





### Site Information

Project Start Date: 7/1/2014

Completion Date: 8/25/2014

Local Education Agency: Sunnyside Union Elementary

LEA CDS Code: 54721810000000

### School or Site Information

School/Site Name: Sunnyside Elementaary

School/Site CDS Code: 54721816054407

School/Site Mailing Address: 21644 Avenue 196

City: Strathmore

Zip Code: 93267

### Energy Efficiency Project Summary

Measure Savings Source: Energy audit/feasibility study

Proposition 39 Share to be used for

Measure Implementation (\$): \$76,682.00

### Benchmarking

Square Footage of School/Site: 41,995

Average Peak Demand (kW): 128

Total Annual Electric Use (kWh): 286,417

Total Annual Electric Charges (\$): \$49,769.00

Total Annual Gas Use (therms): 9,520

Total Annual Gas Charges (\$): \$7,129.00

Total Annual Propane Use (gals):

Total Annual Propane Charges (\$):

Total Annual Fuel Oil Use (gals):

Total Annual Fuel Oil Charges (\$):

Energy Bill Fiscal Year: 2012-13

Electric Utility: SCE

Electric Utility Account #: 2-01-470-6030

Gas Utility: Sempra

Gas Utility Account #: 176 216 3900 8

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
3.05	W/SF	.23	Therms/SF	Gals/SF
6.82	kWh/SF	\$.17	Cost/SF	Cost/SF
\$1.19	Cost/SF			
Energy Costs/SF/Year:		\$1.35	Energy Use(Kbtu)/SF/Year:	95.76

Version 3

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 and Grants (\$)	EEM SIR
Lighting- Interior Fixture Retrofit		Interior Fixture Retrofit - Audit	11	18,252				\$3,175.90	\$47,044.00		1.20
Lighting- Exterior Fixture Retrofit		Exterior Fixture Retrofit - Audit	4	15,801				\$2,749.35	\$29,583.00		1.56
Lighting - Interior Linear Fluorescent Relamping		Incandescent Replacement to CFL - Audit		67				\$11.69	\$55.00		.92
<b>Energy Efficiency Narrative Description</b>											
This is a 5-yr Expenditure Plan. Existing lighting systems consisted of old T-12 and 1-st generation T-8 lamps and ballasts. Comprehensive lighting retrofit including 4-th generation T-8 & T-5 lamps with premium high efficient ballasts, exterior fixtures, etc. This retrofit generates more saving, electrical demand reduction and better payback than other Energy Conservation Measures such as HVAC replacements.											
<b>Site Project Summary</b>											
Total Demand Savings			15	Total Annual Fuel Oil Savings			Total Prop 39 Share		\$76,682.00		
Total Annual Electric Savings			34,120	Total Annual Cost Savings			Savings-to-investment Ratio (SIR)		1.34		
Total Annual Natural Gas Savings				Total Project Cost			Total Cost Paid Under PPA				
Total Annual Propane Savings				Total Rebates							

**ATTACHMENT A TO THE EXPENDITURE PLAN**

LINE	ROOM	FIXT QTY	EXISTING FIXTURE TYPE	RETROFIT TYPE	ECM	Avg. Price per Unit	Total Cost
4	RM 5 LIBRARY	20	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
5	RM 6	20	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
6	RM 7	20	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
7	RM 8	20	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
8	RM 9	20	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
9	RM 10	20	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
12	RM 12	19	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
13	RM 13	20	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
17	COMPUTER LAB	24	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
18	RM 15/16	35	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
25	RM 19	18	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
26	RM 20	18	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
27	RM 21	18	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
28	RM 22	18	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
29	RM 23	18	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
30	RM 24	18	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
31	RM 25	18	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
32	RM 26	18	2L 2X4 T8 PRISMATIC TROFFER	LBO TANDEM	2L KIT QHE/ISL F028/850XV TANDEM		
<b>Subtotal A</b>							

LINE	ROOM	FIXT QTY	EXISTING FIXTURE TYPE	RETROFIT TYPE	ECM	Avg. Price per Unit	Total Cost
10	RM 11	14	4L 2X4 TROFFER	KIT	2L QHE/ISH F028/850XV		
43	OFFICE	2	4L 2X4 TROFFER	KIT	2L QHE/ISH F028/850XV		
44	OFFICE	2	4L 2X4 TROFFER	KIT	2L QHE/ISH F028/850XV		
1	MAIN OFFICE	13	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
2	INTERVENTION RM	2	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
3	INTERVENTION RM	1	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		
11	COPY RM	2	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
14	G-RR	1	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		
15	B-RR	1	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		
16	CONFERENCE RM	3	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
19	CUSTODIAL	1	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		
20	G-RR	1	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		
21	B-RR	1	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		
24	RM 18	12	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
33	G-RR	1	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		
34	B-RR	1	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		
35	CUSTODIAL	1	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		

37	CAFETERIA	40	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
38	KITCHEN	13	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
39	KITCHEN HOOD	3	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
41	CLOSETS	6	2L 1X4 WRAP	LBO	2L QHE/ISL F028/850XV		
45	BAND / MUSIC	10	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
46	RM 30	10	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
47	RM 31	10	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
48	RM 32	10	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
49	RM 33	10	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
50	RM 34	10	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
51	RM 35	10	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
52	RM 36	10	2L 2X4 T8 PRISMATIC TROFFER	LBO	2L QHE/ISL F028/850XV		
22	M-RR	2	3L 2X4 T8 RTROFFER	LBO	3L QHE/ISL F028/850XV		
23	W-RR	2	3L 2X4 T8 RTROFFER	LBO	3L QHE/ISL F028/850XV		
40	ADITORIUM	19	3L 2X4 T8 RTROFFER	LBO	3L QHE/ISL F028/850XV		
42	STAGE	4	4L 2X4 TROFFER	LBO	4L QHE/ISL F028/850XV		
						<b>Subtotal B</b>	

56	EXTERIOR	2	300W HAT A-LINE FLOOD	RL	40CFL RELAMP		
58	EXTERIOR	2	90W PAR WALL FLOOD	NEW	NEW 42W CF FLOOD		
57	EXTERIOR	1	70W HID WP	NEW	NEW 42W CF WP MEDIUM		
54	EXTERIOR	9	250W HID FLOOD	NEW	NEW 84W CF FLOOD		
55	EXTERIOR	4	400W HID FLOOD	NEW	NEW D-823 120 LED FLOOD		
53	EXTERIOR	2	BARN LT 250W HID	NEW	NEW D-BARN 40W LED		
36	CUSTODIAL	4	65W INC	RL	RELAMP W/ 23WCF		
						<b>Subtotal C</b>	

SERVICE PROVIDER	SCHOOL DISTRICT
	<b>Sunnyside Union Elementary School</b> <b>21644 Avenue 196</b> <b>Strathmore, California 93267</b>
<b>Prop 39 Measures</b>	

Total Amount  
(Subtotal A+B+C)

Authorized Signature

Date:

Printed Name



