

MEASURE S & FACILITY UPDATE

**GLENDALE UNIFIED SCHOOL DISTRICT
Board of Education Meeting – February 19, 2013
Discussion Report No. 2**



**EVA RAE LUECK
CHIEF BUSINESS AND FINANCIAL OFFICER**

Citizens' Bond Oversight Committee

- Annual Report to the Community Presented to the Board on February 5, 2013
- Next Meeting – Monday, March 4, 2013

Superintendent's Facility Advisory Committee

- Meeting held Tuesday, February 12, 2013
- Agreement with SolarCity - *Supported*
- Approval of District-Wide Aquatic Center Schematic Design - *Supported*
- Approval of Amendment No. 1 for Hoover Field Lease-Leaseback Contract with Kitchell - *Supported*
- Next Meeting – Tentative – February 28, 2013



February 19, 2013

Facilities Safety Update

Common Site Upgrades

- **Elementary Schools***
 - Secured, Single Point Entry
 - Secured Main Office Window
 - Door Buzzer System
 - Office Camera System
 - Panic Button
- **Middle & High Schools***
 - Install or Upgrade Site Wide Camera Systems
 - Panic Button

* Some school sites already have some of these components



Facilities Security Update Cont'd

1st Grouping*

- **Balboa Elementary - *Bidding***
- **Cerritos Elementary - *Bidding***
- **Columbus Elementary - *Bidding***
- **Dunsmore Elementary - *Bidding***
- **Keppel Elementary - *Bidding***
- **Monte Vista Elementary - *Bidding***
- **Valley View Elementary – *Working***

* Remaining school sites will be coordinated with District Administration Staff



February 19, 2013

Phase I and II Solar Savings

Phase I and II Solar – Completed December 2012

- Anticipate Savings of \$226,646 for 2012/2013
- Example of Month-to-Month Comparison per Site

Site	January 2013	January 2012	Savings
Crescenta Valley High School	\$17,326	\$21,532	\$4,206
Monte Vista Elementary	\$1,579	\$2,702	\$1,123

Tonight's Agenda

Approval of Agreement with SolarCity

- PV Systems at Balboa, Fremont, and Marshall Elementary Schools \$1,556,385
- 25-Year Total Net Benefit to District \$519,378
- 25-Year Total Benefit to the General Fund is \$2,694,265
- Funded with Clean Renewable Energy Bonds (CREB's)

Glendale Unified School District Solar PV Project

131.04 kW-dc Balboa Elementary School Solar System

\$541,195

90.72 kW-dc Fremont Elementary School Solar System

\$404,611

147.84 kW-dc Marshall Elementary School Solar System

\$610,579

Net Savings Analysis

Solar System Contract Price =	\$1,556,385
Clean Renewable Energy Bond (CREB) Issuance Costs =	\$35,000
25-Year Inverter Warranty Costs =	\$120,477
Project Contingency Funds =	\$85,451
Total Solar System Cost =	\$1,797,313

Total System Size (kWp) =	369.60
Total Solar kWh Generated (First Year) =	564,420
Annual Rate of Solar PV Degradation =	0.50%
Average 1st Year Utility Avoided Cost Value of Solar (\$/kWh) =	\$0.127
Assumed Utility Annual Rate of Cost Escalation =	3.75%
Annual Rate of O&M Cost Escalation =	2.00%
% of Expected Solar Production Achieved =	100%
Clean Renewable Energy Bond (CREB) Net Interest Rate =	1.30%



February 19, 2013

Tonight's Agenda

Approval of Agreement with SolarCity

Year of Solar PV Operation	<u>Benefit:</u> Reduced Utility Electricity Costs	<u>Cost:</u> Operations & Maintenance Payments	<u>Cost:</u> CREB Interest Charges	Cumulative District Benefit/(Cost)
0				(\$1,797,313)
1	\$71,681	(\$4,594)	(\$35,048)	(\$1,765,273)
2	\$73,998	(\$4,687)	(\$22,270)	(\$1,718,233)
3	\$76,389	(\$4,780)	(\$21,009)	(\$1,667,633)
4	\$78,857	(\$4,876)	(\$19,731)	(\$1,613,383)
5	\$81,405	(\$4,972)	(\$18,437)	(\$1,555,387)
6	\$84,035	(\$5,072)	(\$17,126)	(\$1,493,549)
7	\$86,751	(\$5,173)	(\$15,797)	(\$1,427,769)
8	\$89,554	(\$5,277)	(\$14,452)	(\$1,357,944)
9	\$92,448	(\$5,383)	(\$13,089)	(\$1,283,968)
10	\$95,435	(\$5,490)	(\$11,709)	(\$1,205,732)
11	\$98,519	(\$5,599)	(\$10,310)	(\$1,123,123)
12	\$101,702	(\$5,712)	(\$8,893)	(\$1,036,026)
13	\$104,988	(\$5,826)	(\$7,458)	(\$944,322)
14	\$108,381	(\$5,943)	(\$6,004)	(\$847,889)
15	\$111,883	(\$6,061)	(\$4,532)	(\$746,599)
16	\$115,498	(\$6,182)	(\$3,040)	(\$640,322)
17	\$119,230	(\$6,306)	(\$1,528)	(\$528,927)
18	\$123,082	(\$6,433)	\$0	(\$412,278)
19	\$127,060	(\$6,561)	\$0	(\$291,779)
20	\$131,165	(\$6,693)	\$0	(\$167,307)
21	\$135,403	(\$6,825)	\$0	(\$38,728)
22	\$139,779	(\$6,962)	\$0	\$94,088
23	\$144,295	(\$7,102)	\$0	\$231,282
24	\$148,958	(\$7,244)	\$0	\$372,996
25	\$153,771	(\$7,389)	\$0	\$519,378
Years 1 - 25	\$2,694,265	(\$147,142)	(\$230,432)	\$519,378

25-Year Total Benefits	\$2,694,265
- 25-Year Total Costs	(\$2,174,887)
= 25-Year Total Net Benefits	\$519,378



Tonight's Agenda

Approval of Amendment No. 1 to Lease-Leaseback Contract for Hoover Field with Kitchell

- Phase II – Installation of Synthetic Turf Field and Related Site Work \$1,631,896
- Phase I and Phase II Total \$2,918,652

Award of Bid for 10G Network Equipment

- E-Rate Application Due by March 14
- Approval of E-Rate Application Discounts Equipment Purchases in 2013/2014
- Estimated Date of Approval: July 2013 – February 2014

Award of Bid for AV Control

- Bids Received February 2012
- \$940 Per Classroom for a Basic System (Voice Amplification, 2 Speakers)
- \$2,100 for a Complete System (Voice Amplification, 4 Speakers, Projector Control, IP Paging)
- Audio Visual Systems, Voice Amplification Systems, and Speakers as Needed



February 19, 2013

Future Agenda Items

- **Keppel ORG Lease-Leaseback Contract**



Future Agenda Items

- **District-Wide Aquatic Center Design**
- **Solar CEQA Recommendation to Board**
- **Franklin Interim Housing**



February 19, 2013