

Serna Addendum to Houston Elementary School: Energy Efficiency Measures Summary

ECM #	Type	Measure Description	kW Reduction	kWh Reduction	Total \$ Saved	CO2 Offset
1	EEM (lighting)	Retrofit Interior Linear Fluorescent Recessed Troffer Lighting with LED Retrofit and Integral Controls	4.4	9,948	\$ 2,616	1.9
6	EEM (lighting)	Replace Select Exterior Lighting with LED Fixtures	0.2	1,109	\$ 207	0.2
TOTAL			4.6	11,057	\$ 2,824	2.1

Notes:

1. CO2 Reductions are in metric tons, using California EGRID 2018 annual output emission rate of 0.000191429 met
2. kWh, Therm, \$, and CO2 Reductions are shown here as annual totals

Serna Addendum to Houston Elementary School: Retrofit Interior Linear Fluorescent Recessed Troffer Lighting with LED Retrofit and Integral Controls																				
#	Building: Room/Area	Fixture Type	Lighting (Pre)	Fixture Code (PRE)	OCS (Y/N)	Lighting (Post)	Pre-Watts	# Fixt	Lamps per Fixture	Post-Watts	Pre-Hours	Pre-kW	Pre-kWh	Post-Hrs	Post-kW	Post kWh	kW Saved	kWh Saved	\$ Saved	CO2e Offset (mt/yr)
1	Portable Bldg: P26	2'X4' Rec. Troffer	F32T84L	F44ILL	N	LED 34-Watt 2'x4' Retrofit w/ Ctrls	112	10	4	34	1,950	1.1	2,184	1,365	0.4	557	0.7	1,627	\$ 428	0.31
2	Portable Bldg: P27	2'X4' Rec. Troffer	F32T84L	F44ILL	N	LED 34-Watt 2'x4' Retrofit w/ Ctrls	112	10	4	34	1,950	1.1	2,184	1,365	0.4	557	0.7	1,627	\$ 428	0.31
3	Portable Bldg: P28	2'X4' Rec. Troffer	F32T84L	F44ILL	N	LED 34-Watt 2'x4' Retrofit w/ Ctrls	112	10	4	34	1,950	1.1	2,184	1,365	0.4	557	0.7	1,627	\$ 428	0.31
4	Portable Bldg: P29	2'X4' Rec. Troffer	F32T84L	F44ILL	N	LED 34-Watt 2'x4' Retrofit w/ Ctrls	112	10	4	34	1,950	1.1	2,184	1,365	0.4	557	0.7	1,627	\$ 428	0.31
5	Portable Bldg: P30	2'X4' Rec. Troffer	F32T84L	F44ILL	N	LED 34-Watt 2'x4' Retrofit w/ Ctrls	112	10	4	34	1,950	1.1	2,184	1,365	0.3	464	0.8	1,720	\$ 452	0.33
6	Portable Bldg: P31	2'X4' Rec. Troffer	F32T84L	F44ILL	N	LED 34-Watt 2'x4' Retrofit w/ Ctrls	112	10	4	34	1,950	1.1	2,184	1,365	0.3	464	0.8	1,720	\$ 452	0.33
ANNUAL TOTAL								60				6.7	13,104		2.3	3,156	4.4	9,948	\$ 2,616	1.90

Notes:

1. Pre-Hours Estimate from Audit and information provided by Facility Staff.
2. No incentives or rebates are currently available for this measure.
3. Electric savings based on 12-month blended historical electric cost.
4. Cost based on TURNKEY ESTIMATE - installed.

Serna Addendum to Houston Elementary School: Replace Select Exterior Lighting with LED Fixtures																			
#	Area Served	Fixture Type	Lighting (Pre)	Lighting (Post)	Pre-Watts	# Fixt	Lamps per Fixture	Post-Watts	Post # Fixt	Pre-Hours	Pre-kW	Pre-kWh	Post-Hrs	Post-kW	Post-kWh	kW Saved	kWh Saved	\$ Saved	CO2e Offset (mt/yr)
1	Portable	Porch Light	CFT 18W 2L	LED 15-Watt Wallpack w/ Photocell	45	6	2	15	6	5,475	0.3	1,478	4,100	0.1	369	0.2	1,109	\$ 207	0.21
ANNUAL TOTAL						6			6		0.3	1,478		0.1	369	0.2	1,109	\$ 207	0.21

Notes:

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