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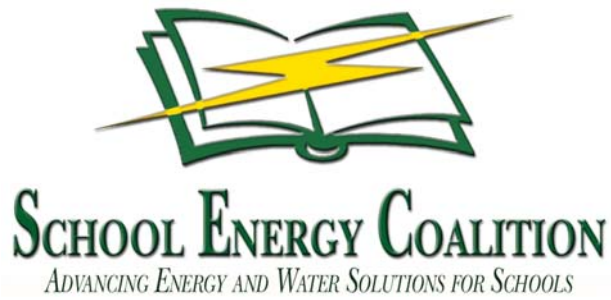
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Project Title:	Prop 39 - California Clean Energy Jobs Act
TN #:	212256
Document Title:	School Energy Coalition Comments: On Proposed Proposition 39 Guidelines
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Comment Received From: School Energy Coalition
Submitted On: 7/12/2016
Docket Number: 13-CCEJA-01

On Proposed Proposition 39 Guidelines

Proposition 39 District Examples attached

Additional submitted attachment is included below.



Proposition 39 Implementation
California Clean Energy Jobs Act



SCHOOL ENERGY COALITION
ADVANCING ENERGY AND WATER SOLUTIONS FOR SCHOOLS

Corona Norco Unified School District

Norco High School



New rooftop packaged HVAC units installed at Centennial HS July 2015 by Coutts Heating and Cooling, Inc. working for our ESCO, Climatec.



Campbell Union School District

Solar Roof at Castlemont School



Solar Lunch Shelter at Lynhaven School



Napa Valley Unified School District Solar Project



Riverside Unified School District

Inefficient SEER 6-8 Units Replaced



New SEER 16 HVAC



Lighting Retrofit from 4 lamp T8 to 2 lamp with prismatic reflector



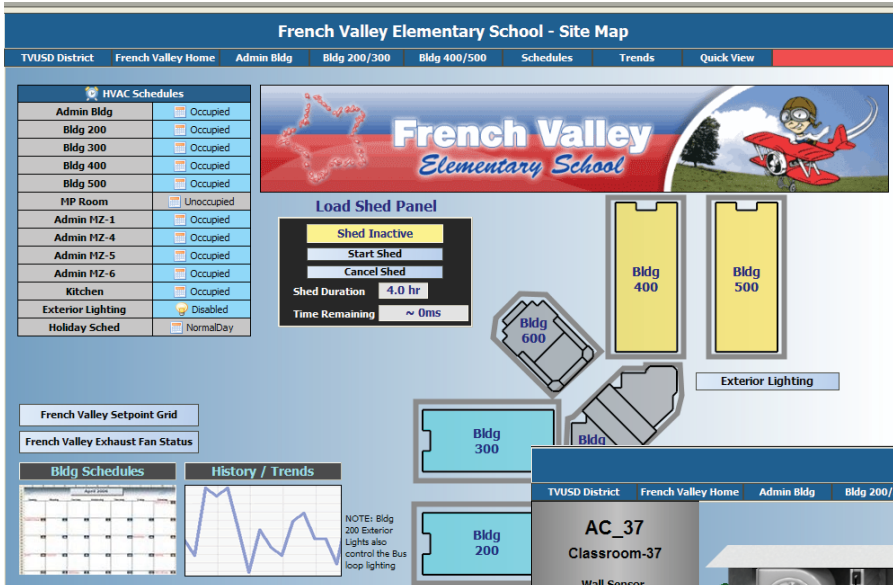
Santa Ana Unified School District

9 of our schools have undergone HVAC replacement and another 4 have received efficiency upgrades to the pool pump motors resulting in anticipated electric savings of 1,149,458 kWh electricity and 4,534 therms gas per year. We have spent almost \$4.1 million so far, which includes Year 3 energy studies and construction design documents.

Our construction design and energy consulting fees (which includes our ASHRAE II study costs) are running at just a little over 11% of construction costs. Contrary to the news article, this program has been a huge success here at Santa Ana.



Temecula Valley Unified School District



French Valley Elementary School - Site Map

TVUSD District | French Valley Home | Admin Bldg | Bldg 200/300 | Bldg 400/500 | Schedules | Trends | Quick View

HVAC Schedules

Admin Bldg	Occupied
Bldg 200	Occupied
Bldg 300	Occupied
Bldg 400	Occupied
Bldg 500	Occupied
HP Room	Unoccupied
Admin MZ-1	Occupied
Admin MZ-4	Occupied
Admin MZ-5	Occupied
Admin MZ-6	Occupied
Kitchen	Occupied
Exterior Lighting	Disabled
Holiday Sched	NormalDay

Load Shed Panel

Shed Inactive
Start Shed
Cancel Shed
Shed Duration: 4.0 hr
Time Remaining: ~ 0ms

French Valley Setpoint Grid

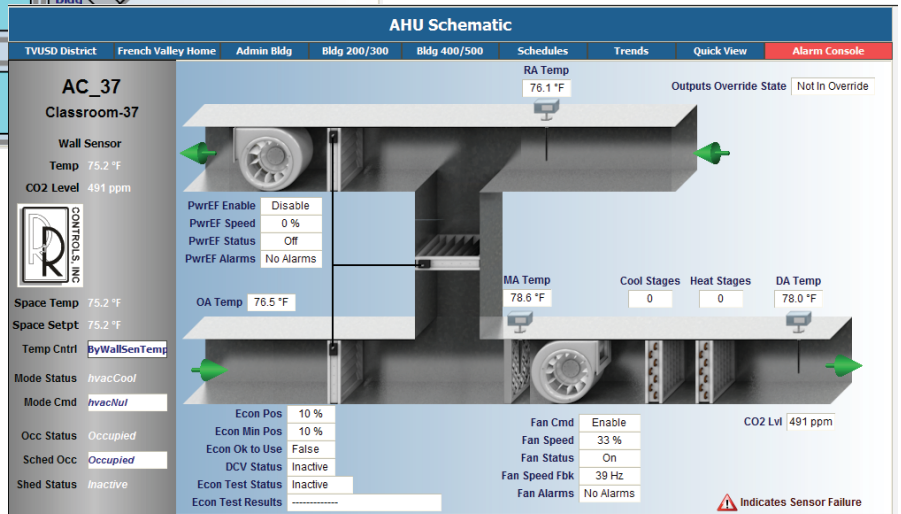
French Valley Exhaust Fan Status

Bldg Schedules

History / Trends

NOTE: Bldg 200 Exterior Lights also control the Bus loop lighting.

Temecula Valley Unified added demand control ventilation (DCV) with variable frequency drives (VFD's) to existing air conditioning units and upgraded the energy management system to include CO2 sensors at French Valley Elementary School. The project was funded with a combination of Southern California Edison and Proposition 39 funding.



AHU Schematic

TVUSD District | French Valley Home | Admin Bldg | Bldg 200/300 | Bldg 400/500 | Schedules | Trends | Quick View | Alarm Console

AC_37 Classroom-37

Wall Sensor
Temp: 75.2 °F
CO2 Level: 491 ppm

Space Temp: 75.2 °F
Space Setpt: 75.2 °F
Temp Cntrl: ByWallSenTemp

Mode Status: hvac-Cool
Mode Cmd: hvacNul

Occ Status: Occupied
Sched Occ: Occupied
Shed Status: Inactive

RA Temp: 76.1 °F
Outputs Override State: Not In Override

PwrEF Enable: Disable
PwrEF Speed: 0 %
PwrEF Status: Off
PwrEF Alarms: No Alarms

OA Temp: 76.5 °F
MA Temp: 78.6 °F
Cool Stages: 0
Heat Stages: 0
DA Temp: 78.0 °F

Econ Pos: 10 %
Econ Min Pos: 10 %
Econ Ok to Use: False
DCV Status: Inactive
Econ Test Status: Inactive
Econ Test Results: -----

Fan Cmd: Enable
Fan Speed: 33 %
Fan Status: On
Fan Speed Fbk: 39 Hz
Fan Alarms: No Alarms

CO2 Lvl: 491 ppm

Indicates Sensor Failure

Portion of central plant to be replaced at Margarita Middle School with Prop 39 money. The project is DSA approved and the Prop 39 application is pending.



San Marcos Unified School District

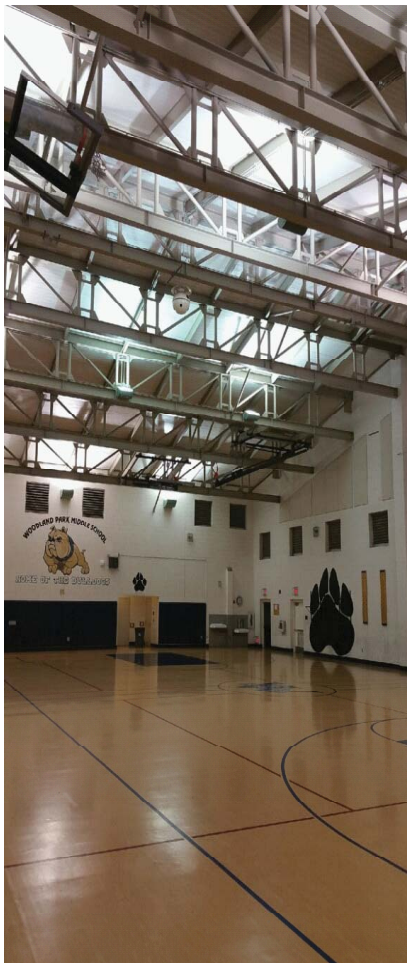
Woodland Park MS

LED lighting: Gym, PAC, parking lot
HVAC replacements

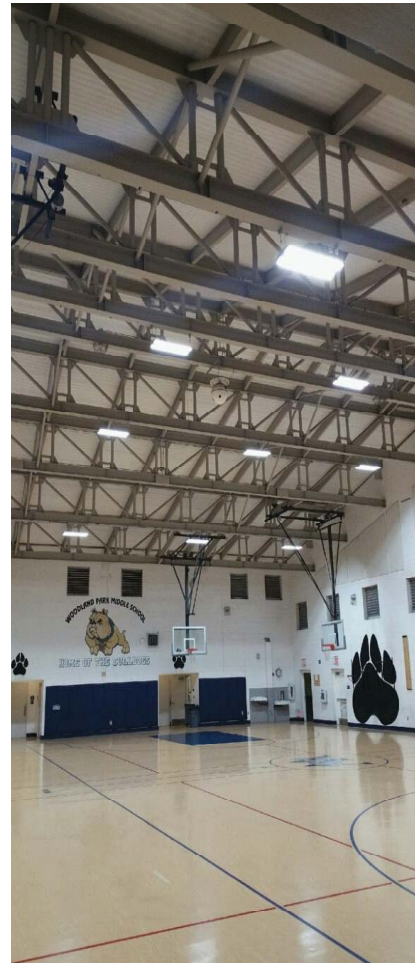
Five (5) sites:
LED lighting: MPR, Gym, library, Admin

Twin Oaks ES
Demand limiting (EMS/submeter)
HVAC replacements

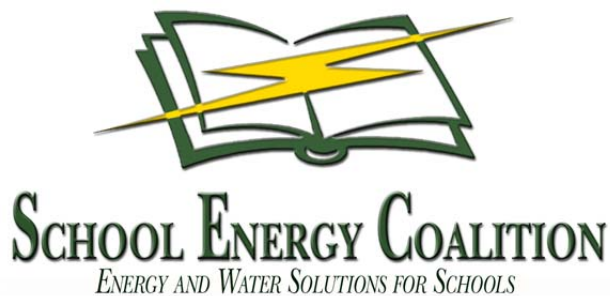
Two (2) sites:
Pilot: LED classroom retrofit kits



Before



After



June 1, 2016

The Honorable Lisa Murkowski
United States Senate
709 Hart Senate Office Building
Washington, DC 20510

The Honorable Maria Cantwell
United States Senate
511 Hart Senate Office Building
Washington, DC 20510

S 2012
Position: SUPPORT

Dear Senators Murkowski and Cantwell:

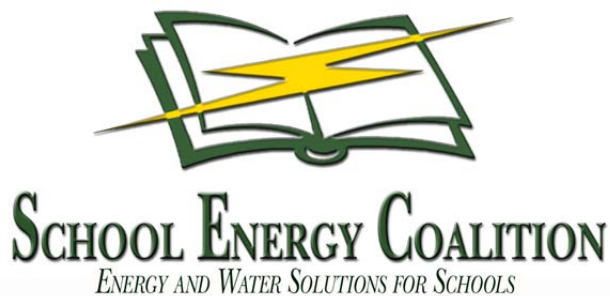
On behalf of School Energy Coalition (SEC), an organization made up of K-12 schools, community colleges, school construction and energy consultants in California focused on energy and water efficiency and renewable generation projects, I am writing to thank you for introducing S 2012, the Energy Policy Modernization Act.

Because SEC assists schools to become more energy and water efficient and supports funding and technical assistance to educational institutions for this purpose, we support the provisions of S. 2012 that make progress toward energy efficiency and clean sources of energy. We are ready to work with interested legislators as it is reconciled with the House.

SEC supports those energy efficiency provisions in S.2012 that were part of the bipartisan Energy Savings and Industrial Competitiveness Act (also known as Portman-Shaheen). S. 2012 establishes greater energy efficiency in homes and commercial buildings through strengthening the current process of developing, adopting, and implementing model codes. Because there is very little funding available for school facilities at this time in California, these upgrades cannot be accomplished without specific funding eligibility for K-14 schools for this purpose. We strongly support other efficiency measures such as the Smart Buildings Initiative, reauthorization of the Weatherization Assistance Program and State Energy Programs that seek to increase energy efficiency in buildings, industry and the federal government, reducing pollution while saving taxpayer dollars and promoting job growth.

We also support the research and development of new clean energy technologies yet to be commercialized on a large scale that schools may want to use but are currently cost prohibitive. The bill provides grid modernization investments designed to help smooth integration of distributed renewables, an important step in advancing the deployment of renewable energy, something our schools are seeking in greater numbers as electricity rates continue to move in an upward direction.

Currently, the United States ranks 29th among developed nations in federal research and development on energy. This bill addresses this funding shortfall by increasing authorizations for the Department of Energy's Office of Science and the Advanced Research Project Agency-Energy (ARPA-E).



ARPA-E is the nation's only agency devoted to transformational energy research and development. The program was designed as a long-term investment program dedicated to helping invent next generation technologies. The projects funded by ARPA-E will help build the country's energy infrastructure and economy for the next century.

Finally, California's schools acknowledge the need more qualified energy workers and support the workforce training provisions that establish an advisory board at DOE and a competitive workforce grant program to provide job training through a community college or registered apprenticeship program.

Thank you for your consideration. Please contact me with questions or concerns regarding this letter.

Sincerely,

Anna Ferrera
School Energy Coalition

cc: Barbara Boxer, United States Senate
Dianne Feinstein, United States Senate