

JUNE 2020 EDITION

DEED *n*digest

American Public Power Association

Celebrate 40 years of R&D!



Educating NC Communities about the Benefits of Plug-In Electric Hybrid Vehicles

Log into the DEED Project Database for details on this and nearly 800 other industry-changing projects DEED has funded.



IMPACTING THE INDUSTRY SINCE 2009

Celebrating 40 Years of DEED R&D Innovation – Educating NC Communities about the Benefits of Plug-In Electric Hybrid Vehicles

Through a 2009 DEED-funded project, ElectriCities of North Carolina shared a Toyota Prius, retrofitted into a plug-in electric hybrid vehicle (PHEV), with public power communities so they could drive it, collect operational data, and learn first-hand about PHEV benefits.

[Learn more about the June Spotlight Project.](#)

Upcoming DEED Webinars

Benefiting from AMI; a Connected Analytics Platform

Utilities of all sizes face a world of new technology systems and greater quantities of data. Emerald People's Utility District adopted a strategic plan with technology upgrades at the forefront of its key

Electric Vehicle Data Collection in a Midsized, Midwestern City

The DEED project discussed in this webinar delivers high-quality charging and trip data for electric vehicles and plug-in electric vehicles. The EV data was gathered by Lincoln Electric System in the

initiatives. Emerald PUD partnered with The Energy Authority (TEA) to develop a new flexible data analytics platform and advanced analytics service. With this platform, Emerald and TEA worked jointly to run multiple analytical studies, notably in the areas of energy efficiency and time of use rate design.

The purpose of the project was twofold: 1) to develop a flexible advanced analytics platform that can accept data inputs from any source regardless of vendor; and 2) to run a series of realworld studies using advanced analytics to determine whether a small public power utility can benefit from this type of work.

This AMI project is sure to be transferable to other DEED members considering investing in AMI. Emerald PUD hopes to provide a replicable example to prove that advanced analytics is accessible to those beyond just large, well-funded organizations. Read more about this project, [G-416 EPUD AMI Connected Analytics Platform](#).

**Please join us at 2:00 - 3:00 PM EST on
Thursday, June 25th.**

[Register now](#)

mid-sized, Midwestern city of Lincoln, Nebraska that experiences the challenges of all four weather seasons.

LES is partnering with FleetCarma, a technology leader in electric vehicle data collection, to study charging and driving habits of customers in the Lincoln, NE area over a 2-year period. FleetCarma provides cellular and GPS-enabled data collection devices that plug directly into a vehicle's Onboard Diagnostic Port (OBD-II). During the webinar, LES staff will discuss the project background and the data collected over the first year of the study, including charging session duration, energy consumption and location, as well as trip duration, energy consumption and distance traveled.

Ultimately, this data should allow LES and other public power utilities, both large and small, to better understand the potential for any prospective electric vehicle rates, incentives or programs they may be considering. Read more about this project, [CG-2197 EV Data Collection in a Mid-sized, Midwestern City](#).

**Please join us at 2:00 - 3:00 PM EST on
Wednesday, July 8th.**

[Register now](#)

Mark your Calendars for Other Upcoming Webinars

- Data-Driven Customer Segmentation for Reducing Peak Power Energy Consumption
 - Speaker: Joseph Cazier from Appalachian State University/New River Light & Power
 - July 29th at 2 - 3 PM EST

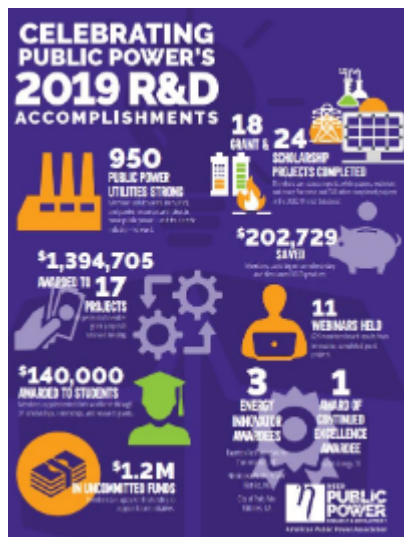


DEED Webinars

A chronological listing of DEED webinars is posted for DEED member only access [here](#). DEED webinars are provided free to DEED members. To find out if you are a DEED member, click [here](#).

New Membership Brochure and 2019 Accomplishments Document

This year, DEED is celebrating 40 years dedicated to improving the operations of services of public power utilities by supporting and demonstrating its members innovative activities through research, funding, and education. Gain a greater understanding of your member benefits in [this DEED Program Overview](#).



DEED's Annual Accomplishments flyer shares recent program highlights and direct links to the 17 utility projects and 24 student grants and internships that were completed during 2019. Educate yourself and your team on the results of the most recent DEED-funded R&D efforts in the [Annual Accomplishments piece](#).

Grant Applications Opened May 1!



Would free money (aka a DEED grant) help solve a challenge at your utility? Take advantage of the fall funding cycle (open May 1 to August 15) to problem solve with up to \$125,000 in co-funding from DEED. Learn more about DEED funding [here](#) and get application tips from the [Utility Guide for Project Funding](#).

Please email DEED@publicpower.org if you do not already have login information to the grant [management site](#) where you can begin your application.

DEED Board Opening

The DEED program is currently seeking nominations to fill an opening on the Board of Directors. This director will need to represent DEED members in Region 1 (Colorado, New Mexico, Utah, and Wyoming). The deadline to submit nominations is Monday, August 17, 2020. Read the full [Memorandum](#) for eligibility considerations and more information. Access the [Nomination form](#) here. Please email any questions to DEED@publicpower.org

Emerald PUD uses DEED Grant for Data Analytics Project with TEA

A recently completed DEED grant to Emerald People's Utility District in Oregon was featured in an article "[Emerald PUD uses DEED grant for Data Analytics Project with TEA.](#)" The article discusses how EPUD initiated an AMI project at their utility and has remarks directly from the project manager (who is also a DEED Director), Kyle Roadman.

If this article interests you, be sure to register for our upcoming webinar on the project, detailed above, [Benefiting from AMI; a Connected Analytics Platform](#) on June 25th.

Recently Completed Projects

One grant and one scholarship wrapped up in the month since our last newsletter. Visit the [DEED Project Database](#) for a repository of hundreds of outstanding research projects funded by DEED. Learn what other public power utilities like yours have done. Discover how you can replicate or improve on the success of projects completed by your peers. Get ideas for your own projects and apply for DEED co-funding with a DEED grant.

S-273 VoM Electrical Internship

Village of Morrill, NE brought on Garrett Tinsley from Western Nebraska Community College as a student intern. Tinsley was an apprentice who shadowed a Journeyman Lineman with observation and hands-on training when applicable. He participated in day to day operations of the electric distribution system, which included reading meters, fixing lights, construction of power lines, and maintenance of power lines. [READ MORE](#)



G-417 High Efficiency Recycled Water Indirect Evaporative Cooling System

Burbank Water and Power, CA used a DEED grant to address the high temperature and humidity problems in the vehicle bays of the Fleet Services Building. The project replaced the existing evaporative cooling system (aka swamp coolers) that use standard direct evaporative cooling and potable water within BWP's Fleet Services Building with two Climate Wizard CW-80 Hyper Efficient High Volume Indirect Evaporative Cooling Systems and used tertiary treated, recycled water instead of potable water. The project demonstrates the cost saving benefits of indirect evaporative cooling over refrigerant-based cooling systems, as well as occupancy comfort levels over traditional evaporative cooling. [READ MORE](#)

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