



Submission

Tier: 3

ID 1598

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

Grant Amount Requested: \$324,546.00  
Grant Balance Available: \$228,843.00

Energy Planning Reservation Information

Did you request Energy Planning Funds? (If no, move on to next section) Yes  
Budget for Screening and Energy Audits: \$104,867.00 Amount Spent for Screening and Audits: \$104,400.00  
Budget for Proposition 39 Program Assistance: Amount Spent for Program Assistance:  
Budget for Energy Manager: Amount Spent for Energy Manager:  
Budget for Training Totals: \$11,600.00 Amount Spent for Training: \$11,600.00  
Totals: \$116,467.00 Totals: \$116,000.00

Energy Manager and Training

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

Summary of Schools/Sites

Estimated Totals: Total Project Cost \$324,546.00 Propostion 39 Share \$324,546.00 Summation is for 3 Schools

Job Creation Benefits Estimation

Type of Project	Budget	Estimated Direct Job-Years Created
Energy Efficiency	\$324,546.00	1.82
Renewable Generation		
Distributed Energy		
		Total: 1.82

Please list any state-certified apprenticeship programs being used:

Will this project be subject to a community benefits agreement, community workforce agreement, or other mechanism that defines project co-benefits?

Apprenticeship Information

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.

Applicant Information

Local Education Agency Name: Bellevue Union Elementary  
LEA CDS Code: 49706150000000  
Mailing Address: 3150 Education Drive  
City: Santa Rosa  
Zip Code: 95407-2764

LEA Authorized Representative

Name: Chris Kim  
Title: Chief Business Officer  
Phone: 7075425197  
Email: ckim@busd.org

Project Manager

Name: Tyler DiLalla  
Title: Project Development  
Phone: 6025764987  
Email: TylerD@Climatec.com



**Site Information**

Project Start Date: 7/14/2016  
Completion Date: 12/31/2016  
Local Education Agency: Bellevue Union Elementary  
LEA CDS Code: 49706150000000

**School or Site Information**

School/Site Name: Taylor Mountain Elementary  
School/Site CDS Code: 49706150113506  
School/Site Mailing Address: 1210 East Bellevue Ave.  
City: Santa Rosa  
Zip Code: 95407-2764

**Energy Efficiency Project Summary**

Measure Savings Source: Energy audit/feasibility study  
Proposition 39 Share to be used for  
Measure Implementation (\$): \$121,777.00

**Benchmarking**

Square Footage of School/Site: 51,680  
Average Peak Demand (kW):  
Total Annual Electric Use (kWh): 438,639  
Total Annual Electric Charges (\$): \$18,625.00  
Total Annual Gas Use (therms): 3,797  
Total Annual Gas Charges (\$): \$2,496.00  
Total Annual Propane Use (gals):  
Total Annual Propane Charges (\$):  
Total Annual Fuel Oil Use (gals):  
Total Annual Fuel Oil Charges (\$):  
Energy Bill Fiscal Year: 2014-15  
Electric Utility: PG&E  
Electric Utility Account #: 6335102306  
Gas Utility: PG&E  
Gas Utility Account #: 6335102951

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	.07	Therms/SF		Gals/SF
8.49	kWh/SF	\$.05	Cost/SF		Cost/SF
\$.36	Cost/SF				
Energy Costs/SF/Year:		\$.41	Energy Use(Kbtu)/SF/Year:		98.30

Version 4

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- Interior Fixture Retrofit	Retrofit 32W T8 fixtures to 15w LED, 17W T8 to 10W LED, 13W CFL to 7W LED, and High-Bay CFL with LED		41	78,964				\$8,113.00	\$90,442.00				1.51
Lighting- Exterior Fixture Retrofit	Retrofit 175W & 100W MH to 27W LED, 42W & 26W CFL to 13W LED		9	39,788				\$4,087.88	\$25,153.00				2.53
HVAC-Retrocommissioning (Continuous)	Re-commission existing BAS to optimize HVAC operation, enhance scheduling features, and improve overall system efficiency.			34,437				\$2,824.00	\$6,182.00				4.56
Energy Efficiency Narrative Description													
Retrofit (629) interior and (240) exterior lighting, install occupancy sensors, and retro-commission BAS													
Site Project Summary													
Total Demand Savings		50	Total Annual Fuel Oil Savings			Total Prop 39 Share		\$121,777.00					
Total Annual Electric Savings		153,189	Total Annual Cost Savings		\$15,024.88	Savings-to-investment Ratio (SIR)		1.88					
Total Annual Natural Gas Savings			Total Project Cost		\$121,777.00	Total Cost Paid Under PPA							
Total Annual Propane Savings			Total Rebates			Total Other Non-Repayable Funds				Overall Total Leveraged Funding (\$) _____			



**Site Information**

Project Start Date: 7/14/2016  
Completion Date: 12/31/2016  
Local Education Agency: Bellevue Union Elementary  
LEA CDS Code: 49706150000000

**School or Site Information**

School/Site Name: Bellevue Elementary  
School/Site CDS Code: 49706156051585  
School/Site Mailing Address: 3223 Primrose Ave.  
City: Santa Rosa  
Zip Code: 95407-7723

**Energy Efficiency Project Summary**

Measure Savings Source: Energy audit/feasibility study  
Proposition 39 Share to be used for  
Measure Implementation (\$): \$104,026.00

**Benchmarking**

Square Footage of School/Site: 49,179  
Average Peak Demand (kW):  
Total Annual Electric Use (kWh): 197,210  
Total Annual Electric Charges (\$): \$1,147.00  
Total Annual Gas Use (therms): 4,051  
Total Annual Gas Charges (\$): \$2,785.00  
Total Annual Propane Use (gals):  
Total Annual Propane Charges (\$):  
Total Annual Fuel Oil Use (gals):  
Total Annual Fuel Oil Charges (\$):  
Energy Bill Fiscal Year: 2014-15  
Electric Utility: PG&E  
Electric Utility Account #: 6335102025, 6335102030, 633510208  
Gas Utility: PG&E  
Gas Utility Account #: 5456174005

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	.08	Therms/SF		Gals/SF
4.01	kWh/SF	\$.06	Cost/SF		Cost/SF
\$.02	Cost/SF				
Energy Costs/SF/Year:		\$.08	Energy Use(Kbtu)/SF/Year:		51.21

Version 4

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	Retrofit (3) 75W Incandescent to 30W LED, (1) 250W MH to 72W LED, and (11) 100W HPS to 12W LED		2	10,201				\$546.83	\$5,423.00				1.67
Lighting Controls	Install 21 Ceiling mounted occupancy sensors			10,567				\$481.48	\$6,842.00				.69
HVAC- Packaged/Split System AC/Heat Pump/VRF	Replace (6) Wall Mounted Heat Pumps (18.5 tons total)			35,374				\$1,910.00	\$91,761.00				.54
Energy Efficiency Narrative Description													
Replace (6) wall mounted heat pumps, retrofit exterior lighting, and install occupancy sensors													
Site Project Summary													
Total Demand Savings		2	Total Annual Fuel Oil Savings				Total Prop 39 Share		\$104,026.00				
Total Annual Electric Savings		56,142	Total Annual Cost Savings		\$2,938.31		Savings-to-investment Ratio (SIR)		.61				
Total Annual Natural Gas Savings			Total Project Cost		\$104,026.00		Total Cost Paid Under PPA						
Total Annual Propane Savings			Total Rebates				Total Other Non-Repayable Funds				Overall Total Leveraged Funding (\$)		



**Site Information**

Project Start Date: 7/14/2016  
Completion Date: 12/31/2016  
Local Education Agency: Bellevue Union Elementary  
LEA CDS Code: 49706150000000

**School or Site Information**

School/Site Name: Meadow View Elementary  
School/Site CDS Code: 49706156115695  
School/Site Mailing Address: 2665 Dutton Meadow Ave.  
City: Santa Rosa  
Zip Code: 95407-7730

**Energy Efficiency Project Summary**

Measure Savings Source: Energy audit/feasibility study  
Proposition 39 Share to be used for  
Measure Implementation (\$): \$98,743.00

**Benchmarking**

Square Footage of School/Site: 39,885  
Average Peak Demand (kW):  
Total Annual Electric Use (kWh): 315,521  
Total Annual Electric Charges (\$): \$5,268.00  
Total Annual Gas Use (therms): 3,393  
Total Annual Gas Charges (\$): \$2,396.00  
Total Annual Propane Use (gals):  
Total Annual Propane Charges (\$):  
Total Annual Fuel Oil Use (gals):  
Total Annual Fuel Oil Charges (\$):  
Energy Bill Fiscal Year: 2014-15  
Electric Utility: PG&E  
Electric Utility Account #: 6335102334, 6335102707  
Gas Utility: PG&E  
Gas Utility Account #: 6335102664

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	.09	Therms/SF		Gals/SF
7.91	kWh/SF	\$.06	Cost/SF		Cost/SF
\$.13	Cost/SF				
Energy Costs/SF/Year:		\$.19	Energy Use(Kbtu)/SF/Year:		93.28

Version 4

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	Retrofit 26W CFL to 13W LED, 250W MH to 72W LED, 100W MH to 13W LED		7	29,885				\$1,912.66	\$28,438.00				1.19
Lighting- Interior Fixture Retrofit	Retrofit 32W T8 fixtures to 15w LED, 17W T8 to 10W LED, 13W CFL to 7W LED, and High-Bay CFL with LED		21	42,995				\$2,752.00	\$66,307.00				.83
Lighting Controls	Install (32) occupancy sensors			7,027				\$382.28	\$3,998.00				.89
Energy Efficiency Narrative Description													
Retrofit (633) interior and (167) exterior lighting and install (32) occupancy sensors.													
Site Project Summary													
Total Demand Savings		28	Total Annual Fuel Oil Savings				Total Prop 39 Share		\$98,743.00				
Total Annual Electric Savings		79,907	Total Annual Cost Savings		\$5,046.94		Savings-to-investment Ratio (SIR)		.94				
Total Annual Natural Gas Savings			Total Project Cost		\$98,743.00		Total Cost Paid Under PPA						
Total Annual Propane Savings			Total Rebates				Total Other Non-Repayable Funds				Overall Total Leveraged Funding (\$) _____		