

**WOODBURY COUNTY BOARD OF SUPERVISORS AGENDA ITEM(S) RE**

#14C

Date: August 24, 2015

Weekly Agenda Date: September 1, 2015

DEPARTMENT HEAD / CITIZEN: Supervisor Jeremy Taylor

SUBJECT: **Energy CAP**

**ACTION REQUIRED:**

Approve Ordinance

Approve Resolution

Approve Motion

Give Direction

Other: Informational

Attachments

**WORDING FOR AGENDA ITEM:** Energy Savings / Calculations and Goals for Future Savings

**EXECUTIVE SUMMARY:** As the County Board of Supervisors engages in long-term facilities planning and potentially tonight takes its first step toward implementing lighting, Building Superintendent Kenny Schmitz mentioned at the August 18 meeting how many more opportunities exist, including getting a high-level identification of Building Automation Systems which are outdated and in many cases are not currently functional, resulting in decreased comfort levels and energy waste. Energy CAP (Cost Avoidance Program) would allow the Board to calculate and quantify how much money is saved. A future three-fold approach to energy conservation may be in order, for example: "By implementing new technologies and efficiencies, increased automation control, and advocating responsible energy conscientiousness, the County Board of Supervisors seeks to save 15% in total energy costs as calculated by Energy CAP." However, the implementation of new technologies and efficiencies can only truly be measured by such software.

**BACKGROUND:** More than 10,000 energy managers in 3,000 organizations have tracked more than \$25 billion in energy spending using EnergyCAP's specialized software. EnergyCAP is the nation's leading energy conservation software. It is in a completely web-based platform.

It makes calculations based on a baseline with adjustments made to account for variables outside an organization's control: additions/deletions of square footage; weather normalization; average unit cost changes. The Baker Group identified very high cost / sq. ft numbers in the \$1.50 to \$4.28 per sq. ft. range in our county buildings. Having such a program gives the ability to run over 300 different reports as well as quantify by a few simple clicks reports that answer such questions as to how much one is spending per commodity per fiscal year; environmental pollution reduction; per meter cost avoidance; trends and anomalies; cost avoidance percentages by the month; the identification of billing errors, and so much more. In fact, having such a tool can allow the person who generates such reports to track and discover why losses/gains are occurring.

The Sioux City Schools utilizes Energy CAP to track the usage and cost avoidance of each of its 146 meters and it has been a powerful tool in helping save 23.9% in energy cost (BATCC).

**FINANCIAL IMPACT:** To be determined

**RECOMMENDATION:** That the Building Superintendent work to submit information and a profile in coordination with Energy CAP to receive pricing and bring back a recommendation to the Board along with a plan for implementation.

**ACTION REQUIRED:** None at this time.