



UPCOMING WEBINAR

## CHP + Renewable Gas: A Path Towards Carbon Neutrality

Thursday, June 18, 2020, 12 pm Central

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CHP can reduce your carbon footprint very economically in comparison to any other clean energy technology. And while the carbon content of the natural gas fuel can be offset by other measures, Renewable Gases such as hydrogen and RNG offer path toward true Carbon Neutrality while using your baseload CHP investment.

As we push towards the decarbonization of the energy industry, all fossil fuels are being dismissed in favor of wholesale electrification. Yet, the wholesale conversion of our heating systems, industrial processes, transportation, and baseload power generation to solar and wind power has not been designed nor fully analyzed. In the Midwest USA, converting to grid electric will presently increase your carbon footprint, and customers will need to wait 20-30 years for a fully decarbonized power grid.

Considering the carbon content of our Midwest electrical grid, natural gas driven CHP can lower your carbon footprint by 30-40%. Using renewable gases such as biosourced Renewable Natural Gas (or RNG) or renewable hydrogen, CHP can provide your facility a resilient, low cost "carbon reduction" plan, today, with a path toward zero net carbon, still utilizing your resilient CHP.

This presentation will offer a primer on RNG, as well as Power to Gas (P2G) that produces renewable hydrogen. Both technologies are being used as off-the-shelf solutions for applications ranging from energy storage, carbon neutral facilities, and the utilization of excess solar and wind power. The presentation will review a proposal for a renewable hydrogen fueled CHP pilot project.

Coming away from this discussion, participants will have an understanding of how P2G and renewable hydrogen can benefit the gas grid, renewable energy storage, and perhaps your next Carbon Neutral project. Attendees will understand how biogas derived RNG can supply a significant portion of the USA gas grid, offering percentages of renewable energy, in excess of what solar and wind have provided to the electric grid today. Renewable Gas fueled CHP will likely provide a significant portion of our future energy infrastructure.



[DTE Energy](#) (NYSE: DTE) is a Detroit-based diversified energy company involved in the development and management of energy-related businesses and services nationwide. Its operating units include an electric utility serving 2.2 million customers in Southeastern Michigan and a natural gas utility serving 1.3 million customers in Michigan. The DTE Energy portfolio includes non-utility energy businesses focused on power and industrial projects, natural gas pipelines, gathering and storage, and energy marketing and trading. Place article copy here. Be sure to make the articles short and concise as people tend not to read much more than a couple of paragraphs. Place article copy here.

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