



PSERC WEBINAR

Analysis of the Spatiotemporal Vulnerability of Low-Carbon Power Grids: A New York State Case Study

Lindsay Anderson
Cornell University

The last few years have seen announcements of zero-carbon policies from cities, counties, states, and nations. All of these strategies depend on decarbonization of the electric power system under increasing electrification in the transportation and building sectors. The implications and potential vulnerabilities introduced by operational constraints of a zero-carbon power grid facing changing climates and technologies have received limited scrutiny. This webinar will describe a recent analysis that explores the spatiotemporal heterogeneity of vulnerabilities arising from the interplay between renewable resource availability, high load, and severe transmission line congestion in the context of the zero-carbon grid proposed in the New York State Community Leadership and Climate Protection Act (CLCPA).

NOVEMBER 22, 2023

[LINK TO WEBINAR](#)

1:00-2:00 P.M. ET

(10:00-11:00 A.M. PT)

Catherine (Lindsay) Anderson is Professor and Chair of the Department of Biological & Environmental Engineering at Cornell University, with field appointments in Applied Mathematics, Electrical and Computer Engineering, and Systems Engineering. Her research focuses on energy system decarbonization at the interface of environmental and systems engineering, power systems, optimization, and decision science.

