

**SAVENERGY PROGRAM ENERGY AUDITS
THROUGHOUT U.S. AND PUERTO RICO**



OVERVIEW

Audits include identification of energy conservation measures and water/renewable energy screening, analysis of modification cost and savings as well as life-cycle cost analysis of measures identified. SAVEnergy audits are required to examine the operation of buildings and systems and condition of the building envelop, all energy consuming equipment, utilities systems, and utility bills, purchased fuels and metered data. Determination of the feasibility or potential for energy and water conservation and renewable energy measures that are life-cycle cost effective. As a minimum, the audit examines the operation of the following:

- Interior and exterior lighting
- Heating, ventilating and cooling equipment and control systems
- Motors
- Service and domestic hot water equipment
- Insulation of piping and tanks
- Evaluation of utility rate schedules
- Operation and Maintenance procedures

Water Conservation Screening is performed using WATERGY. Applicable input data is collected to complete the Federal Renewable Energy Screening Assistant (FRESA) software tool provided by the Federal Government. After-hours walk through inspections of the facility are performed to determine if there is any significant, unexpected, after-hours energy or water usage. Any cost-effective operations and maintenance (O&M) recommendations based on observations of building operations and equipment are addressed. All applicable utility financial incentives, goods or services (e.g., rebates) are identified and listed. An “Action Plan” is drafted which describes the Agency’s realistic assessment of the decision making process, barriers, funding options, and likely steps it will take to act on the recommendations presented in the SAVEnergy Survey. The final “Action Plan” was developed in consultation with agency representatives and be included in the final SAVEnergy Action Plan Report. Provide a briefing for

SA ROLE

Lead Auditors & Energy Analysts

SIZE

1.05 Million sf. ft.

COMPLETION DATE

2004

TOTAL COST

\$

CONSULTANTS

N/A

all key management, operations and maintenance personnel, summarizing findings and recommendations in the Action Plan, highlighting resources and key action items for project implementation. Based on feedback and comments from the Post Survey Briefing and the Draft SAVEnergy Action Plan Report, a final version of the SAVEnergy Audit and Action Plan Report was prepared.

One of only 17 firms prequalified in 1996 and one of only 3 firms reconfirmed in 1999 to submit bids for energy and water conservation audits under U.S. Department of Energy's SAVEnergy Program. Nationwide there are only 9 firms prequalified. We were prequalified in the Northeast, Mid-Atlantic, Southeast, and Midwest regions. More than 80 audits completed on the following types of federal facilities:

VA Hospitals	Federal Office Buildings
Military and Coast Guard Bases	Research Facilities
Courthouses	Special Buildings (U.S. Mint, etc.)