

SEDAC Announcements

Retro-commissioning (RCx)

Is your operations and maintenance budget tight? SEDAC recommends retro-commissioning (RCx) to ensure that equipment and systems function as intended and operate at optimal efficiency.

Compared to energy audits, RCx focuses more on operational and maintenance improvements, often requiring less capital investment to achieve significant savings.

Call SEDAC at 800-214-7954 or email us at info@sedac.org to learn about retro-commissioning services in your area. SEDAC can provide RCx services or direct you to other available RCx programs.



Read our [RCx Tech Note](#) to learn more about RCx benefits, and our [Rolling Meadows Courthouse Case Study](#) to find out how measures implemented from an RCx study generated annual savings of \$40,000.

Wastewater Treatment Plant Efficiency Program

Coming soon! The Illinois EPA Office of Energy is teaming up with SEDAC and the Illinois Sustainable Technology Center (ISTC) to help municipalities reduce the cost of wastewater treatment. SEDAC and ISTC will be providing free energy usage assessments.

Find out how you can save energy and money in your wastewater treatment plant. Call us at 800.214.7954 or email us at info@sedac.org to get started. For information about eligibility and how to apply, go to sedac.org/wastewater - the application will be live shortly.



Funding has been provided in whole or in part by the Illinois EPA Office of Energy.

Illinois Energy Conservation Code Training Opportunities

On behalf of the Illinois Environmental Protection Agency (IEPA) Office of Energy, SEDAC is providing the following energy conservation code training opportunities.

Webinar. On April 25th at noon, SEDAC will host a webinar on "Residential/Commercial Air Sealing, Infiltration & Ventilation." We will discuss insulation and air barrier provisions for various areas of buildings and identify proper and improper installations. Register [here](#).

Online On-demand Code Training. SEDAC offers free online energy conservation code training modules that can be accessed anytime, anywhere. Learn about residential and commercial provisions of the Illinois Energy Conservation Code (based on the 2015 IECC, with Illinois and Chicago amendments). Participants can receive continuing education credit from the Association of Energy Engineers (AEE) and the Building Performance Institute (BPI) for completing our courses. To access our courses, please go to sedac-energycode-training.thinkific.com. We offer the following four modules:

- Residential code provisions
- Commercial envelope code provisions
- Commercial lighting code provisions
- Commercial HVAC code provisions (coming in May)

Workshop. Attend "2018 International Energy Conservation Code (IECC) Updates," brought to you by the [Illinois EPA Office of Energy](#) and SEDAC in partnership with the [Code Enforcement Officials of Southern Illinois \(C.E.O.S.I\)](#). We will discuss the major



changes in commercial and residential provisions from 2015 IECC to 2018 IECC.

Breakfast and lunch will be served at a cost of \$15 for C.E.O.S.I members and \$25 for non-members.

When: Wednesday, May 9th, 2018 from 9 am to 12 pm. Check in starts at 8:30 am
Where: Kaskaskia College Vandalia Campus, 2310 W. Fillmore St., Vandalia IL 62471. Room VC114/115

To register, please email C.E.O.S.I at GNeal@glen-carbon.il.us by May 2nd, 2018.

Technical Support. Have a question about the Illinois Energy Conservation Code? Call SEDAC at 800-214-7954 or email us at energycode@sedac.org for technical support and individualized guidance. Our website, sedac.org/energy-code, also provides resources, FAQs, and information about the Code.

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SEDAC Quick Tips

Plant a Tree to Celebrate Earth Day!

Did you know that vegetation can significantly lower the energy costs of your home or building? Trees that shade buildings decrease the need for air conditioning. [The Department of Energy](#) estimates that a well-planned landscape can reduce air conditioning costs by 15-50%. Trees can also provide wind protection, improve air quality, and reduce the heat island effect.



The benefits of trees extend far beyond energy efficiency. Research from the University of Illinois' [Sustainability & Human Health Lab](#) has demonstrated that exposure to trees can also increase students' ability to focus, help people recover from stress, and decrease crime rates. Trees beautify neighborhoods and build community.

For all of these reasons, SEDAC recommends:

- Plant large deciduous trees to the south of buildings.
- Plant trees with crowns lower to the ground on the west to shade from lower afternoon sun.
- Plant evergreen trees and shrubs to the north and northwest of a building to provide a windbreak.
- Make sure that users can see trees from windows of buildings to maximize human health benefits.

SEDAC is an applied research center at the University of Illinois at Urbana-Champaign, working in collaboration with 360 Energy Group. SEDAC provides technical assistance and performs research to reduce energy consumption. SEDAC also provides energy efficiency services to Illinois public sector agencies through the utility energy efficiency programs.

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Providing effective energy strategies for buildings and communities



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