2.5 million required. Ameresco gets rebate.
31 cents kw per hour. If usage is constant, 11 cents kw hour.
- Option 2: College finds funding. Ameresco builds and guarantees output.
College owns it. College can maintain or opt for Ameresco to maintain.
- Option 3 & 4: One company builds it, another company maintains it.

MAINTENANCE

Maintenance monitors output and would recognize failure of component and would replace. The rest of the system continues to operate.

Training is necessary and is included in the contract. Also need a video tape of the training so new employees can be trained with the video.

GUARANTEES

Panel guaranteed for 25 years.
Inverter has a five or ten year warranty.

DAMAGE

Would need to add the Photo Voltaic to our insurance. Insurance would be responsible for any type of damage.

SAVINGS

Savings anticipated to be approximately \$181,000 the first year.

BOARD APPROVAL

Board approved design and development contract in November 2005. This project does not need to go back to Board.

NEXT STEP

Allan Hansen and John Oester will continue analysis and bring back a recommendation in four weeks.

Need to give decision to Edison by October 28 or lose the \$2.5 million.

Next meeting of the committee will be on Thursday, September 21, 8:30 a.m. in the PCR.