

# **CALIFORNIA ENERGY COMMISSION**

## **2018 Diversity Update**

**Ensuring Our Programs and Services Benefit All Californians**



**April, 2019 Business Meeting**



# Key Diversity Objectives



**Increase Participation of  
Diverse Business Enterprises**



**Increase Benefits to  
Disadvantaged Communities**



**Increase Diversity of  
Workforce and Procurement**



# Key Diversity Metrics





# Diversity Performance Overview

## California Energy Commission

<b>Investments</b>	<b>\$ 333.77 Million Invested in Disadvantaged Communities (DACs) and Low Income Communities (LIC)</b>
<b>Outreach (Meetings/ Events)</b>	<ul style="list-style-type: none"><li>• <b>Community Meetings</b></li><li>• <b>Stakeholder Workshops</b></li><li>• <b>Monthly Communication</b></li><li>• <b>Interagency Collaborations</b></li><li>• <b>Tribal Inclusion*</b></li></ul>
<b>Program / Policy Changes</b>	<ul style="list-style-type: none"><li>• <b>Targeted Investments</b></li><li>• <b>Expanded Program Benefits</b></li><li>• <b>Diversity Focus and Tracking</b></li></ul>




# Fuels and Transportation Division





# Fuels and Transportation Division

	ARFVTP	 <small>BUILDING EV INFRASTRUCTURE</small>
Investments/Contracts	\$34.04 Million in Disadvantaged Communities (DACs) in 2018	\$10.96 Million in Disadvantaged Communities (DACs) in 2018
Outreach (Meetings/ Events)	<ul style="list-style-type: none"> <li>• Fresno</li> <li>• Southeast San Diego</li> <li>• Temecula</li> </ul>	<ul style="list-style-type: none"> <li>• Salinas</li> <li>• Fresno</li> <li>• Diamond Bar</li> </ul>
Program / Policy Changes	<ul style="list-style-type: none"> <li>• High School Workforce Development Program</li> <li>• Community College Workforce Training Program</li> </ul>	<b>EV Infrastructure Installations for</b> <ul style="list-style-type: none"> <li>• Commercial Sites</li> <li>• Workplace</li> <li>• Multi-Unit Dwellings</li> <li>• Public Locations</li> </ul>



# School Bus Replacement Program

- Replacing the oldest, dirtiest school buses in priority populations with electric buses (and infrastructure)
- Early funding for CNG buses (and infrastructure)



- Workforce training for district staff
- Improving air quality and health for California's students and area residents



# 2018 CALeVIP Investments

Region	Project Area	Amount Available	\$ Reserved	% of \$ in DACs	# of Ports Reserved
Fresno	Fresno	\$4 million	\$0.7 million	70%	206
South Coast	Los Angeles	\$13 million	\$12.9 million	53%	174
	Orange County	\$9 million	\$8.7 million	25%	121
	Riverside	\$5 million	\$3.1 million	19%	44
	San Bernardino	\$2 million	\$2 million	52%	26
	<b>Total</b>	<b>\$33 million</b>	<b>\$27.4 million</b>	<b>40%</b>	<b>571</b>



BUILDING EV INFRASTRUCTURE







# 2018 Outreach, Workforce Development, and ZEV Mobility



Source: Rio Hondo Community College  
Job and Career Fairs



Source: Switch Vehicles, Inc.  
High School Advanced Technology  
Auto Programs



Source: Rio Hondo Community College  
Community College Advanced  
Technology Auto Programs



ZEV Mobility



# Energy Research and Development Division





# Energy Research and Development Division

Investments (2014-2018)	<ul style="list-style-type: none"><li>• <u>\$ 25.7 Million</u> of Electric Program Investment Charge (EPIC) Technology Demonstration and Deployment (TD&amp;D) funds awarded to projects located in disadvantaged communities</li><li>• <u>38%</u> of EPIC Agreements include Diverse Business Entities</li></ul>
Outreach (Meetings/ Events)	<ul style="list-style-type: none"><li>• AB 523 Stakeholder Workshops</li><li>• AB 523 Community Meeting Series</li></ul>
Program / Policy Changes	<ul style="list-style-type: none"><li>• Energy Commission to consider localized health impacts of proposed projects to the greatest extent possible</li><li>• 25%+ of EPIC TD&amp;D funds for disadvantaged communities</li><li>• 10%+ of EPIC TD&amp;D funds for low-income communities</li></ul>



# Three-Pronged Strategy To Increase Diversity and Equity

- Increase awareness of R&D funding opportunities to underrepresented business enterprises and organizations working with underserved communities
- Provide preference points or reserved funding for projects benefiting underserved communities
- Scope targeted solicitations around the specific needs of low-income and underserved community customers



# Diversity & Equity



## Implementation of Assembly Bill 523

- Energy Commission to consider localized health impacts of proposed projects to the greatest extent possible
- 25%+ of EPIC Technology Demonstration and Deployment (TD&D) funds for disadvantaged communities
- 10%+ of EPIC TD&D funds for low-income communities

**ERDD's community engagement strategy was augmented to ensure that underrepresented communities have the chance to engage in and benefit from our research programs.**



# Additional AB 523 Outreach Measures To Increase Diversity and Equity

- May 2018 - Held stakeholder workshops to introduce AB 523 Implementation Plan
  - Workshops held in Fresno and Diamond Bar
- Nov 2018 - Began a series of community engagement town hall meetings
  - Meetings held in San Diego, Bakersfield, and Madera





# Projects Providing Positive Impact to Underserved Groups

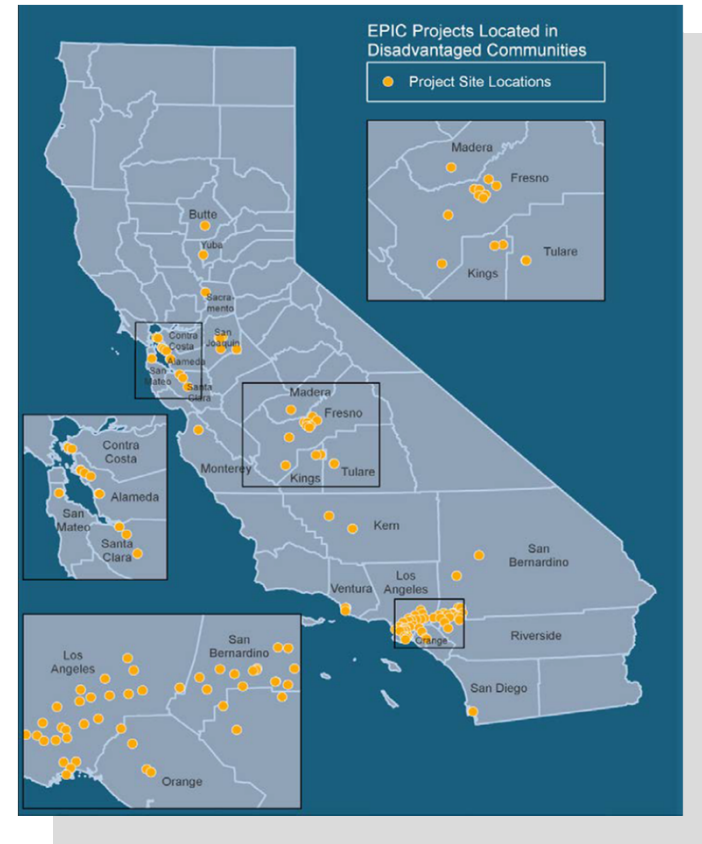


- **OhmConnect** is improving the accessibility of demand response programs to residential customers, including low-income customers and renters.
- **Build It Green** is evaluating four newly constructed multifamily buildings to evaluate energy savings and performance of electric water heating and space conditioning technologies.
- **Sunfolding** is an example of a women-led company funded by EPIC, receiving national recognition and follow-on funding awards for their PV air driven trackers.



# EPIC Diversity from 2018

- 104 disadvantaged community demonstration sites
- 32% of EPIC TD&D funds allocated to disadvantaged communities
- 38% of EPIC Agreements include Women-, Minority-, Disabled Veteran-, or LGBT-Owned Business as a Prime or Subcontractor







# New Platform to Assist Underrepresented Groups

ERDD is developing a new web platform to help connect underserved communities, researchers, technology developers, and investors.

**FORGING NEW  
PATHS FOR A CLEAN  
ECONOMY**

THE EXCHANGE IS A PLACE FOR STARTUPS, COMMUNITY-BASED ORGANIZATIONS, LOCAL GOVERNMENTS, RESEARCHERS, AND INVESTORS TO MAKE CONNECTIONS, FIND CLEANTECH PROJECTS AND FUNDING OPPORTUNITIES, AND HIGHLIGHT RESOURCES THAT STRENGTHEN THE INNOVATION ECOSYSTEM.

**JOIN NOW →**

The graphic features a background image of people silhouetted against a sunset sky with wind turbines in the distance. The text is overlaid in white and yellow.

A faint, mirrored reflection of the promotional graphic above, showing the same text and imagery inverted vertically.



# Siting, Transmission and Environmental Protection Division





# Siting, Transmission and Environmental Protection Division

<b>Investments</b>	<b>N/A</b>
<b>Outreach (Meetings/ Events)</b>	<ul style="list-style-type: none"><li>• <b>Coordinate with the Public Adviser’s Office</b></li><li>• <b>Mail notifications to property owners within 1,000 feet of site</b></li><li>• <b>Contact local elected officials, tribal governments, community groups</b></li><li>• <b>Identify environmental justice populations using U.S. census data</b></li><li>• <b>Identify Disadvantaged Communities using CalEnviroscreen</b></li><li>• <b>Identify persons experiencing “linguistic isolation” using U.S. Census data</b></li><li>• <b>Publish multi-lingual notices and newspaper ads and provide interpreters at workshops and hearings</b></li></ul>
<b>Program / Policy Changes</b>	<b>N/A</b>



# Energy Efficiency Division





# Efficiency Division

<b>Investments (2017/18 Fiscal Year)</b>	<b>Prop 39: \$247 Million</b>
<b>Outreach/Support</b>	<ul style="list-style-type: none"><li>• Monthly E-Blasts</li><li>• Stakeholder Workshop</li><li>• Targeted Outreach to LEAs</li><li>• Tools and Resources on Prop 39 Webpage</li><li>• Prop 39 Hotline</li></ul>
<b>Program / Policy Changes</b>	<ul style="list-style-type: none"><li>• CLIMB Action Plan Adopted</li></ul>

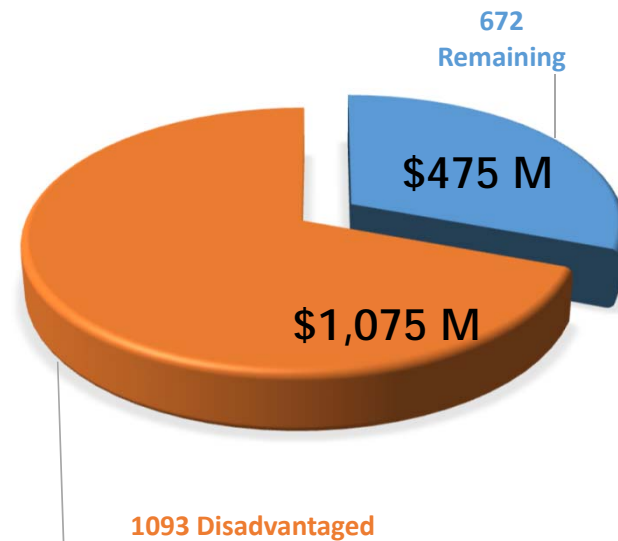


# K-12 Grants: Proposition 39

\$1.5 billion approved energy project applications

Disadvantaged LEAs awarded \$1 billion or 69% of total funding

## LOCAL EDUCATIONAL AGENCIES





# CLIMB Action Plan



**ENERGY EFFICIENCY**



**DEMAND RESPONSE**



**RENEWABLE ENERGY**



**ENERGY STORAGE**



**ELECTRIC VEHICLE INFRASTRUCTURE**

- 33% of Californians are low-income
- 47% of low-income live in multifamily rental housing
- 57% of multifamily buildings in CA built in or before 1979
- 40% of low-income multifamily SCE customers experience energy burden in summer
- Programs offered across state agencies currently not coordinated



# CLIMB Action Plan

Vision: increased access to clean energy resources for owners and residents of multifamily buildings



Expand coordination among existing programs



Develop a cohesive understanding of the multifamily market



Improve existing and future program design



Identify additional resources and deployment opportunities



Increase strategic outreach, awareness, and access





# Renewable Energy Division





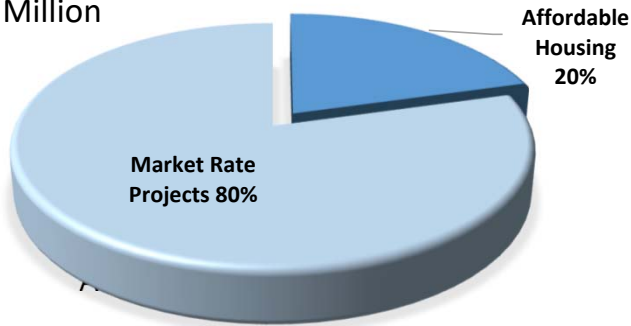
# Renewable Energy Division

<b>Investments</b>	<ul style="list-style-type: none"><li>• <b>New Solar Homes Partnership (NSHP) Reservations</b><ul style="list-style-type: none"><li>• \$16.4 Million in Affordable Housing (AH)</li><li>• ~\$16 Million in Disadvantaged Communities</li></ul></li><li>• <b>Geothermal Technical Assistance</b><ul style="list-style-type: none"><li>• \$75,000 to Dept. of Conservation</li></ul></li></ul>
<b>Outreach (Meetings/ Events)</b>	<ul style="list-style-type: none"><li>• <b>First Quarter 2018 – NSHP Outreach to Affordable Housing Project Developers</b></li><li>• <b>February &amp; March – Workshops on Renewable Energy for Agriculture Program Design</b></li><li>• <b>June – Workshops on the Guidelines for the Renewable Energy for Agriculture Program</b></li><li>• <b>November – Workshop on Lithium Recovery from Geothermal Brine</b></li></ul>
<b>Program / Policy Changes</b>	<ul style="list-style-type: none"><li>• <b>Renewable Energy for Agriculture Program Updates</b></li></ul>

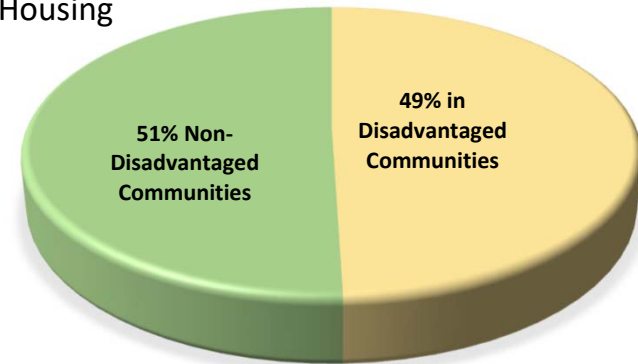


# New Solar Homes Partnership Reservations (2018)

All 2018 Reservations –  
\$ 80.1 Million



Affordable Housing  
Projects



- 2018 Total Funding Reserved: \$80.1 million
- Affordable Housing Projects: \$16.4 million
- Affordable Housing Projects in Disadvantaged Communities: \$8 million
- All Funding Market Rate and Affordable Housing in Disadvantaged Communities: ~\$16 Million



# Renewable Energy for Agriculture 2018 Early Actions



- Outreach and Community Engagement
  - Established Key Relationships
- Creation of Guidelines for the Renewable Energy for Agriculture Program
- Development of Program Solicitation with Stakeholder Input



# Geothermal Grant and Loan Program



- Geothermal Areas Often Near Low Income and Disadvantaged Communities
- Technical Assistance to Protect Public Health, Safety, and the Environment
  - Undeveloped Low-Temperature Geothermal Wells Pose Potential Risks
  - Contract Funds to Develop Plugging and Abandonment Plans
  - Potential Support in the Future to Complete Plans
- Initial Efforts to Explore Expanding Lithium Recovery from Geothermal Brines

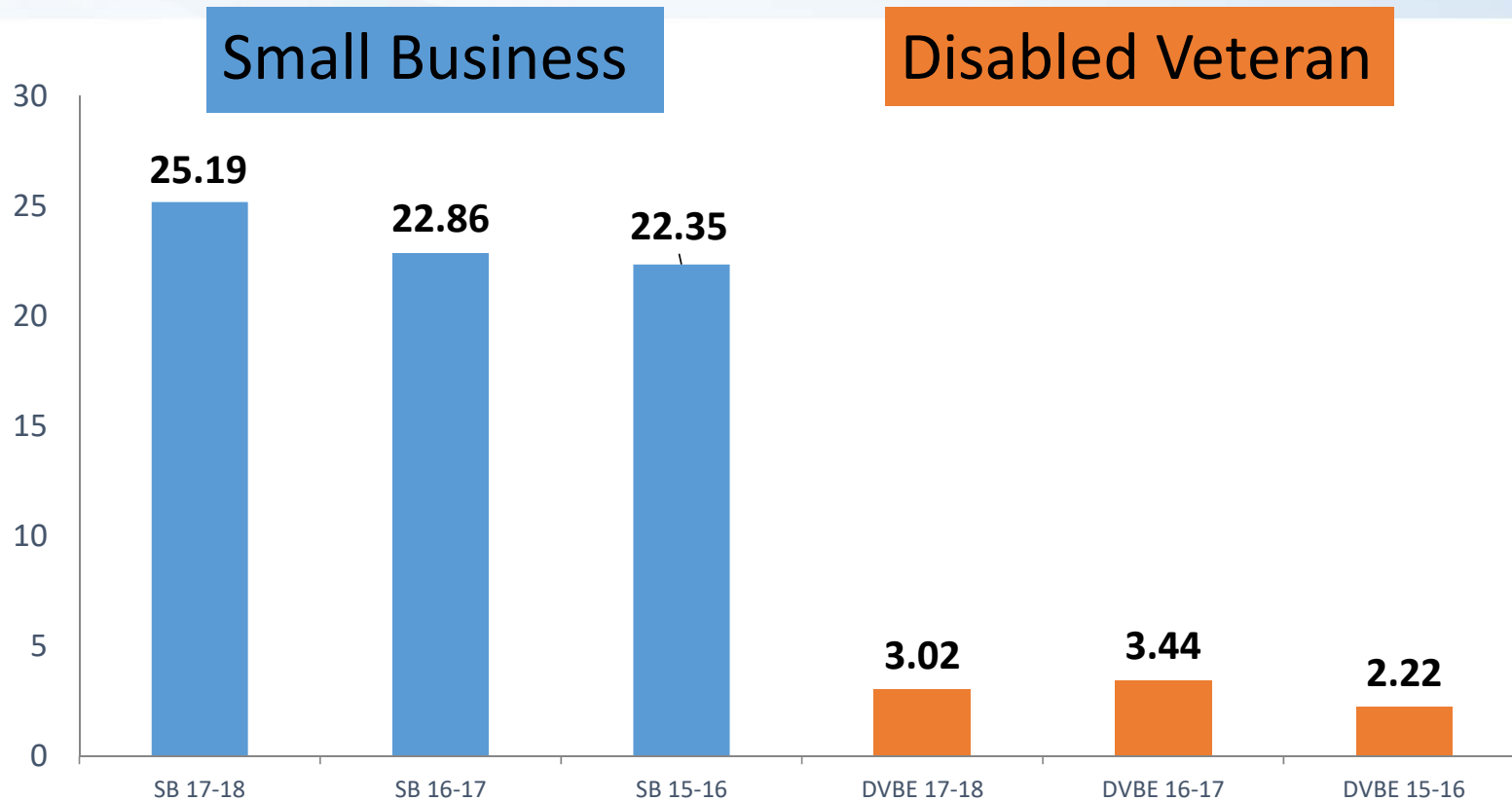


# Administrative & Financial Management Services Division





# Small Business and Disabled Veteran Goals



# Staff Diversity



- “Wrap-around” effort
- Commission recruitment event
- Career fair
- Energy Analyst Exam
  - 12 of 15 took exam

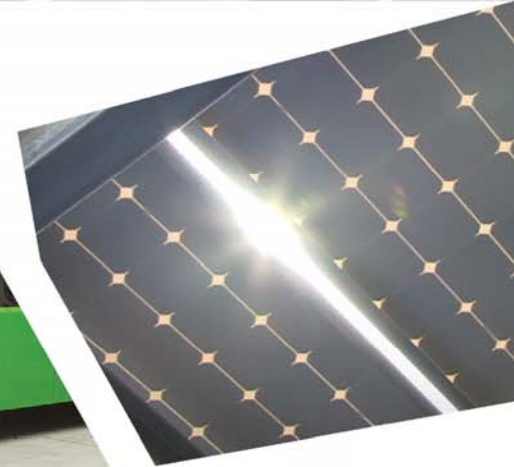


- Initiated in 2016
- Fourth Annual – April 25, 2019
- 2018 Improvements to be continued:
  - Human Resources assistance on classifications
  - On-the-spot exams





# Additional Diversity Commitment Efforts





# Energy Equity Indicators (SB 350)

- 2019 Update is underway.
- Opportunities for public input will be provided in the 2019 IEPR proceeding.





# Joint Agency Disadvantaged Communities Advisory Group



- Provides Recommendations CPUC and Energy Commission Clean Energy Programs
- Held 6 Meetings
- Created the Energy Equity Framework



# Summer Institute In Energy Law and Policy Internship Program



- 4 Week Program
- Students from Diverse and Economically Disadvantaged Backgrounds
- Introduction to Key Energy Issues
- Real Work Experience