



Your Partner for Green Facilities, Sustainability and Clean Technologies

ENERGY EXPENDITURE PLAN



The Growing Place

401 Ashland Avenue

Santa Monica, CA 90405

P: (310) 399-7769

PREPARED FOR:

California Energy Commission

Energy Division

Local Assistance and Financing Office, MS-23

1516 Ninth Street

Sacramento, Ca 95814



PREPARED ON: 5/17/2017



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Section 1: Facility Background

The Growing Place

The Growing Place is located at 401 Ashland Avenue in Santa Monica, CA 90405. It is a high school serving approximately 82 students ranging from grades Pre-K to Kindergarten and provides instruction using 1 permanent buildings. The total amount of occupied space is 8,572 SF. For a complete map of the campus, see Appendix A.

The campus operates on an academic calendar that begins in late August and ends in late June. Winter Break is a two week break that begins at the end of December and goes to the first week of January. Spring Break is a one week break that begins in early-April. School is in session beginning at 7:30 a.m. and continuing until 6:00 p.m., Monday through Friday. For a complete academic calendar and bell schedule, refer to Appendix A.













Utility Costs and Rate Schedules

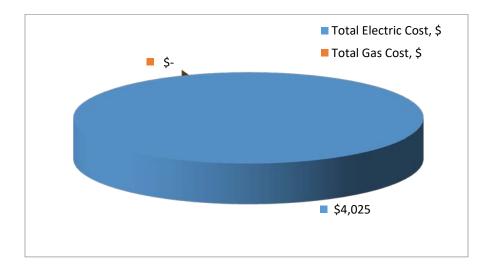
The Growing Place facilities receive electricity services from Southern California Edison (SCE) and does not receive gas services. Monthly utility data is considered separately for each utility meter and each energy type (electricity, natural gas, propane, diesel, and water).

The following is a list of the meters associated with each energy type utilized at The Growing Place:

Table 1: Elec	tric Meter Numbe	ers and Rate
	Schedules	
Account	Meter	Rate Schedule
Number	Number	
3-001-1511-62	223000-	TOU-GS-1-B
	016226	

Table 2: Gas o	r Propane Meter	Numbers
and	Rate Schedules	
Account	Meter	Rate
Number	Number	Schedule
N/A	N/A	N/A

The utility data provided uses the data recovered from each of these meters during the period of July, 2015 to June, 2016. The cost comparison of The Growing Place's gas and electricity costs can be seen in the table below:











Benchmarking

As part of the site evaluation we determined the Energy Utilization Analysis (EUA) to provide important information about the energy usage of the school. Listed in the table below is the Benchmarking Report for The Growing Place:

		Energy L	Jse Inte	nsity Calculator		
Elect	ricity		Natur	al Gas	Other	Fuels
1.40	W/SF		0.00	Therms/SF	0.00	Gals/SF
2.76	kWh/SF	\$	0.00	Cost/SF	\$ 0.00	Cost/SF
\$ 0.47	Cost/SF					
Energy Costs/S	F/Year	9	\$ 0.47	Energy Use(Kbt	tu)/SF/Year	29.60

The main purpose of this report is to assess the current energy usage of The Growing Place. Energy consumption is analyzed compared to the site's actual weather data expressed in Cooling Degree Days (CDD) & Heating Degree Days (HDD). Graphs comparing the energy consumption to the CDD and HDD can be found in Appendix B.

The Baseline Energy Utilization Analysis (EUA) report compiles the monthly energy data from all meters on site. The EUA is useful in identifying critical energy consuming benchmarks like kWh/SF, kBtu/SF, and Cost/SF for each fuel type and individual school site. This report is a great resource to have for identifying the lowest energy performing schools. The report ranking will present the schools that consume the most energy when compared to others within the district or other comparable districts. The considered school is rated at 2.76 kWh/SF/yr.

The baseline EUA summary of all the meters for The Growing Place can be found in Appendix B.











Section 2: Energy Efficiency Measures (EEM) Summary

Energy savings are based on the difference between annual energy use under existing conditions and annual energy use under proposed conditions. These annual energy savings, and the corresponding annual energy cost savings, are used to determine the cost–effectiveness of the projects. Demand savings are calculated as the different between the electricity demand of the existing equipment and electricity demand of proposed equipment. The table below shows the Energy Efficiency Measures proposed and the corresponding savings associated with them.

EEM Number	Energy Efficiency Measure	Demand Savings (kW)	Electricity Savings (kWH/yr)	Natural Gas or Fuel Savings (therms or gal/yr)	Annual Cost Savings (\$)	Rebates and Grants (\$)	Installed Measure Cost (\$)
Lighting	Lighting – Interior Fixture Retrofit	4	6,458		\$1,098.00	\$13,000.00	\$26,455.00
Lighting	Lighting – Exterior Fixture Retrofit	1	1,922		\$327.00	\$6,500.00	\$13,847.00
Lighting	Lighting – Retrofit Interior Lamps to LED	0	77		\$13.00	\$0.00	\$753.00
	Totals	5	8,457		\$1,438.00	\$19,500.00	\$41,055.00









Lighting Systems Retrofit

A significant portion of a facilities electrical costs comes from lighting, making lighting retrofits one of the quickest and simplest methods for reducing utility costs. In most cases the retrofits will result in improved light quality and reduced maintenance costs in addition to the estimated energy savings.

The method used for calculating energy savings is outlined below:

Annual Saving, \$ = (Existing Watts - New Watts) / 1000 x Hours/Year x Utility Rate x N Where,

Existing Watts – Wattage rating for the existing (Baseline) light fixture

New Watts – New wattage rating for the existing light fixture

Hours/Year – Annual number of "burn-hours" (run hours for different areas; see

detailed audit in Appendix C)

Utility Rate – Actual weighted composite utility rate, \$/kWh

N – Number of light fixtures of the particular type (see below & in Appendix

C for the actual quantities).

The current interior lighting systems in the Growing Place buildings consist of a combination of 1st generation T-8, T-12, compact fluorescent, and incandescent lamps and fixtures. Following examination of the data collected, a full retrofit of the lighting system with LED lamps and fixtures is recommended.

The current exterior lighting systems in the Growing Place buildings consist of compact fluorescent, high pressure sodium, and incandescent lamps and fixtures. Following examination of the data collected, a full retrofit of the lighting system with LED lamps and fixtures is recommended.

This retrofit will generate more saving, electrical demand reduction and better payback than other Energy Conservation Measures such as HVAC replacements. Upon installment of the new system, the campus will conserve 5.569 kW and 8,456 kWh per year. The cost savings per year will be approximately \$1,437.54. A full detailed audit of the current lighting system implemented in the entire campus can be found in Appendix C.











Appendix – A

School Schedules and Maps











Daily Bell Schedule and Academic Calendar

- 7:30 9:00 Arrival And Greeting Time
- 9:00 -11:30 Our Core Learning Hours
- 11:30 2:30 Meals, Transitions and Rest Time
- 2:30 5:00 Outside Exploration Time
- 5:00 6:00 Reuniting With Parents



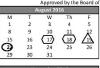








SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT 2016-2017 District Calendar





		16	tober 20	00	
M	F	Th	W	T	M
	7	6	5	4	ž
7	14	13	12	11	10
14	21	20	19	18	17
21	28	27	26	25	24
28	10000				31

	Nov	rember 2	016	
М	T	w	Th	Я
	1	2	3 _	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30		

12	13	14	15	16
19	20	21	22	23
26	27	28	29	30
	Dec	ember 2	016	
M	T	W	Th	F
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	-27	28	29	30

	Ja	nuary 20	17	
M	Т	W	Th	F
N ²	3	4	5	- 6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30	31			

	Fel	oruary 20	17	
M	T	W	Th	F
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28			

	N	larch 20:		
M	T	W	Th	F
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	31

	,	April 201	7	
M	T	W	Th	F
3	4	5	6	Ť
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28









Legend:
= First/Last Day of School
= Legal Holiday
= Local Holiday (schools/offices closed)
= School Recess (classes not in session)
= Pupil Free Day (no school for students)

= Pupil Free Day (no school for students)
= Elem. Pupil Free Day (no school -elem students)
= Sec. Pupil Free Day (no school -sec students) = Minimum Day for all students

= Certificated Staff Development Days



Employee Work Dates:

Emboyee Work Islaes: Sept. 1, 2016-June 93, 2017:* Classified 11-Month "must work 22 days in July/August, 2016 Aug. 8, 2016-June 21, 2017: Classified 10 - 10 Aug. 15, 2016-June 14, 2017: Classified 10-Month Aug. 17, 2016-June 9, 2017: Certificated/184 Days Aug. 18, 2016-June 9, 2017: Certificated/184 Days Aug. 19, 2016-June 9, 2017: Classified School Year

Teacher Work Days: 184 Student Days: 180

1st Semester: Aug. 22 - Dec. 23 (84 days) 2nd Semester: Jan. 10 - June 9 (96 days)

First Day of Instruction: - Monday, August 22, 2016

Last Day of Instruction: - Friday, June 9, 2017

Certificated Staff Development Days

(No Students) - Wednesday, August 17, 2016 - Thursday, August 18, 2016

-Thursday, August 18, 2016

HOLIDAYS:
July 4: 4th of July Holiday
Sept. 5: Labor Day Holiday
Oct 12: Local Holiday
Oct 12: Local Holiday
Nov. 24: Thanksgiving Holiday
Nov. 24: Thanksgiving Holiday
Nov. 25: Legal Holiday
Nov. 25: Legal Holiday
Dec. 26, 27: Winter Holidays
Dec. 30, 2n 2: New Years Holidays
Jan 15: Martin Luther King Jr. Holiday
Peb. 20: Presidents' Day Holiday
Apr. 7: Local Holiday
Apr. 14: Legal Holiday (Locol's Yelay

May 29: Memorial Day Holiday

SCHOOL RECESSES; Dec. 26 - Jan 6: Winter Recess Apr 3 - Apr 14: Spring Recess

PUPIL-FREE DAYS: Aug. 17: All Students Aug. 18: All Students Aug. 19: All Students Nov. 4: Elementary Students Only Jan. 9: Secondary Students Only

MINIMUM DAYS:

MINIMUM DAYS: TK/Kindergarten: Aug. 22, Aug. 23, 30, Nov. 7, 8, 9, 10, 23, Dec. 23, May 25, June 9

Elementary: Aug. 22, 30, Sept. 6, Nov. 7, 8, 9, 10, 23, Dec. 23, May 25, June 9

Santa Monica Middle Schools: Sept. 8, Nov. 23, Dec. 23, Mar. 31, Apr. 27, June 8, June 9, +1 discretionary

Malibu MS/HS: Sept. 8, 15, Nov. 23, Dec. 21, 22, 23, March 9, June 6, 7, 8 + 1 discretionary

Samohi: Sept. 15, Dec. 20, 21, 22, 23, Mar. 9, June 5, 6, 7, 8

Olympic HS: Sept. 20, Nov. 23, Dec. 23, May 2, June 1, 2, 5, 6, 7, 8, 9

Back to School Nights: Tues. Aug. 30 - Elem TK-2 Tues. Sept. 6 - Elem 3-5 Thurs. Sept. 8 - Middle School Thurs. Sept. 15 - High School Tues. Sept. 20 - Olympic HS

Open House Nights:

Open House Nights: Thurs. May 25 - Elementary Thurs. April 27 - SM Middle Schools Thurs. March 9 - Mallbu MS/HS and Samohi Tues. May 2 - Olympic HS

Promotions/Graduations:

Wed. June 7 - Elementary Fri. June 9 - Middle School Thurs. June 8 - MHS 2:00 pm - Samohi 5:30 pm Wed. May 31 - Olympic HS 5:30 pm

Parent Conference Davs (TK-5): Nov. 4 - Nov. 10, 2016

Testing Dates: expected, not confirm AP Testing: May 1- May 12, 2017 STAR: April 20 - May 18, 2017 SBAC: April 20 - May 29, 2017

TK/Kindergarten Roundup: Jan. 30 - Feb. 10, 2017

Final Exams: Malibu MS/HS: Dec. 21-23, 2016 June 6-8, 2017 Samohi: Dec. 20-23, 2016 June 5-8, 2017

Summer School: IISS: June 19-July 14, 2017 Credit Recovery: June 19-Jul 21, 2017 ESY: June 19-July 14, 2017

TK-5 Grading Periods: Conference: Nov. 4, 2016 Winter Grading: Feb. 10, 2017 Spring Grading: June 9, 2017

6-12 Grading Periods

6-12 Grading Periods Aug. 22 - Sept. 30, 2016 Oct. 4 - Nov. 10, 2016 Nov. 14 - Dec. 23, 2016 Jan. 9 - Feb. 24, 2017 Feb. 27 - April 28, 2017 May 1 - June 9, 2017

3/5/15







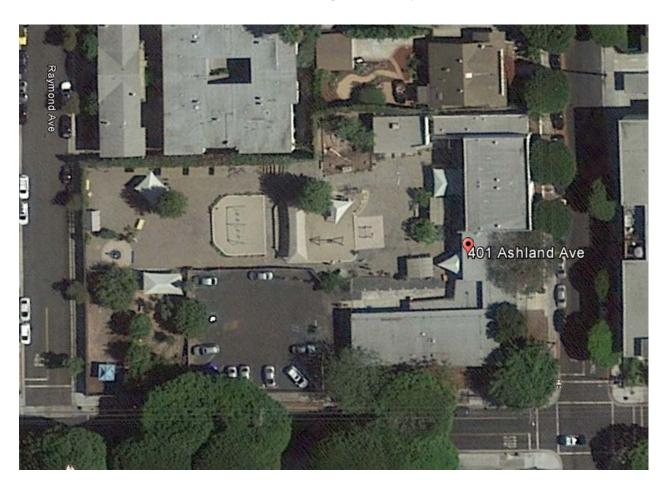








The Growing Place Map













Appendix – B

Energy Utilization Analysis









Customer Name: Santa Monica-Malibu USD

Facility Name: The Growing Place

Facility Location: 401 Ashland Avenue

Sq. Ft. (conditioned space): 8,572

Billing Period

FROM: <u>Jul-15</u> TO: Jun-16

Elec Utility Nam	e:	SCE	Natural Gas Utility Name:	SCG		
					Rate	
Account #	Meter #	Rate Schedule	Account #	Meter #	Schedule	
2-07-030-4431	223000-016226	TOU-GS-1-B	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	

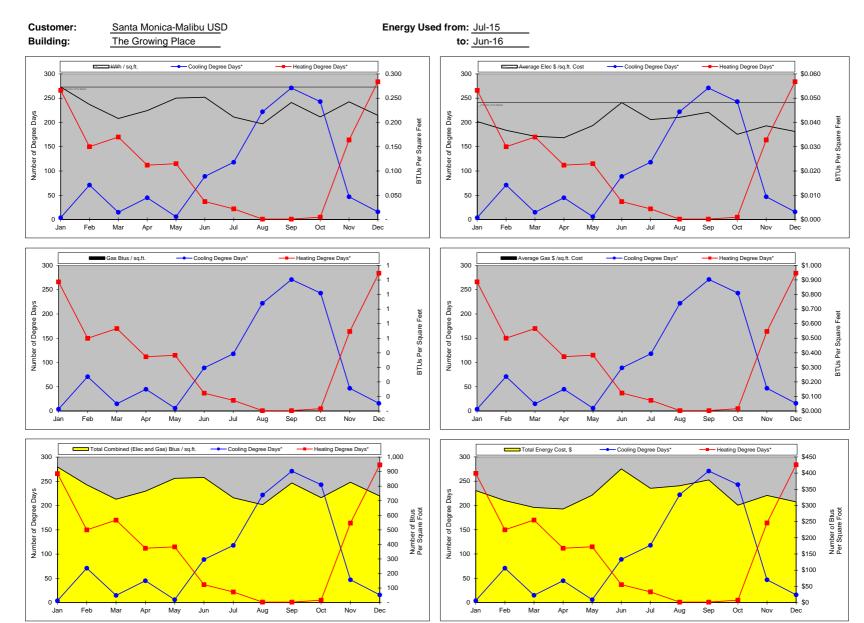
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL ANNUAL
Cooling Degree Days* Heating Degree Days*	4 266	71 150	15 170	45 112	6 115	89 37	118 22	222 1	271 1	243 5	47 164	16 284	1,147 1,327
Days in Billing Period electric natural gas	29 0	32 #DIV/0!	30 #DIV/0!	29 #DIV/0!	32 #DIV/0!	30 #DIV/0!	29 #DIV/0!	29 #DIV/0!	32 #DIV/0!	30 #DIV/0!	33 #DIV/0!	30 #DIV/0!	365 #DIV/0!
Electric Usage kWh per Billing Cycle \$ for kWh Billed Max kW Billed \$ for kW Billed Total Electric Cost, \$ Ave. Daily Electric Cost, \$ Average \$/kWh Cost Average Elec \$/sq.ft. Cost kWh / sq.ft.	2,341 \$234 13 \$112 \$346 \$12 \$0.148 \$0.040 0.273	2,033 \$203 13 \$112 \$315 \$10 \$0.155 \$0.037 0.237	1,784 \$182 13 \$112 \$294 \$10 \$0.165 \$0.034 0.208	1,923 \$194 11 \$95 \$289 \$10 \$0.150 \$0.034 0.224	2,144 \$208 13 \$124 \$332 \$10 \$0.155 \$0.039 0.250	2,160 \$192 13 \$221 \$413 \$14 \$0.191 \$0.048 0.252	1,810 \$187 10 \$166 \$353 \$12 \$0.195 \$0.041 0.211	1,690 \$179 10 \$182 \$361 \$12 \$0.214 \$0.042 0.197		1,811 \$229 10 \$72 \$301 \$10 \$0.166 \$0.035 0.211	2,078 \$251 11 \$80 \$331 \$10 \$0.159 \$0.039 0.242	1,839 \$214 13 \$97 \$311 \$10 \$0.169 \$0.036 0.215	\$ 0.170
Natural Gas Usage Therms per Billing Cycle Total Gas Cost, \$ Ave. Daily Gas Cost, \$ Average \$/therm Cost Average Gas \$ /sq.ft. Cost Gas Btus / sq.ft.	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000	- \$0 #DIV/0! #DIV/0! \$0.000		- \$ - #DIV/0! #DIV/0! \$ -
Total Energy Usage ombined (Elec and Gas) Btus / sq.ft. Total Energy Cost, \$ Ave. Energy \$/sq.ft./period	932 \$346 \$0.04	809 \$315 \$0.04	710 \$294 \$0.03	766 \$289 \$0.03	854 \$332 \$0.04	860 \$413 \$0.05	721 \$353 \$0.04	673 \$361 \$0.04	823 \$379 \$0.04	721 \$301 \$0.04	827 \$331 \$0.04	732 \$311 \$0.04	9,428 \$4,025 \$0.47

^{*} Notes:

¹⁾ Heating degree days and cooling degree days are based on 65 F.

²⁾ Heating degree days and cooling degree days are based on Santa Monica weather data.

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Appendix – C

Lighting Systems Audit







cost per kwh 0.17

School Distric Santa Monica-Malibu USD - LED Option Address: 0

School: GROWING PLACE School Addre 401 ASHLAND 0

				LED Option						11.39	5.82	17,345.10	8,889.00	8,456.10	1,437.54
#				·											
🖥															
A															
© INTERIOR/E					PROPOSED FIXT										
	SCHOOL	ROOM	LIGHTING CODE (EXISTING)	ECM		EXIST WATT	PROP WATT	EXIST OPER HRS	PROP OPER HRS	EXISTING KW	PROPOSED KW	EXISTING KWH	PROPOSED KWH	SAVED KWH AN	IN SAVINGS
	GROWING PLACE 401 AS			(LED)3L 12T8/4F/850/DIR, 97740 (1) QHE3X32UNV/ISN	5	87	7	48 1700		0.435				331.5 \$	56.36
2177 INTERIOR NTA MONICA-MALIBU L	GROWING PLACE 401 AS	ADMINISTRATION	CF/S-TWST-13W-2L-SELF-X-X	(LED)2L A19 8W 5000K E26, 455600	2	26	3	16 1700	1700	0.052	0.032	88.4	54.4	34 \$	5.78
2178 INTERIOR NTA MONICA-MALIBU L	GROWING PLACE 401 AS	ADMINISTRATION	CF/S-TWST-13W-2L-SELF-X-X	(LED)2L A19 8W 5000K E26, 455600	2	26	6	16 1700	1700	0.052	0.032	88.4	54.4	34 \$	5.78
			CF/S-TWST-13W-1L-SELF-X-X	(LED)1L A19 8W 5000K E26, 455600	3	13	3	8 1700			0.024			25.5 \$	4.34
			LED/I-RC/6IN-14W-INT-DRIV-X-X		10	17		17 1700						0 \$	-
	GROWING PLACE 401 AS			(LED)4L 12T8/4F/850/DIR, 97740 (1) QHE4X32UNV/ISN	1	112		64 1700						81.6 \$	13.87
	GROWING PLACE 401 AS		T8-4'-32W-4L-EB/ISN-X-X	(LED)4L 12T8/4F/850/DIR, 97740 (1) QHE4X32UNV/ISN	2	112		64 1700						163.2 \$	27.74
	GROWING PLACE 401 AS		T8-4'-32W-2L-EB/ISN-X-X	(LED)2L 12T8/4F/850/DIR, 97740 (1) QHE2X32UNV/ISN	5	59		32 1700						229.5 \$	39.02
	GROWING PLACE 401 AS		CF/S-TWST-13W-2L-SELF-X-X	(LED)2L A19 8W 5000K E26, 455600	1	26	1	16 1700		0.026				17 \$	2.89
	GROWING PLACE 401 AS GROWING PLACE 401 AS		CF/4P-DOUB-26W-2L-EB-X-X T8-4'-32W-4L-EB/ISN-I/O-X	(LED)NEW INFINILUX 12X12 SURFACE CANOPY CLSD-XX2 (LED)4L 12T8/4F/850/DIR. 97740 (2) QHE2X32UNV/ISN	1 3	51 118		23 1700 64 1700			0.023 0.192			47.6 \$ 275.4 \$	8.09 46.82
	GROWING PLACE 401 AS		T8-4'-32W-4L-EB/ISN-I/O-X	(LED)2L 12T8/4F/850/DIR, 97740 (2) QHE2X32UNV/ISN AND	3	50		32 1700		0.334	0.192			137.7 \$	23.41
	GROWING PLACE 401 AS		CF/S-R40-23W-1L-SELF-X-X	(LED)1L GREEN CREATIVE 17PAR38G4/930FL40/277V. 161	10	23	3	17 1500						90 \$	15.30
2189 EXTERIOR NTA MONICA-MALIBU L			T8-4'-32W-2L-EB/ISN-X-X	(LED)2L 12T8/4F/850/DIR. 97740 (1) QHE2X32UNV/ISN	5	59		32 1500						202.5 \$	34.43
	GROWING PLACE 401 AS		CF/S-TWST-23W-1L-SELF-X-X	(LED) 1L GREEN CREATIVE A19 9W E26 4000K 850 LM DIN	1 3	23		9 1500						63 \$	10.71
2191 EXTERIOR NTA MONICA-MALIBU L	GROWING PLACE 401 AS	HEXTERIOR	HPS-MED-70W-1L-CWA-X-X	(LED)NEW DECO MEDIUM FLOOD D211-LED-20-50-UNV-PO	1	95		20 1500						112.5 \$	19.13
2192 EXTERIOR NTA MONICA-MALIBU L	GROWING PLACE 401 AS	EXTERIOR	I/S-A19-60W-1L-NONE-X-X	(LED)NEW DECO WALLPACK CUTOFF VINCI-20-50-UNV-B	1	60)	20 1500	1500	0.06	0.02	90	30	60 \$	10.20
2193 EXTERIOR NTA MONICA-MALIBU L			HPS-MED-70W-1L-CWA-X-X	(LED)NEW DECO 20W PORCHLIGHT WALLPACK D411-LED	3	95	5	20 1500	1500	0.285	0.06	427.5	90	337.5 \$	57.38
	GROWING PLACE 401 AS		LED/I-WP-20W-INT-DRIV-X-X	EXCLUDED/NO CHANGE	3	23	3	23 1500						0 \$	-
	GROWING PLACE 401 AS		T8-4'-32W-2L-EB/ISN-X-X	(LED)2L 12T8/4F/850/DIR, 97740 (1) QHE2X32UNV/ISN	24	59)	32 1500			0.768			972 \$	165.24
	GROWING PLACE 401 AS		CF/S-TWST-13W-2L-SELF-X-X	(LED)2L A19 8W 5000K E26, 455600	6	26		16 1500						90 \$	15.30
	GROWING PLACE 401 AS			(LED)1L A19 8W 5000K E26, 455600	3	13	<u> </u>	8 1500						22.5 \$	3.83
	GROWING PLACE 401 AS		T8-4'-32W-2L-EB/ISN-X-X	(LED)2L 12T8/4F/850/DIR, 97740 (1) QHE2X32UNV/ISN	22	59		32 1500						891 \$	151.47
	GROWING PLACE 401 AS			(LED)2L A19 8W 5000K E26, 455600	2	26		16 1500						30 \$	5.10
	GROWING PLACE 401 AS GROWING PLACE 401 AS		I/S-A19-60W-1L-NONE-X-X T8-4'-32W-2L-EB/ISN-X-X	(LED) 1L GREEN CREATIVE A19 9W E26 4000K 850 LM DIN (LED)2L 12T8/4F/850/DIR, 97740 (1) QHE2X32UNV/ISN	1 18	59		9 1500 32 1500						76.5 \$ 729 \$	13.01 123.93
	GROWING PLACE 401 AS			(LED)2L A19 8W 5000K E26. 455600	4	26		32 1500 16 1500						60 \$	10.20
	GROWING PLACE 401 AS		T8-4'-32W-2L-EB/ISN-X-X	(LED)2L 12T8/4F/850/DIR, 97740 (1) QHE2X32UNV/ISN	18	50		32 1500		1.062				729 \$	123.93
	GROWING PLACE 401 AS		T12-4'-34RW-2L-MB/IS-X-X	(LED)2L 12T8/4F/850/DIR. 97740 (1) QHE2X32UNV/ISN	1	72		32 1500						60 \$	10.20
	GROWING PLACE 401 AS		T12-8'-75W-2L-MB/IS-X-X	(LED)NEW 8' WRAP W/ (4)12T8/4F/850/DIR AND (1)QHE4X3		123		64 1500						708 \$	120.36
	GROWING PLACE 401 AS		T12-4'-34RW-2L-MB/IS-X-X	(LED)2L 12T8/4F/850/DIR, 97740 (1) QHE2X32UNV/ISN	1	72	2	32 1500						60 \$	10.20
2207 INTERIOR NTA MONICA-MALIBU L	GROWING PLACE 401 AS		T12-8'-75W-2L-MB/IS-X-X	(LED)NEW 8' WRAP W/ (4)12T8/4F/850/DIR AND (1)QHE4X3	8	123	3	64 1500	1500				768	708 \$	120.36
2208 EXTERIOR NTA MONICA-MALIBU L	GROWING PLACE 401 AS	EXTERIOR	I/S-A19-60W-3L-NONE-X-X	(LED)3L A19 8W 5000K E26, 455600	3	180		24 1500	1500	0.54	0.072	810	108	702 \$	119.34
2209 INTERIOR NTA MONICA-MALIBU L	GROWING PLACE 401 AS	LOCKED CLOSETS	T8-4'-32W-2L-EB/ISN-X-X	(LED)2L 12T8/4F/850/DIR, 97740 (1) QHE2X32UNV/ISN	2	59		32 400	400	0.118	0.064	47.2	25.6	21.6 \$	3.67
2210 EXTERIOR NTA MONICA-MALIBU L	GROWING PLACE 401 AS	HEXTERIOR	HPS-MED-100W-1L-CWA-X-X	(LED)NEW DECO MEDIUM FLOOD D211-LED-20-50-UNV-PO	2	138	3	20 1500	1500					354 \$	60.18
·					·	·	·	·		11.385	5.816	17345.1	8889	8456.1 \$	1,437.54

		kW save	ed	kWh saved	\$ save	d
EXTERIOR	1.85	0.57	1.281	1,921.5	50	326
EXIT SIGNS			0			
INTERIOR	9.48	5.24	4.24	6,45	8 \$	1,097
INCAND to LED	0.06	0.01	0.05	76.5	50	13
			5.569	8,45	6 \$	1,437