

# Proposition 39 K-12 Program and Energy Conservation Assistance Act 2019-20 Progress Report

## Update Presentation to the Citizens Oversight Board



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February 17, 2021  
California Energy Commission



This is the sixth Energy Commission  
progress report to the  
Citizens Oversight Board



# Agenda

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



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# REPORT OVERVIEW



# 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, 2020



# Clean Energy Job Creation Fund Appropriations

<b>Category</b>	<b>FY 2013-14 (in millions)</b>	<b>FY 2014-15 (in millions)</b>	<b>FY 2015-16 (in millions)</b>	<b>FY 2016-17 (in millions)</b>	<b>FY 2017-18 (in millions)</b>	<b>TOTALS (in millions)</b>
<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>

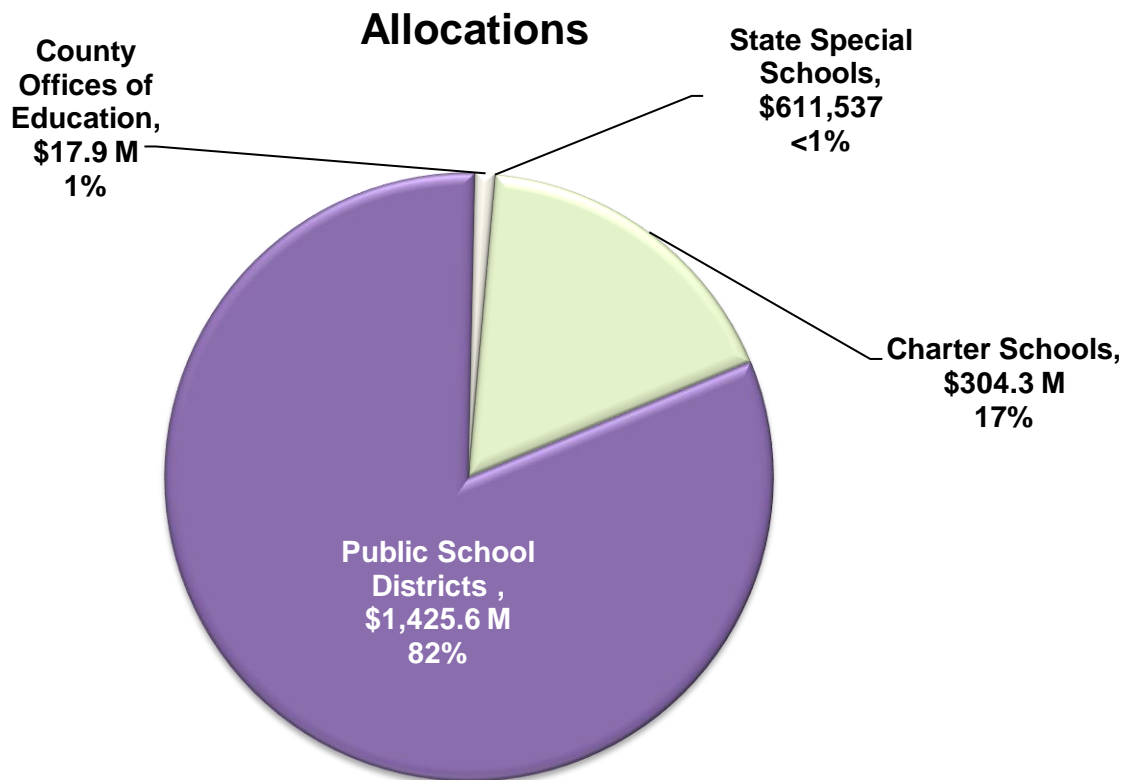


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# PROPOSITION 39 K-12 PROGRAM



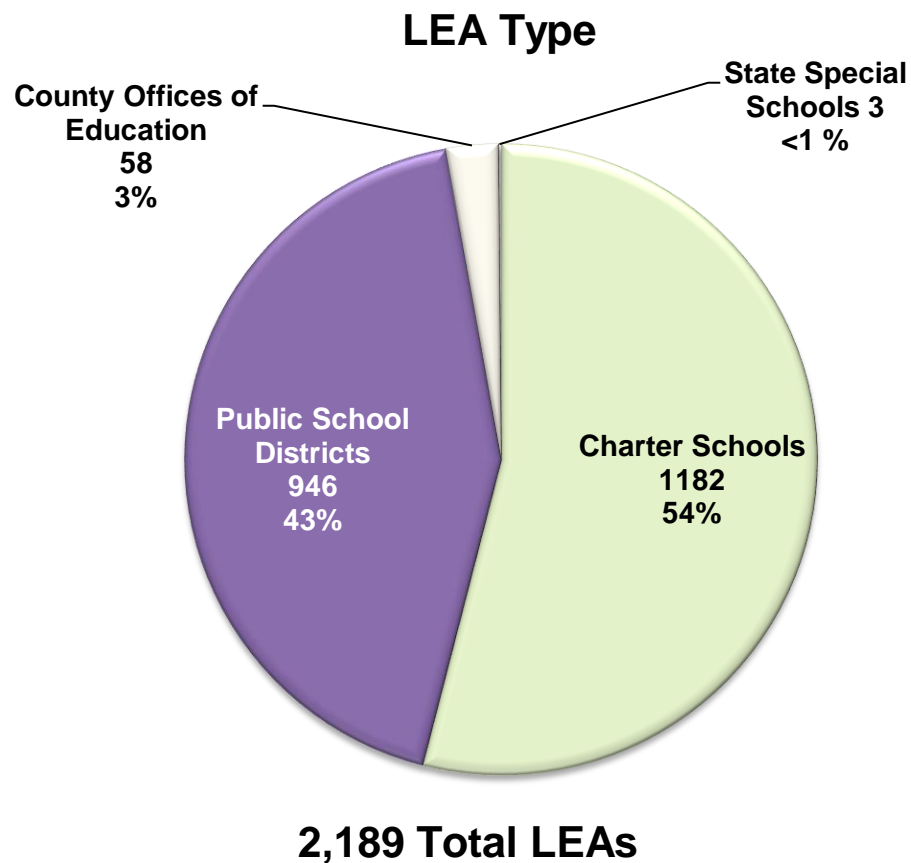
# Allocations by LEA Type



**\$1,748.4 M Total Allocations**



# Local Education Agencies (LEA) Types Receiving Funding





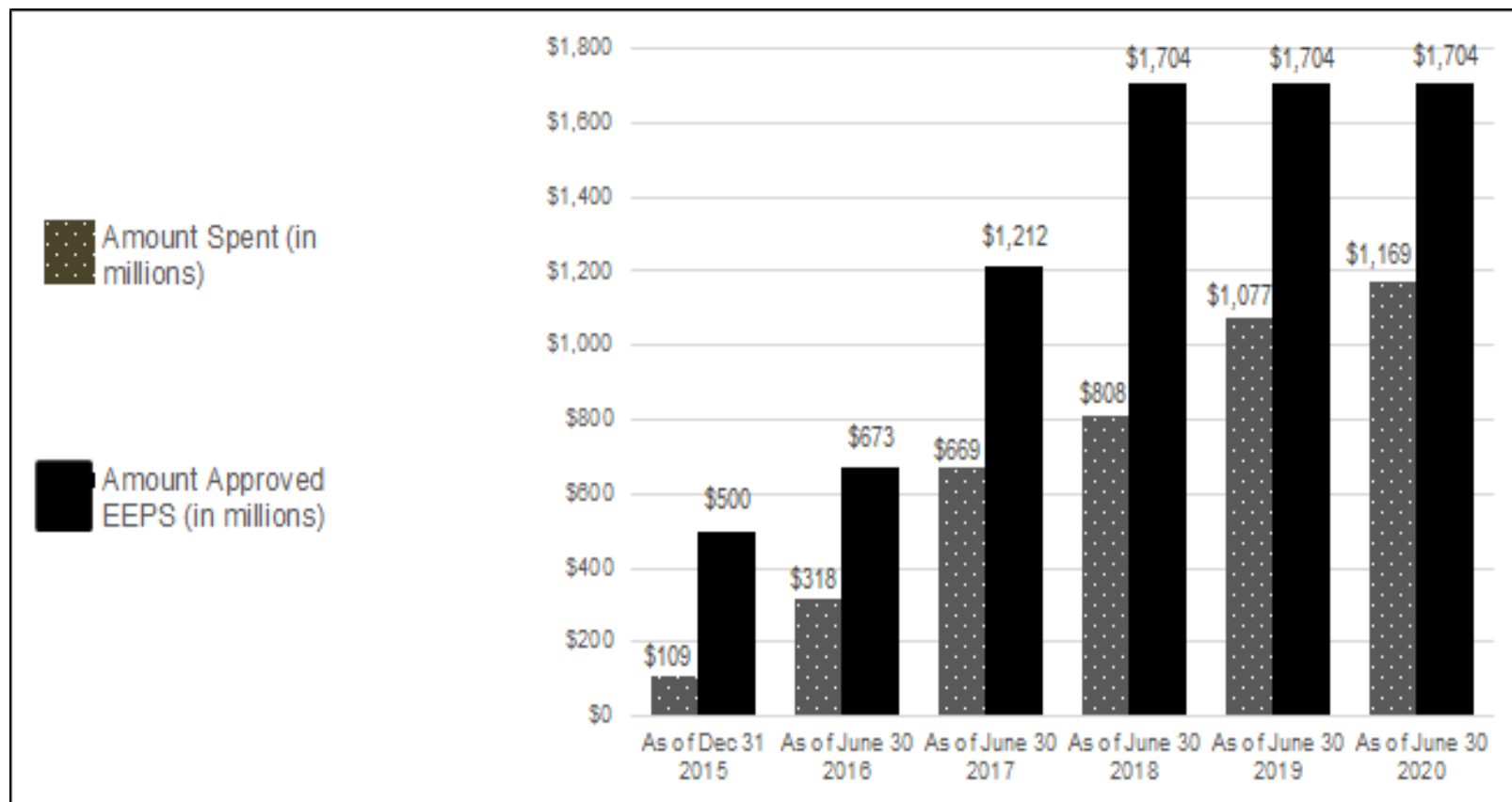
# Overview of Amendment Process

(no new EEP approvals in FY 2018-19)

1. LEA makes a request to amend an approved Energy Expenditure Plan (EEP) by submitting an Amendment Request Survey Form.
  2. LEA is granted access to the EEP for an amendment.
  3. LEA submits amended EEP; Staff reviews and approves amended EEP. No additional funding or sites are allowed through the amendment.
- 265 amendments approved in FY 2019-20.
  - 952 EEPs have had an amendment done at least once during the life of the Prop 39 Program. This represents approximately 45% of the total number of EEPs submitted.



# Proposition 39 K-12 Funding Approved and Spent





# LEA Participation by Tier Level

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

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

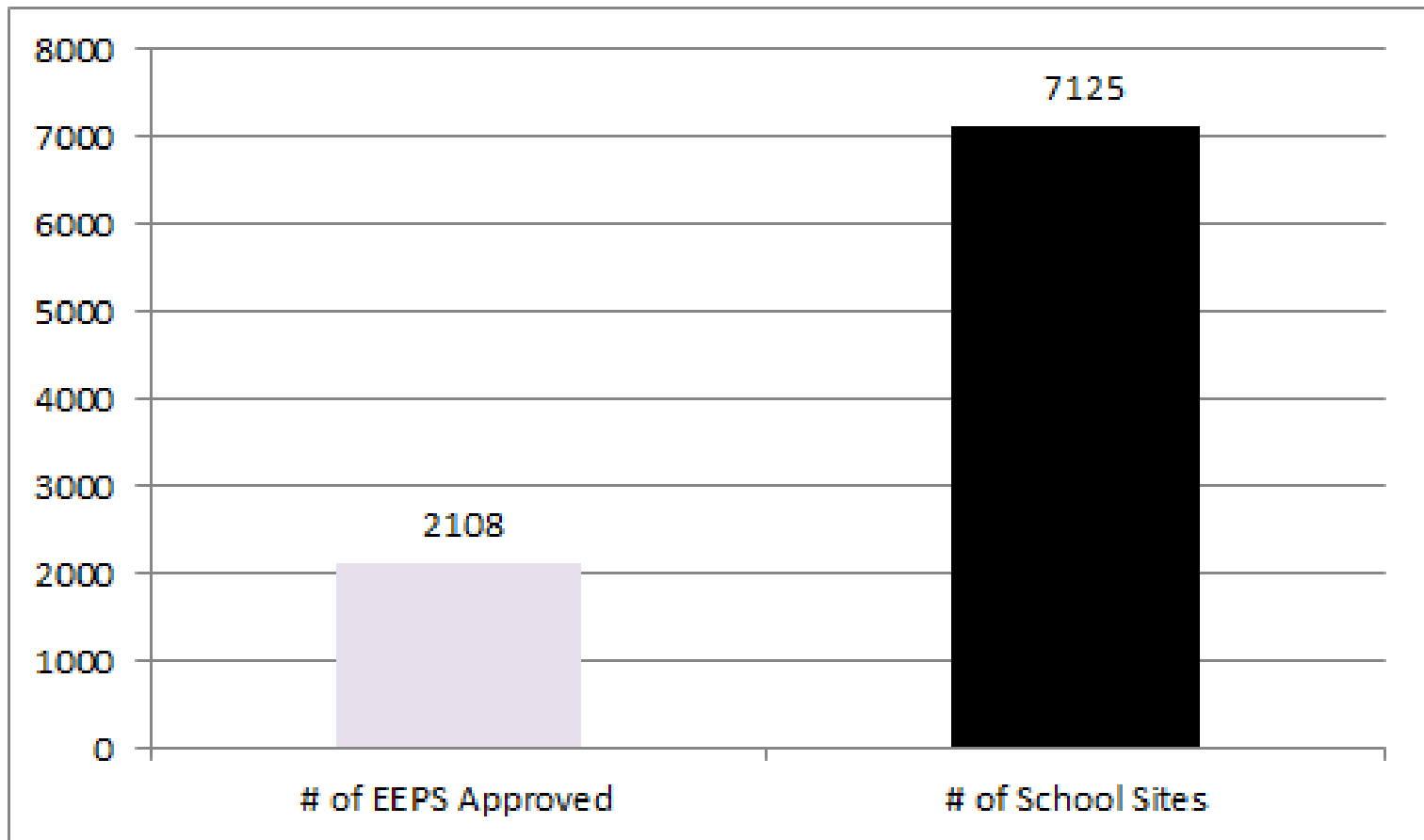
**Tier 3 = 1,001 to 1,999 Students**

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

Tier Levels	LEA Participation Since Proposition 39 inception (By Number of LEAs)
Tier 1	164 out of 238 (69%)
Tier 2	957 out of 1,307 (73%)
Tier 3	152 out of 171 (89%)
Tier 4	468 out of 473 (99%)



# 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 (Solar Photovoltaic (PV))



# Summary of Implemented Energy Measure Categories (as of June 30, 2020)

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	12,458	54.7%	\$738,863,868	41%
HVAC & Lighting - Controls	4,736	20.8%	\$154,189,173	9%
HVAC	3,361	14.8%	\$602,908,675	33%
Other Energy Efficiency Measures	1,657	7.3%	\$116,776,359	7%
Self-Generation (PV)	547	2.4%	\$174,315,601	10%
<b>TOTALS</b>	<b>22,759</b>	<b>100%</b>	<b>\$1,787,320,673</b>	<b>100%</b>



# Project Completion and Final Report Submittal Extension

- COVID-19 pandemic led to statewide school closures as of March 2020.
  - LEA inability to complete installation of approved projects.
- Prop 39 Program extended two significant due dates:
  - project completion date was changed from June 30, 2020, to June 30, 2021.
  - project completion final report due date was changed from June 30, 2021, to June 30, 2022.



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# ACCOMPLISHMENTS



# Cumulative Summary of Final Project Completion Reports

Category	Report (as of June 2019)	Report (as of June 2020)
Number of Completed EEPs	522	962
<b><i>Funding</i></b>		
Total Gross Project Cost	\$367 million	\$673 million
Prop 39 Share	\$318 million	\$585 million
Leveraged Funding	\$49 million	\$88 million
<b><i>Annual Energy Savings</i></b>		
MWh hour Savings	125,712	224,174
Therm Savings	344,789	620,828
CO2 equivalent emissions reduction	43,060 tons	76,821 tons
SIR	1.37	1.38
Total Cost Savings	<b>\$23.4 million</b>	<b>\$42.8 million</b>



# Looking Ahead

- Amendments are still being processed. Almost half of the approved EEPs have undergone an amendment at least once.
- Annual reporting will continue in July of 2021. Close to 450 annual reports will be generated at that time.
- Final project completion reports are ongoing. Based on overall numbers at this time, 897 final project completion reports will need to be filed by September 30, 2022.



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# **ENERGY CONSERVATION ASSISTANCE ACT-EDUCATION SUBACCOUNT (ECAA-ED)**



# ECAA-Ed Funding

<b>Fiscal Year</b>	<b>ECAA-Ed Financing (Energy Project Loans)</b>	<b>Bright Schools (Technical Assistance)</b>	<b>TOTAL</b>
<b>2013-14</b>	<b>\$25,291,524</b>	<b>\$2,708,476</b>	<b>\$28,000,000</b>
<b>2014-15</b>	<b>\$25,200,000</b>	<b>\$2,800,000</b>	<b>\$28,000,000</b>
<b>2015-16</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2016-17</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2017-18</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2018-19</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2019-20</b>	<b>\$38,524,000</b>	<b>0</b>	<b>\$38,524,000</b>
<b>TOTALS</b>	<b>\$89,015,524</b>	<b>\$5,508,476</b>	<b>\$94,524,000</b>



# ECOA-Ed Loan Program Status (as of June 30, 2020)

Loan Status	Number of Loans	Loan Funds Spent (in millions)
Loans With Completed Project Final Reports	29	\$ 43.9
Loans with Outstanding Completed project Final Reports	3	\$ 4.5
Completed Projects (Final Reports Due after 6/30/20)	2	\$4.0
Projects in Construction Stage	8	\$3.7
<b>Totals</b>	<b>42</b>	<b>\$56.1</b>



# ECAA-Ed Competitive Loan Program

- First Program Opportunity Notice (PON) released in February 2019 for \$36 million.
- First ECAA-Ed Competitive loans approved in December 2019: Seven loans approved totaling \$6.7 million.
- Second PON scheduled for release in February 2020 for \$38 million.



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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 Expenditures

Bright Schools Program Allocations and Expenditures as of June 30, 2020

<b>Allocations and Expenditures</b>	
<b>Total Allocation</b>	<b>\$5,600,000</b>
<b>Amount Reallocated to ECAA-Ed Loan Program</b>	<b>\$91,524</b>
<b>Expenditures as of 6/30/20</b>	<b>\$ 3,373,506</b>
<b>Contract Balance</b>	<b>\$2,134,970</b>



# Bright Schools Program Accomplishments

- 197 technical assistance grants:
  - 159 energy audits
  - 22 EEP preparations
  - 15 project bid specifications
- 80 Bright Schools Program energy audits have been used to support Prop 39 EEPs
- Identified measures estimated to save
  - 28,647 MWh
  - 305,025 therms of natural gas



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# SCHOOL BUS REPLACEMENT PROGRAM



# School Bus Replacement Program Awards

Three complementary funding components:

1. School Bus Replacement: to replace the oldest, dirtiest diesel school buses with battery electric school buses - *\$75 million* (SB 110)
2. Charging Infrastructure - *\$14 million* (Clean Transportation Program)
3. Workforce Training - *\$1 million* (Clean Transportation Program)

Eligible applicants: school districts, county offices of education, and joint power authorities

	Number of Awardees	Number of Buses Awarded	Total Bus Award	Total Infrastructure Award
<b>Totals</b>	<b>66</b>	<b>235</b>	<b>\$74,700,357</b>	<b>\$14,100,000</b>

# Questions

## Prop 39 Webpage:

<https://www.energy.ca.gov/programs-and-topics/programs/california-clean-energy-jobs-act-proposition-39-k-12-program>

## Prop 39 Hotline:

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

## Prop 39 Email:

Prop39@energy.ca.gov

## School Bus Webpage:

<https://www.energy.ca.gov/programs-and-topics/programs/school-bus-replacement-program>

## School Bus Hotline:

(855) 279-6381

## School Bus Email:

Schoolbusprogram@energy.ca.gov

