

# Proposition 39 K-12 Program and Energy Conservation Assistance Act 2017-18 Progress Report

Update Presentation to the Citizens  
Oversight Board



David Velazquez  
February 19, 2019  
California Energy Commission



# Agenda

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





# Energy Commission's Report to the Citizens Oversight Board

## ➤ **Report includes four program components:**

- Proposition 39 K-12 Program (*Grants*)
- Energy Conservation Assistance Act - Education Subaccount (*Loans*)
- Bright Schools Program (*Technical Assistance*)
- School Bus Replacement Program

## ➤ **Reporting period:**

- December 19, 2013 through June 30, 2018



# Clean Energy Job Creation Fund Appropriations

*(2013-14, 2014-15, 2015-16, 2016-17, and 2017-18)*

	FY 2013-14 (in millions)	FY 2014-15 (in millions)	FY 2015-16 (in millions)	FY 2016-17 (in millions)	FY 2017-18 (in millions)	TOTALS (in millions)
<b>K-12 Program</b>	\$381.0	\$279.0	\$313.4	\$398.8	\$376.2	\$1,748.4
<b>ECAA-Ed</b>	\$28.0	\$28.0	\$0	\$0	\$0	\$56.0
<b>TOTALS</b>	<b>\$409.0</b>	<b>\$307.0</b>	<b>\$313.4</b>	<b>\$398.8</b>	<b>\$376.2</b>	<b>\$1,804.4</b>



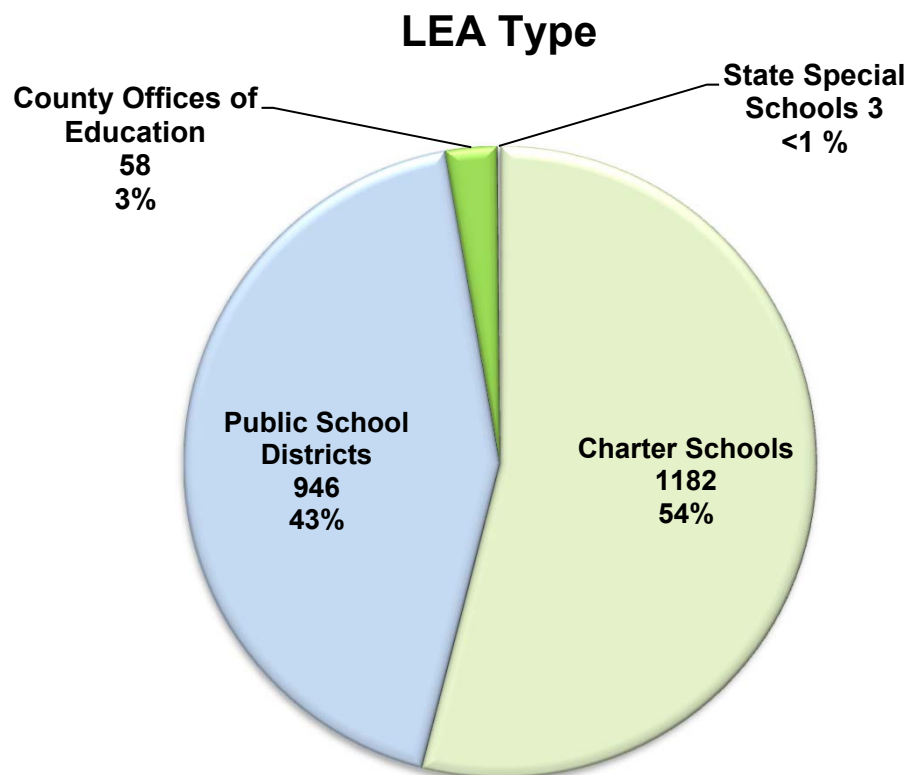


# Overview of Application Process

1. Local Education Agencies (LEA) completed and submitted Energy Expenditure Plan (EEPs) applications using online system
2. Staff reviewed and approved EEP
3. California Energy Commission (CEC) notified California Department of Education (CDE) of approved applications (weekly)
4. CDE distributed funding to LEA (quarterly)



# Funding Allocation by LEA Type



**2,189 Total LEAs**





# LEA Funding Distribution

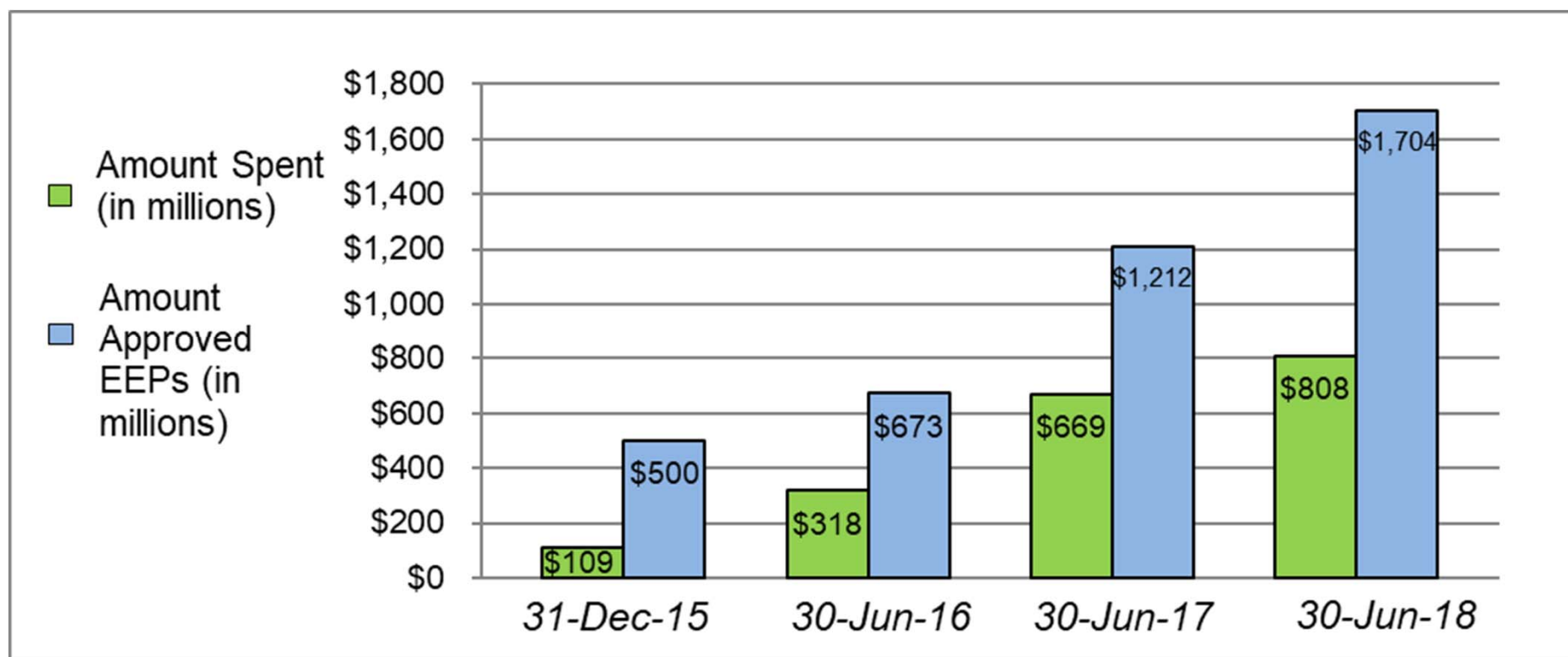
Allocation



# Proposition 39 K-12 Program Success (as of June 30, 2018)



# Proposition 39 K-12 Funding Approved and Spent by Reporting Period





# LEA Participation by Tier Level

**Tier 1 =  $\leq$  100 Students**

**Tier 2 = 101 to 1,000 Students**

**Tier 3 = 1,001 to 1,999 Students**

**Tier 4 =  $\geq$  2,000 Students**

<b>Tier Levels</b>	<b>Inception (By Number of LEAs)</b>
<b>Tier 1</b>	171 (72%) [out of 238]
<b>Tier 2</b>	972 (74%) [out of 1,307]
<b>Tier 3</b>	154 (90%) [out of 171]
<b>Tier 4</b>	468 (99%) [out of 473]



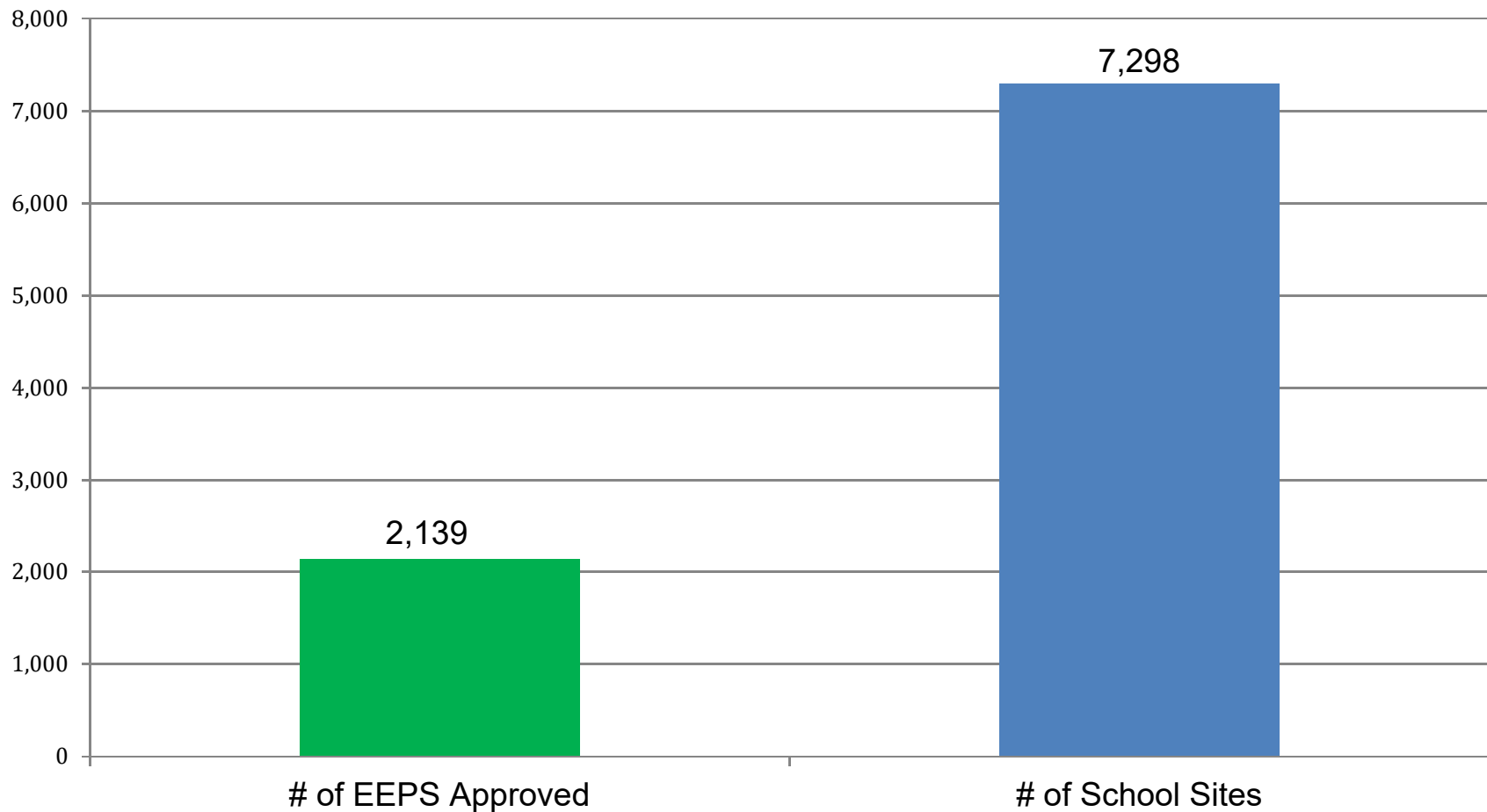
# Participation by High Free and Reduced-Priced Meal LEAs\*

FRPM Category	Number of LEAs	LEAs Participating	Participation Rate
High FRPM LEAs	808	617	76%
Non-High FRPM LEAs	1,381	1,148	83%
TOTALS	2,189	1,765	81%

\*An LEA is considered to have a high FRPM ratio if it has a ratio of FRPM/ADA of 0.75 or greater



# Cumulative Energy Expenditure Plan Approvals





# Examples of Eligible Energy Efficiency Measures





# Summary of Implemented Energy Measure Categories (as of June 30, 2018)

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 Systems	12,800	54%	\$743,810,454	41.25%
HVAC & Lighting Controls	4,988	21%	\$156,404,536	9%
HVAC	3,377	14%	\$601,001,781	33.25%
Other Energy Efficiency Measures	1,873	8%	\$118,009,572	6.50%
Self-Generation (PV)	584	3%	\$182,803,549	10%
<b>TOTALS</b>	<b>23,622</b>	<b>100%</b>	<b>\$1,802,029,892</b>	<b>100%</b>







# Cumulative Summary of Final Project Completion Reports\*

	Last Report (as of June 2017)	Current Report (as of June 2018)
Number of Completed EEPs	174	292
<b>Funding</b>		
Total Gross Project Cost	\$116 million	\$190 million
Prop. 39 Share	\$97 million	\$153 million
Leveraged Funding	\$19 million	\$37 million

*\*Completed projects with 12 months of post-installation energy usage data, representing 13.65% of total projects*



# Cumulative Summary of Final Project Completion Reports\*

	Last Report (as of June 2017)	Current Report (as of June 2018)
<b>Annual Energy Savings</b>		
kWh Savings	42,820,936	63,925,295
Therm Savings	146,126	225,828
CO <sub>2</sub> equivalent emissions reduction	15,624 tons	22,191 tons
SIR	1.36	1.36
<b>Total Cost Savings</b>	<b>\$7.8 million</b>	<b>\$11.9 million</b>

*\*Completed projects with 12 months of post-installation energy usage data, representing 13.65% of total projects*



# Energy Use Intensity (EUI)

## Reported Source Energy Savings From Completed Final Reports (13.65% of Projects)

**Total Square Footage:** 48,905,105

**Total kBtu/sq ft Saved Per Year:** 14.5

**Total Combined Annual Weighted Average EUI**

**Before:** 96.9 kBtu/sq ft

**After:** 82.4 kBtu/sq ft





# ECAA-ED

ECAA-ED was a 0% interest revolving loan program

- It funded similar energy efficiency measures as Prop 39 K-12 Grant Program
- Currently there are 35 loan funded projects
- Moving forward ECAA-ED will be a competitive loan program



# 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 Accomplishments

- 190 technical assistance grants:
  - 158 energy audits
  - 22 EEP preparations
  - 10 project bid specifications
- Identified measures estimated to save
  - 28,626 MWh
  - 305,025 therms of natural gas





# ECAA-Ed Funding

Fiscal Year	ECAA-Ed Financing (Energy Project 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
2017-18	0	0	0
TOTALS	\$50,491,524	\$5,508,476	\$56,000,000



CHILD-DRIVEN: A SAFER PROGRAM



# School Bus Replacement Program

- Funding: \$75 million total from SB 110
- Eligible applicants: school districts and county offices of education and joint power authorities
- Priority will be given to the oldest school buses, school buses operating in disadvantaged communities, or to schools that have a majority of students eligible for free or reduced-price meals in the prior year
- Any school bus replaced must be scrapped



# Program Design

Three complementary funding components:



# Milestones

Activity	Date
<b>Phase 1: School District Solicitation Release</b>	<b>May 2018</b>
<b>Applications Due</b>	<b>September 2018</b>
<b>Posted Rank Listing of School Buses Eligible for Replacement</b>	<b>November 2018</b>
<b>Phase 2: Bulk Pricing for Electric Buses Solicitation Release</b>	<b>December 2018</b>

# Questions

**Prop 39 Webpage:**

[www.energy.ca.gov/efficiency/proposition39](http://www.energy.ca.gov/efficiency/proposition39)

**Prop 39 Hotline:**

(855) 380-8722 [toll-free in-state]  
(916) 653-0392

**Prop 39 Email:**

Prop39@energy.ca.gov

**School Bus Webpage:**

[www.energy.ca.gov/transportation/schoolbus](http://www.energy.ca.gov/transportation/schoolbus)

**School Bus Hotline:**

(855) 279-6381

**School Bus Email:**

Schoolbusprogram@energy.ca.gov

