



QUARTERLY FACILITIES AND ENERGY MANAGEMENT UPDATE

November 15, 2016



AGENDA

- Projects Completed
 - Facilities
 - Maintenance
- Projects in Progress
 - Facilities
 - Maintenance
- Energy Management Program
- Facilities Master Planning
 - Available Funding
 - FMP and non-FMP Project Prioritization

PROJECTS COMPLETED - FACILITIES





ARBOGA LEGACY

Scope of Work

**Remove/replace accessible walkways;
new carpet and base in six portables;
new bench; install new playground
equipment; and other misc. site work.**



Budget	\$206,224
Expended	\$145,698
Encumbered	\$60,526
Remaining	\$0

Figures are as of October 31, 2016



LINDHURST HVAC QUAD QUAD/GAS LINE

Scope of Work

Remove/replace 57,000 square feet of concrete; add new gas lines, landscaping and grease interceptor; other misc. site work.



Budget	\$2,444,325
Expended	\$2,158,977
Encumbered	\$217,571
Remaining	\$67,777

Figures are as of October 31, 2016



LINDHURST SHADE CANOPY

Scope of Work

Purchase and install shade canopy in quad.



Budget	\$74,566
Expended	\$64,124
Encumbered	\$10,442
Remaining	\$0

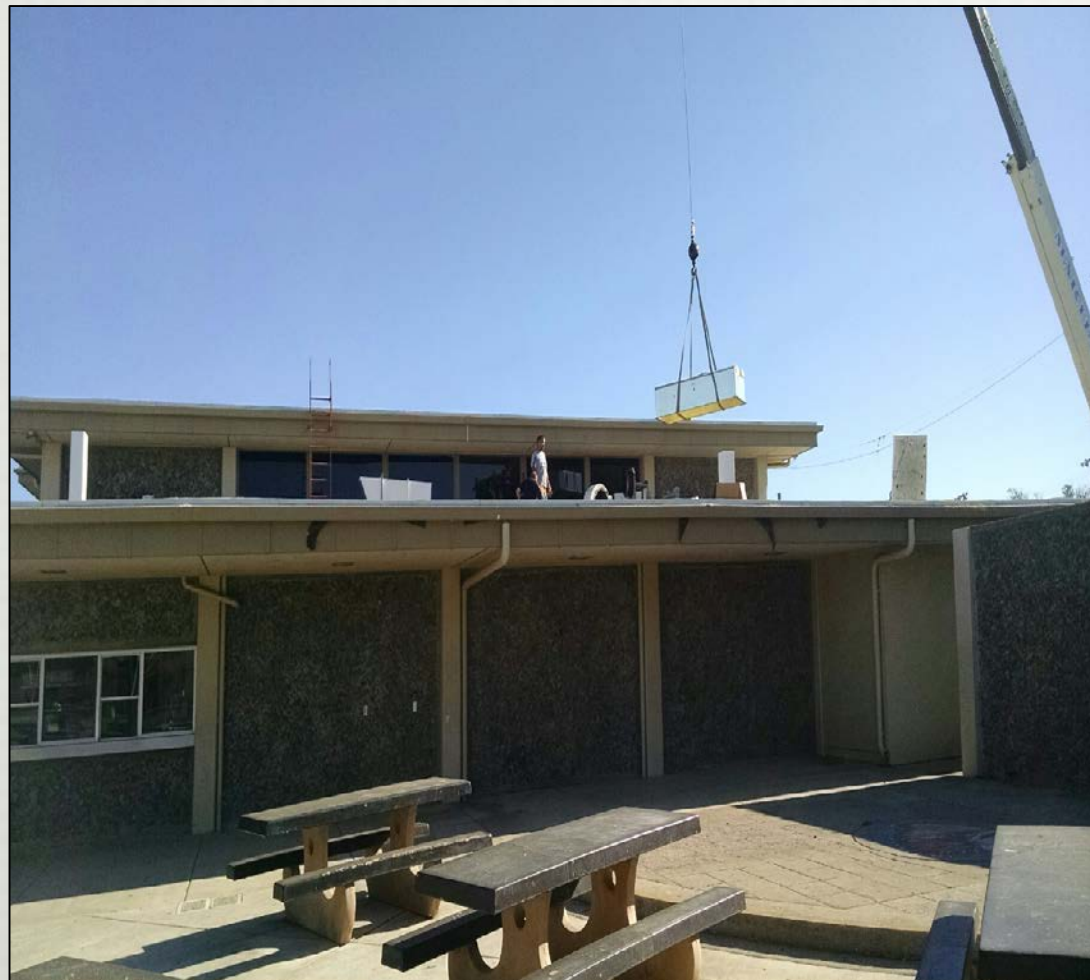
Figures are as of October 31, 2016



MHS KITCHEN

Scope of Work

Remove/replace nutrition services (main) kitchen make up air unit, grease trap, and other misc. improvements.



Budget	\$152,073
Expended	\$91,741
Encumbered	\$15,377
Remaining	\$44,955

Figures are as of October 31, 2016

PROJECTS COMPLETED - MAINTENANCE

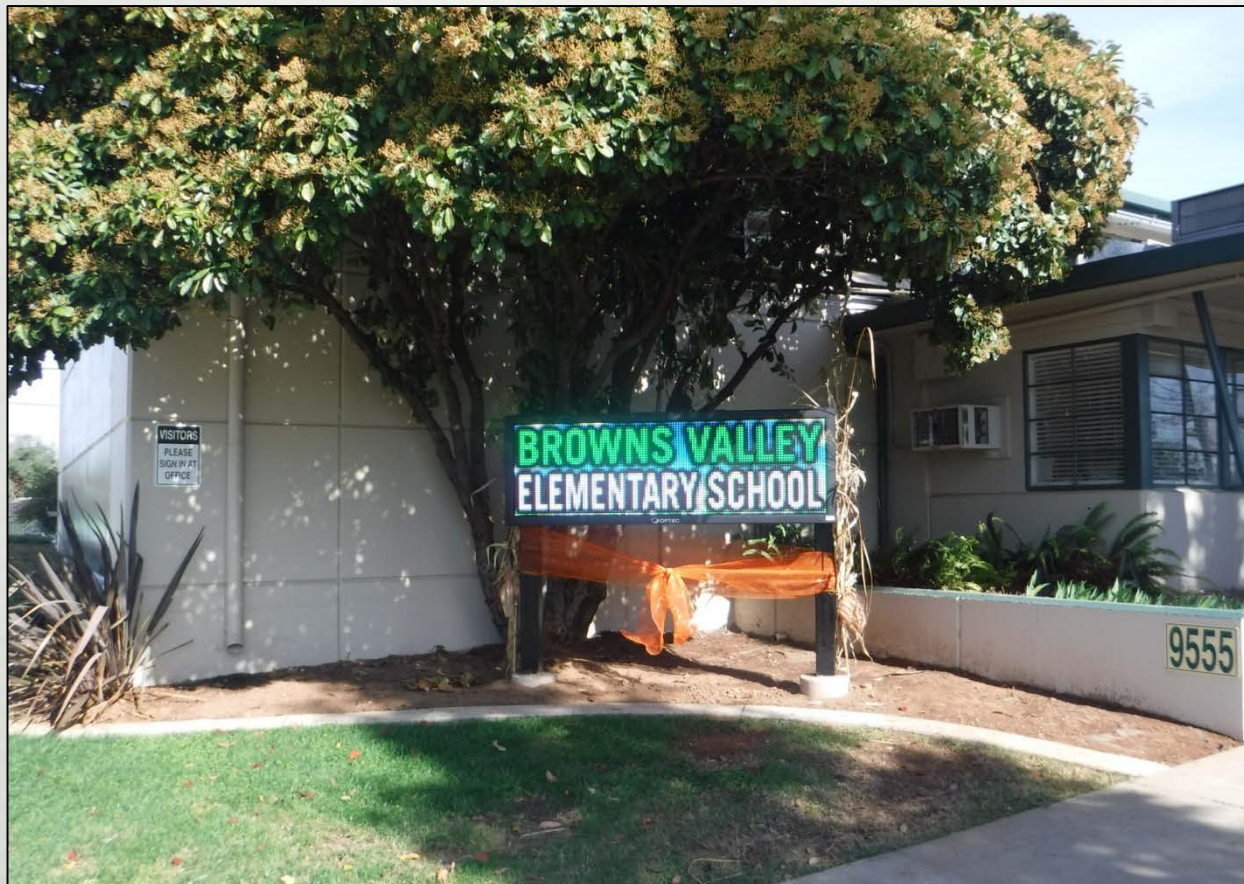




BROWNS VALLEY NEW MARQUEE

Scope of Work:

**Fabricate/weld base for marquee;
install power source and data.**



Contractor Price	\$8,600
M&O Cost	\$450
Cost Avoided	\$8,150



SHORELINE POWER AT CEDAR LANE & OLIVEHURST

Scope of Work:

Upgrade electrical infrastructure to support shoreline power; run conduit underground and install electrical panels for tie-in.



Contractor Price	\$36,000
M&O Cost	\$6,500
Cost Avoided	\$29,500



DISTRICT OFFICE WINDOW REPLACEMENT

Scope of Work:

Replace 11 windows that leaked; lead paint abatement to follow.



Contractor Price	\$8,336.00
M&O Cost	\$ N/A
Cost Avoided	\$ N/A



FOOTHILL LANDSCAPING

Scope of Work:

Add approximately 150' black cyclone fencing and rip rap along hill; hydro seed field; replace and automate irrigation; replace monkey bars; add benches.



Contractor Price	\$190,000
M&O Cost	\$17,000
Cost Avoided	\$173,000



CONNEX BOX ADDITIONS AT LINDA & OLIVEHURST

Scope of Work:

Grade area for placement of two Connex boxes; add five to ten yards of gravel, border, and concrete pad for access.



Contractor Price	\$13,300
M&O Cost	\$1,200
Cost Avoided	\$12,100



SOUTH LINDHURST GREENHOUSE FAN

Scope of Work:

**Install greenhouse ventilation fans,
underground power; upgrade electrical
infrastructure to tie-in fans.**



Contractor Price	\$13,100
M&O Cost	\$500
Cost Avoided	\$12,600



OTHER COMPLETED M&O PROJECTS

- Arboga: Removed unsteady tree from playground area
- Linda: New carpeting in Rooms #110, #103, and P7
- Lindhurst: Repaired office ceiling
- Lindhurst: Repaired roof at main office
- Marysville High: New pumps
- Marysville High: Replaced old ballast and bulbs on stadium lights
- Marysville High: Replaced burnt out lights in Gym and Field House
- Various Sites: Bleachers inspected and repaired (Edgewater, MHS, McKenney, LHS, MHS, Yuba Gardens)
- YES Charter: Regrade parking lot (Part of MOU)
- Yuba Feather: New HVAC unit replaced in Room #1

PROJECTS IN PROGRESS – FACILITIES





LINDHURST HVAC INCREMENT 2

Scope of Work:

Remove air handlers; abatement, landscaping, trenching/electrical conduit, duct cleaning/replacement/connections, painting and patching, programmable controls; adding individual units to buildings B (gym) and H (weld shop).



Budget	\$2,222,818
Expended	\$176,519
Encumbered	\$2,017,608
Remaining	\$28,691

Figures are as of October 31, 2016



LINDHURST (BLDS. A&E) HVAC COMMISSIONING

Scope of Work:

Test chiller and all Building A and E building components; provide District with a report to be used for corrective measures and for future increments.



Budget	\$24,860
Expended	\$0
Encumbered	\$24,860
Remaining	\$24,860

Figures are as of October 31, 2016



LINDHURST HVAC INCREMENT 3

Anticipated Scope:

Building E – Classrooms:

Ground mounted systems plus the installation of controls. Add louvers, vents, new ducting and/or cleaning, insulation and sealing, and electrical upgrades. Removal of all air handlers, chilled waterlines and other related equipment. Fenced enclosures with gates. Functional testing underway.

Science Building Controls:

Replacement of Siemens Controls (closed proprietary system). Replace with “open” controls (non-proprietary) – for existing Carrier Units. Scope and proposal in progress.

Scope for Future Increments:

Building A – Main Administrative Offices:

Ground mounted systems plus the installation of controls. Fenced enclosures with gates and landscaping. Functional testing underway.

Building G – Classrooms:

Ground mounted systems plus the installation of controls. Fenced enclosures with gates and landscaping.

Decommissioning:

Final decommissioning of the central plant. Removal and capping of all chilled waterlines and other components not previously completed.

Note: Subject to future available funding. Retro commissioning will take place at completion of final increment.



DSA LEGACY CLOSEOUTS

**Submitted request to DSA to close on
10.25.2016:**

1. Alicia #54782

(received certification letter 10.27.2016)

Response Pending

2. Cedar Lane #53787

3. McKenney #67937

Budget	\$13,150
Expended	\$6,000
Encumbered	\$7,150
Remaining	\$0

Figures are as of October 31, 2016

**Note: Budget above is strictly for the \$500
re-exam fees.**

Results of Legacy - *SAMPLE RESULTS CERT LEGACY* ①

Division of the State Architect
CALIFORNIA DEPARTMENT OF GENERAL SERVICES

7 916.445.8100 | 7 916.445.3527 | 102 Q Street, Suite 5100
Sacramento, California 95811
www.dgs.ca.gov

RESOLUTION OF CERTIFICATION DUE TO REMOVAL OF STRUCTURE(S)

10/26/16

Dr. Gay Todd, Superintendent
Marysville Joint Unified School District
1319 B Street
Marysville, CA 95901-3731

Project: Alicia Intermediate School (Marysville Joint Unified School District)
Scope: Alterations to Four Classroom Buildings, Multi-Purpose Building, Homemaking/Shop Building, Classroom Administration Building, and Three Toilet Buildings

Application #: 54782
File Id: 58-17

Dear Superintendent Todd:

The Department of General Services' (Department) records show the Travis Unified School District constructed the referenced Project; but, due to outstanding issues and/or missing documentation, the Department did not issue a certification of compliance (certification) pursuant to the requirements of the Field Act, Education Code sections 17280 through 17316.

Subsequently, the Department determined the structure(s) constructed under Application # 54782 has been destroyed or removed from its approved location(s).

Therefore, the Department considers the matter of certification resolved as follows: The Project has not been certified by the Department, and certification of the Project is no longer an issue before the Department since the structure(s) constructed under the referenced application number have been destroyed or removed from its approved location(s).

No further action by our office is anticipated in this regard and the file on the Project is closed with this Resolution of Certification.

If the structure(s) constructed under the Application has not been destroyed or removed from its approved location(s), please consider this letter rescinded and notify our office in writing.

Any monies owed to the Department with respect to the application are still owed and expected to be paid in full.

Sincerely,
[Signature]
State Architect
Chester "Chet" Widom, FAIA
Division of the State Architect

CW:art

cc: Architect/Engineer
Director of Facilities
File



DSA LEGACY CLOSEOUTS

Most Difficult:

Cedar Lane #02-101291: Need to locate change order and concrete testing reports in archives

Ella #54665: Fire alarm system upgrades and testing was deferred

Linda #02-110471: Missing Addendum #3

Marysville High #54817: Need Form 311 signed and a required change order form for mezzanine framing and openings in shear walls

Less Difficult:

Cordua #02-105103: Need parking lot overlay, striping and signage, and a DSA inspector to complete DSA 6PI Form.

Ella #02-10931: Need concrete compression testing results and any testing lab info

Johnson Park #106605: Verify cost of \$138,817, Forms 168 and 6 are needed

Olivehurst #54781: Need concrete testing results and the change order for infill construction at skylights

Yuba Feather #54662: Need AP Letter

Yuba Feather #02-106502: Retrieve Form 6's and visit site and confirm ADA work is complete

Yuba Gardens #02-106501: Retrieve Form 6's, visit site and confirm ADA work is complete



DSA LEGACY CLOSEOUTS

Lowest Difficulty:

Cedar Lane #02-100606: Completed Forms 168 and 311 and mailed with re-exam fee in late October

Johnson Park #02-106605: Completed and mailed Form 168 to DSA along with a Form 6 to contractor. Need additional Form 6's from design team

McKenney #67937: Retrieve Form 6's from some design team members

Note: There are a few additional (old) DSA legacy closeouts not listed herein given the lack of data and records. Research is ongoing.

Further, capitol facilities work at a site that has an unclosed legacy project could be disallowed by DSA. Code changes get more restrictive over time. Costs and fees increase as a result.



PROP 39 – DISTRICT WIDE

Scope of Work:

Create Required Calculators for all measures for Yuba Gardens, McKenney, and Olivehurst. Input data into California Energy Commission website for approval then funding.

Create a set of bid documents for the MHS replacement of up to fifteen 5-ton HVAC units.

Get bids for all remaining measures at MHS, Linda, and LHS that received 2016 CEC approval and funding.

Change LHS Exterior Parking Lot heads to LED from HPS – to be installed in Mid November via Star Energy.



Budget	\$1,338,905
Expended	\$564,157
Encumbered	\$89,292
Remaining	\$685,456

Figures are as of October 31, 2016

Note: Excludes MCAA

Light fixture above is a sample only



LINDA HVAC PROP 39

Scope of Work:

Remove/replace 19 roof top package units, room sensors, internet based programmable controls, LED parking lot light heads with controller.



Budget	\$430,816
Expended	\$376,254
Encumbered	\$54,562
Remaining	\$0

Figures are as of October 31, 2016

Note: Controller given to M&O electrician in October via Electrical Contractor with training provided at that time

PROJECTS IN PROGRESS – MAINTENANCE





LINDHURST FRONTAGE FENCING

Scope of Work:

Install approx. 320 feet of wrought iron fencing in front of school



Contractor Price	\$33,100
M&O Cost	N/A
Cost Avoided	N/A



OTHER IN PROGRESS M&O PROJECTS

- Covillaud: Pour concrete pad for new walk-in freezer
- Foothill: Septic System Remaining Improvements (Hardscape, Landscaping, etc.)
- District Warehouse: Heater replacement
- District Office: Lead paint abatement for windows
- District wide: Fire marshal write-up corrections
- District wide: Gutter cleaning
- District wide: Labeling of electrical panels
- District wide: Preventative maintenance on all HVAC, belts, and filters
- District wide: Storm drain cleaning
- Lindhurst: Baseball field renovation
- Lindhurst: Lemon Tree room remodel (CTE)
- Lindhurst: Painting of building exteriors
- McKenney: Install 4" backflow
- McKenney: Water main repair
- Marysville High: Pour concrete pad for new walk-in freezer
- Marysville High: Painting of Gym floor
- MCAA: New fire panel installation
- Yuba Feather: Removal of 7 100 ft pine trees

ENERGY MANAGEMENT PROGRAM





ENERGY MANAGEMENT

1. Continual “shut downs” as current staffing levels allow
 - Shut down of HVAC and computer labs. Ensure programming to match bell schedule and calendar. Site visits for temperature complaints using data loggers.
2. Ongoing data input from utility bills – 300 bills per month. Track missing bills, then enter missing data.
3. Adjusting database with savings figures for construction projects/retrofits and normalizing for weather.
4. Adding AmeriGas and Recology to database for 24 months; District wide and ongoing.
5. Charts and graphs for month to month and year to year data

FACILITIES MASTER PLANNING





AVAILABLE FUNDING

Routine Restricted Maintenance (8150)

\$2,557,915 (2016/2017)
Expenditures (as of 10/31/16): \$(683,796);
Encumbrances (as of 10/31/16): \$(1,178,766)
\$695,353 (remaining as of 10/31/16)

Deferred Maintenance - Fund 14

\$1,181,555 (as of 10/31/16)
Including \$820,000 per year per LCAP
Expenditures (as of 10/31/16): \$(18,812);
Encumbrances (as of 10/31/16): \$(61,978)
\$1,100,765 (remaining as of 10/31/16)

General Fund One-Time Money
*Includes One-Time Discretionary and Previously
 allocated General Fund EFB*

\$8,612,565 - 2016/2017 (multi-year)
\$362,049 - allocated as of 10/31/16
Expenditures (as of 10/31/16): \$(1,742,717);
Encumbrances (as of 10/31/16): \$(2,848,239)
\$3,659,560 (remaining as of 10/31/16)

**Prop 39 MJUSD – Clean Energy
 (Fund 01 - Restricted MJUSD)**
**Funds follow submittal and approval of
 “plan with measures”**

\$2.2 Million
(Over 5 Years)
Spent and encumbered to date: \$309,824

**Prop 39 MCAA – Clean Energy
 (Fund 09 - Restricted MJUSD)**
Submitted for Year 2 and 3 funds on 8/26/15

\$250,000
(Over 5 Years)
Spent and encumbered to date: \$16,074



REMAINING BOND (MEASURE P) MONEY

TOTAL REMAINING = \$45,275

- Finish Foothill Septic System Project scope of work
- Cost of Asphalt Resurfacing = \$8,651
 - Approved by Board 10/25/16
- Net Amount Remaining = \$36,624
 - To use on remaining scope:
Fencing, Signage, Pull Boxes, additional landscaping, and playground improvements



DEFERRED MAINTENANCE

TOTAL REMAINING = \$1,100,765 for 2016-17

- \$820,000 each year thereafter
- 5-year Plan Recommendation (NOTE: Amounts and timing subject to change):

2016-17		2017-18		2018-19		2019-20		2020-21	
Project	Estimated Cost	Project	Estimated Cost	Project	Estimated Cost	Project	Estimated Cost	Project	Estimated Cost
Starting Balance	\$ 1,100,765		\$ 820,000		\$ 820,000		\$ 820,000		\$ 820,000
HVAC/Duct Replacement	\$ 294,957	HVAC/Duct Replacement	\$ 200,000	HVAC/Duct Replacement	\$ 163,000	Asbestos/Lead Abatement	\$ 300,000	HVAC/Duct Replacement	\$ 300,000
Roof Repairs/Replacement	\$ 300,000	Roof Repairs/Replacement	\$ 300,000	Asphalt Repair/Replacement	\$ 150,000	Exterior Painting	\$ 13,000	Asphalt Repair/Replacement	\$ 200,000
Carpet/Linoleum Replacement	\$ 60,800	Asphalt Repair/Replacement	\$ 50,000	Lindhurst Gym Floor Replacement	\$ 420,000	Marysville Gym Floor Replacement	\$ 420,000	Tree Removal and Replacement	\$ 100,000
Asbestos/Lead Abatement	\$ 100,000	Marysville Football Field Irrigation/Drainage	\$ 200,000	Lindhurst Bleacher Replacement	\$ 87,000	Marysville Bleacher Replacement	\$ 87,000	Door Replacement	\$ 100,000
Lindhurst Football Field Replacement	\$ 345,008	District Office Window Replacement	\$ 70,000					Siding/Stucco Repair	\$ 70,000
	\$ -							Linda Field Irrigation/Drainage	\$ 50,000
Ending Balance	\$ -		\$ -		\$ -		\$ -		\$ -



GENERAL FUND ONE-TIME MONEY

TOTAL REMAINING = \$3,659,560

- **Recommendations:**

- \$2,000,000 → Lindhurst HVAC Increment 3

- Design already encumbered (for Inc. 3 and future increments)

- For construction and other necessary soft costs

- Building E and Building D controls

- \$350,000 → Edgewater Bathroom Portable Replacement

- Modular design with permanent concrete foundation

- \$319,560 = Net Amount Remaining



BOARD INPUT

Net Amount Remaining = \$319,560

- Recommended Potential Projects:
 - District ADA Compliance (ADA Study) = \$64,500+
 - Study is \$64,500, plus any improvements
 - District Electrical System Capacity/Safety Upgrade = \$135,000+
 - Arc Flash study = \$135,000, plus any improvements
 - District Irrigation Automation = \$20,000
 - DSA Legacy Projects = \$100,000+
 - Foothill Intermediate Shade Structure = \$75,000
 - Lindhurst High Camera Upgrades & Repairs = \$125,000

For other projects, consult FMP Tier 1 and Non-FMP Tier 1 Projects in Appendix

THANK YOU



QUESTIONS?



APPENDIX:

FACILITY MASTER PLAN (FMP) TIER 1 PROJECT LIST & NON-FMP TIER 1 PROJECT LIST