

# ENVIRONMENTAL ADVISORY COUNCIL

## FALL MEETING AGENDA

Hilton Garden Inn  
235 Hoosick Street  
Troy, NY

Thursday Oct. 24, 2019

9:30 a.m. – 3:30 p.m.

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The State of New York's energy and environmental policies have taken on greater significance as the Legislature and governor put into effect the *Climate Leadership and Community Protection Act* (CLCPA). Among the energy policies now codified into law are that: 70% of electricity consumed in the state be derived from eligible renewable resources by 2030; 100% of electricity consumed in the state be derived from zero-emission resources by 2040; and 85% of the economy-wide carbon dioxide emissions be eliminated by 2050.

The legislation calls for the formation of a Climate Action Council tasked with outlining recommendations for attaining the statewide greenhouse gas emissions limits. While silent on the prospect of instituting carbon pricing in support of its goals, the legislation directs the Department of Environmental Conservation to develop a "social cost of carbon" to serve as a "monetary estimate of the value of not emitting a ton of greenhouse gas emissions." The social cost of carbon concept is a necessary and fundamental element of the carbon pricing market design envisioned by the NYISO.

Beyond energy markets, achieving the CLCPA's goals requires a shift from fossil fuels to electricity in other segments of the economy. The transportation sector, for instance, is responsible for nearly 50% of CO<sub>2</sub> emissions in New York State. Widespread adoption of electric vehicles will be necessary to meet goals, leading to challenges and opportunities for grid planners and operators in managing the increasingly dynamic nature of load.

Today's discussions are aimed at diving in deeper to carbon pricing and the potential role of electric vehicles in demand response, including recent analysis conducted on the NYISO's carbon pricing proposal by Resources for the Future as well as recent analysis from National Renewable Energy Lab on electric vehicles as a source of demand response.

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| <b>9:30 – 10:00</b>  | <b>Welcome &amp; NYISO Strategic Plan Overview</b><br>Rich Dewey, President & CEO<br><i>NYISO</i>   |
| <b>10:00 – 11:30</b> | <b>Benefits &amp; Costs of Power Plant Carbon Emissions Pricing in New York</b><br>Dan Shawhan, Fellow<br><i>Resources for the Future</i>               |
| <b>11:30 – 12:30</b> | <b>Lunch</b>  |
| <b>12:30 – 2:00</b>  | <b>Electric Vehicle Smart Charging as Demand Response</b><br>David Hurlbut, Ph.D., Senior Analyst and Economist<br><i>National Renewable Energy Lab</i> |
| <b>2:00 – 3:00</b>   | <b>Roundtable Discussion</b><br>Emilie Nelson: Executive Vice President<br><i>NYISO</i>   |
| <b>3:00</b>          | <b>Adjourn, Executive Session</b>   |