

**Business Office Update
January 12, 2015 Meeting**

Tax Anticipation Warrants

- We have received the resolution and warrants from the attorney, Michael Gantar, for the Tax Anticipation Warrants. This will be an action item on the January 26, 2015 board meeting agenda. The total authority to borrow is set at \$500,000. Funds may be borrowed as needed in increments of \$100,000 at a rate of 2.875%.

Roof Bid – Millburn Elementary School (Original 1961 Building)

- The advertisement to bidders was in the newspaper on Friday, January 9, 2015.
- A pre-bid meeting will be held on January 14, 2015 at 2:00 p.m. at Millburn Elementary School
- The bid opening will be held on January 28, 2015 @ 2:00 p.m. at Millburn Elementary School
- A recommendation will be presented to the board at the February 9, 2015 Committee of the Whole meeting.
- The board will vote on the recommendation at the February 23, 2015 Board meeting.

Retro-Commissioning

- Millburn's application for the Illinois Energy Now Public Sector Retro-Commissioning was approved. The 360 Energy Group has been assigned to Millburn. A kickoff meeting will take place within the next two weeks.
- Two staff members from the 360 Energy Group spent approximately 4 hours on December 23, 2014 meeting with Terry Miller, Head of Building and Grounds, and me. They toured both buildings including examining the HVAC units on the roof.
- The retro-commissioning process will focus primarily on the HVAC systems, but may also include suggestions related to lighting. The retro-commissioning process is designed to identify no-cost or low-cost savings opportunities to improve the efficiency of Millburn's HVAC systems. The project is an 18-24 month collaborative process that focuses on
 - investigating,
 - identifying problems, and
 - optimizing building operations.
- In addition to working collaboratively with the 360 Energy Group, the district will need to allocate \$10,000 to repair/replace items identified through the retro-commissioning process. Typically these are items such as controls, malfunctioning dampers or other items that we have been replacing when we become aware that they are no longer functioning properly. We already have funds in the budget allocated for this type of repair/replacement.
- Typically, the energy saving improvements result in a payback of 1.5 years or less and results in an average energy savings of 16%. Additional benefits from the process are longer equipment life, lower utility bills, lower maintenance costs and fewer comfort complaints.
- A copy of the brochure describing the Public Sector Retro-Commissioning process is attached.

Insurance Reimbursement

- The district received a check in the amount of \$3,438.25 as partial reimbursement for the repairs at Millburn Middle School as a result of vandalism. The total expense for the repairs was just under \$6000 that includes the district's deductible of \$2500.

Property Tax Extension Limitation Law (PTELL)

- 53% of Illinois school districts are limited in the amount of property tax they can levy as a result of PTELL. Districts subject to PTELL including Millburn District 24 may only increase their property tax levy by the amount of increase in the Consumer Price Index-Urban for the 12 month period ending December 31 each year. The significant reduction in the price of gas this fall has already had a significant impact on the CPI-U.
- This is good news for individual taxpayers, but will have a negative effect on school districts as a result of the lack of growth in state expenditures to school districts to support education. The number used to calculate general state aid has been flat for the past 5 years. In addition, most years, districts weren't even able to receive the amount calculated by the general state aid formula because the state didn't have the money to fund the formula. As you can see by the CPI-U figures below, the ability to generate local dollars will be well below the 5 year average increase of 2.1% for CPI-U
- The 12 month average increase in the Consumer Price Index–Urban (CPI-U) was
 - 2.1% for the month ending September 30, 2014
 - 1.9% for the month ending October 31, 2014
 - 1.3% for the month ending November 30, 2014
- The December 31, 2014 CPI-U will be available in mid-January.

Donations

- The district received a \$100 donation from Lindenfest for the district's support of Lindenfest. The district has a long history of allowing the village to borrow folding chairs for the event.
- The district received a donation of \$75.17 from the Abbott Fund Matching Grant Plan

Professional Development Activities

- December 17, 2014 – I met with the business managers from the Grayslake High School feeder districts.
- December 18, 2014 – I met with the Volcano group at the Hawthorn School District Office. This is the group that is developing a database of local district data
- January 6, 2015 – I met with business managers and special education directors/coordinators at SEDOL to begin preparing the new report that the federal government is now requiring Illinois districts to complete special education excess costs. This is a new report that is due on January 31, 2015. One by one, the amount of time spend by schools compiling reports continues to grow.
- January 8, 2015 – I met with the Illinois Association of School Business Officials (IASBO) Planning & Construction committee in Naperville, IL to develop staff development sessions for the IASBO Annual Conference.

THE RCx PROCESS

● ELIGIBILITY SCREENING

Submit "Notice of Interest" at <http://rcx.sedac.org>

● APPLICATION AND REVIEW

Submit application at rcx.sedac.org for review and final acceptance. We will work with you to determine scope, timeline, and additional information requirements.

● SITE VISITS AND DATA COLLECTION

The RCx service provider, working with your staff and contractors, will review construction and equipment documents, assess equipment settings, collect operational data, and perform functional tests to investigate systems condition, operation, and performance.

● RCx REPORT DEVELOPMENT

The SEDAC team will analyze data, diagnose problems, identify RCx measures, and calculate payback periods.

● MEASURE SELECTION

You decide what to implement and who will do the work.

● IMPLEMENTATION AND VERIFICATION

We will provide ongoing assistance and verify improvements (**\$10k implementation commitment required**).

For more information about the program, please go to <http://rcx.sedac.org>.

For further questions about the RCx program and to determine your eligibility, please contact Ashley Collins at 312-267-2864 or e-mail rcx@sedac.org.



SMART
ENERGY
DESIGN

Assistance Center

WHO WE ARE

SEDAC is sponsored by the Illinois Department of Commerce and Economic Opportunity in partnership with investor-owned utilities to achieve energy efficiency savings in buildings throughout the State of Illinois.

SEDAC is an applied research program at the University of Illinois at Urbana-Champaign.

SEDAC works in collaboration with the 360 Energy Group and the Energy Resources Center at the University of Illinois at Chicago.

OTHER SEDAC PROGRAMS

Energy Assessments
New Construction Design Assistance
Public Housing Efficient Living
Training and Outreach
Energy Incentive Guidance
Energy Information Center



Contact us:

(800) 214-7954 or info@SEDAC.org
Smart Energy Design Assistance Center
1 Saint Mary's Road
Champaign, IL 61820
www.sedac.org

Public Sector Retro-Commissioning (RCx)



www.sedac.org

SMART ENERGY DESIGN ASSISTANCE CENTER
PROVIDING EFFECTIVE ENERGY STRATEGIES FOR
PUBLIC AND PRIVATE BUILDINGS IN ILLINOIS

SEDAC

PUBLIC SECTOR RCx

Retro-commissioning (RCx) is the systematic discovery, documentation, review, and improvement of energy operations through **NO-COST OR LOW-COST SAVINGS OPPORTUNITIES** (repair, adjustment, control) that match building performance to current functional requirements.

DCEO offers **FREE** objective retro-commissioning **CONSULTATION SERVICES** for public sector facilities in Illinois. These services – delivered by SEDAC and its team of private sector RCx service providers – offer guidance and analysis to improve the energy performance of your building by **FOCUSING PRIMARILY ON HVAC** (heating, ventilating, and air conditioning systems). This program establishes an 18-24 month collaborative partnership between building stakeholders and the RCx provider for investigation and optimization of building operations.

TYPICAL PUBLIC SECTOR CLIENTS



PUBLIC SCHOOLS,
COLLEGES, &
UNIVERSITIES



FEDERAL & STATE
BUILDINGS



MUNICIPALITIES &
LOCAL GOVERNMENT



LIBRARIES

RCx YIELDS RESULTS

● QUICK PAYBACKS

SEDAC identifies no-cost, low-cost improvements that **PAYBACK** in

1.5
YEARS or LESS

● GREAT SAVINGS

RCx generally

REDUCES
energy use by

16%*
(median whole building savings)

● MULTIPLE BENEFITS

Longer equipment life
Lower utility bills
Lower maintenance costs

FEWER COMFORT COMPLAINTS

● EXTENSIVE EXPERIENCE

SEDAC has provided RCx analysis for over

53 facilities,

totaling **19 MILLION** square feet

● SIGNIFICANT IMPACT

SEDAC has already identified

\$4.3 MILLION

PER YEAR IN SAVINGS

*Mills, Evan. "Building Commissioning: A Golden Opportunity for Reducing Energy Costs and Greenhouse-gas Emissions" (July 2009). <http://cx.lbl.gov/2009-assessment.html>

ELIGIBILITY

Eligibility is limited to public sector entities that receive electrical delivery service from Ameren Illinois or ComEd. Facilities receiving natural gas from Ameren Illinois, Nicor, North Shore, or Peoples Gas may be eligible for gas savings measures.

Eligible existing buildings:

- are more than 5 years old*
- exceed 150,000 square feet*
- have a functioning building automation system (BAS) that RCx provider can access
- have energy use indices that show potential to produce significant savings

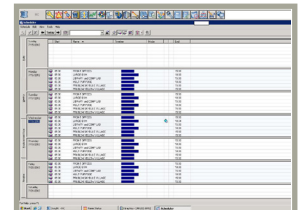
Clients are required to invest at least \$10,000 to implement identified measures.

* Newer or smaller buildings considered case-by-case.

TYPICAL RCx RECOMMENDATIONS



HVAC SETPOINTS AND
CONTROL SCHEMES



BUILDING ZONING
AND SCHEDULING



TUNING UP
EQUIPMENT



MAINTENANCE
AND REPAIR

QUESTIONS? ASK ASHLEY
rcx@sedac.org, 312-267-2864

LEARN MORE
<http://rcx.sedac.org>