





The 1.7-megawatt carbon-capture pilot project at We Energies' Pleasant Prairie, Wis., plant.  
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carbon storage. According to Aubertin and Courtright, this pilot is a catch and release program. The carbon that is captured will be released into the atmosphere, as it would have been anyway.

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Operational costs must also be factored in. This pilot will examine such factors as cost to maintain the absorber and the energy required to run the absorber.

If the chilled ammonia technology meets its expected potential, it might be used for other purposes in the future. For example, most of the attention today is focused on coal-fueled plants because they are so widely used and emit significant amounts of CO<sub>2</sub>.

If this technology proves out and CO<sub>2</sub> emissions are cut by 90 percent, attention could be shifted to other types of plants. For example, natural gas-fueled plants emit about half the CO<sub>2</sub> as compared with comparable coal plants. If the chilled ammonia technology cuts a coal plant's emissions so it is only emitting 10 percent of its current amount, the emissions of a gas-fueled plant would contribute more CO<sub>2</sub> to the atmosphere than a coal-fueled plant.

Additionally, the participants in this trial hope to expand the usefulness of this technology to plants around the world. As noted, the work done to bring the chilled ammonia technology to its current state has already benefited from the cooperation of nearly three dozen organizations from around the world.