



SACRAMENTO CITY UNIFIED SCHOOL DISTRICT BOARD OF EDUCATION

Agenda Item 11.1

Meeting Date: December 10, 2015

Subject: SMUD High School Energy Audit Training Project – Energy Efficiency
Recommendations for The Met, School of Engineering and Sciences,
John F. Kennedy and West Campus High Schools

- ☒ Information Item Only
- ☐ Approval on Consent Agenda
- ☐ Conference (for discussion only)
- ☐ Conference/First Reading (Action Anticipated: _____)
- ☐ Conference/Action
- ☐ Action
- ☐ Public Hearing

Department: Facilities Support Services

Recommendation: N/A

Background/Rationale: Students from SCUSD Schools participated in SMUD's student energy auditor and training project. Students were trained in energy efficiency auditing, the impact of energy use on the global environment, and green career pathways. In the process, students developed workforce skills and experience. Students used new skills to help their schools save money and energy and are presenting their findings.

Financial Considerations: Students and teachers were paid stipends for their participation.

LCAP GOAL(s): College and Career Ready Students; Safe, Clean and Healthy Schools; Family and Community Engagement

Documents Attached:

1. Executive Summary

Estimated Time of Presentation: 20 minute presentation

Submitted by: José L. Banda, Superintendent

Cathy Allen, Chief Operations Officer

Approved by: José L. Banda

Board of Education Executive Summary

Facilities Support Services

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I. OVERVIEW / HISTORY

SMUD has become the first utility in California to develop a comprehensive set of services in support of the California Clean Energy Jobs Act (Proposition 39). As part of its Prop 39 services, SMUD is training the next generation of the energy industry's workforce through a program called "Auditing Conservation, and Training (ACT)". The program pairs junior and senior high school students with a teacher-mentor from their school, and provides them with the skills and experience to begin energy efficiency-related and energy-auditing careers. The program also provides opportunities for participating students to help their own school districts save money by organizing an energy efficiency campaign during the month of October. Student and teacher participants are paid a stipend for their time.

32 students from four different school districts were broken into two week-long classes and trained on the green energy industry, energy efficiency, electrical load auditing, and were coached in developing workforce skills. The summer course was delivered by SMUD's contractor, the Alliance to Save Energy, and included theoretical classroom lessons and practical field work. Eight students each from John F. Kennedy, West Campus, the School of Engineering and Sciences, and the Met High Schools worked with facilities staff, their administration, and their peers to promote practical conservation measures. The four teams are presenting the results of their efforts.

II. DRIVING GOVERNANCE

Board Policy 3511 Grimes-Kennedy Green and Grid Neutral Model Schools Policy

III. BUDGET

N/A

IV. GOALS, OBJECTIVES, AND MEASURES

- Provide workforce skills and experience to SCUSD high school students in energy efficiency and energy auditing, and introduce them to energy efficiency career paths.
- Establish students as a resource for educating peers, teachers and administrators regarding

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cost effective energy efficiency measures and options for reducing energy demand and associated carbon emissions.

- Reduce electrical costs associated with heating, lighting, and cooling.
- Facilitate teaching staff to incorporate energy efficiency and conservation lessons into their broader curriculum.
- Raise community awareness about the importance of energy conservation in helping to reduce greenhouse gas emissions and mitigate global climate change.

V. MAJOR INITIATIVES

N/A

VI. RESULTS

Students from four high schools completed one week of intensive education in energy auditing, the impact of energy use on the global environment, and green career options. Students organized a conservation campaign at their schools and have made recommendations for cost-effective energy reductions.

VII. LESSONS LEARNED/NEXT STEPS

Facilities Support Services to evaluate student recommendations for potential to include in Proposition 39 efficiency projects, as applicable. Students will promote student/teacher energy efficiency behaviors on campus.