

# American Recovery and Reinvestment (ARRA) Energy Grant Program

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SFB

602-364-1193

# Program Overview

- ARRA Funds - \$20 Million
- Solar Projects - 30%
- Energy Efficiency Upgrades - 70%

“The projects shall meet the requirements set forth in the American Recovery and Reinvestment Act (ARRA) of 2009, including the Davis Bacon Act.”

# Solar Projects

- Funds Available -\$5.5 Million
- Up to 30 KWdc
- SFB to pay 100% of project cost
- Target - Small School Districts
- Selection based on square footage
- SFB will notify eligible school districts
- 25 school districts notified so far

# Energy Efficiency Projects

- Funds Available-\$13 Million
- SFB share-30% of the project cost up to \$1 million per district
- District Share-70% of the project cost
  - Any district funds available for capital expenditure
  - Performance Contracting

# Energy Efficiency Projects

- Eligible Projects
  - Energy upgrade that results in energy savings (electricity and gas)
    - HVAC upgrade
    - Lighting upgrade
    - Controls
    - Solar Hot Water, etc.

# Energy Efficiency Projects

- Projects that are not eligible
  - Water Conservation
  - Projects that are exclusively training and awareness in nature
  - Projects that result in operational savings only

# Energy Efficiency Projects

- Application Process
  - Online Application
  - Deadline –Nov 6, 2009
  - Competitive Selection Process
  - Award-January '10 SFB Board Meeting

“All school districts interested in ARRA funds are asked to fill out the online application regardless of funding source.”

# Energy Efficiency Projects

- Criteria for Selection
  - Life Cycle Payback
  - Energy Savings (measured by unit reduction)
  - Energy Savings (measured by dollar reduction)
  - Utility Budget Impact

# Performance Contracting

- Key Features
  - Guaranteed energy savings
  - No up-front cost
  - Project cost paid over-time through energy savings
  - Performance contractor bears the risk if savings not realized as guaranteed by the contractor

# Performance Contracting

- Things to Consider
  - Type of Project
  - Roles & Responsibilities of the district
  - Length of the contract
  - Measurement & Verification to maintain guaranteed savings
  - Finance options
    - Issue Bonds
    - QSCB
    - Financial Institutions
    - Utility Companies

# Selecting an ESCO /

(Energy Service Company)

# Performance Contractor

- State Contract
- Cooperatives
- District's own RFQ Process

# Selecting ESCO

(Energy Service Company)

## through State Contract

### PHASE I

1. District notifies all nine ESCOs
  - Districts may use 'Project Info' template from SFB website
2. ESCOs respond to district's notification
  - Present preliminary audit info with estimated cost and energy savings
  - Not all ESCOs have to respond
3. District selects an ESCO based on criteria established by the district
  - Districts may use 'ESCO evaluation' template from SFB website

# Selecting ESCO

(Energy Service Company)

## through State Contract

### PHASE II

1. District/ESCO submits online grant application
  - Application due Nov 6, 2009
2. SFB awards grant funds based on criteria established
  - Award to be made at January '10 SFB Board Meeting

# Selecting ESCO

(Energy Service Company)

## through State Contract

### PHASE III

1. Qualified district signs contract with ESCO for Investment Grade Audit(IGA)/ Full Technical Audit
2. Qualified district procures commissioning company for third party commissioning
  - Verify ECMs/Energy upgrade proposed
  - Verify Design and Installation

“Qualified districts with application based on information from IGA report will submit the report to SFB for approval.”

# Selecting ESCO

(Energy Service Company)

## through State Contract

### PHASE IV

1. District/ESCO Investment Audit Report/Technical Audit to SFB for approval
2. SFB reviews the report and authorizes districts to proceed
3. District signs lease payment agreement with Financial Institution
4. District and ESCO sign contract for Energy Upgrade Renovations

“District shall not proceed into construction without SFB’s approval of its IGA report.”

SFB

State of Arizona  
School Facilities Board



Search

Click on District Access

SFB Home Page

New Construction

Building Renewal

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Energy Efficiency & Sustainability

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Land Acquisition

**[ALERT: OUTDOOR STEEL STADIUM LIGHT POLES](#)**

The U.S. Consumer Product Safety Commission has released an alert regarding outdoor steel stadium light poles. Click the link above for details.

ANID-163 Posted: 8/27/2009

**[COMMUNITY SCHOOL USE AGREEMENTS](#)**

The SFB continues to post articles or announcements of general interest each month on a specific topic. This month's offering, "Community School Use Agreements", provides a resource for legal tools to help create joint use agreements.

ANID-162 Posted: 8/18/2009

**[STIMULUS ENERGY GRANT APPLICATION](#)**

The SFB is now accepting applications for the funding of energy efficiency projects through the stimulus energy grant program. Below are links to the program statement and supporting documents. Please read these documents carefully and direct questions to your district liaison.

Click the link above to start the application process. Choose the district from the drop-down menu, go to GRANTS in the top menu, then select Stimulus Energy Grant Application in the drop-down menu. Click on START NOW to

**Choose District/School**

District: School Facilities Board

School: School Facilities Board

Click on Application

Select your district

After selecting the school and district you desire, please select desired information from the menu across the top of this page.

## Energy Application Listing

School Facilities Board

Due Date: November 6, 2009

New Application: [Start Now...](#)

**Instructions:**  
The following lists the district's Energy Grant Applications. Applications that have been submitted may be viewed but not edited.

A unique password is generated for each application. When creating a new application make note of the password assigned by the system as it will be required for accessing the application.

Users must allow cookies from azsfb.gov and must have JavaScript enabled in browser to complete the application. [Click Here](#) for instructions on how to enable JavaScript in your browser.

To allow cookies for azsfb.gov in Internet Explorer:

1. Select Internet Options from the Tools menu.
2. Click on the Privacy tab.
3. Click the Sites button.
4. Type azsfb.gov in the Address of website box then click the Allow button.
5. Click the OK button to close each of the dialog boxes.

- In Process [Default Application Name](#) E81A9
- In Process [New Application](#) 38C4D
- In Process [New Application](#) 16752
- In Process [New Application](#) A5E7B
- In Process [New Application](#) E15E7

→ Password

[Energy Application Listing](#)

**Energy Application Main Page**  
School Facilities Board

Due Date: November 6, 2009

[Printable Version](#)

Status: In Process

[Submit Now...](#)

**Instructions:**

1. Click the headers of the various sections to add or edit the elements in each section. Glide your mouse over the blue text to see pop-up instructions and tips.
2. E-mail PDF version of full backup audit report to [spandey@azsfb.gov](mailto:spandey@azsfb.gov).

The following abbreviations are used throughout the application.

ESCO: Energy Service Company/Performance Contractor

ECM: Energy Conservation Measures

M&V: Measurement and Verification

[Application Title](#) **New Application**

[Contact Information](#)

[Schools](#) Included Building Square Footage:

[2009 Energy Expenditures](#)

[ECM](#)

[Additional Costs](#)

Additional Costs			
Overhead	0	%	\$0

Application Title:

District Contact

First Name

Last Name

Email

Phone

Address

City

State

Zip

Esco Contact

ESCO Name:

First Name

Last Name

Email

Phone

Address

In the appropriate box. Check the boxes for the buildings audited. Check all boxes if entire school site is audited.  
Click Submit to save entries and return to the School Detail screen.

**Electric**

Other Provider Name:

- APS
- City of Mesa
- Duncan Calley Electric Coop, Inc
- Graham County Electric Coop, Inc
- Mohave Electrical Cooperative
- Navopache Electric Coop, Inc.
- NTUA
- NTUA
- SRP
- Sulphur Valley Springs Electric Coop, INC.
- TEP
- Tico Electric Coop, Inc

**Gas**

Other Provider Name:

- Bagdad Copper Market
- Black Mountain Gas Company
- Broken Arrow Gas Company
- City of Benson
- City of Mesa
- City of Phoenix
- City of Safford
- City of Willcox

**Buildings**

- 1001 SE Wing - Original District Offices
- 1002 SE Wing - Addition #1 Board Room
- 1004 East Wing (Food Serv) District Offices
- 1005 NE Wing (HR/Finance) District Offices
- 1006 NW Wing (Spec Ed) District Offices
- 1007 West Wing (Tech) District Offices
- 1008 P1 (ELO/MIS) District Offices
- 1009 P2 (REACH/Psych) District Offices
- 1011 Storage Two District Storage
- 1012 BR Test Building 1 in School 2 Classrooms
- 1013 BR Test Building 1 in School 2 Classrooms
- 1014 BR Test Building 1 in School 2 Classrooms
- 1015 BR Test Building 1 in School 2 Classrooms
- 1016 BR Test Building 1 in School 2 Classrooms
- 1018 Test BR Building 2 at School 2 Administrative
- 1020 BR Test Building Number 1 Classroom
- 1021 BR Test Building 2 Administration
- 1022 Building B South Classroom
- 1023 Building C Classroom
- 1024 Building C/D Classroom
- 1025 Building D North Classroom
- 1026 Administration Administration
- 1029 Central Plant Central Plant
- 1030 Football Main Snack Bar Snack Bar
- 1031 Self-Contained Spec Ed (900 Wing N) Classroom
- 1034 P1 (A,B) Classroom/Labs

**Instructions:**  
Add or edit ECM information then click the save button.

ECM Type Lighting Upgrade

Description  
Type of Energy Conservation Measure. Similar ECMs for multiple schools shall be grouped under one ECM.

Annual Energy Savings BTU 0

Annual Energy Savings Dollars 0

Installation Cost 0

M&V Type A

Useful Life 0

Save

Questions?  
[Sameer Pandey \(spandey@azsfb.gov\)](mailto:spandey@azsfb.gov)

**Additional Costs**

[Energy Application Listing](#) -> [Energy Application Main Page](#)

Due Date: November 6, 2009

**Additional Costs**

School Facilities Board

**Instructions:**  
Fill out each box. Then click the Submit button to save the information.

**Additional Costs**

Overhead  %

Profit  %

Investment Grade Audit Fee \$  Per Square Foot

Permit \$

Contingency  %

SFB will add 3% contingency based on total cost of installation. The contingency can be used with SFB's approval only.

**Annual Fees**

Maintenance Service per year

M & V Cost per year \$

Submit

**Questions?**

[Sameer Pandey \(spandey@azsfb.gov\)](mailto:spandey@azsfb.gov)

Questions??