

LES Community Microgrid

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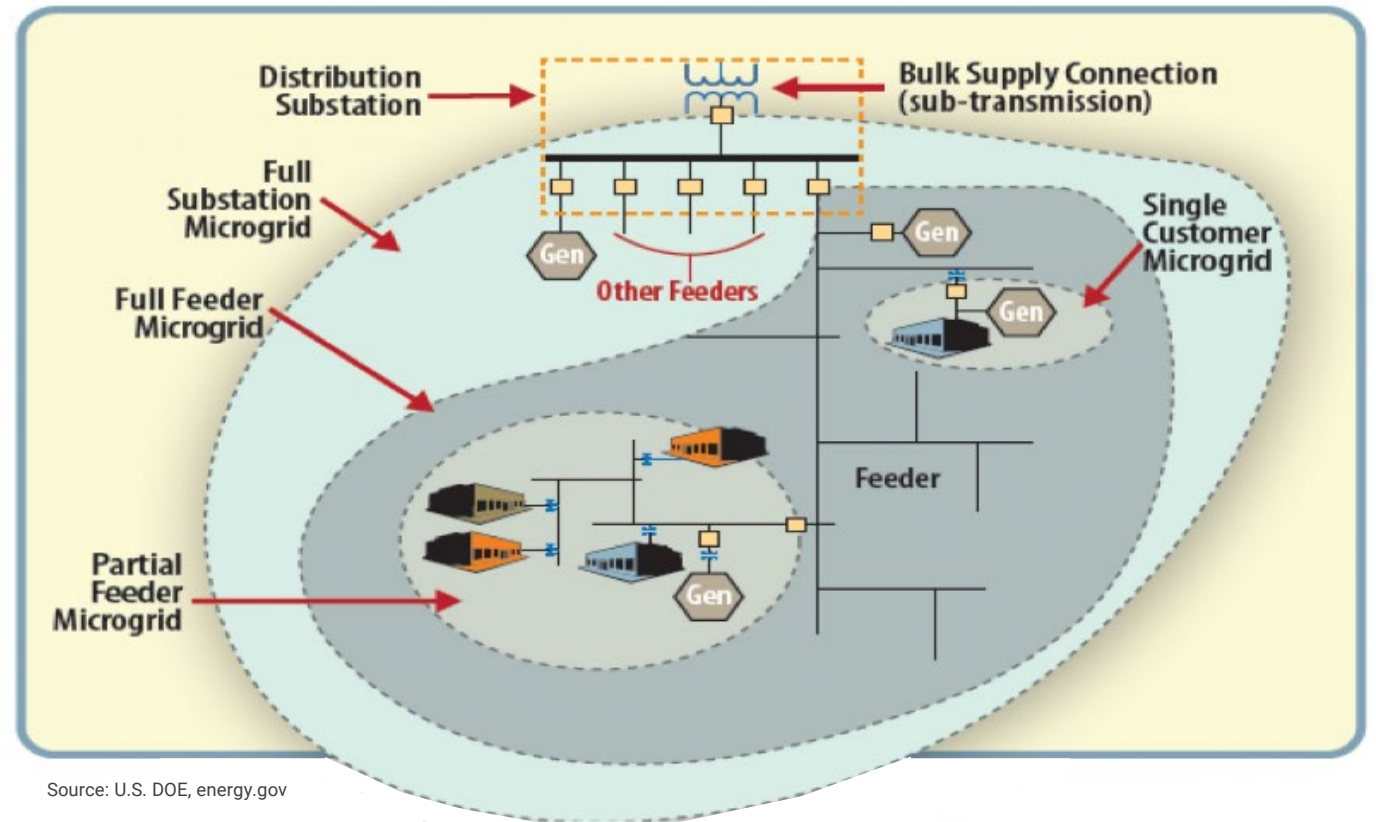


Microgrids 101

Definition

“Microgrids are localized grids that can disconnect from the traditional grid to operate autonomously. Because they are able to operate while the main grid is down, microgrids can strengthen grid resilience and help mitigate grid disturbances as well as function as a grid resource for faster system response and recovery.”

Source: [The Role of Microgrids in Helping to Advance the Nation's Energy System](#), U.S. DOE, energy.gov



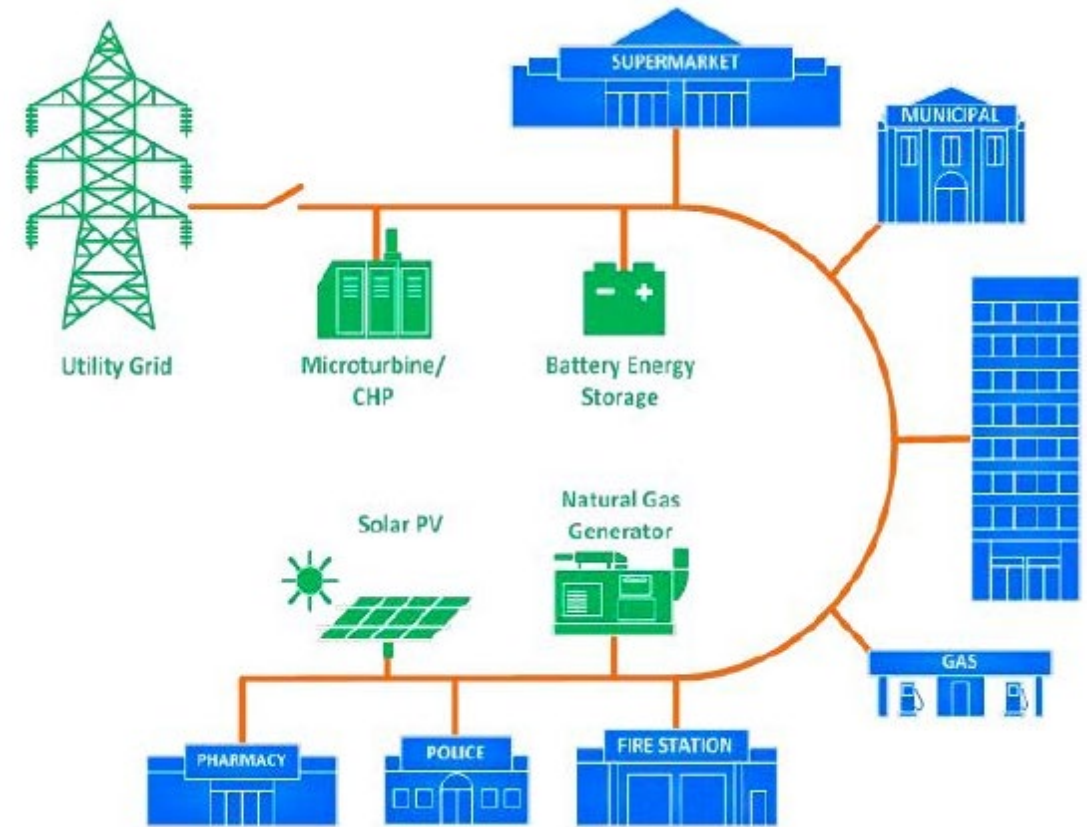
Source: U.S. DOE, energy.gov

Microgrids 101

Community Microgrid

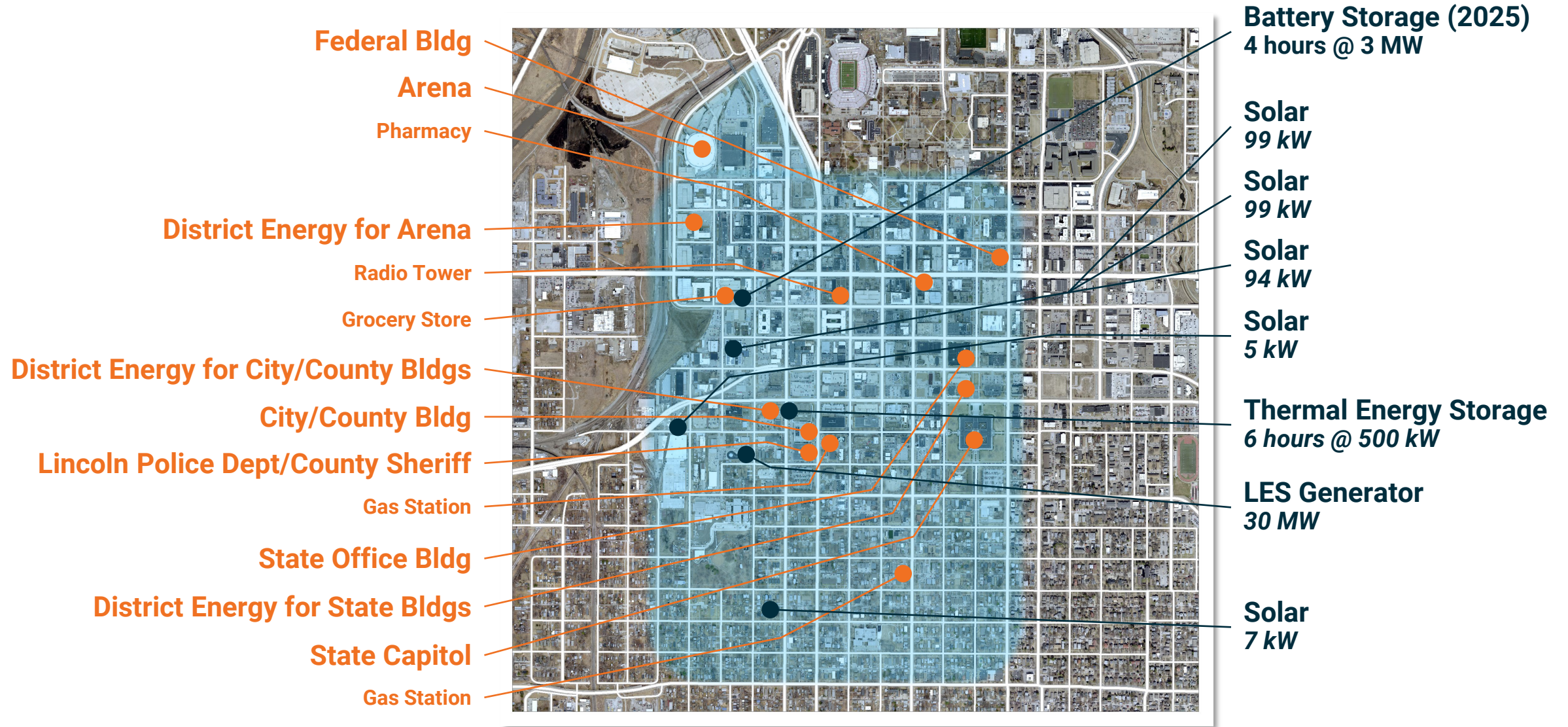
“A community microgrid usually serves critical facilities in a town or city and often has some government funding. Its primary purpose is to ensure power to services that people can’t live without for an extended period of time. These include hospitals, police and fire stations, shelters, grocery stores, gas stations, waste and water treatment facilities and communication infrastructure.”

Source: [Choosing the Type of Microgrid that is Right for Your Operation](#), microgridknowledge.com, January 16, 2018



Source: [Community Microgrid Diagram](#), bing.com

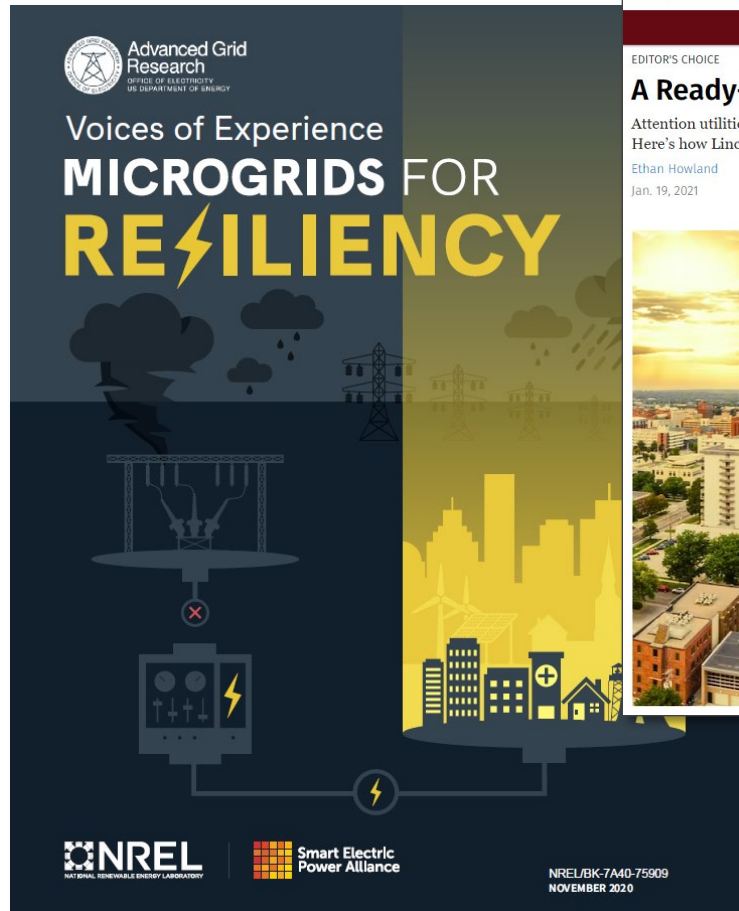
LES Community Microgrid



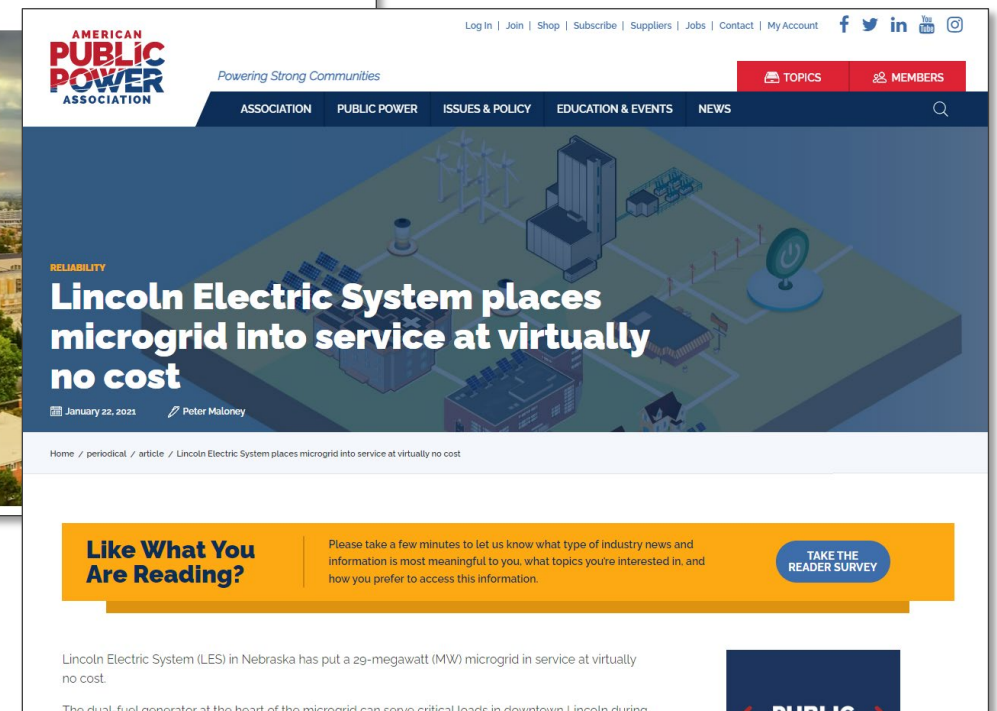
LES Community Microgrid Publications

For more information

Source: [A Ready-Made Microgrid at Zero Cost? Yep. A Nebraska Utility Did It](#), Microgrid Knowledge, January 19, 2021



Source: [Voices of Experience: Microgrids for Resiliency](#), U.S. Department of Energy, November 2020, Page 14



Source: [Lincoln Electric System Places Microgrid into Service at Virtually No Cost](#), American Public Power Association, January 22, 2021

A low-angle, upward-looking shot of a wind turbine. The sun is positioned behind one of the blades, creating a bright, multi-pointed lens flare that dominates the left side of the frame. The turbine's nacelle and parts of the blades are silhouetted against the bright sky. The nacelle has the word "LEAG" printed on it in large, bold, black letters. The background is a clear, light blue sky.

Thank you!