

SEEKING DEMONSTRATION SITES STARTING SUMMER 2020!

Vehicle Charging Innovations for Multi-Unit Dwellings (VCI-MUD)

The **project goal** is to identify and address barriers to multi-unit dwelling (MUD) and residential curbside plug-in electric vehicle (PEV) charging. The Center for Sustainable Energy, Energetics, Forth, Clean Cities coalitions, National Association of State Energy Officials, utilities, technology providers, government agencies, developers, property managers, and other partners will: 1. *Engage stakeholders to document barriers to MUD and residential curbside PEV charging*, 2. *Gather baseline data from existing MUD and residential curbside charging stations*, 3. *Demonstrate innovative technologies that address identified barriers*, 4. *Compile project findings in an easy-to-use toolkit*, and 5. *Disseminate the toolkit across national, regional, state, and local channels*.

WE'RE SEEKING DEMONSTRATION SITES

We will demonstrate innovative charging technology and approaches at MUD and residential curbside sites to reduce capital and operational costs, increase charging station utilization, and improve business model. Innovative technologies will be provided by the project, however some installation and permitting costs may need to be covered by the site host.

Technology benefits include:

- Power management to minimize demand charges
- Power sharing
- Energy storage
- Mobile charging
- Fast charging hubs
- Scheduling software

DEMONSTRATION SITE SELECTION

Preferred demonstration site characteristics:

- Existing non-networked Level 2 charging stations or planning to install charging stations in 2020
- Minimum 2 charging stations
- Located on a MUD property
- Consistent utilization by MUD residents

Energetics will work with potential site hosts to:

1. Determine innovative technologies that provide value to the site
2. Identify installation/permitting needs to demonstrate the technology
3. Establish a site host agreement defining the roles and responsibilities
4. Support the installation and commissioning of the demonstration

Higher priority given to sites submitted by May 2020. Sites will be considered through June 2020.

INNOVATIVE MUD TECHNOLOGY PROVIDERS:

- ampUP
- CyberSwitching
- EverCharge
- Electric Vehicle Institute
- FreeWire Technologies
- Liberty Plugins
- OpConnect
- PowerFlex
- Xeal Charge

DEMONSTRATION SITE BENEFITS

Benefits of participating in the project:

- ✓ Implementing an innovative technology to increase MUD charging station utilization
- ✓ Smart management technology reducing capital and operational costs and improving the business model
- ✓ A data analysis report comparing a site's charging station utilization to the overall project baseline
- ✓ Early access to project tools and resources
- ✓ Contributing to the project goals: improved feasibility and affordability of MUD resident PEV charging

For more demonstration information, contact:

Chris Liu, cliu@energetics.com

Clean Cities Coalition Partners:

- Chicago Area Clean Cities
- Clean Communities of Central New York
- Columbia-Willamette Clean Cities
- Greater Washington Region Clean Cities
- Los Angeles Clean Cities
- Maryland Clean Cities
- Massachusetts Clean Cities
- San Diego Regional Clean Cities
- South Shore Clean Cities
- Tulsa Area Clean Cities
- Virginia Clean Cities
- Western Washington Clean Cities
- Wisconsin Clean Cities