

Better Buildings Alliance Plug and Process Loads Technology Research Team

October 2022

Team Update

- The Plug and Process Loads (PPL) Technology Research Team recently received a President's Award. The President's Award is an internal National Renewable Energy Lab (NREL) award that recognizes one-time exceptional achievements. The PPL team was recognized for redefining and expanding the project research, establishing strong partnerships, and delivering impactful solutions.
- On August 23, the PPL enthusiasts attending the 2022 ACEEE Summer Study for Efficiency in Buildings gathered to discuss strategies, technologies, and best practices for controlling PPLs in commercial buildings. Participants included NREL, Goldfin, Power TakeOff, AESC Inc., CLEARresult, Cadmus Group, Bits Limited, Energy Solutions, and Lawrence Berkeley National Laboratory. Thank you to all those who joined and engaged in a meaningful PPL discussion!

Resource Spotlight

- Check out the PPL team's recently published fact sheet: [Automatic Receptacle Controls: What They Are and Why They Should be Commonplace in Building Energy Codes](#) to learn what Automatic Receptacle Controls (ARCs) are, how they can help building owners and occupants reduce plug load energy use, and why they should be included in building energy codes.
- Coming soon... Keep your eye out for a new resource coming to the Better Buildings Plug and Process Loads [website](#). Published by NREL, the *Reducing Commercial Building Process Loads and Refrigeration Unit Energy Consumption* fact sheet will provide guidance on commercial building process loads, such as elevators, and food handling equipment, as well as refrigeration units. It will also outline how to assess these loads in a building, describe the procedure for identifying which loads to target for reduction, and provide an overview of reduction strategies.

Innovation

- Check out the NREL Commercial Buildings team's latest patent, ATLIS (Automatic Type and Location Identification System), a novel plug load management system. Inventors of this technology include Kim Trenbath, Amy LeBar, Bill Livingood, and Bennett Doherty. To learn more, check out the [ATLIS fact sheet](#) on the [PPL website](#), or view the [patent](#) itself through the Lab Partnering Site.

Upcoming Events

- Save the date for CalPlug's in-person fall workshop scheduled for November 10, 2022 in Irvine, CA. Come join the discussion on plug and process loads (PPLs) to find solutions to balance energy consumption of electrical devices with climate concerns. Register [here](#).

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.