

HILLSBOROUGH COUNTY

Energy Audit



ORGANIZATION

- Hillsborough County, Florida
- Division of Real Estate

BUILDING TYPE

- Local Government
- Waste Water Treatment
- Falkenburg Road Jail
- Resource Recovery Building
- Animal Services
- Office
- Storage

SERVICE PROVIDED

- Detailed Commercial Energy Audit

PROJECT ELEMENTS

- EMG Role: Prime
- Cost: \$40,000
- Timing: September 2008 – November 2008

PROJECT PROFILE

Project Detail

EMG was selected by Hillsborough Division of Real Estate to provide commercial level energy audits for the 6 Buildings on the Falkenburg Road Campus.

Solution

For each building EMG performed:

1. Building Envelope Report

- a. Exterior Closure
- b. Windows
- c. Doors
- d. Roof

2. Mechanical Systems Report

- a. Air Conditioning Equipment / Systems
- b. Heating Equipment / Systems
- c. Other Equipment and/or Systems
- d. Alternative Energy Source Study

3. Electrical Systems Report

- a. Individual building equipment
- b. Lighting systems
- c. Future loads

4. Utilities Report

For each utility develop a spreadsheet showing the billing data by month for 2 years.

- a. Electric Billing
- b. Water / Sewer Billing

5. Identify Energy Conservation Measures Report

Results

The Energy Audit resulted in 36 Recommendations with an average of a 2.9 year simple payback. The annual energy consumption savings is 1,658,222 Kwh. Hillsborough County can potentially save \$214,525 with an initial investment of \$632,500. Recommendations were made for lighting, HVAC, Building Envelope, Office Equipment, Wastewater Reclaim, and Gas Dryer Auto Pilot.

CLIENT

Hillsborough County Department of Procurement Services
Randy Klindworth
601 East Kennedy Boulevard
County Center 18th Floor
Tampa, FL 33602
Telephone: 813- 276-8789