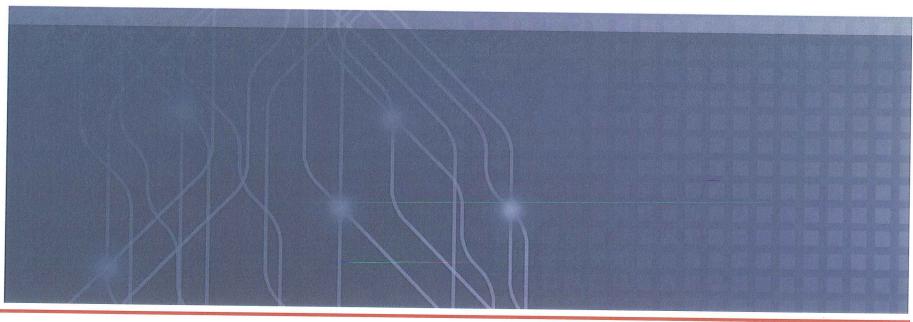


# **Energy Accounting and Reporting with Cenergistic**



## **About Cenergistic**

We are a technology-driven energy conservation firm

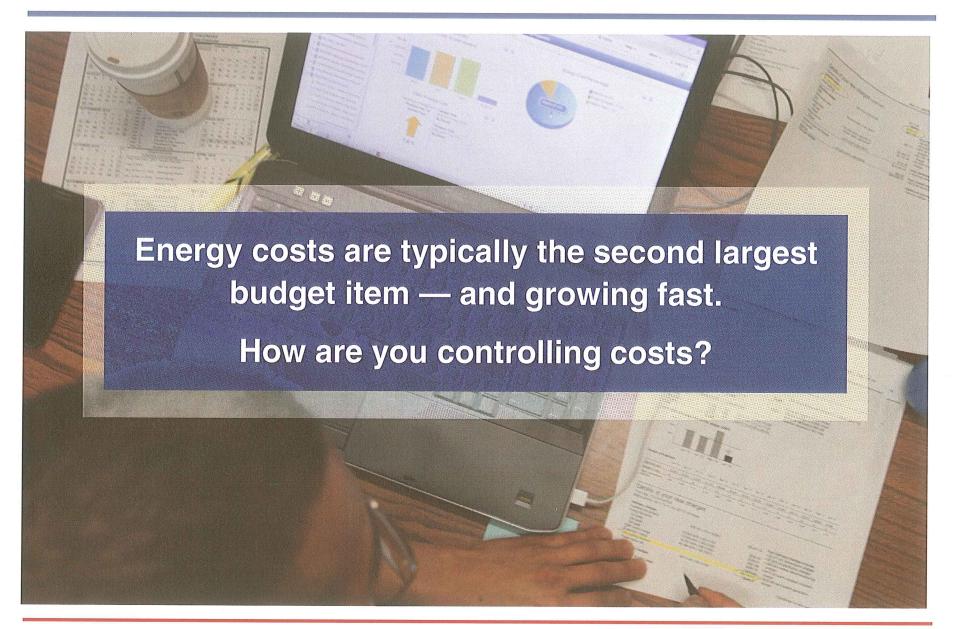
In 29 years, 1360+ Cenergistic **clients have saved \$3.9B** that otherwise would have been paid to utility companies.

In 2014 alone our clients saved \$300M.

We achieve these results with **zero startup costs** for rapid payback.

We use industry-standard practices to measure and verify savings.

We train you to use independent, commercially-available **EnergyCAP** software to verify savings.



## **Control Energy Costs**

#### **Energy accounting is complex**

• Weather, growth, smart meters, efficiency projects, budgeting variance, disconnect between energy users and accounts payable staff

#### Energy costs are more than unit price

Utility companies charge additional costs and fees on top of unit price

#### Cenergistic equips your staff to:

- Accurately forecast energy costs
- Analyze utility bills for errors, appropriate fees, best rate structures
- Identify additional savings opportunities
- Report energy use and energy savings accurately
- Use interval data to mitigate demand fees

Accurate measurement guides effective management.

## **Energy Accounting**

#### The Measurement and Verification (M&V) Process:

- Gives you control of energy expenses
- Provides robust reporting capabilities ability and knowledge to slice and dice data as needed
- Is transparent let you easily share understandable data with your board, auditors and community
- Delivers accurate results
- Allows fair reporting and credit for initiatives
- Is trusted and verified
- Improves your budgeting process
- Adheres to International Standards

## Cenergistic's M&V Process is fully transparent.

We train you to review and validate your savings information.

## **Audit Energy Costs**

#### Every bill for every meter — audited and verified

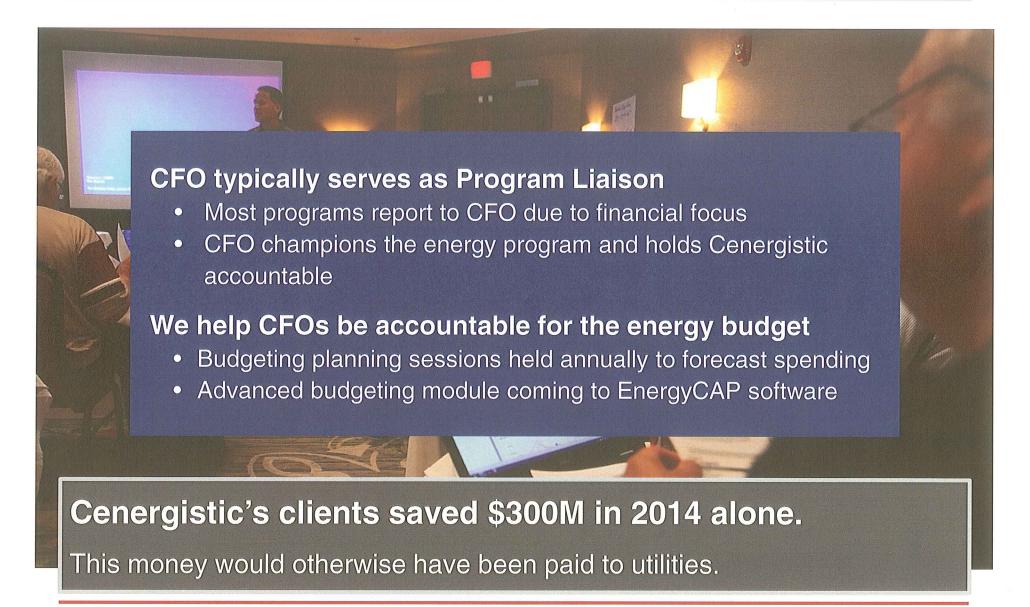
- Physical location verified— no more "phantom" bills, or paying bills for removed meters, sold properties
- Rate structure evaluated
- · Costs, taxes, fees evaluated
- Billing factors evaluated units of measurement, multiplication factors

#### Baseline, expected use established

- Flags billing anomalies
- Identify malfunctioning equipment, leaks, stolen utilities
- Identify focus areas for conservation efforts

## Cenergistic's M&V Process — Identifies billing errors, rate adjustments, capture refunds

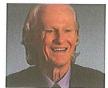
## **Your Business Office and the Energy Program**



## **Measurement and Verification**

Cenergistic's process to measure and verify your savings is rigorous, transparent and conforms to accepted industry guidelines. The quality checks at every step of the process ensure the accuracy of your savings information.

Measurement Value the Quality **M&V Plan** Reporting of Actual Use **Energy Saved Assurance Ensures transparent** Client licenses M&V Compare current usage Multilevel quality Reports provide value of process software from to baseline year assurance process reduced energy use EnergyCAP Inc. Based on international "Today's energy price" is Automated quality checks Cenergistic invoicing EnergyCAP is best-in-class industry guidelines used to calculate value of by EnergyCAP software based on reporting software accessible energy reduction M&V plan is agreed online in cloud Cenergistic Center of Reports provide useful upon in contract Adjust for changes from Excellence provides information for budgeting Measure energy use and baseline year quality control cost data for baseline year Reports help identify CPA / Quality Auditing additional savings Energy use from utility opportunities bills entered into EnergyCAP\*software



"Cenergistic's process of measuring energy savings follows international guidelines that are considered to be best practice. Cenergistic's quality assurance and quality control programs provide the checks and balances needed for a transparent process for its clients.

Cenergistic has an energy conservation process that adheres to accepted industry standards and results in reports of energy savings that reflect the actual experience of its customers."

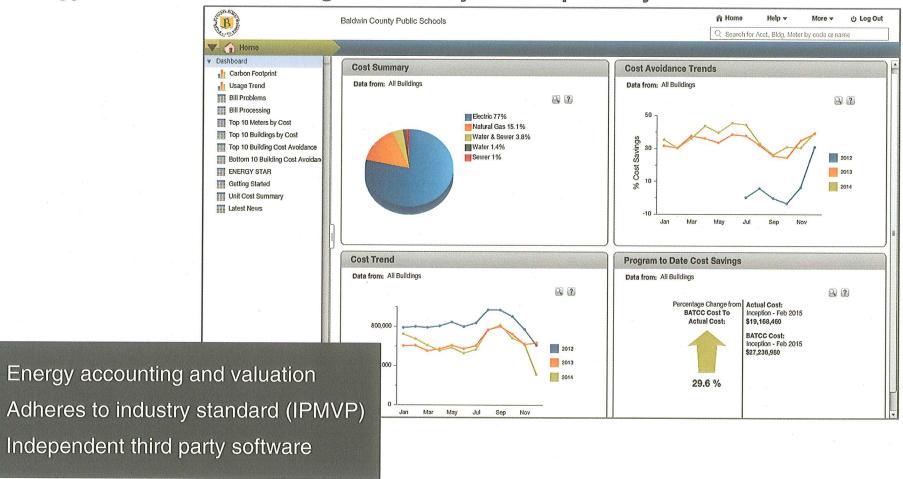
Wayne C. Turner, Ph.D.
Regents Professor Emeritus, Oklahoma State University
Fellow, Association of Energy Engineers (Hall of Fame member)
Editor-in-Chief, Energy Engineering

## **EnergyCAP®: Performance Monitoring & Reporting**

EnergyCAP, the world's leading energy accounting software, compares actual use to pre-program use.



EnergyCAP measures savings accurately & transparently



## **EnergyCAP Clients**

An independent software firm established in 1980, EnergyCAP Inc.'s software adheres to industry standards and is the most respected M&V software in the industry. *Some prominent users include:* 

#### Government























#### **Higher Education**





















#### Commercial











## **EnergyCAP Reporting**

EnergyCAP displays utility information through more than 250 useful reports, charts, and graphs. Report categories include:

- Analysis
- Billing
- Budget
- Year-to-year
- Invoice
- Cost avoidance
- Weather
- Greenhouse Gas

**Export to Excel, PDF, HTML and several other formats.** 

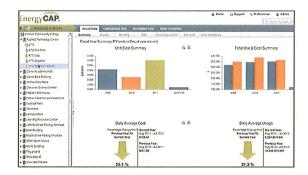
Each report is customizable through a wide variety of filtering options.

## **EnergyCAP Overview Videos**

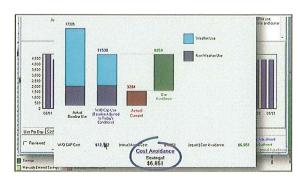
All videos available at www.cenergistic.com/measurement-verification



Overview



Establishing a Baseline



**Cost Avoidance** 



Weather Adjustment



**Equipment Upgrades** 

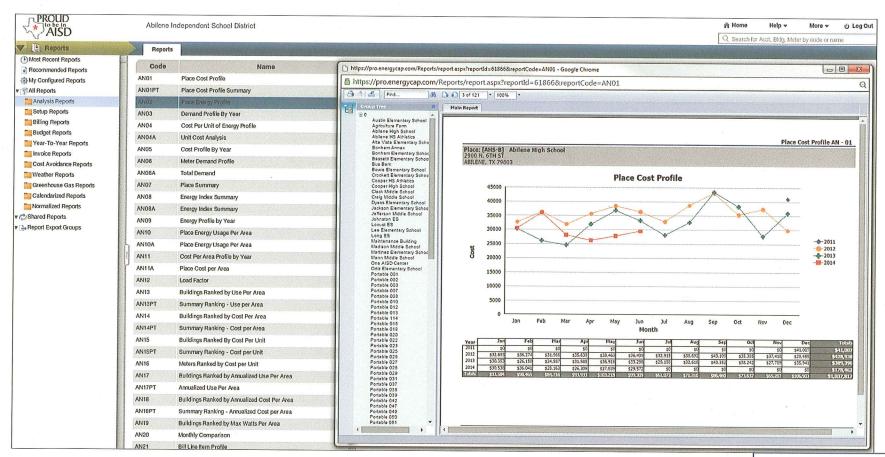


**ENERGY STAR** 

Customizable Dashboard with performance charts and graphs on your home page — easily view key performance indicators that matter most to you.

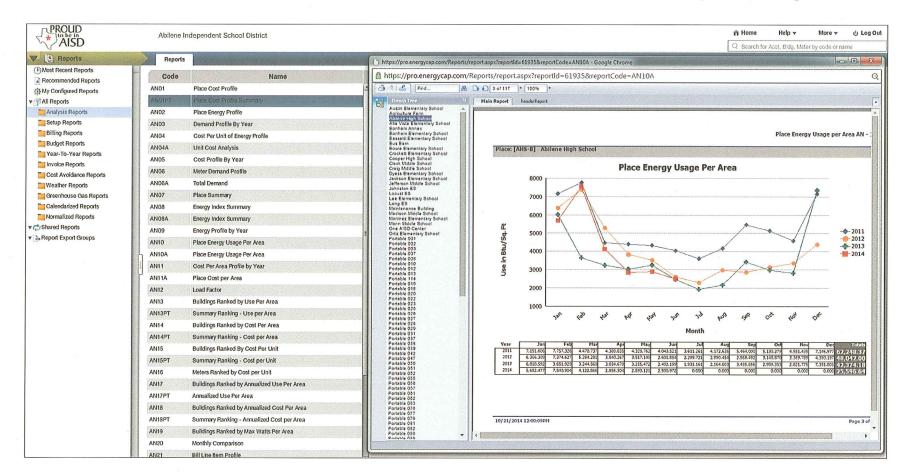


**Analysis Reports** — trend and analyze data per building, meter, demand, etc.



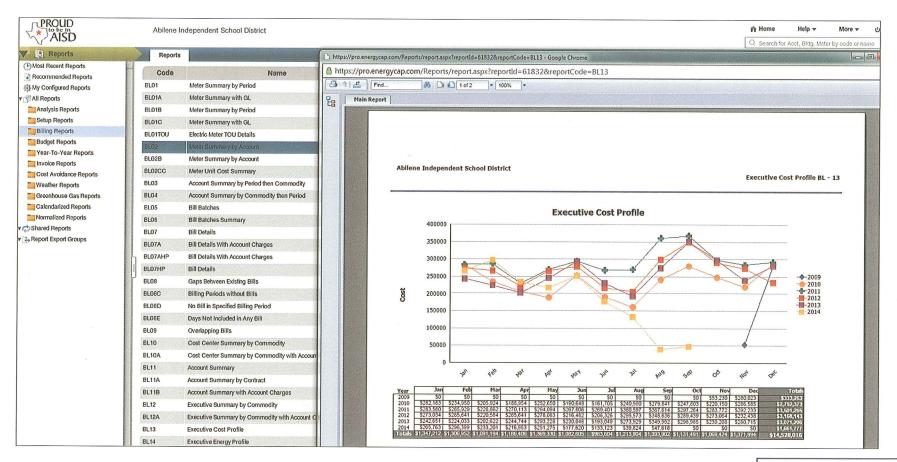
Actual EnergyCAP Report October 2014

### Usage Reports — View, analyze and track energy usage.



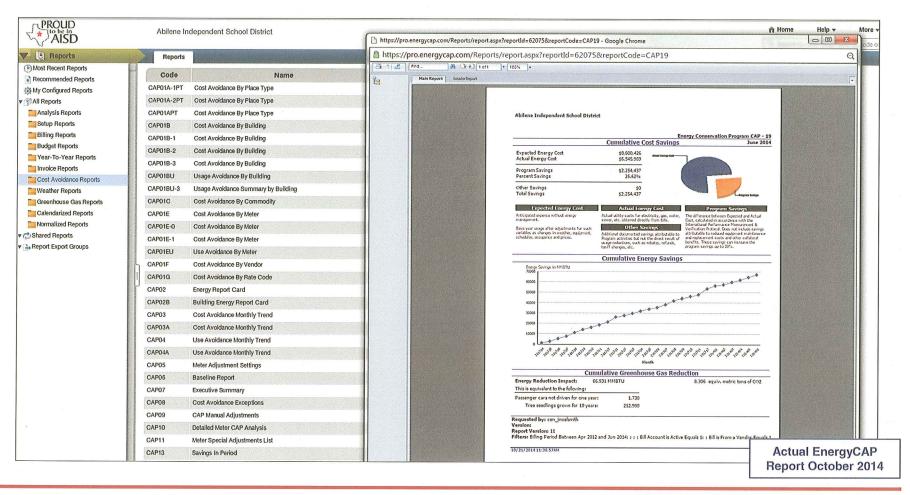
Actual EnergyCAP Report October 2014

**Billing Reports** — track any commodity, level and type of bill detail.



Actual EnergyCAP Report October 2014

Savings Reports — calculates the savings attributable to energy management and cost avoidance measures.



## **Free Software for Community Use**



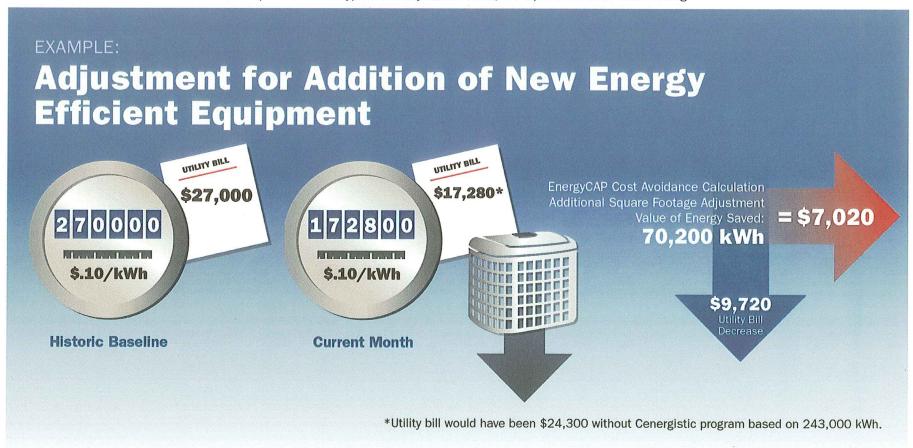
A GreenQuest Sponsorship is a unique blend of positive public relations, relevant direct marketing, and practical energy efficiency. GreenQuest is a personal Web-based energy dashboard that enables your community members to track the energy use for their home or business.

Signing up is easy at...

www.EnergyCAP.com/GQsponsor

## Measurement and Verification: Adjustments

Example based on a typical monthly bill for a 265,000 square foot education building



## Measurement and Verification: Adjustments

Example based on a typical monthly bill for a 265,000 square foot education building

