



Submission

ID2298

Tier: 4  
Expenditure Plans this Fiscal Year: 2016-17  
Submittal Option: Multiple-Year (bundled) Award Expenditure Plan

Grant Amount Requested: \$1,365,972.56  
Grant Balance Available: \$617.34

Energy Planning Reservation Information

Did you request Energy Planning Funds? (If no, move on to next section) Yes  
Budget for Screening and Energy Audits:  
Budget for Proposition 39 Program Assistance:  
Budget for Energy Manager:  
Budget for Training Totals:  
Totals:  
Amount Spent for Screening and Audits:  
Amount Spent for Program Assistance:  
Amount Spent for Energy Manager:  
Amount Spent for Training:  
Totals:

Energy Manager and Training

Are you hiring an Energy Manager with Funds Requested in this Expenditure Plan? No  
Are you using Proposition 39 funds for energy related training costs? No  
Amount Requesting for Energy Manager:  
Amount Requesting for Training:

Summary of Schools/Sites

Estimated Totals: Total Project Cost \$1,467,075.00  
Propostion 39 Share \$1,365,972.56  
Summation is for 1 School

Job Creation Benefits Estimation

Type of Project	Budget	Estimated Direct Job-Years Created	Please list any state-certified apprenticeship programs being used:
Energy Efficiency	\$1,365,972.56	7.65	
Renewable Generation			
Distributed Energy			
		Total: 7.65	
Apprenticeship Information	Budget	Estimated Apprenticeship Job-Years Created	Will this project be subject to a community benefits agreement, community workforce agreement, or other mechanism that defines project co-benefits?
Other Trainee Position Title		Estimated Other Trainee Jobs Created	
		Total:	

Self-Certifications

Yes The LEA followed the Proposition 39 Guidelines regarding Eligible Energy Project Prioritization Considerations.  
Yes The LEA followed the guidelines regarding Sequencing of Facility Improvements  
Yes The LEA commits to use the funds for the eligible energy project(s) approved in its energy expenditure plan.  
Yes The LEA commits that the information included in the application is true and correct based to the best of the LEA's knowledge.  
Yes The LEA commits that all California Environmental Quality Act (CEQA) requirements are completed.  
Yes The LEA will obtain DSA project approval as applicable pursuant to California Code Regulations, Title 14.  
Yes The LEA acknowledges that the expenditures are subject to financial audit requirements  
Yes The LEA commits to complying with all reporting requirements.  
Yes The LEA commits to following all contracting requirements in the Proposition 39 Guidelines, including not using a sole source process to award funds and providing a clear and accurate description of the eligible energy project in all contracts.  
Authorized Representative: George Parker Date: 6/16/2017 Bundled SIR: 1.37 Version 6

Applicant Information

Local Education Agency Name: Davis Joint Unified  
LEA CDS Code: 57726780000000  
Mailing Address: 526 B Street  
City: Davis  
Zip Code: 95616-3811

LEA Authorized Representative

Name: George Parker  
Title: Director of Facilities, Maintenance & Operations  
Phone: 5307592182  
Email: gparker@djusd.net

Project Manager

Name: Will Pearce  
Title: Account Manager  
Phone: 6507122019  
Email: will.pearce@cleareresult.com



Site Information

Project Start Date:11/1/2017

Completion Date:3/31/2019

Local Education Agency: Davis Joint Unified

LEA CDS Code: 57726780000000

School or Site Information

School/Site Name: Davis Senior High

School/Site CDS Code: 57726785732201

School/Site Mailing Address: 315 West 14th St.

City: Davis

Zip Code: 95616-1914

Energy Efficiency Project Summary

Measure Savings Source: Energy audit/feasibility study

Proposition 39 Share to be used for Measure Implementation (\$): \$1,365,972.56

Benchmarking

Square Footage of School/Site: 222,425

Average Peak Demand (kW):

Total Annual Electric Use (kWh): 1,814,034

Total Annual Electric Charges (\$): \$400,202.00

Total Annual Gas Use (therms): 32,966

Total Annual Gas Charges (\$): \$29,488.00

Total Annual Propane Use (gals):

Total Annual Propane Charges (\$):

Total Annual Fuel Oil Use (gals):

Total Annual Fuel Oil Charges (\$):

Energy Bill Fiscal Year: 2015-16

Electric Utility: PG&E

Electric Utility Account #: 3574702115,3574702692

Gas Utility: PG&E

Gas Utility Account #: 7575568005,7658902005

Reminder: If the School/Site includes leased facilities, please include Building Owner Certification in backup documentation.

Energy Use Intensity Calculator					
Electricity		Natural Gas		Other Fuels	
W/SF		.15	Therms/SF		Gals/SF
8.16	kWh/SF	\$ .13	Cost/SF		Cost/SF
\$1.80	Cost/SF				
Energy Costs/SF/Year:		\$1.93	Energy Use(Kbtu)/SF/Year:		102.22

Version 6

Energy Efficiency Measure		Description	Demand Savings (kW)	Annual Electric Savings	Annual Nat. Gas Savings	Annual Propane Savings	Annual Fuel Oil Savings	Annual Energy Cost Savings (\$)	Measure Cost (\$)	Rebates (\$)	Other Non-Repayable Funds (\$)	Total Leveraged Funding (\$)	EEM SIR
Lighting- Exterior Fixture Retrofit		Replace all existing exterior lights with appropriate LED fixtures		127,550				\$28,139.34	\$87,150.00	\$11,760.00		\$11,760.00	5.73
Lighting- Interior Fixture Retrofit		Replace existing interior fluorescent and high intensity discharge fixtures with appropriate LED fixtures	11	306,309	(26)			\$60,199.36	\$1,296,450.00	\$89,342.44		\$89,342.44	1.10
Lighting Controls		Exterior Photocell/Occupancy Sensors		11,108				\$2,450.54	\$9,050.00				2.32
Lighting Controls		Interior Occupancy Sensors		38,235				\$8,435.20	\$74,425.00				1.10

Energy Efficiency Narrative Description

Davis Senior High School is one of the two senior high schools in Davis JUSD located in Davis, CA 95616. The school accommodates roughly 1,683 students in the high school grades from 10th through 12th grade. The school has a conditioned area of approximately 225,425 square feet. The audit addressed all areas of the facility. The facility was originally built in 1961. The school consists of a number of single-story buildings connected by unconditioned hallways. These buildings contain classrooms and office spaces, a library, gymnasium, performance arts and other areas. Additionally, there are four portable classroom buildings. According to the bell schedule, regular school hours are from 7:45 a.m. to 3:30 p.m., Monday through Friday. However, employees might extend the facility operating hours earlier in the morning and later in the afternoon. The opportunities identified at Emerson Senior High were: Interior lighting and controls Exterior lighting and controls

Site Project Summary

Total Demand Savings11

Total Annual Fuel Oil Savings

Total Annual Electric Savings458,095

Total Annual Cost Savings\$99,224.44

Total Annual Natural Gas Savings(1,838)

Total Project Cost\$1,467,075.00

Total Annual Propane Savings

Total Rebates\$101,102.44

Total Prop 39 Share\$1,365,972.56

Savings-to-investment Ratio (SIR)1.37

Total Cost Paid Under PPA

Total Other Non-Repayable Funds

Overall Total Leveraged Funding (\$) \$101,102.44