



QUARTERLY FACILITIES AND ENERGY MANAGEMENT UPDATE

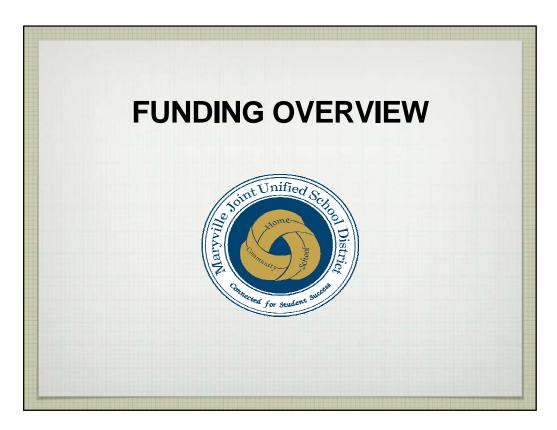
May 24, 2016



AGENDA

- Funding Overview
- General Fund One-Time Money Projects Update
- Bond Project Update
- School Site Funded Projects Update
- Maintenance and Operations Projects
- Deferred Maintenance Update
- Prop 39/Energy Management Update
- Facilities Master Plan





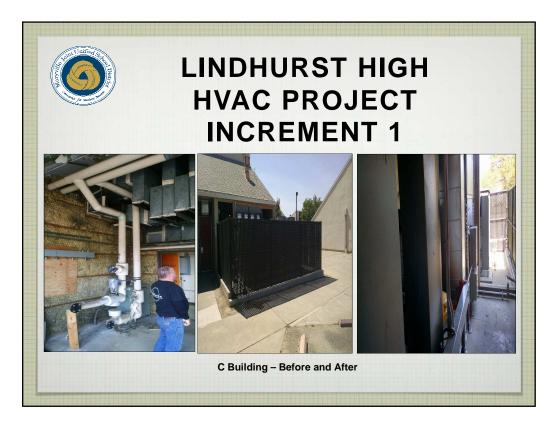
FUNDING SOURCES		
General Fund One-Time Money Includes One-Time Discretionary and Previously allocated General Fund EFB	\$5,104,178 (2015/2016) \$2,373,101 (allocated as of 5/13/16) \$2,731,077 (remaining as of 5/13/16)	
Bond Fund 23	\$298,062 (2015/2016) Expenditures (as of 5/13/16): \$198,753; Encumbrances (as of 5/13/16): \$5,390 \$93,919 (remaining as of 5/13/16)	
Fund 35 – State Match	\$184,365 (2015/2016) Expenditures (as of 5/13/16): \$41,557; Encumbrances (as of 5/13/16): \$0 \$142,808 (remaining as of 5/13/16)	
Routine Restricted Maintenance (Resource 8150)	\$2,895,700 (2015/2016) Expenditures (as of 5/13/16): \$2,431,473; Encumbrances (as of 5/13/16): \$422,203 \$42,024 (remaining as of 5/13/16)	



FUNDING SOURCES	
mergency Repair (Resource 6225)	\$54,023 (2015/2016) Expenditures (as of 5/13/16): \$7,783; Encumbrances (as of 5/13/16): \$0 \$46,240 (remaining as of 5/13/16)
Deferred Maintenance – Fund 14	\$1,401,047 (2015/2016) (incl. \$820,000 annually through LCAP) \$1,078,524 (allocated as of 5/13/16) \$322,522 (remaining as of 5/13/16)
Prop 39 MJUSD – Clean Energy (Fund 1 - Restricted MJUSD)	\$2.2 Million (estimated) (Over 5 Years)
Prop 39 MCAA – Clean Energy (Fund 9 - Restricted MJUSD)	<u>\$250,000 (estimated)</u> (Over 5 Years)











LINDHURST	HVAC
INCREME	NT 1
Expenditure Summary:	
Architect Fees	\$181,004
Builders Risk Insurance	\$0
CDE Fees	\$0
Construction	\$1,405,877
Construction Testing	\$12,675
Construction Utility Costs	\$0
DSA Fees	\$873
Engineering Fees	\$0
Environment Services	\$0
Furniture and Equipment	\$0
Inspection Fees	\$36,335
Security	\$0
Other Costs - Bldg Improvement	\$75
Other Costs - Planning, Advertising, etc.	\$3,931
TOTAL	\$1,680,020



INCREMENT 2 PROPOSED DESIGN

Building B - Main Gym and Locker Rooms (Rooms B1 and B2):

Four ground mounted units, Carrier brand, with compatible controls. Removal of all old air handlers, chilled water lines, electrical upgrades, duct cleaning and/or replacement and controls.

Metal Shop/Classroom - H Building:

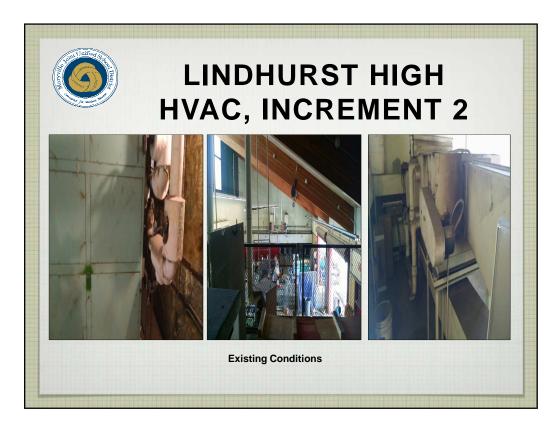
Replace cooling/heating for Classroom and Staff Office and add controls. Electrical upgrades (400 AMP Panel components) and ducting cleaning and/or replacement. Add controls.

Building E – Classrooms:

Complete commissioning to assist in interim period as well as Increment 3 design and subsequent construction project.

Anticipated Bid Opening: Thursday, August 4th Bid Award: Tuesday, August 23rd







INCREMENT 3

Proposed Scope:

Building E - Classrooms:

Ground mounted systems plus the installation of controls. Added louvers, vents, duct cleaning, insulation and sealing, electrical upgrades. Removal of all air handlers, chilled water lines and other related equipment. Fenced enclosures with gates. Ducting redo in the crawl spaces.

Building A – Main Administrative Offices:

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

Science Building Controls:

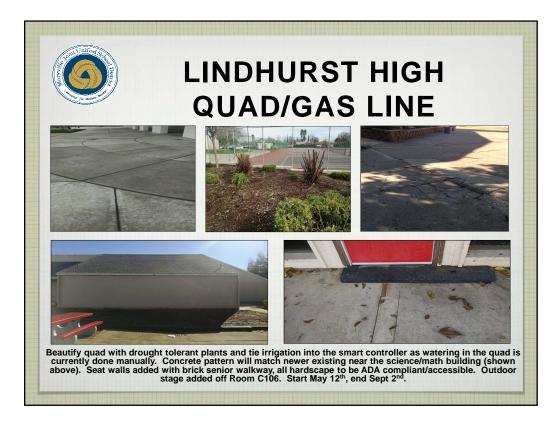
Replacement of Siemens Controls (closed system; proprietary). Replace with "open" controls (non-proprietary) – Carrier System/Compatible Controls.

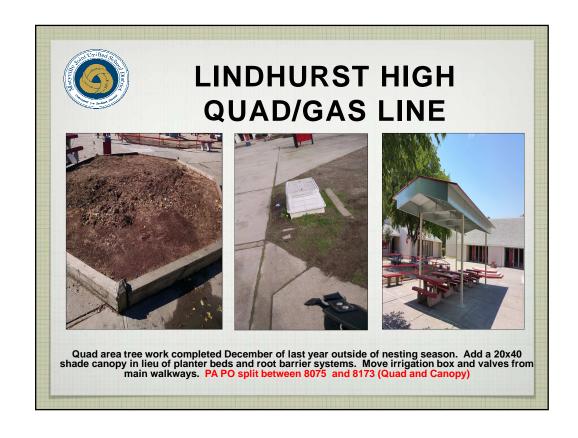
Miscellaneous Related Scope:

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

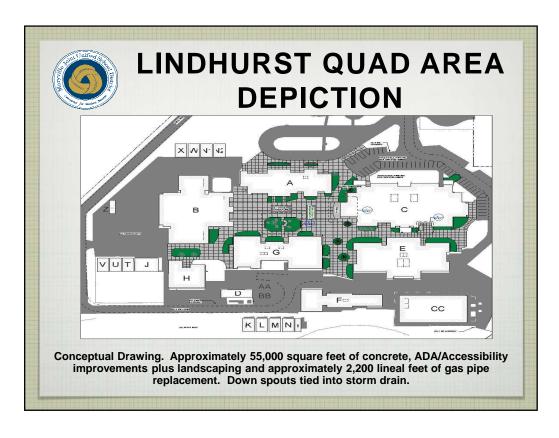
Note: Subject to future available funding.

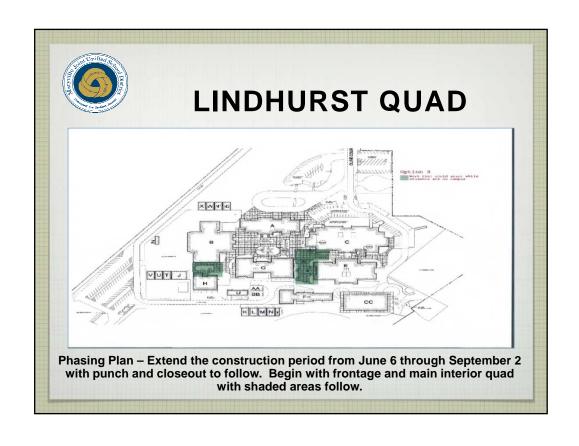










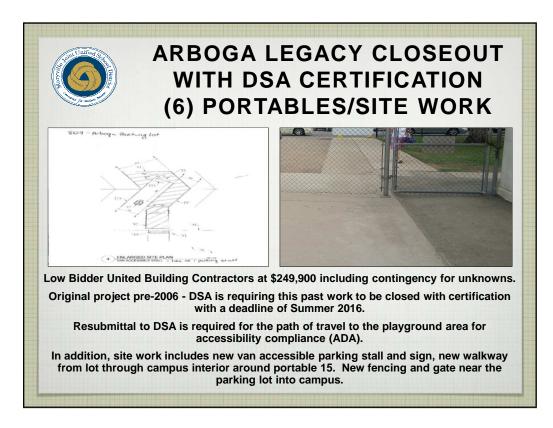


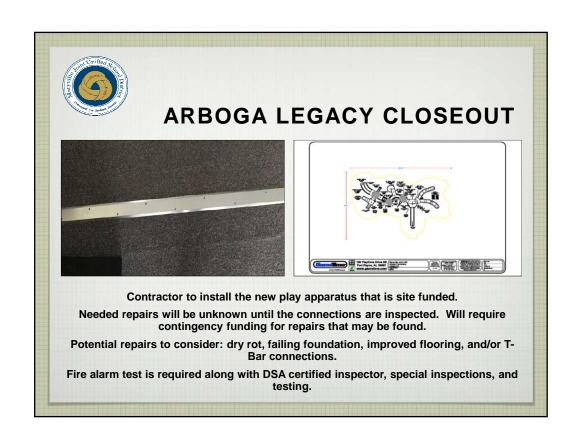


LINDHURST QU	AD
Expenditure Summary:	
Architect Fees	\$162,500
Builders Risk Insurance	\$0
CDE Fees	\$0
Construction	\$0
Construction Testing	\$3,838
Construction Utility Costs	\$0
DSA Fees	\$3,000
Engineering Fees	\$0
Environment Services	\$0
Furniture and Equipment	\$0
Inspection Fees	\$1,755
Security	\$0
Other Costs - Bldg Improvement	\$5,500
Other Costs - Planning, Advertising, etc.	\$3,345
TOTAL	\$179,937

LINDHURST QUAD SHADE CANOPY	
ONADE OAK	101 1
Expenditure Summary:	
Architect Fees	\$0
Builders Risk Insurance	\$0
CDE Fees	\$0
Construction	\$0
Construction Testing	\$0
Construction Utility Costs	\$0
DSA Fees	\$1,150
Engineering Fees	\$0
Environment Services	\$0
Furniture and Equipment	\$0
Inspection Fees	\$0
Security	\$0
Other Costs - Bldg Improvement	\$0
Other Costs - Planning, Advertising, etc.	\$1,827
TOTAL	\$2,977









ARBOGA LEG CLOSEOU	
Expenditure Summary:	
Architect Fees	\$14,778
Builders Risk Insurance	\$0
CDE Fees	\$0
Construction	\$0
Construction Testing	\$0
Construction Utility Costs	\$0
DSA Fees	\$0
Engineering Fees	\$0
Environment Services	\$0
Furniture and Equipment	\$13,000
Inspection Fees	\$980
Security	\$0
Other Costs - Bldg Improvement	\$2,732
Other Costs - Planning, Advertising, etc.	\$5,570
TOTAL	\$37,060

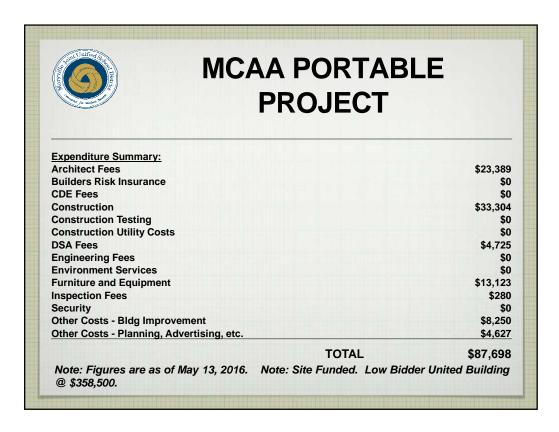






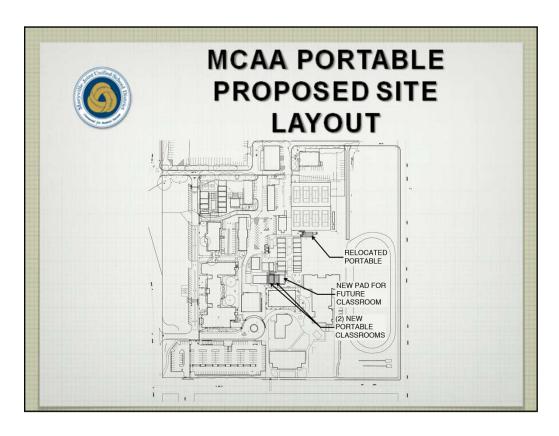
















MHS KITCHEN	
Expenditure Summary:	
Architect Fees	\$23,490
Builders Risk Insurance	\$(
CDE Fees	\$6
Construction	\$2,62
Construction Testing	\$47
Construction Utility Costs	\$(
DSA Fees	\$400
Engineering Fees	\$(
Environment Services	\$(
Furniture and Equipment	\$(
Inspection Fees	\$(
Security	\$(
Other Costs - Bldg Improvement	\$(
Other Costs - Planning, Advertising, etc.	\$2,89
TOTAL	\$29,884.00
IOIAL	\$23,004.00



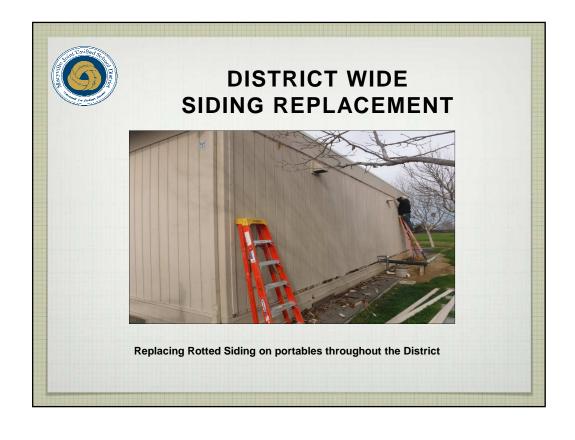






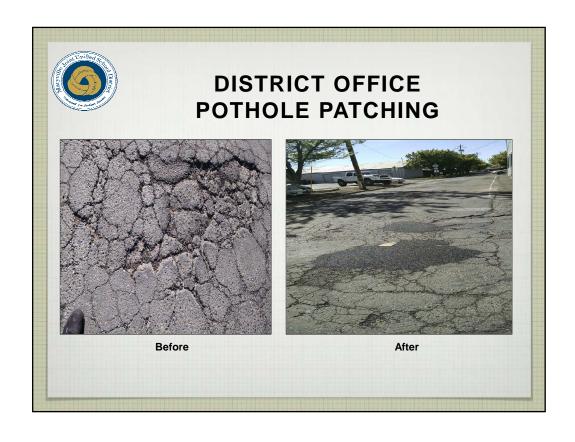




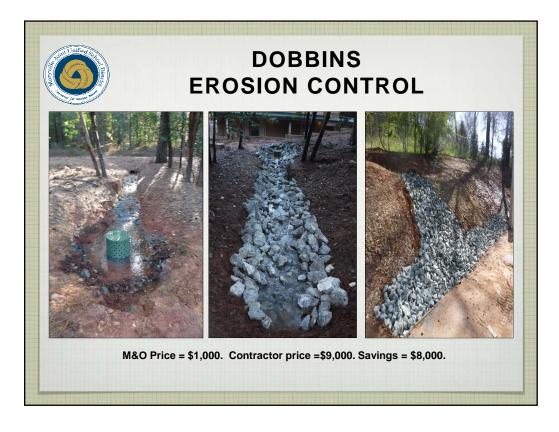


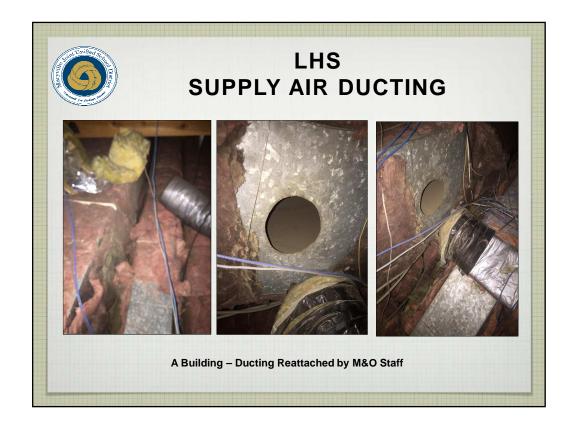




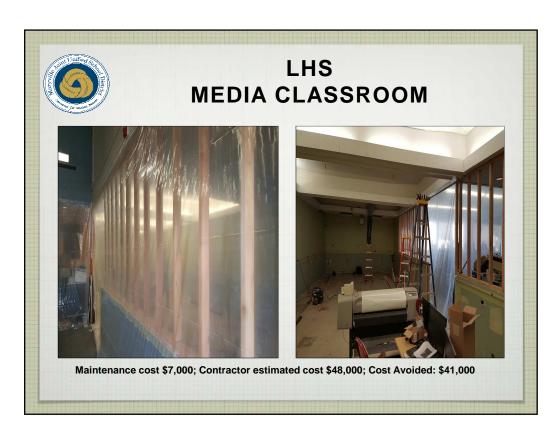


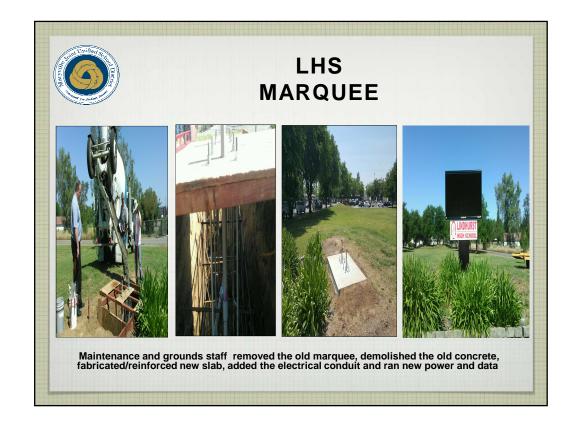




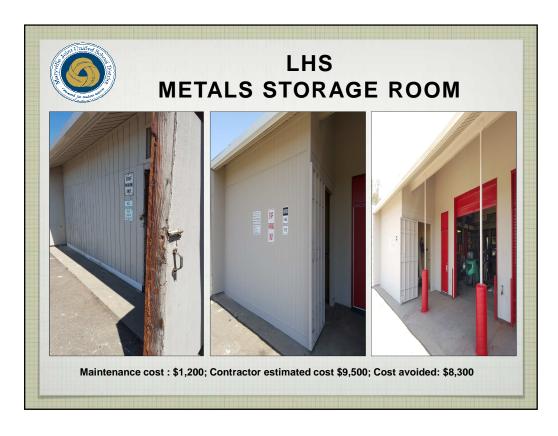


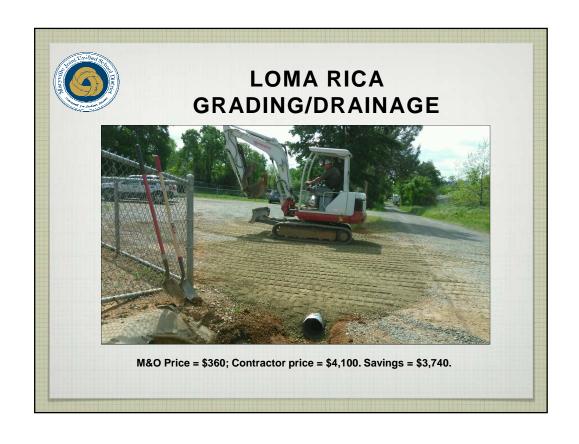




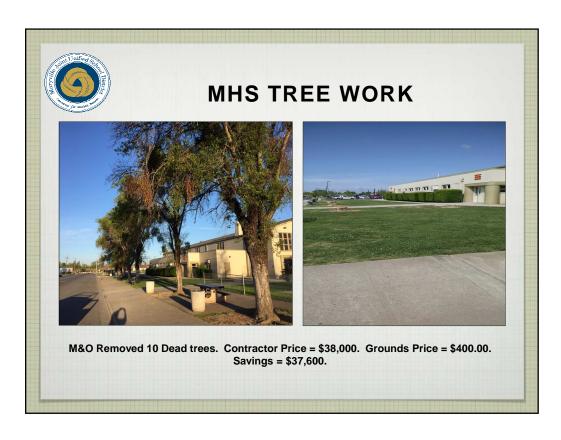








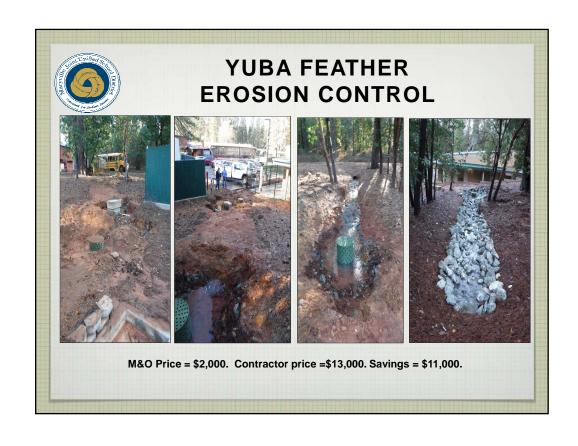
















OTHER M&O IMPROVEMENTS & COST SAVING MEASURES

DISTRICT WIDE:

- EPA compliance
- In-house HVAC Preventative Maintenance/Belt and Filter Changes District wide (1400 filters to be changed each quarter)
- · Asbestos and Lead Awareness Training annual 2 hour each as required
- AHERA Compliance/Inspections/Training
- Foothill Schools Water Studies
- Spill Prevention Plan (underway as required per Yuba County Environmental)



SUMMER 2016 PROJECTS LIST:

- Covillaud Preschool Install 3 fire alarms
- DO Installation of 3 Pipe Gates on back road
- District wide Bleacher Inspections
- Repair all district outside bleachers as needed
- District wide Painting of Fire Lanes
- District wide Siding Replacement
- LHS Metals Shop and Culinary Classrooms improvements
- Install Marquee at LHS
- LHS Science/New Media room remodel
- M&O Yard clean up and disposal of obsolete items
- Door Install front office at Olivehurst
- Fix sink hole in playground at JP
- Install 5 new exterior drinking Fountains at
 I HS

- New asphalt center at Foothill playground
- Repair roof at LHS front office (leaking roof)
- Replace and repair sheet rock at Covillaud
- · Replace windows at DO above break room
- · Foothill Landscape and Irrigation project
- Paint exterior of LHS front office
- · Paint exterior of Johnson Park
- Paint exterior of Johnson Park
- Paint 2 classrooms at Cedar Lane
- Clean and repair all gutters District wide
- Replace 15 old faucets at Kynoch
- Build a ball wall at Cedar Lane
- Clean storm drains District wide (Vac Trailer)
- Install Shoreline power at Cedar Lane & Olivehurst
- Preventative Maintenance on Plumbing
- Preventative Maintenance on HVAC
- Patch and repair road by transportation

Note: Subject to change. Additional details will be shared at the next quarterly presentation.



PROP 39 AND ENERGY MANAGEMENT PROGRESS





PROP 39 OVERVIEW

MJUSD Update Since March 2016:

- Completed an application for another comprehensive audits via CEC under Bright Schools Grant for: Yuba Gardens, McKenney, and Olivehurst. Audits completed 05/10 and 5/11.
 - This grant for audits is limited to three schools at a time. These site were chosen due to the large size of the schools along with the age of these facilities.
- Once the audits are complete an energy Expenditure Plan is submitted for approval with approval for funds to follow thereafter (year 3 is likely as fiscal year 2016/17 is the estimated time frame).
- Additional audits will follow until Prop 39 funds are depleted.





PROP 39 - MCAA PENDING IMPROVEMENTS

Interior and Exterior Lighting Replacements:

Interior - Going from 252 (three 32 watts lamps per fixture) to one 14 watt lamp each

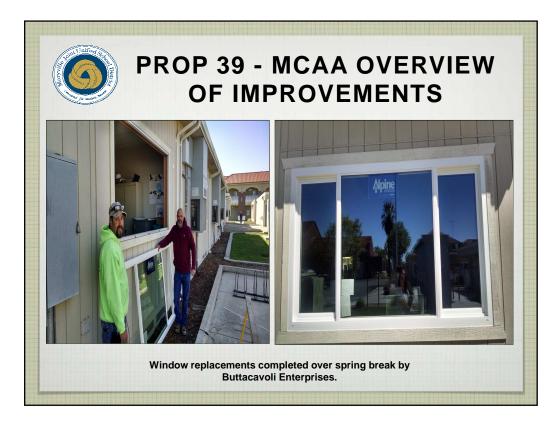
Estimated annual savings: \$3,226.80; estimated monthly savings: \$268.90 Note: Star Energy Management to complete the work Summer 2016 approved May 10 at \$12,202.00.

Exterior – Going from 30 metal halide (150 watt)/CFL's (15/26watt) to 30 LED Fixtures (16 or 41 watt)

Estimated annual savings: \$770.76; estimated monthly savings: \$64.23.









HVAC/LIGHTING EEP COMPONENTS

- Program 8155 DSA Exemption Approved (\$400).
 - United Building Construction, Inc. = low bidder: \$369,998.00 plus soft costs. Scope Includes: Replacing 18 HVAC units, installation of 37 sensors and 9 parking lot lighting heads to LED.
- Classroom Lighting (T8 34 watt to LED 17 Watts) and exterior wall packs lighting retrofits to follow (outside of program 8155) and based on receipt of funds which are anticipated in late June 2016 for year 2.



LINDA HVAC PRO)P 39
Expenditure Summary:	
Architect Fees	\$45,17
Builders Risk Insurance	
CDE Fees	
Construction	\$16,12
Construction Testing	\$63
Construction Utility Costs	
DSA Fees	\$4
Engineering Fees	
Environment Services	
Furniture and Equipment	
Inspection Fees	\$3
Security	
Other Costs - Bldg Improvement	
Other Costs - Planning, Advertising, etc.	\$3,4
TOTAL	\$66,16



LINDHURST H.S. EEP COMPONENTS

- Installation of Occupancy Sensors in Rooms and Offices
- De-lamp 192 34 watt fluorescent fixtures and re-lamp with LED 17 watt
- Replace all exterior lighting fixtures: 29 pole-mounted parking lot lights plus wall packs
- · Add 3 exterior lighting controllers
- Install 2 economizers on air handlers and 3 VFD's on Cooling Towers
 - · Note: Not likely now as the central plant is being replaced
- Replace 18 HVAC controls in portables

Note: Items above are per KW Engineering Report dated January 22, 2015 and as commissioned by CEC on behalf of MJUSD. Completion of Improvements contingent on availability of Prop 39 funds and based on actual costs.

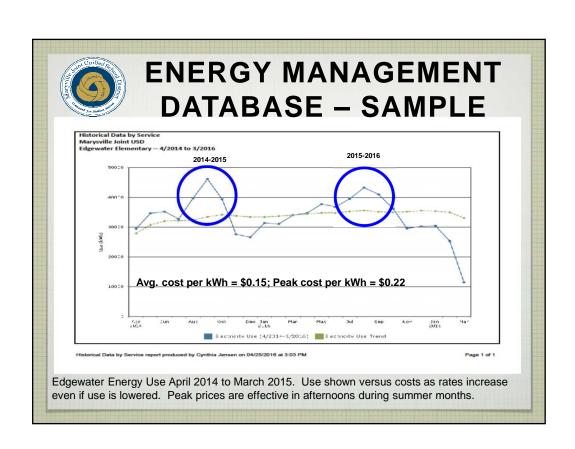




MARYSVILLE H.S. EEP COMPONENTS

- · Install 35 Occupancy Sensors in classrooms and offices
- · Replace 50 Incandescent Light with CFL's
- Convert 35 CFL Exit Signs to LED
- · Replace 75 HPS/MV Lights to Induction
- De Lamp 245 34 watt fluorescent fixtures and Re Lamp with LED 17 watt
- · Replace all exterior lighting fixtures: 23 Pole mounted parking lot/ wall packs
- · Replace 24 roof top package units (# of tons vary) to ground mounted (if possible).
- Replace 47 manual thermostats and replace with SMART programmable controls
- Replace old refurbished pool pump and add a 15 H.P. VFD (to regulate the rate of water turn over and minimize speed). Specialist needed to verify minimum speed. Quote received but must be bid to move forward due to cost over \$15K.
- · Install 15 vending machine misers.

Note: Items above are per KW Engineering Report dated January 22, 2015 and as commissioned by CEC on behalf of MJUSD. Completion of Improvements contingent on availability of Prop 39 funds and based on actual costs.







ENERGY MANAGEMENT

1. Facilities Staff - Continual "shut downs" and audits:

- · Shut off HVAC, computer labs, lights, and other equipment
- · Prop 39 improvements will save energy as well as other retrofits
- Modernization and maintenance projects help with energy savings
- Ongoing monitoring of energy and natural resources usage
- Find and repair leaks
- Data entry utility bills approximately 300 accounts per month ongoing
 - Excludes propane and trash service for now

2. Summer 2016 Shut Off Checklists to be distributed tomorrow:

- Site Administrators for offices and teachers Incentive is 25% of savings
- M&O staff for grounds and custodians
- · Food Services for commercial kitchens

3. Baseline data:

- Summer 2014 and Summer 2015 use and cost per unit of use per utility will be distributed to Principals
- Some site are not on a separate meter so tracking some school site savings will be difficult. LHS use will be elevated as the HVAC projects are completed. Begin a "new" baseline once projects are completed.

