

Development Grants

Background

The Legislature appropriated \$2.5 million to the School Facilities Board to implement a water and energy savings pilot grant program. The Board adopted the parameters for the distribution of these funds at the October 2007 Board meeting.

Grant funding was divided into two types of projects: development grants and implementation grants. Recommended awards for development grants will be presented at the April meeting, recommendations for implementation grants will be presented at the May meeting.

Development Grants

The establishing statute defines development grants as “energy and water saving audits and preparations of grant applications.” The Board may award up to \$250,000 in development grants.

Evaluation

The SFB received 27 applications for development grants. Attached is the summary scorecard for all of the applications. Applications were evaluated based on the following criteria (total 100 points):

Energy and water utilization (50 points): SFB and Energy Office Staff analyzed energy and water use over the last 12 months to determine which projects had the most potential for savings. Staff compared this data on a square footage basis and converted the results into an index (the EUI or WUI) based on 50 points. Energy and water savings potential were equalized for comparison purposes.

Local Resource Index (30 Points): This index is based on the per pupil bonding capacity of the applicant.

Implementation Funding Plan (10 Points): Applicants submitted proposed funding plans for implementing the results of the study. Points were awarded based on the specificity of the plan.

District Energy Plan (10 Points): Awarded points were based on the specificity, completeness, and quality of the plan.

Recommended Awards

After the review, staff recommends the following projects for funding.

Apache Junction Unified School District – Score 81

Desert Vista Elementary School

Total Sq. Footage: 65,000

Amount Requested: \$10,000

Recommended Award: \$10,000

The Desert Vista Elementary School was built in 1988. The district will use the grant funds to study energy and water use at Desert Vista. The district will also implement the audit results on Gold Canyon Elementary School, which is a prototype, built in 1985. The district plans to add \$2,000 to the grant funds.

Page Unified School District – Score 79

Districtwide

Total Sq. Footage: 628,263

Amount Requested: \$40,000

Recommended Award: \$40,000

The Page Unified School District will use the funds to conduct an Energy Conservation Feasibility Study and evaluate potential changes to electrical systems, energy management devices, insulation, lighting and HVAC systems to reduce energy consumption at its four school sites including the administrative offices. The district will also evaluate the use of facilities and

energy management protocols. The audit results will help the district to evaluate cost/benefit of each conservation measure identified to prioritize potential investment. The district plans to add \$20,000 to the grant funds.

Peoria Unified School District – Score 77

Cactus High, Foothills Elementary, District Administrative Office

Total Sq. Footage: 355,748

Amount Requested: \$40,000

Recommended Award: \$40,000

The Peoria Unified School District has an established Utility Conservation Program with a goal to reduce energy and water throughout the district. The district will use the funds to conduct energy and water audits at Cactus High, Foothills Elementary and the District Administrative Office, and reassess Utility Conservation Program at these sites as a base to refine the program districtwide.

Deer Valley Unified School District – Score 76

Barry Goldwater High School

Total Sq. Footage: 311,561

Amount Requested: \$40,000

Recommended Award: \$40,000

The Barry Goldwater High School was built in 1986. The district has budgeted HVAC and lighting upgrades for this school in the FY 2009 district bond program. The district will use the awarded funds to conduct a full energy audit to ensure that the design and equipment used in the upgrade will produce maximum energy efficiency. The district plans to add \$22,400 to the grant funds.

Agua Fria Union High School District – Score 74

Agua Fria High School

Total Sq. Footage: 232,270

Amount Requested: \$10,000

Recommended Award: \$10,000

The Agua Fria Union High School District will use funds to study and evaluate water usage for landscape irrigation at Agua Fria High School, with a goal to reduce the use of potable water. The district intends to implement intelligent water controls to monitor moisture in the ground, monitor the distribution system for defective valves/breaks, and monitor weather conditions to determine the correct water quantity required.

Mayer Unified School District – Score 72

Mayer Jr/Sr High School

Total Sq. Footage: 47,587

Amount Requested: \$12,844

Recommended Award: \$12,844

The Mayer Jr/Sr High School was built in the 1980's. The district will use the funds to analyze current utilities usage, and determine best conservation measures to control cost. The district intends to be energy efficient and conscious of best practices moving forward. The district's goal is to reduce the current energy cost of \$1.91/sf to \$1.25/sf.

Tucson Unified School District – Score 71

Districtwide

Total Sq. Footage: 7,882,787

Amount Requested: \$40,000

Recommended Award: \$40,000

The Tucson Unified School District will use the funds to study and analyze electrical and natural gas usage for HVAC and lighting systems throughout the district, and evaluate the condition of current HVAC and lighting systems in terms of energy efficiency, maintenance and operations. The district will use the data to implement an Energy Conservation Program with a goal to improve efficiency and reduce utility cost. The district plans to add \$35,000 to the grant funds.

Queen Creek Unified School District – Score 70

Queen Creek Middle School

Total Sq. Footage: 133,146

Amount Requested: \$15,000

Recommended Award: \$15,000

The Queen Creek Middle School was built in the 1960's with multiple additions and renovations in the 1980's. The multiple buildings with partially upgraded building systems due to constant renovations over the years has created an opportunity for energy savings. The district will use the energy audit information of the Queen Creek Middle School to examine energy usage of other schools in the district.

Toltec Elementary School District – Score 67

Toltec Middle School

Total Sq. Footage: 88,090

Amount Requested: \$6,559

Recommended Award: \$6,559

The Toltec Middle School was built in 1956, and is a combination of eleven buildings. The district will use the funds to conduct a full energy study of its Middle School. The district will focus its audit on building systems that require training beyond the expertise of its staff. The main focus for the study will be HVAC systems, lighting retrofits, technology equipment and power factor.

Buckeye Elementary School District – Score 66

Buckeye Elementary

Total Sq. Footage: 140,434

Amount Requested: \$25,300

Recommended Award: \$25,300

The Buckeye Elementary School was built in the 1950's with additions in the 70's, 80's and 90's. The district will use the grant funds to audit lighting and HVAC in the building built prior to July 1999. The district's objective is also to evaluate the facility use to better understand the current lighting and HVAC load.

Winslow Unified School District – Score 65

Districtwide

Total Sq. Footage: 478,581

Amount Requested: \$20,000

Recommended Award: \$10,297

The Winslow Unified School District will use the grant funds to evaluate, analyze and tabulate the current utility usage with a goal to create an action plan for energy savings solutions for the entire district. The district's goal is to develop a plan to reduce energy consumption by 10%-20% within the next 5 years.