

Advanced RTU Campaign

ARC Quarterly Newsletter - Summer 2014

CAMPAIGN PROGRESS:

By the numbers...

- 28 Participants
- 102 Supporters

Over 28,500 high-efficiency installations and advanced RTU retrofit control installations for 2013 and 2014.

Have you shared your RTU data with the Campaign?



CALLING ALL SUPPORTERS: ANY UPDATES TO SHARE?

We want to give you recognition for your good work! Starting in July, we'll be tweeting about Supporters' installations, retrofits, and other RTU activities, including a shout-out on our ARC homepage as well.

Let us know what you've been up to, send us some numbers, and we'll spread the good news.

CAMPAIGN RECOGNITION: APPLICATIONS AVAILABLE SOON

Looking to be recognized with an award from the Advanced RTU Campaign? Both Participants and Supporters are eligible to apply for achievement awards. Example award categories include: energy savings by percent, cost savings, absolute number of retrofits and replacements, creative outreach approaches, and other RTU accomplishments. Awardees will be recognized with press releases and an in-person announcement at the 2015 DOE Better Buildings Summit. Check [here](#) for awards details.

LOOKING FOR RTU CASE STUDIES? COMING SHORTLY:

adidas Case Study - adidas implemented a best practice of a planned replacement program for their RTUs. Two of the many reasons for this program's success are that the company (1) emphasizes planned (proactive), rather than emergency (reactive)

equipment replacements; and (2) standardizes equipment where possible to streamline replacement efforts, which reduces costs and provides higher quality results.

Navy RTU Retrofit Case Study - During an RTU retrofit demonstration, the retrofits reduced overall energy use by 100 megawatt-hours across the 11 rooftop air-conditioning units.

Walgreens RTU Replacement Case Study - Walgreens has developed a successful RTU early retirement program to methodologically replace its buildings' air conditioning equipment. In one store, it was able to reduce RTU energy consumption by over 50%, saving in energy costs annually. Across Walgreens' portfolio, the company saved over \$1,000,000 in material and labor savings.

BJs Whole Sale RTU Retrofit Case Study - BJ's retrofitted a total of 13 packaged rooftop units (RTU's) at two warehouse club sites. Existing single-speed fan RTUs were modified to enable variable-speed fan operation, as well as demand control ventilation (DCV), and demand charge reduction. The retrofits resulted in annual electrical consumption savings of 136 kWh/ton per 1,000 hours of runtime (a 49% reduction) at one site and 158 kWh/ton per 1,000 hours of runtime (a 57% reduction) at another site.

LA Unified School District RTU Retrofit Case Study - Los Angeles Unified School District retrofitted 17 RTUs with advanced controls, resulting in an estimated the annual electrical savings were revised to be 67,000 kWh (41%) or 115 kWh/Ton per 1,000 runtime Hrs.

KEEP AN EYE OUT FOR NEW RESOURCES:

M&V Guidance - Measurement and Verification (M&V) is the process of estimating the effectiveness of a new process or system. Many levels of M&V complexity are offered for RTU projects.

Right-Sizing Guidance - RTU replacement provides an opportunity to right-size equipment, and identify and eliminate oversizing, which is too often perpetuated through like-for-like replacements.

Business Case for Proactive RTU Retirement - This report analyzes each of the considerations in the context of a business case for proactive replacement and provides information to enable a thorough understanding of the pros and cons of the each decision.

PRSM Best Practices Papers - ARC has published two best practices papers in coordination with the Professional Retail Store Maintenance Association (PRSM) on the Streamlined RTU Evaluation Methodology, and the RTU Field Checklist.

RTU Control Strategies On-demand Webinar - The Energy Center of Wisconsin has developed an online webinar to train viewers on advanced RTU control strategies such as RTU requirements of the IECC, RTU accessories to maximize performance and efficiency, and new energy savings options for multi-speed fan controls on RTUs. Watch it [here](#).

Please email info@advancedrtu.org with any questions or comments.

