

**PY 2002 - 2003 CPUC Energy Efficiency Programs
Quarterly Reports Narrative**

Program Implementer Name:	Alliance to Save Energy
Program Title:	Green Schools Green Communities
Program Reference Number:	142-02 – PG&E Territory
Quarter:	4th Quarter 2003
Period Covered by this Report:	October 1, - December 31, 2003

Section I. Program Overview

The Alliance's Green Schools Program is an energy efficiency education program that achieves immediate and persistent energy savings by reaching students, teachers, administrators, and residential customers through a program of targeted and in-depth education, multilevel outreach, and behavioral modification.

Section II. Program Summary Data

1. Program Expenditures

Activity	Actual	Committed	Total
Administrative	\$107,543.22	\$0	\$107,543.22
Marketing and Outreach	\$66.66	\$0	\$66.66
Direct Implementation	\$205,234.10	\$20,833.66	\$226,067.76
EM&V	\$1,283.94	\$0	\$1,283.94
TOTAL	\$314,127.92	\$20,833.66	\$334,961.58

2. Energy Savings and Demand Reduction – *Not applicable*

Green Schools, Green Communities is an information-only program and does not include any specific energy measures. Therefore, it is not required to submit energy and peak demand savings targets or cost-effectiveness calculations.

3. Unit Count – *Not applicable*

4. Rebate and Install Program Summary – *Not applicable*

5. Audits/Site Surveys – *Not applicable*

6. Training

As a follow up to the professional development workshops, we performed walk-through energy "education" audits at eight (8) different school sites; four (4) elementary school sites: MP Brown, Thomas, John F Kennedy, and Yulupa, and four (4) high school sites: Analy, El Molino, Laguna, and Montgomery.

At most of these schools, the students used the equipment from the tool kit and conducted experiments, such as measuring lighting levels. Staff and students were able to determine many ways they could save money on energy costs by simple observation of energy use.

7. Marketing

The Alliance wrote and disseminated the Green Schools Update Newsletter, a quarterly newsletter for educators, facilities staff, and students that reports on Green Schools activities and provides energy efficiency news and resources.

Section III. Customer Summary Data

1. Customer Count – *Not applicable*

2. Customer Enrollment

Nineteen (19) school sites in ten (10) school districts are currently enrolled in the Green Schools program.

District	Elementary	Middle	High	Totals
Vallejo City	2			2
San Mateo Union High			1	1
Petaluma City Elementary	2			2
Petaluma Joint Union High		1	1	2
Tamalpais Union			1	1
Jefferson Unified	4			4
West Sonoma County Unified			3	3
Santa Rosa City Schools			1	1
Bennett Valley	1			1
Bellevue Union	2			2

3. Customer Details

Nineteen (19) school sites are participating in the program. There is a diverse population of students as reflected by the demographic report.

- There are an estimated 14,316 students enrolled in these schools.
- Four (4) sites have 50 percent or higher of their student population enrolled in the free and reduced priced meal program – a socio-economic low-income indicator – Two (2) of these sites exceed 88 percent of the entire population.
- Seven (7) of these school sites receive a portion of Title One or other compensatory education funding for their students, and one of the seven receives funding school-wide. This is an important economic indicator since these federal funds are for educationally at-risk students.

Title One helps the following students meet state academic content and performance standards:

- Low-achieving students who attend the highest-poverty schools
- Students with limited proficiency in the English language
- American Indian students
- Migrant students
- Neglected, delinquent, or at-risk children and youth
- Students with disabilities
- Young children who need reading assistance

A school that implements a school-wide Title One program must serve an attendance area in which at least 40 percent of the children are from low-income families or at least 40 percent of the children enrolled in the school are from low-income families.

4. Hard to Reach

The standard zip code list that is produced (by the utilities) for assessment of target populations does not take into consideration the fact that a school may reside in a zip code that is not identified as Hard to Reach (HTR) while the students it serves come from neighborhoods that may be classified as HTR. Since it would be difficult to track students and establish criteria, we would assert that based on demographic data on the schools that we are serving, that there are ten (10) sites that meet the general definition of hard to reach. There are four (4) schools that automatically are classified as Hard to Reach (HTR) since they are identified by the HTR zip code data list from SCE.

- Two sites (2) have high socio-economic low-income indicators with 89.7 percent (Bellevue) and 88.7 percent (Kawana) of their student enrollment eligible for the free and reduced-price meal program and 51% (Bellevue) and 56% (Kawana) of the students receiving Title One and/or compensatory education funding. Both of these sites also have higher enrollments of Hispanic/Latino (over 66 percent) students – typically viewed as a hard to reach population.
- Four (4) sites in the Jefferson Unified School District have a large minority population of Hispanic/Latino, Filipino and Asian students ranging from 50-81 percent of the school population – making the case that these schools serve a population of students that have been identified as harder to reach populations.

Attachment A: School Matrix at a Glance

Attachment B: School Demographic Profile

Section IV. Program Implementation Status

The program activities and target dates as outlined in the PIP for this reporting period are listed below with status, deliverables and attachments, if applicable:

1. Status of Program Delivery

Obtain Statement of Intention from School Districts

Status:

We have received the Letter of Intent from Santa Rosa City School District after a year of soliciting their participation.

Deliverable: *Signed Statement of Intention from Santa Rosa City School District* - Available as a Hard Copy Only – **Attachment 1**

Create Student Advisory Committees (SAC) and begin regular meetings in selected schools (first and second year) DUE 11/30/03

Update:

We have kept in touch with the students from Montgomery and Analy High Schools who attended the training in September. The students from Montgomery High are forming an Energy Council with our support.

Forming of the SAC's is still in its early stages; however, several students have made a commitment to be part of the effort.

Deliverables: The *List of SAC Students* was provided with the November 2003 monthly report as Attachment B.

Train High School students to become certified student energy auditors
Revised due date 12/31/03

Update:

We assisted in making all the arrangements for two high schools (El Molino, Analy) to participate in the advanced energy audit training program *Savings Through Energy Management (STEM)*. The STEM program is math and science intensive and the audit includes both behavioral and retrofit options.

El Molino and Analy High Schools began STEM (Saving Through Energy Management) training on November 3, 2003 and completed the training in mid-December. Both of these schools are in the same school district, West Sonoma County Unified, and they are preparing the final reports that will be presented to their school site councils and at faculty meetings in mid-January. They will do their final presentations to the School board in February.

Deliverables: *The List of Students Participating in STEM* was provided in the November 2003 monthly report as Attachment A. The report of student recommendations will be provided when it is complete.

2. Program Accomplishments

As noted in the customer details we have met our goal of (18) schools sites and exceeded it by one and we have met the 50 percent target for Hard to Reach.

Individual school accomplishments are described in the monthly reports, and will also be detailed in the upcoming 2004 version of *Students Leading the Way*, to be produced for distribution at the end of year celebrations in May 2004.

3. Program Challenges

We had one school site that we had tried to bring into the program in late October by doing onsite training but they were not able to continue their commitment to the program at this time.

4. Customer Disputes

There were no customer disputes during this report period.

5. Compliance Items

There were no compliance items that needed to be addressed during this report period.

Section V. Additional Items

Although we have successfully exceeded our goal of 18 school sites, we have continued our recruitment efforts to identify new schools for potential participation in the program. In the past some schools have had to withdraw from the program due to unforeseen circumstances and recruiting extra schools is necessary to ensure goals are met.