

***Lights Out? Climate Impacts, Blackouts, and How Clean Energy Can Help***  
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This presentation will cover how our electricity system is vulnerable to climate change impacts—including heat, drought, sea level rise, and extreme storms—and how distributed clean energy can build resilience against such impacts. Many conventional power plants are highly dependent on fresh water for cooling, yet changes in both water availability and temperature in a warming world jeopardize the reliability of these plants to produce power at critical times. Similarly, in a changing climate, there is increasing potential for flooding from sea level rise and extreme storms to knock out critical energy infrastructure along the coast. Renewable energy resources such as solar and wind, which do not require water to generate power, can help avoid these energy–water collisions, while distributed clean energy resources coupled with storage and microgrids can reduce emissions and help keep the lights on, especially at critical facilities.