

Better Buildings Alliance Plug and Process Loads Technology Research Team

February 2021

Team Updates

- The Plug and Process Loads (PPL) [Toolkit](#) made it on the Better Buildings [October Top 10 Solutions!](#) The PPL Toolkit went through a major update including updated content and reformatting for easier navigation. Check it out on the [PPL website](#) under “Toolkits”.
- Kim Trenbath presented “Advances in Plug Load Control Technology” at [CalPlug’s workshop](#) held on November 16, 2020.

Resource Spotlight

- In November, the PPL Team published a new resource, [Emerging Plug Load Management Technologies that Save Energy and Time](#). This one-page fact sheet summarizes findings from the 2020 ACEEE conference paper, [Emerging Technologies for Improved Plug Load Management Systems: Learning Behavior Algorithms and Automatic and Dynamic Load Detection](#).

Upcoming Webinars and Events

- We will be hosting a webinar on March 17 at 11:00am MT/1:00pm ET titled [Beyond Energy Efficiency: How Your Device Usage Patterns Affect Energy Consumption](#). In this webinar, Joy Pixley (California Plug Load Research Center) will present on how people use plug load devices can strongly affect their energy consumption. Learn what factors are most important for certain types of devices, and how to reduce inefficiencies. Register [here](#) for the webinar.
- PPL TRT webinars will now include the option for participants to **share PPL updates** with other webinar attendees. Please email PPL@nrel.gov if you would like to share an update of your organization’s PPL activities on our next webinar (initiatives, best practices, challenges, etc.).
- Submit your PPL and lighting integration projects to the [Integrated Lighting Campaign](#) (ILC) by March 15, 2021. The ILC is looking for parties who have integrated, or are considering integrating, lighting systems with other building end uses, such as plug loads or HVAC systems, to join the Campaign. Email integratedlighting@pnnl.gov if you are interested in learning more.

Research Spotlight

- The California Energy Commission awarded [two advanced plug load projects](#) on November 17, 2020. The California Energy Alliance will characterize the total energy consumption of plug load devices that are not currently covered by California or U.S. standards and identify those with the highest potential for consideration in future energy efficiency or load management codes and standards. The University of California, San Diego will demonstrate the integration of smart plug load controls with building energy management systems in commercial buildings.

Contact Us

- Are you working on any plug and process load research or have data to share? Would you like to be more involved with the Plug and Process Loads Technology Research Team? If so, we would like to hear from you! Contact us at PPL@nrel.gov.

All the best,

Kim Trenbath (BBA PPL Technical Lead), Amy LeBar, and Robin Tuttle, National Renewable Energy Laboratory