

Gallaudet University

Status: Complete

Urban Ingenuity, an affiliate of Working Power, is the owner's representative for a state-of-the-art microgrid at Gallaudet University, the national university for the Deaf and hard-of-hearing in Washington DC. This award-winning project integrates 1.7 MW of community solar, a 4.5 MW combined heat and power (CHP) system, 1.3 MW of battery storage, and advanced microgrid controls.

The system is expected to save the university millions of dollars annually, from its first year of operation. The microgrid will meet the vast majority of the university's electricity demand through on-site generation. In addition to delivering significant energy savings and reducing carbon emissions, the microgrid with its battery storage, also improves campus resiliency by seamlessly shifting to 'island mode', operating independently to keep the power on, during grid outages. And the community solar will provide lower electricity bills to local subscribers.

Urban Ingenuity partnered with Gallaudet throughout every phase of the microgrid project—from initial feasibility assessments and detailed engineering to serving as the university's owner's representative during procurement, construction, and commissioning. Our role included:

- providing the original microgrid architecture,
- authoring the request for proposals and managing the process leading to the selection of an implementation partner (Scale Microgrids).
- overseeing the regulatory and utility interconnection processes.

Now in its operational phase, we continue to support the university by overseeing the performance of the asset management contract.

Project Partners
Gallaudet University
&
Scale Microgrid

Project Capacity

7.5 MW

**Projected Overall
Benefits**

Energy Bill Savings
Carbon Reductions
Resiliency

Completion Date

Fall 2024

