



San Diego Unified
SCHOOL DISTRICT

Dream Big!

SOLUTIONS FOR A SUSTAINABLE FUTURE

October 30, 2018

Prop 39 Program Update

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➤ **District Facts:**

- 200 sites with over 100,000 students
- 2nd largest school district in CA – 8th nationwide
- Climate Action Plan and “Dream Big” initiative
- Declining ADA – Financial pressure on general fund

➤ **Energy Facts:**

- \$19.4M Annual energy spend
- 75,467,989 kWh use in FY 2017
- HVAC is being installed to all sites (75% complete)
- PV Solar installed on 45 sites (PPA and district owned)

➤ **Prop 39 Program:**

- CEC approved 98 Projects on 59 Sites
- \$25,336,149 total allocated funds (5 yrs.)
- Six, full time, district staff exclusively Prop 39 funded
- Expected annual energy savings: 5,812,036 kWh
- Expected annual cost savings: \$1,427,706
- 119 jobs created
- CO² Offset: 4,082 metric tons

Prop 39 Project Status



➤ **Interior LED Lighting (since 2016):**

- Installed over 32K LED fixtures in Classrooms, Libraries, Admin. bldgs. & Gyms since 2016. \$9.1 Million.
- Rebate program - Received \$2.24 Million since 2016
- Average 19% kWh savings of total site use (w/HVAC)

➤ **Exterior LED lighting retrofit:**

- 11 sites to be completed by FY2020
- Some district labor and some contractec



Prop 39 Project Status

➤ HVAC efficiency replacement:

- Replacing 20+ year old HVAC with higher SEER rating
- 22 sites
- Design in 2018 & install 2019/2020



➤ HVAC Controls:

- Energy Management System (EMS) upgrade
- More control over stand-alone thermostats



Prop 39 Project Status

Challenges

- RFP process & Contracting Process was too long
- Time to complete installations by June 30, 2020
- Reliable and consistent use data from IOU

Future Additional Funding Use

- Remaining 80% sites interior & exterior LED lighting
- Additional ZNE projects to reach 50% 2030 CA goal
- Remaining 78% sites for PV solar generation
- Staff behavioral & student energy savings programs
- Benchmarking software
- AMR Sub-Meters for better accuracy of actual use