

<b>DOCKETED</b>	
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<b>Project Title:</b>	Energy Conservation Assistance Act
<b>TN #:</b>	243315
<b>Document Title:</b>	ECAA Workshop Slides
<b>Description:</b>	Slide deck for 5-27-2020 ECAA Workshop
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# **ECAA Expansion (AB 33, Ting, 2021)**

Public Workshop, May 27, 2022



# Agenda

- Program Overview
- Technical Assistance
- Recent Legislation
- Proposed Program Changes
- Questions, Comments and Discussion







# Welcome

Commissioner J. Andrew McAllister, Ph.D.



# Virtual Housekeeping

- Webinar conducted remotely via Zoom and is being recorded
- 3 ways to comment
  - Use the "raise hand" feature in Zoom
  - Over the telephone: dial \*9 to "raise hand" and \*6 to mute/unmute your phone line
  - Type your question in the Q&A window
- Written comments due **June 7, 2022**
  - Submit through the [e-commenting systems \(22-ECAA-01\)](https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=22-ECAA-01):  
<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=22-ECAA-01>
  - Subscribe to List Subscriptions: <https://www.energy.ca.gov/programs-and-topics/programs/energy-conservation-assistance-act>



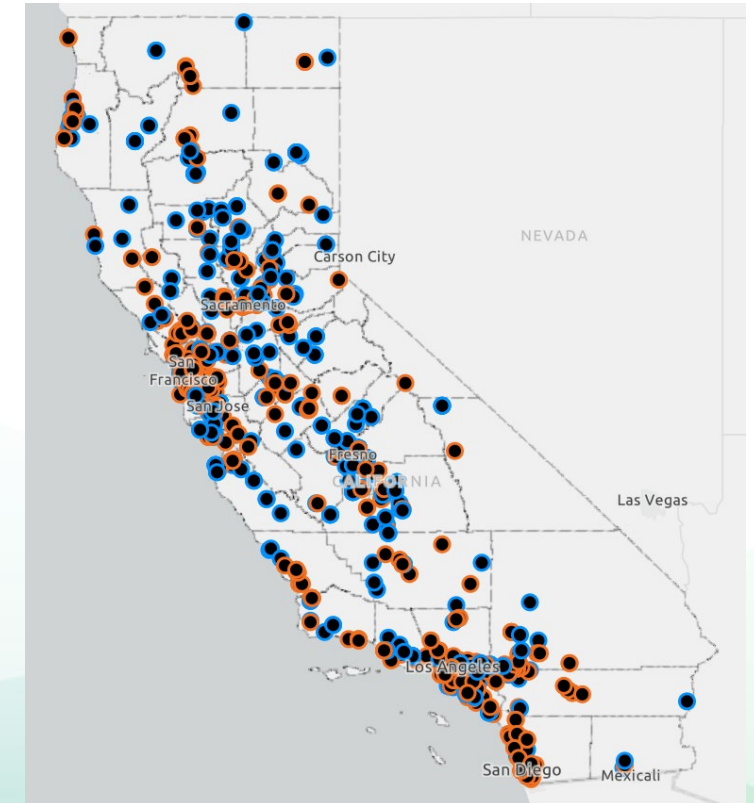
# Program Overview



# ECAA Program History & Impact

Energy Conservation Assistance Act program (ECAA) provides low- and no-interest loans to schools and local governments for energy-efficiency retrofits and clean energy generation projects.

- Over 900 projects have been financed
- Over \$500 million in loans provided





# ECAA Program Background

ECAA has two separate programs:

- ECAA “Regular”
  - Eligible entities include cities, counties, local agencies, not-for-profit hospitals
  - Currently a 1% loan program
- ECAA-Ed
  - Local Educational Agencies are eligible
  - Currently a no-interest loan program







# ECAA Program Background

ECAA operates as a revolving loan program

- Loan amount up to \$3 million
- Available on a rolling basis
- Loans are repaid with project energy cost savings
- Funding revolves to be re-loaned to new projects





# ECAA Program Background: Projects

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## Eligible Measures

- Lighting and efficiency retrofits
- Solar PV
- HVAC
- Other measures that achieve energy cost savings
- *EV Charging Infrastructure (New)*
- *Energy Storage (New)*



# ECAA Program Background: ECAA-Ed

## ECAA-Ed

- SB 110 (2017) required the program be competitive  
Sunsets, reverting to rolling application process
- Will re-launch under the AB 33 expansion





# ECAA Program Background

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Repayment of a loan begins shortly after a project is completed

- Repayments occur 2x a year (June and December)
  - ECAA Regular: 17-year maximum term
  - ECAA-Ed: 20-year maximum term





# Example Project

- The City of Orange Cove received a loan of over \$2 million
- LED lighting upgrades at seven city sites
- Ground-mounted solar PV installation at the City's Wastewater Treatment Plant
- Over 961,000 kWh saved annually
- Over \$142,000 in annual energy cost savings





# ECAA Program Background

Both ECAA Regular and ECAA-Ed currently have funding available for loans:

- ECAA Regular: Over \$22 million
- ECAA-Ed: Over \$21 million





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# **Technical Assistance Programs**



# Energy Partnership & Bright Schools

<b>Purpose</b>	Provide funding for technical assistance, including energy audits to identify potential energy-savings measures.
<b>Eligibility</b>	<b>Energy Partnership Program:</b> entities eligible for the ECAA Regular program  <b>Bright Schools:</b> entities eligible for the ECAA-Ed program
<b>Amount</b>	Up to \$20,000 for each applicant
<b>Contractor</b>	Work performed by a contractor hired by the CEC
<b>Other Requirements</b>	Energy audits funded by this program should lead to an energy efficiency or energy generation project within two years





# **Recent Legislation and Proposed Program Changes**



# AB 33 (Ting, 2021) Legislative Changes

- Eligible measures expanded to:
  - EV charging infrastructure
  - Energy storage
- Multiple project measures can be bundled to determine overall cost savings
- Eligible applicants expanded to include California Native American Tribes





# Expanded: Bundling of Measures

## Proposal:

- Finance multiple-site projects
- Evaluate eligible measures comprehensively to determine energy cost savings over the life of the project





# Expanded: EV Charging Infrastructure

## Proposal:

- Allow EV charging as an eligible measure
- Limit to public fleet EV charging infrastructure







# Expanded: Energy Storage

## Proposal:

- Allow energy storage as an eligible measure
- Standalone measure or part of a larger project





# Energy Storage – Example #1

## Off Peak Charging

<b>On Peak Price</b>	<b>\$.15 per kWh</b>
<b>Off Peak Price</b>	<b>\$.05 per kWh</b>
<b>Savings from a 100 kW Battery Energy Storage System</b>	<b>\$50 per week</b>
<b>Annual cost savings</b>	<b>\$2,600</b>



# Energy Storage – Example #2

## Demand Savings

- Demand calculated by most utilities as the highest 15-minute increment in a monthly billing cycle
- Savings achieved by lowering peak load and reducing peak demand charges





# Expanded: Eligibility

California Native American Tribes (Tribes) are now eligible for financing under the ECAA program.

- Loans & Technical Assistance







# Other Changes

Other upcoming changes to the ECAA program:

- ECAA-Ed no longer competitive
- Community Colleges eligible for ECAA-Ed







# How Do I Apply for an ECAA Loan?

- Application materials and instructions can be found on the program webpage:

<https://www.energy.ca.gov/programs-and-topics/programs/energy-conservation-assistance-act>

- Staff will review applications and provide feedback
- Loan applications are considered at a CEC Business Meeting (typically 60-90 days after complete application)
- Once approved, agreements can be executed and forwarded in approximately two weeks



# Questions for Stakeholder Feedback

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- Is the existing loan maximum of \$3 million adequate for the expanded types of measures that can be funded?
- Are there other modifications to the program that would improve its impact or streamline the process for applicants?
- Is the ECAA application process simple and straightforward? Are there areas for improvement?
- Is the current scope and delivery of technical assistance appropriate for industry needs?



# Public Comments & Questions

- To comment or ask questions remotely:
  - By computer: use the "raise hand" feature in Zoom
  - Over the telephone: dial \*9 to "raise hand" and \*6 to mute/unmute your phone line
  - Type your comment in the Q&A window





# Next Steps

<b>Comment Period Ends</b>	<b>June 7, 2022</b>
CEC staff review and consider comments	Summer 2022
CEC staff develop new Program Opportunity Notices	Summer 2022
Program Opportunity Notices Published	Summer/Fall 2022



# Submitting Comments

Comments can also be submitted following this workshop:

- Comment period through June 7, 2022
- Submit comments through the program docket: Submit through the [e-commenting systems \(22-ECAA-01\)](#):







# For More Information

- ECAA Program Webpage:  
<https://www.energy.ca.gov/programs-and-topics/programs/energy-conservation-assistance-act>
- Program Docket:  
<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-ECAA-01>
- ECAA Statute:  
[https://leginfo.legislature.ca.gov/faces/codes\\_displayText.xhtml?lawCode=PRC&division=15.&title=&part=&chapter=5.2.&article=](https://leginfo.legislature.ca.gov/faces/codes_displayText.xhtml?lawCode=PRC&division=15.&title=&part=&chapter=5.2.&article=)



# Thank You



**ECAA Email:**

[PubProg@energy.ca.gov](mailto:PubProg@energy.ca.gov)

**For more information, visit the ECAA program website at:**

<https://www.energy.ca.gov/programs-and-topics/programs/energy-conservation-assistance-act>