

MEASURE S & FACILITY UPDATE

**GLENDALE UNIFIED SCHOOL DISTRICT
Board of Education Meeting – September 15, 2015
Discussion Report No. 2**



**ALAN REISING
ADMINISTRATOR, PLANNING & DEVELOPMENT**

Citizens' Bond Oversight Committee

- Meeting Held on September 8, 2015
- New Members Introduced and Welcomed
 - Sophal Ear
 - Hovik Khatchaturian
 - Avetis Mkhitarian
 - Michael Myers
- Measure S Bond Counsel, Bill Kadi Reviewed Roles and Requirements of CBOC
- Un-Audited Measure S Year-End Report Distributed
- Committee Re-Organization
 - John Sadd Re-Elected as Chair
 - Rebecca Delfino Re-Elected as Vice-Chair
- Next Meeting December 7, 2015

GUSD STRATEGIC PLAN: "Students will learn in safe, well-maintained facilities."



September 15, 2015

Superintendent's Facility Advisory Committee

- Meeting Held on September 8, 2015
- New Members Introduced and Welcomed
 - Greg Andrews
 - Peter Kim
 - Derrick Chevalier
 - Kurt Sawitskas
- Approval of Final Expenditure Reports and Project Closeout of Various Measure S Projects – *Supported*
- Approval of Proposition 39 Year 2 and 3 Expenditure Plan – *Supported*
- Approval of Change Order No. 2 with Chalmers Construction Services for the Network Operations Center – *Supported*
- Approval of Change Order No. 1 with Chalmers Construction Services for FASO Fence and Gate – *Supported*
- Notices of Completion – *Discussed*
- Next Meeting September 28, 2015

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Tonight's Agenda

Approval of Final Expenditure Reports and Project Closeout of Various Measure S Projects

- On January 17, 2012, the Board Approved the Installation of New Photovoltaic Energy Systems at Seven (7) Campuses with a Combined Budget in the Amount of \$8,326,236
- Solar Phase 1 and 2 Projects were Successfully Completed on March 4, 2015

Project #		
90022	Solar Phase 1 - CVHS	\$ 9,206
90023	Solar Phase 2 - Clark	\$ 4,420
90024	Solar Phase 1 - Rosemont	\$ 3,612
90025	Solar Phase 2 - Columbus	\$ 5,334
90026	Solar Phase 2 - Keppel	\$ 342
90027	Solar Phase 1 – Monte Vista	\$ 261,358
90028	Solar Phase 1 – Mountain Ave.	\$ 75
Total Saving for Solar Project Phases 1 -2		\$284,347

Tonight's Agenda

Approval of Final Expenditure Reports and Project Closeout of Various Measure S Projects – (Cont'd)

- Combined Project Savings of \$284,347
- Combined General Fund Energy Savings to Date of Approximately \$770,000
- Anticipated Savings Over \$10,200,000 in Energy Costs Over Project Lifespan
- Superintendent's Facility Advisory Committee – *Supported*

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Tonight's Agenda

Approval of Proposition 39 Year 2 and 3 Expenditure Plan

- Proposition 39, the California Clean Energy Jobs Act, was Approved by voters in November 2012
- Provides Funding to Retrofit Schools to Save Energy, Create Jobs and Improve School Conditions
- Yearly Energy Expenditure Plans are Filed for Prop 39 Funds
- Year 2 and 3 Plans have been Combined to Allow for Larger Project Selections
- The District Performed Audits at Eight (8) School Sites to Develop the Energy Expenditure Plan

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Tonight's Agenda

Approval of Proposition 39 Year 2 and 3 Expenditure Plan (Cont'd)

Total Funds Requested for the Two Year Plan is \$1,850,709

- Total Project Costs are \$1,683,041
- Energy Manager Salary is \$162,668
- Energy Efficiency Training - \$5,000
- Total Estimated Yearly Savings is \$169,418

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Tonight's Agenda

Approval of Proposition 39 Year 2 and 3 Expenditure Plan – (Cont'd)

Site	Description	Estimated Cost
Cerritos ES	Interior/Exterior Lighting	\$85,470
Columbus ES	Interior/Exterior Lighting	\$91,350
Marshall ES	Interior/Exterior Lighting	\$135,668
Marshall ES	HVAC/Chiller Replacement	\$576,714
Mann ES	Interior/Exterior Lighting	\$106,471
Daily HS	Interior/Exterior Lighting	\$37,642
Clark Magnet HS	Interior/Exterior Lighting	\$194,349
Rosemont ES	Interior/Exterior Lighting	\$177,449
Hoover HS	HVAC Replacement 11000 Bldg	\$277,930
	<u>Project Total</u>	\$1,683,043
Various	Prop 39 - Energy Manager (2 years)	\$162,668
Various	Prop 39 - Energy Efficiency Training	\$5,000
	TOTAL Prop 39 – Year 2 & 3 Plan	\$1,850,711

The Plan Enables the District to Maximize Potential Savings of Prop 39 Funding

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September 15, 2015

Tonight's Agenda

Clean Renewable Energy Bonds – Phase 5

- The IRS Announced New CREBs (California Renewable Energy Bonds) to Finance Renewable Energy Projects March of 2015.
- District Surveyed the Top Nine (9) Energy Consuming Sites as Candidates for a CREBs Allocation.
- The Preliminary Feasibility Study Determined all Nine (9) Sites are Viable Candidates for Solar Systems.

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Tonight's Agenda

Clean Renewable Energy Bond – Phase 5 - (Cont'd)

GLENDALE USD

PROPOSED PHASE 5 SOLAR PROJECTS

DRAFT -- Sept 3, 2015

Targeted Schools	Existing Energy Usage (kWh/Yr)	Proposed System Based on SunPower Prelim Design			Prelim Pricing Estimate (3)	
	85% Avg Annual Usage (kWh)	System Size kWp	Year 1 Generation (1) kWh	% of Energy Offset	\$/kWp	Total \$
1 Hoover HS	1,705,000	620.8	1,097,070	64%	\$3.75	\$ 2,330,000
2 Eleanor Toll MS	804,750	391.5	672,843	84%	\$3.67	\$ 1,437,000
3 Woodrow Wilson MS	730,250	365.4	637,320	87%	\$3.67	\$ 1,341,000
5 John Muir ES	655,000	261.0	452,436	69%	\$3.67	\$ 958,000
6 Horace Mann ES	419,490	208.8	364,237	87%	\$3.67	\$ 766,000
7 Cerritos ES	392,250	156.6	267,063	68%	\$3.67	\$ 575,000
8 R.D. White ES	360,780	182.7	318,707	88%	\$3.67	\$ 671,000
9 Thomas Jefferson ES	291,600	130.5	224,065	77%	\$3.67	\$ 479,000
10 Glendale HS	TBD	329.60	602,203	TBD	\$3.80	\$ 1,252,000
TOTAL Avg	5,359,120	2,647	4,635,942		\$3.71	\$ 9,809,000

Total Cost of Solar EPC Contract =	\$	9,809,000
Other Project Cost (Paid by District) =	\$	981,000
Target Cost of Solar Project =	\$	10,790,000
10% Add: EPC Price Contingency =	\$	1,079,000
Total CREB Allocation Requested =	\$	11,869,000

(1) Based on SunPower System with Year 1 Generation (and Yield) adjusted to System Uptime of 98%

(2) Based on SunPower Designs and Budgetary Cost (except for Glendale HS...to be further vetted)

Avg system yield (kWh/kWp) = 1,751

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Tonight's Agenda

Approval of Change Order No. 2 with Chalmers Construction Services for the Network Operations Center

- On September 2, 2014, Board Approved an Agreement with Chalmers Construction Services, Inc. for the Remodel of the Network Operations Center in the Amount of \$1,780,000
- Change Order No. 2 is for Various Added Scope of Work Listed Below for a Total Cost of \$98,403.27
 - Wall Framing and Drywall to Improve Usage of Space
 - Extending Interior Office Wall for Privacy
 - Electrical and Lighting Work
 - Removal and Installation of Cabinets at the Request of ETIS Staff
 - Relocating a Door for Better Security
 - Ventilation Work
- This Brings the New Contract Total to \$1,899,924.15, a 6.7% Cumulative Change to the Original Contract
- Funded by Measure S – Technology Funds
- Superintendent's Facility Advisory Committee – *Supported*

Tonight's Agenda

Approval of Change Order No. 1 with Chalmers Construction Services for FASO Fence and Gate

- On May 19, 2015, the Board Approved an Agreement with Chalmers Construction Services for the Gate and Wall Replacement at FASO for a Total Amount of \$162,700
- Change Order No. 1 is for Various Unforeseen Work Listed Below for a Total Amount of \$3,901, Bringing the New Contract Total to \$166,601
 - Construction of Four (4) 12"x12" Pilasters
 - Concrete Around Fire Hydrant
 - Add New Photo Cell
- Funded by Measure S – Summer Project Funds
- Superintendent's Facility Advisory Committee – *Supported*

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Tonight's Agenda

Approval of Various Notices of Completion:

- State Electric, Inc. for Electrical Work at Crescenta Valley High School for \$141,000, was Completed on August 14, 2015
- State Electric, Inc. for Electrical Work at Monte Vista Elementary School for \$120,000, was Completed on August 14, 2015
- Century Paving for Asphalt Paving at Dunsmore Elementary School for \$102,800 was Completed on August 10, 2015
- Century Paving for Asphalt Paving at Verdugo Woodlands Elementary School for \$23,850 was Completed on August 10, 2015

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Tonight's Agenda

Approval of Various Notices of Completion - (Cont'd)

- SprinTurf, LLC for Synthetic Turf Replacement at Crescenta Valley High School for \$149,880, was Completed as of August 4, 2015
- Balfour Beatty Construction for New College View School for \$19,051,419, was Completed as of August 10, 2015
- Chalmers Construction Services for Gate and Wall Replacement at FASO for \$162,700, was Completed as of August 24, 2015

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Celebrating What's Right with GUSD



Hoover ORG Classroom Building Excavation

Celebrating What's Right with GUSD



Franklin Elementary School New Classroom Building



Anticipated Completion - Winter 2015

Celebrating What's Right with GUSD



Keppel Elementary School



New Playground Equipment

Future Agenda Items

- **Munibond – Solar Phase 5 – CREBs Applications**
- **Award of Bids - Jefferson Retaining Wall**
- **Hoover High School - PA Amendment for HVAC Project**
- **Hoover ORG Project - PA Amendment**
- **MOU Agreements for Greening Grants at Franklin ES and Mann ES**
- **Selection of Measure S – Master Planning Consultant**
- **Award of Contract for Crescenta Valley High School Science Lab Renovations**
- **Award of Contracts for ORG Project – Phase 3 Schools**