

# MEASURE S UPDATE

**GLENDALE UNIFIED SCHOOL DISTRICT  
Board of Education Meeting – December 11, 2012  
Discussion Report No. 1**



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

# Citizens' Bond Oversight Committee

- Meeting held Monday, October 22, 2012
- Montrose Christmas Parade – December 1, 2012
- Next Meeting – Monday, December 17, 2012

## Superintendent's Facility Advisory Committee

- Meeting held Tuesday, December 4, 2012
- Superintendent's Facility Advisory Technology Sub-Committee (SFATS)
  - Amendment of Agreement with Budlong & Associates - *Supported*
  - Additional Contract with Crescent Solutions - *Supported*
  - IDF Cabinets - *Supported*
- Hoover Lease-Leaseback Agreement - *Supported*
- Amendment to Project Authorization for College View - *Supported*
- Agreement with Borrego for Solar at Glendale & Roosevelt - *Supported*
- DSA Inspection Services for Hoover Field Lease-Leaseback - *Supported*
- Extension of CPM Contract - *Supported*
- Waste Management Consulting - *Reviewed*
- Next Meeting – Monday, January 7, 2013



# Energy Services Agreement Resolution No. 12

Per Government Code Section 4217.12, the Board of Education Must Perform Specific Economic Analysis and Make Specific Findings in order to Enter into any Energy Services Agreement. This Resolution Memorializes these Findings and Evidences the Public Hearing to Appropriately Procure Agreements with Borrego Solar Systems, Inc. ('Borrego') thereby Adhering to Government Code Section 4217.10.

<u>Cost and Value Specifications and Assumptions</u>	
Total System Size (kWp) =	695.52
Solar System Contract Price =	\$2,706,385
Contingency and Clean Renewable Energy Bond (CREB) Issuance Costs =	\$373,914
Total Solar System Cost =	\$3,080,299
Total Solar kWh Generated (First Year) =	1,088,963
Annual Rate of Solar PV Degradation =	0.50%
Average Glendale Water & Power Avoided Cost Value of Solar (\$/kWh) =	\$0.1228
Assumed Utility Annual Rate of Cost Escalation =	3.75%
Annual Rate of O&M and Performance Guarantee Cost Escalation =	3.00%
% of Expected Solar Production Achieved =	100%
Clean Renewable Energy Bond (CREB) Net Interest Rate =	1.30%



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# Glendale Unified School District Solar PV Project

427.72 kW-dc Glendale High School Solar System

268.80 kW-dc Roosevelt Middle School Solar System

## 25-Year Benefit / Cost Analysis

Year of Solar PV Operation	<u>Benefit:</u> Reduced Utility Electricity Costs	<u>Cost:</u> O&M and Performance Guarantee Payments	<u>Cost:</u> Extended Inverter Warranty Payments	<u>Cost:</u> CREB Interest Charges	Cumulative District Benefit/(Cost)
0					<b>(\$3,080,299)</b>
1	\$133,725	(\$10,088)		(\$59,130)	(\$3,015,793)
2	\$138,046	(\$10,391)		(\$37,572)	(\$2,925,710)
3	\$142,506	(\$10,703)		(\$35,444)	(\$2,829,351)
4	\$147,111	(\$11,024)		(\$33,289)	(\$2,726,553)
5	\$151,864	(\$11,355)		(\$31,105)	(\$2,617,148)
6	\$156,772	(\$11,695)		(\$28,893)	(\$2,500,965)
7	\$161,837	(\$12,046)		(\$26,652)	(\$2,377,827)
8	\$167,067	(\$12,408)		(\$24,383)	(\$2,247,550)
9	\$172,465	(\$12,780)		(\$22,083)	(\$2,109,948)
10	\$178,038	(\$13,163)	(\$54,464)	(\$19,754)	(\$2,019,291)
11	\$183,791	(\$13,558)		(\$17,394)	(\$1,866,453)
12	\$189,729	(\$13,965)		(\$15,004)	(\$1,705,693)
13	\$195,860	(\$14,384)		(\$12,583)	(\$1,536,799)
14	\$202,189	(\$14,815)		(\$10,130)	(\$1,359,556)
15	\$208,722	(\$15,260)	(\$51,491)	(\$7,645)	(\$1,225,230)
16	\$215,466	(\$15,718)		(\$5,128)	(\$1,030,610)
17	\$222,429	(\$16,189)		(\$2,579)	(\$826,949)
18	\$229,616	(\$16,675)			(\$614,008)
19	\$237,035	(\$17,175)			(\$394,148)
20	\$244,694	(\$17,690)			(\$167,144)
21	\$252,601	(\$18,221)			\$67,236
22	\$260,763	(\$18,768)			\$309,232
23	\$269,189	(\$19,331)			\$559,091
24	\$277,887	(\$19,911)			\$817,067
25	\$286,867	(\$20,508)			\$1,083,426
<b>Years 1 - 25</b>	<b>\$5,026,269</b>	<b>(\$367,819)</b>	<b>(\$105,955)</b>	<b>(\$388,769)</b>	<b>\$1,083,426</b>

<b>25 Year Total Benefits</b>	<b>\$5,026,269</b>
<b>- 25 Year Total Costs</b>	<b>(\$3,942,842)</b>
<b>= 25 Year Total Net Benefits</b>	<b>\$1,083,426</b>



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# Tonight's Agenda

## Approval of Agreement with MC Waste Consultants for Waste Disposal Consulting Services

- No-Cost Analysis of our Current Waste Disposal Services to Determine if Significant Cost Savings can be Realized
- If the District Elects to Implement any of the Recommendations, MC Waste Consultants is Entitled to Share 20% of the Net Avoided Costs for a 12-Month Period

## Amendment to Agreement with Capital Program Management Services

- Contract Authorization is only for a Time Extension of the Existing Contract
- Extend Existing Contract to June 30, 2013

## Amendment No. 1 to Project Authorization No. 16 with tBP Architects for the Design of College View School

- \$60,070 increase for Schematic Design Services Beyond those Performed During the Initial Assessment Effort
- \$12,289 Increase for Additional Pool Consultant Costs as Allowed in Master Agreement
- \$6,000 Increase for Solar Water Heating Consultant Costs
- Revised Architect's Fees for the Design Phase of this Project will Increase by \$78,359



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# Tonight's Agenda

## Approval of Lease-Leaseback Agreement for Kitchell to Provide Construction Services for Hoover High School Field Improvements and Site Development Project

- Facilities Staff and Kitchell have Developed a Guaranteed Maximum Price (GMP) of \$1,286,756 to Construct Phase 1 of the Field Project
- Phase 1: Installation of the Storm Water Management System, Underground Utility Connections, Fencing, Site Utilities, and Field Demolition.
- 40.1 Funds

## Approval of the Agreement with BPI Inspection Service for DSA Inspections on the Hoover High School Athletic Field & Site Development Project

- Hoover Field Inspection Services: \$82,080
- State Funds

## Approval of Agreement with Borrego for Solar at Glendale & Roosevelt

- Installation of Photovoltaic Systems at Roosevelt and Glendale in the amount of \$3,074,206.60
- Funded with Clean Renewable Energy Bonds (CREB's)



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# Future Agenda Items

- **Solar Phase 4 – SolarCity**
  - Balboa, Franklin, Fremont & Marshall
- **Roofing Bids**
- **Keppel - ORG**



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