



California Energy Commission



Proposition 39 K-12 Program and Energy Conservation Assistance Act 2016-2017 Progress Report

**Citizens Oversight Board
February 23, 2018**



Agenda

- Report Overview
- Proposition 39 K-12 Program
- Energy Conservation Assistance Act, Education Subaccount (ECAA-Ed)
- Bright Schools Program
- Questions



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Report Overview



Energy Commission's Report to the Citizens Oversight Board

- **Report includes three program components:**
 - Proposition 39 K-12 Program (*Grants*)
 - Energy Conservation Assistance Act - Education Subaccount (*Loans*)
 - Bright Schools Program (*Technical Assistance*)
- **Reporting period:**
 - December 19, 2013 through June 30, 2017



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Clean Energy Job Creation Fund Allocations

(2013-14, 2014-15, 2015-16, and 2016-17)

	FY 2013-14 <i>(in millions)</i>	FY 2014-15 <i>(in millions)</i>	FY 2015-16 <i>(in millions)</i>	FY 2016-17 <i>(in millions)</i>	TOTALS <i>(in millions)</i>
K-12 Program	\$381	\$279	\$313.4	\$398.8	\$1,372
ECAA-Ed: (Loans and technical assistance)	\$28	\$28	\$0	\$0	\$56
TOTALS	\$409	\$307	\$313.4	\$398.8	\$1,428



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Proposition 39 K-12 Program

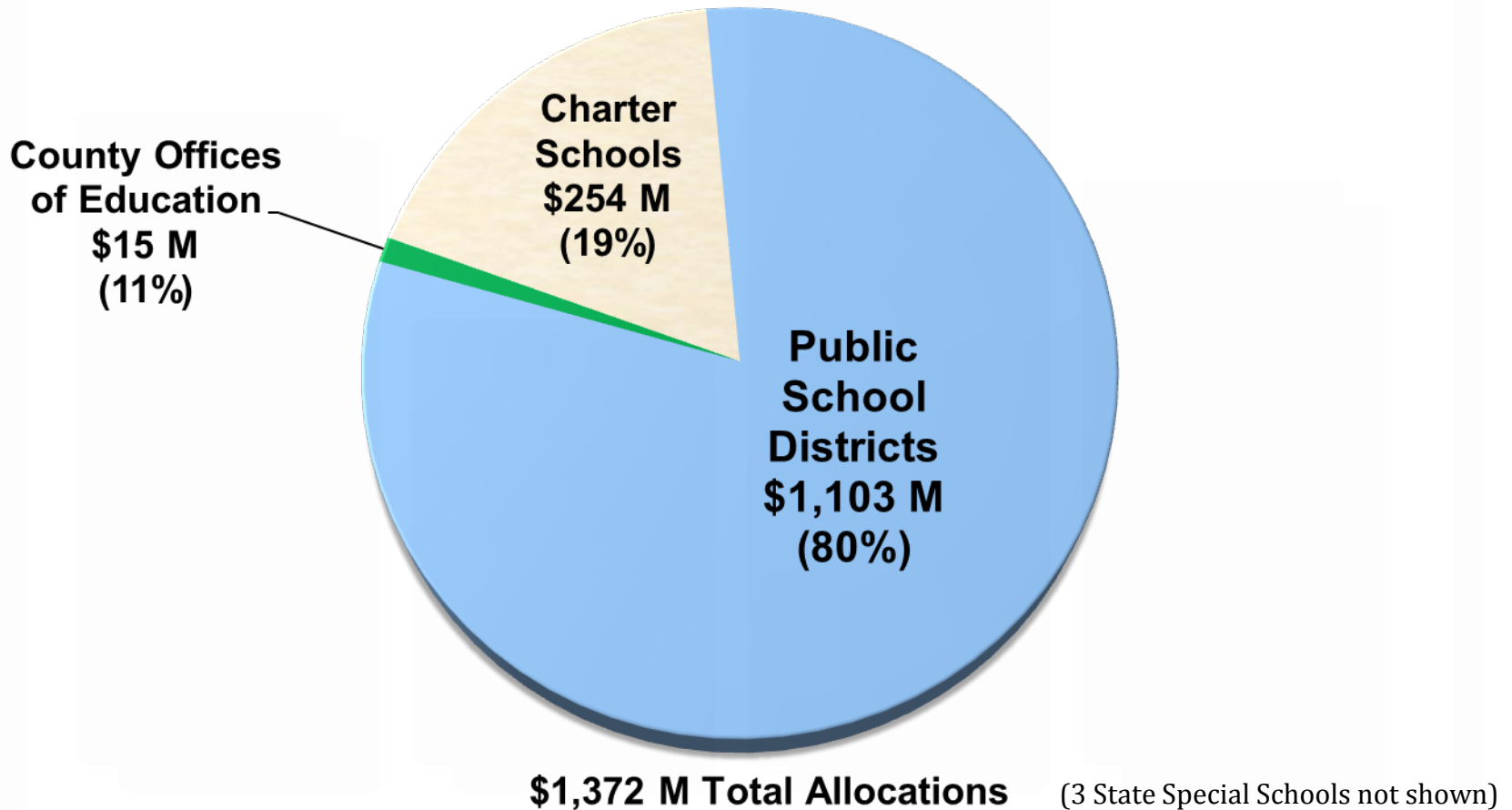


Overview of Application Process

1. LEAs complete and submit EEP application using online system
2. Staffs review and approve EEP
3. CEC notifies CDE of approved applications (weekly)
4. CDE distributes funding to LEA (quarterly)

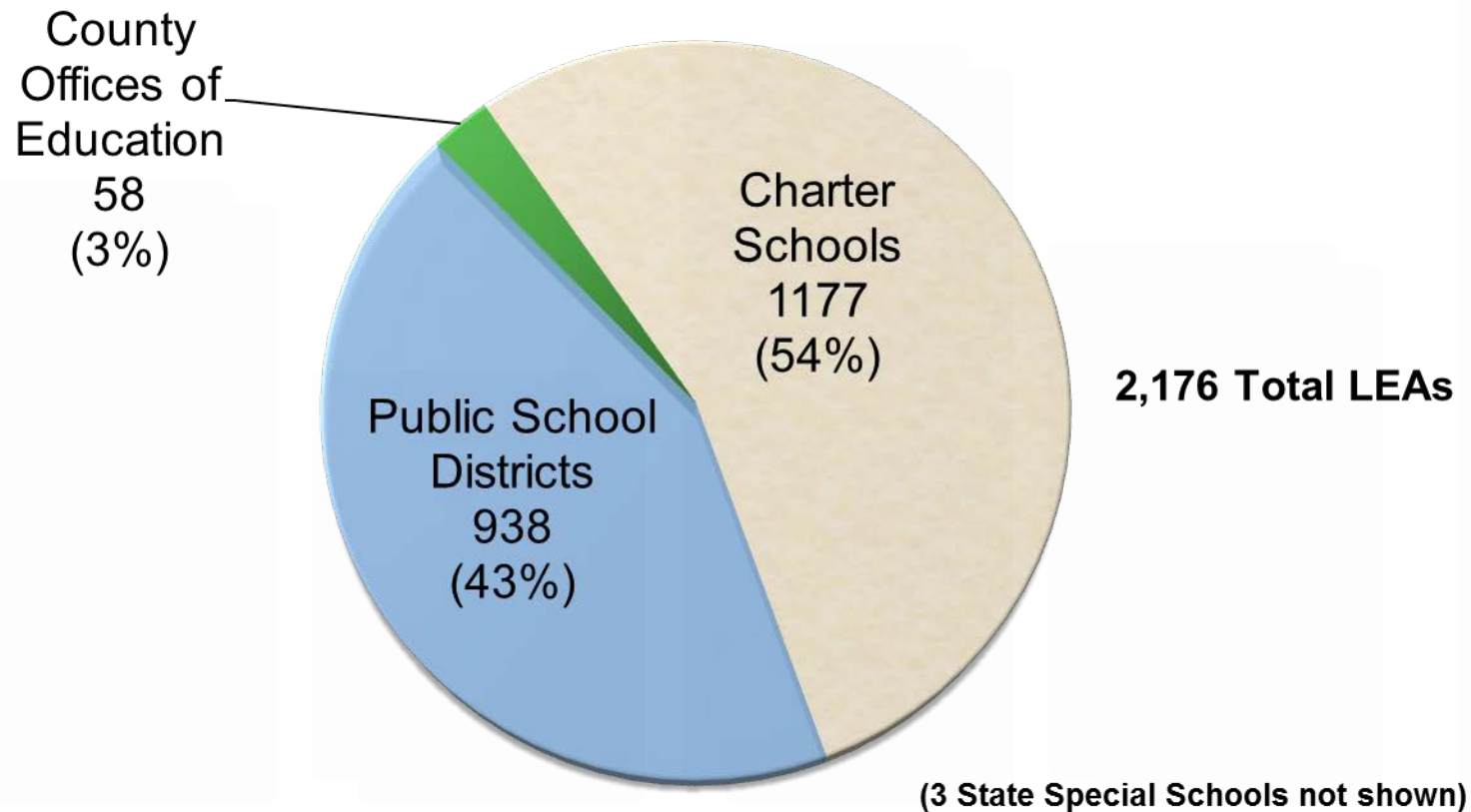


Funding Allocation by LEA Type



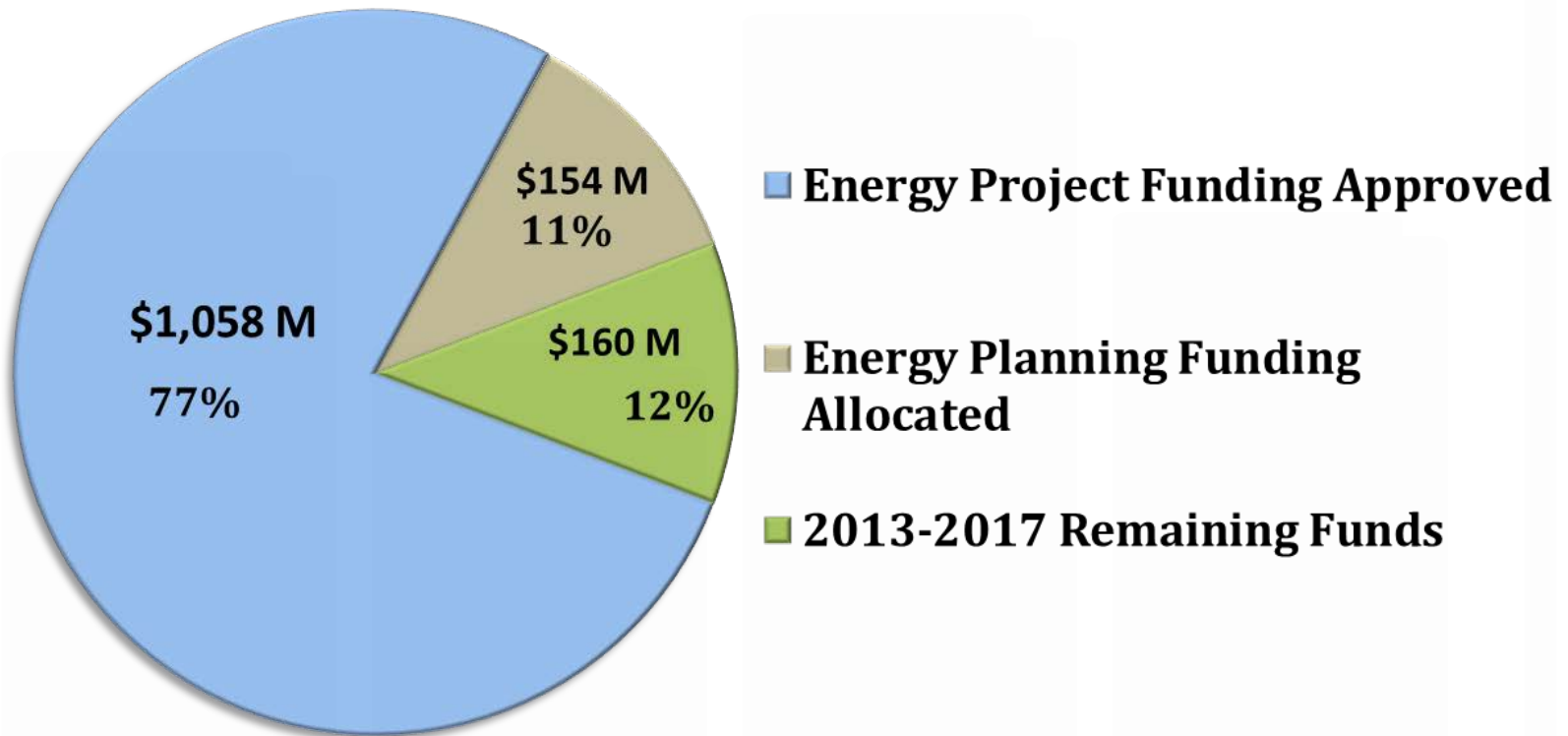


LEA Distribution





Proposition 39 K-12 Program Overall Funding Status (as of June 30, 2017)

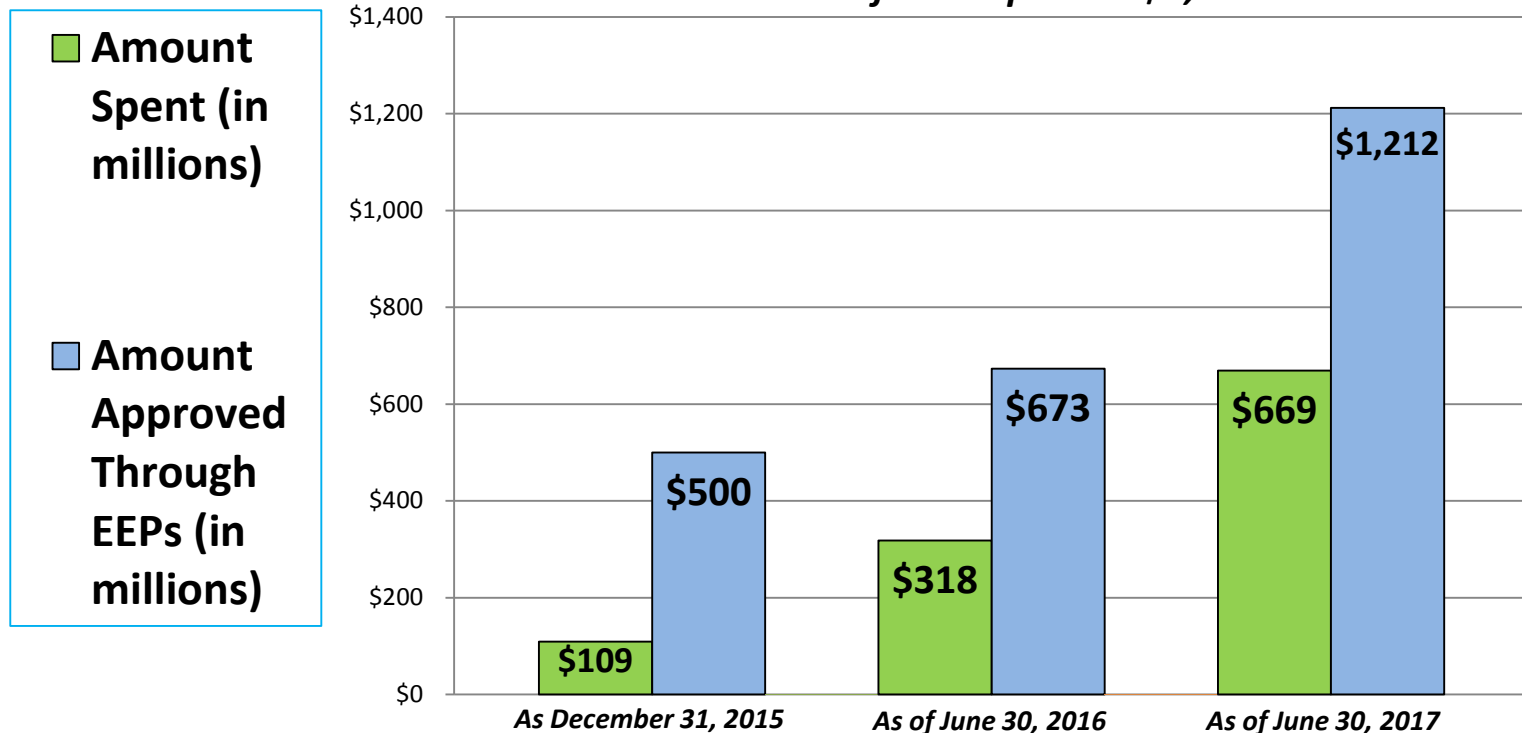




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Proposition 39 Funding Approved and Spent by Reporting Period

Total Allocation for this period: \$1,372 million





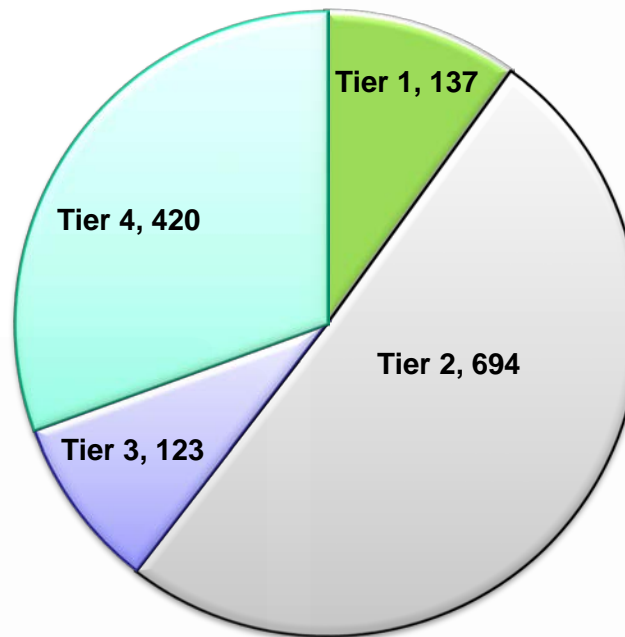
LEA Participation by Tier Level

Tier 1 = ≤ 100 Students

Tier 2 = 101 to 1,000 Students

Tier 3 = 1,001 to 1,999 Students

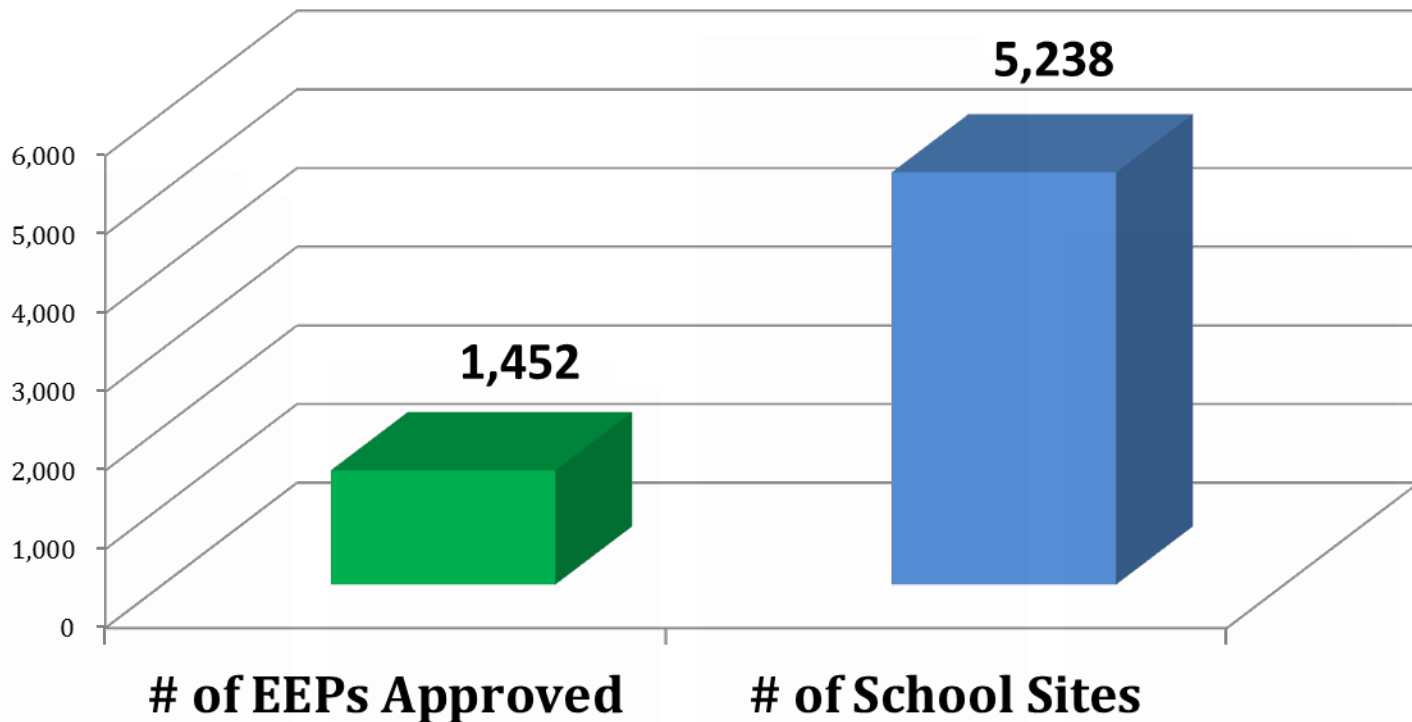
Tier 4 = $\geq 2,000$ Students



1,374 Total LEAs



Cumulative Energy Expenditure Plan Approvals





Eligible Energy Efficiency Measures

- Lighting Systems
- Heating and Air-Conditioning (HVAC) Retrofits
- Controls (e.g., Thermostats)
- Pumps and Motors
- Plug Loads
- Building Insulation
- Clean Energy Generation (PV)





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Summary of Implemented Energy Measure Categories (as of June 30, 2017)

Energy Measure Category	Total # of Measures Approved	Total % of Measures Approved	Total Project Cost of Measures Approved	Total % of Project Cost of Measures Approved
Lighting	9,592	51%	\$491,983,047	38.4%
HVAC & Lighting Controls	3,942	21%	\$131,527,879	10.3%
HVAC	2,692	15%	\$460,075,240	36%
Other Energy Efficiency Measures	1,928	10%	\$80,039,009	6.2%
Self-Generation (PV)	407	2%	\$115,696,864	9%
Commissioning (BMCx) and Retro commissioning (RCx)	122	1%	\$2,637,708	0.1%
TOTAL S	18,683	100%	\$1,281,959,747	100%



Accomplishments





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Cumulative Summary of Final Project Completion Reports*

	Previous Report (as of June 2016)	Current Report (as of June 2017)
Number of Completed EEPs	52	174
<i>Spending</i>		
Total Gross Project Cost	\$34 million	\$116 million
Proposition 39 Share	\$27 million	\$97 million
Leveraged Funding	\$7 million	\$19 million
<i>Annual Energy Savings</i>		
kWh Savings	13,804,252	42,820,936
Therm Savings	54,641	146,126
GHG emissions reduction	5,080 tons	15,624 tons
SIR	1.44	1.36
Total Cost Savings	\$2.4 million	\$7.8 million
<i>*Note: Completed projects with 12 months of post installation energy usage data.</i>		



Energy Use Intensity (EUI)

Reported Source Energy Savings

Total Square Footage: **32,303,840**

Total kBtu/sq ft Saved Per Year: **14.4**

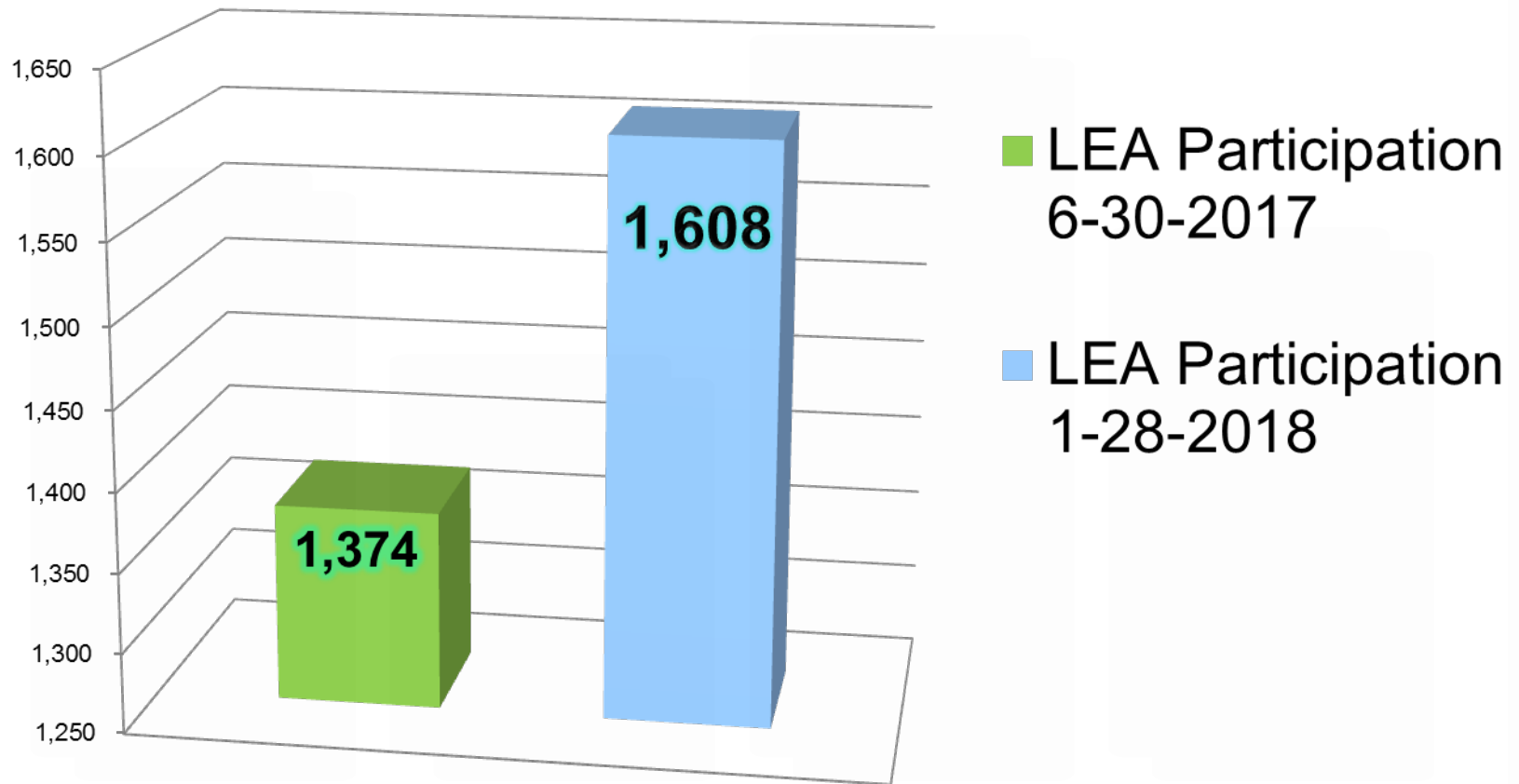
Total Combined Annual Weighted Average EUI

Before: **102.1 kBtu/sq ft**

After: **87.7 kBtu/sq ft**



Recent LEA Participation





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Energy Conservation Assistance Act, Education Subaccount (ECAA-Ed)



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ECAA-Ed Funding

Fiscal Year	ECAA-Ed Financing (Loans)	Bright Schools (Technical Assistance)	TOTAL
2013-14	\$25,291,524	\$2,708,476	\$28,000,000
2014-15	\$25,200,000	\$2,800,000	\$28,000,000
2015-16	0	0	0
2016-17	0	0	0
TOTALS	\$50,491,524	\$5,508,476	\$56,000,000

Monterey Peninsula USD



ECAA-Ed Zero % Loan Financing Cumulative Spending as of June 30, 2017

Loan Status	# of Loans	Loan Funds Spent (in millions)
Loans with Final Project Completion Reports:	10	\$21.4
Completed Loan Projects (Final Reports Due <i>after</i> 6/30/17)	15	\$14.4
Loans Still in Construction	7	\$10.3
Totals	32	\$46.1



ECAA-Ed Funded Energy Projects

- Energy Efficiency - 7
- Renewable Energy - 13
- Both Energy Efficiency and Renewable Energy - 12

32 Total Projects



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Bright Schools Program



Technical Assistance



Provides assistance to identify energy saving measures at existing facilities

- ✓ Energy Audits
- ✓ Third Party Proposal Review
- ✓ Professional Engineering Support Services





Bright Schools Program Encumbrance and Expenditures

Bright Schools Program Total Allocation	\$5,508,476
Expenditures as of 6/30/17	\$2,975,291
Contract Balance	\$2,533,185



Bright Schools Program Accomplishments

- 165 technical assistance grants:
 - 148 energy studies
 - 11 EEP preparations
 - 6 project bid specifications
- Identified measures estimated to save
 - 27,483 MW-hours
 - 304,359 therms of natural gas
 - \$4.4 million in energy bills savings



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Thank You

Energy Commission's Web page:

<http://www.energy.ca.gov/efficiency/proposition39>

Contact our Prop 39 Hotline:

(855) 380-8722 (*Toll-free in-state*)

(916) 653-0392 (*Toll line out-of-state*)

Contact us by email:

Prop39@energy.ca.gov





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Questions