

Summer Energy Horizons

Strategies for Regional Electricity Transitions

June 10 -- June 19, 2019

Overview

Changes in climate, economics, policy, technology, resource availability, and population demand major transitions for energy systems in the United States and specifically for our electric grid. These changes will look different in different regions of the country. The summer Energy Horizons program will examine different strategies for transforming the electric grid and will engage students in developing solutions, using the New England grid as a case study region.

What challenges and pressures are the grid and stakeholders facing today? What changes need to occur? What does the New England electric grid need to look like 10, 20, 50 years from now? How are different states, through policy, infrastructure, climate goals, and technology, facilitating the transition from the grid today to the grid of the future?

Students will think critically about these questions, meet with stakeholders in four New England states, and develop and pitch their own solutions.



Learning Outcomes

1. Understand the historical, cultural, political, and economic context of a regional electric grid; Gain insight into resource availability, community values, and regulatory and legal landscape that influence decision making.
2. Understand different strategies being deployed to transition our electric grid to a more sustainable future and evaluate how and why different strategies are being leveraged and deployed by different states in the region.
3. Engage in visioning, design thinking, and future scenario planning, using New England as a case study, for an electric grid transformation. Students will learn skills that allow them to apply what they learn from stakeholders in four New England states to developing and pitching a pathway to a sustainable electric grid at the end of the program. These skills can be applied to energy system transition questions nationally and internationally following this program.
4. Get to know and value a community of students who share this experience. Understand their diverse backgrounds and points of views. Build connections with staff and regional stakeholders.



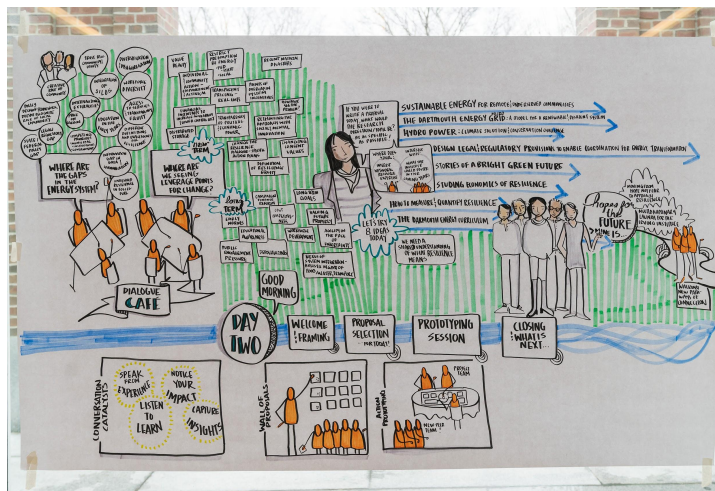
Application Timeline

Application deadline: Sunday, March 31st, 5pm

Attendee selection: Friday, April 5th, end of day

Attendees will be required from attend 2-3 pre-trip education sessions to be scheduled once attendees are selected.

Trip Begins: Monday, June 10th, 2019



Trip Itinerary

June 10	Moosilauke Ravine Lodge	The Arrival	Welcome and Opening Discussion
June 11	Northfield, MA	The New England Grid	Visit Northfield Mountain Pump Storage Hydro Facility; Meet with ISO New England and energy storage
June 12	Holyoke, MA	Massachusetts Strategies	Climate Action Plans and Building & Transportation Efficiency
June 13	Albany, NY	Our Grid Neighbor	Hear from neighboring grid and discuss options for additional electricity generation including natural gas
June 13 & 14	Burlington, VT	Vermont Strategies	Visit Green Mountain Power, Efficiency Vermont, and Renewable Energy Vermont to discuss VT strategies for sustainable electricity
June 15	Moosilauke Ravine Lodge	Off Day	Hang out at the lodge and/or explore Mt. Moosilauke!
June 16	Concord, NH	New Hampshire Strategies	Visit Liberty Utilities, Clean Energy NH, and state policy makers to learn state energy goals and policy
June 17	Moosilauke Ravine Lodge	Piecing it Together	Review of different state strategies; Discuss pros and cons and how they fit together within the region
June 18	Moosilauke Ravine Lodge	Design Thinking	Work as a team to design and pitch pathways to the best possible electricity future for New England
June 19	Hanover, NH	Departure	Return to Hanover, reflect & depart!

Costs

Trip Fee: \$400 covers **ALL** of your expenses including meals, programming, and housing for the entire duration of the trip. Financial aid is available to cover cost of the trip and we will work with you to make sure cost is not a barrier to participation in this program. If you are worried about the cost, please still apply!