

Happy Holidays from SEDAC



The team at SEDAC wishes you a happy holiday season! Thank you for your continued support and partnership. We look forward to working with you this upcoming year to reduce the energy footprint of the State of Illinois.

Did you know?

SEDAC is a public-private partnership between the University of Illinois at Urbana-Champaign and 360 Energy Group in Chicago. Staff from both offices are pictured above. SEDAC supports the University of Illinois' land grant mission to enhance the lives of citizens in Illinois through learning, discovery, engagement and economic development. Check out our new [SEDAC Mission](#) graphic to learn more.

Energy Code Training Opportunities

Start off the new year by attending a SEDAC Energy Code workshop or webinar!

- Webinar: "2018 IECC Commercial Envelope Provisions with Corresponding IBC Sections." January 16 from noon to 1pm
- Workshop: "2018 IECC Updates & Building Codes." January 23 from 1-4pm in East Peoria

Find out more and [register here](#).



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.

Grant Available for Energy Efficiency Improvements at Wastewater Treatment Plants

Not only is the Illinois EPA offering free energy assessments for Wastewater Treatment Facilities (a value of \$6,000-\$12,000), but they recently announced that they will be dispensing up to \$3,000,000 in grants for energy efficiency improvements at these facilities.

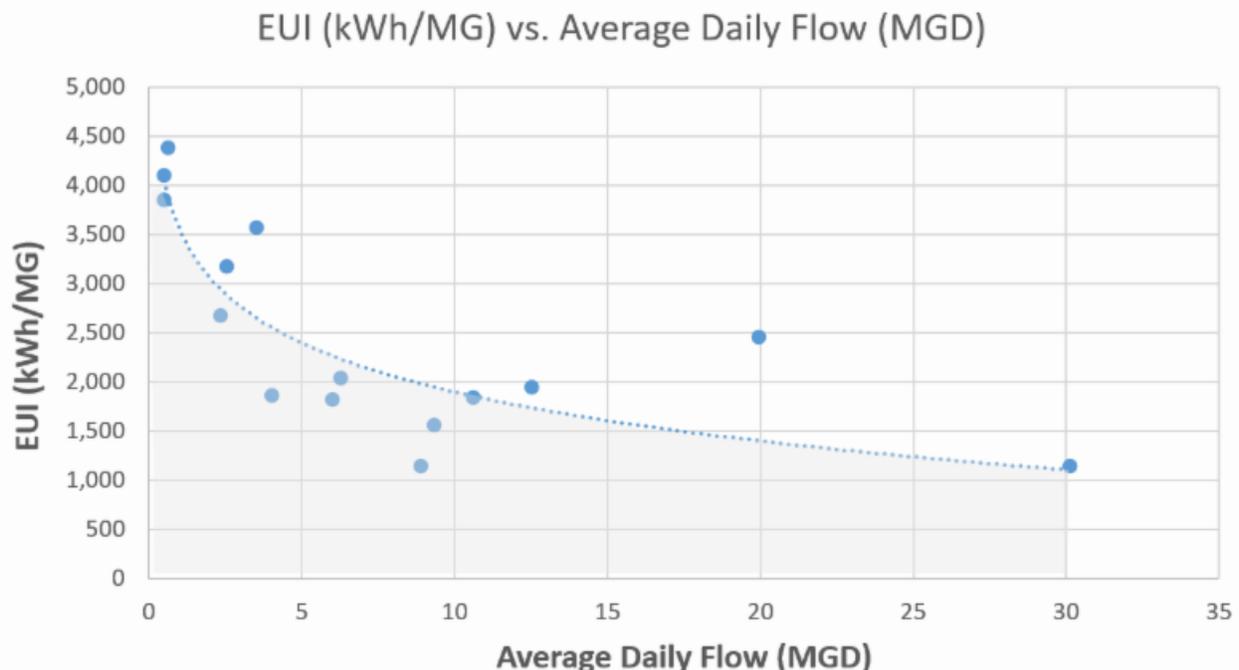
Take advantage of this exciting opportunity! To receive a grant, facilities must have completed an energy assessment and be GATA pre-qualified. Find out more [here](#). The deadline to apply is February 12, 2019.



If you haven't received your free energy assessment, apply now for the Illinois Wastewater Treatment Plant Energy Assessment Program at sedac.org/wastewater, call us at 800.214.7954 or email us at info@sedac.org to get started.

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

How Does Your Facility Compare?



SEDAC has provided energy assessments for hundreds of facilities in Illinois, including wastewater treatment plants. In the figure above, we compare the energy use intensity per millions of gallons processed (kWh/MG) of 15 activated sludge wastewater treatment plants to their average daily flow (MGD). These facilities range in size from an average flow of 0.5 to 30 MGD. The highest performing facility was over **four times more efficient** than the lowest performing facility. Although based on limited data, it appears that the larger plants process greater amounts of wastewater per kWh. This suggests that size does seem to impact the facility's energy use intensity. However, regardless of size, all plants have energy savings opportunities.

Find out how your facility compares to others and what energy savings opportunities exist. SEDAC provides energy assessments at no cost to the customer for a) wastewater treatment plants in

Energy Code Tip: Improve Occupant Comfort Through Code Compliance

Why should designers and building professionals make the extra effort to comply with the Illinois Energy Conservation Code? Following the Code is required by Illinois law and will not only lead to energy cost savings, but will make buildings more comfortable for occupants. In commercial buildings, comfort has been correlated with **increased productivity and occupant satisfaction**. People who may be reluctant to comply with energy code requirements are likely to appreciate the increased comfort of an energy efficient design.



Read our **Thermal Comfort Energy Smart Tip** to learn how energy code requirements for residential and commercial buildings improve thermal comfort.

A few highlights:

- Meeting or exceeding insulation and air leakage requirements will significantly improve a building's comfort by reducing infiltration and keeping interior surfaces warmer.
- Properly commissioned HVAC controls schedule heating and cooling systems for comfort and energy savings. Scheduling setbacks for unoccupied periods can save substantial energy costs.
- Equipment sizing requirements prevent oversizing of heating and cooling equipment. Oversized cooling equipment can make an environment less comfortable because it does not properly dehumidify the air.
- Lighting requirements limit maximum power for interior and exterior applications, and various lighting control options promote energy conservation by dimming or turning lights off when spaces are unoccupied. Reduced lighting loads also reduce cooling loads.

Read more of SEDAC's Energy Smart Tips [here](#).

sedac.org / 800-214-7954 / info@sedac.org

Providing effective energy efficiency strategies for buildings and communities

STAY CONNECTED

