



Energy Master Planning for Resilient Public Communities

Virtual Training

October 13-16, 2020

Until recently, energy systems for new facilities have been planned on an individual basis without consideration for how those energy choices might impact future energy generation needs across the entire community. Now, many communities across the world are formulating energy master plans that will coordinate ongoing and future energy initiatives to minimize energy use, reduce costs, increase the diversity of energy supply, and prioritize resilience to potential energy disruptions.

Join us for a virtual training workshop to hear from energy experts from around the world on how federal and military installations can successfully create and implement energy master plans. Presentations and moderated discussions will include numerous case studies describing ongoing and completed projects at military installations, university campuses, and other public communities from across the globe.

Who should attend? This workshop is designed for decision-makers, planners, energy managers, engineers, architects, energy performance companies, and industry partners involved in community-wide energy projects.

This workshop is organized by the National Academies' Federal Facilities Council and the U.S. Army Engineer Research and Development Center's Construction Engineering Research Laboratory.

The Training Workshop will address the following topics:

- Community energy plans
- Establishing energy requirements, goals, and constraints
- Data required for energy planning
- Scope and boundaries of an energy master plan
- Establishing the baseline, base case and alternatives
- Mission critical facilities and their energy requirements
- -Energy supply strategies
- Power and thermal energy microgrids for mission critical facilities
- Resilience of energy systems
- Thermal energy systems resilience in extreme climates
- Multi-criteria decision analysis
- Tools for community-wide energy planning
- Implementation strategies
- Business and financial models for the implementation of energy master plans
- Examples of best practices

Register at: <https://ffc-energy-master-planning-2020.eventbrite.com>.

For questions about registration or meeting logistics, please contact Jim Myska at jmyska@nas.edu. For technical questions regarding the training workshop, please contact Dr. Alexander Zhivov, U.S. Army ERDC-CERL, at Alexander.M.Zhivov@usace.army.mil.