



## Empowering Students, Generating Change

School districts spend more money on energy than on textbooks and supplies combined, and much of that energy is wasted. **Since 1996, the Alliance to Save Energy's PowerSave Schools Program has empowered students in thousands of schools across the country to save energy in their schools.**

PowerSave students learn about energy and energy efficiency by engaging in hands-on projects, using diagnostic tools to assess energy consumption in their schools and point to ways to conserve. PowerSave students use the school building as a learning lab to solve real world problems and generate cultural change by making energy efficiency visible, important, and doable.

## WHAT POWERSAVE SCHOOLS DOES

### HANDS ON LEARNING

The PowerSave Schools Road Map encourages student inquiry that integrates Science, Technology, Engineering, and Mathematics (STEM) and service learning principles. Using diagnostic tools and instructional materials correlated to state standards, students engage in project based learning to collect and analyze data, identify energy problems, and propose practical solutions to achieve substantial energy savings.

### STUDENT LEADERSHIP

PowerSave Schools students lead the way in spreading the energy efficiency message to the school community and beyond, from energy assessments to dynamic school assemblies.

### STUDENT ENERGY AUDITING TRAINING (SEAT)

This workshop gives students first-hand experience in analyzing how energy is used at their school and demonstrates to students that they, along with the entire school community, can help improve the efficiency and operation of their school environment.

### PATHWAYS TO GREEN CAREERS

PowerSave Schools promotes student awareness and interest in green jobs and offers basic knowledge and skills for pursuing opportunities in the emerging green economy.

## SAVES ENERGY & MONEY

### SAVE SCHOOLS MONEY

PowerSave Schools typically achieve electricity savings averaging between 5 and 15 percent on average through no cost behavior and operations changes, with millions of dollars saved program wide. Districts are encouraged to return a percentage of the avoided energy cost savings back to schools.

### ENERGY SAVING TEAM

Teachers, students, and facilities staff work together to achieve the joint goals of student learning, energy savings, and community outreach. The PowerSave Schools Road Map guides the teams to design and implement plans that fit their own school and district's unique needs.



It is rare to find a program that provides educational benefits, conservation benefits, and monetary savings all with little investment on behalf of the district. ”

Jeff Okun

*Asst. Superintendent,  
Business Support Services, Temecula  
Valley Unified School District*

## EXAMPLES OF POWERSAVE SCHOOLS BEST PRACTICES

Student energy audits in Washington, DC reveal the causes of overheated classrooms, and students prompt actions to insulate heating supply pipes.

Students in Rochester, NY convince teachers to exchange multiple small refrigerators for one larger, Energy Star refrigerator, saving \$620 on energy costs per year.

Students in Hesperia, CA make energy efficiency recommendations that become district-wide policy.

Memphis high school students educate their neighbors about efficiency opportunities and replace incandescent bulbs with free energy-efficient light bulbs.

Teachers in Lake Elsinore, CA integrate energy efficiency into persuasive essay writing activities.



AN ALLIANCE  
TO SAVE  
ENERGY  
PROGRAM



# ROAD MAP

K-12<sup>th</sup> GRADE

*Empowering Students.  
Generating Change.*



Professional  
Development  
Workshop

Expand Your  
Team

Learn the  
Basics

End of Year  
Celebration

Spread the  
Word & Start  
Saving

Green Your  
Career

Begin Your  
Energy Audit

Present Your  
Final Report

Shut it Down

Explore  
Renewables

Understand  
Energy  
Demand

Mid-Year  
Meeting

- Professional Development
- Action Step
- Curriculum Integration

**ALLIANCE  
TO SAVE ENERGY**  
*Using less. Doing more.*