

Markham District Energy welcomes Pond Technologies

NEWS Oct 10, 2018 by [Susie Kockerscheidt](#) Markham Economist & Sun



Steve Martin is CEO of the future Pond Technologies Carbon Capture and Utilization Plant to be built on Warden Avenue in Markham. Oct. 10, 2018 - Susie Kockerscheidt/Metroland

The new Pond Technologies will be constructed adjacent to Markham District Energy's Warden Energy Centre in the city of Markham.

This will be the world's first facility to capture and convert carbon emissions into valuable, nutritious health supplements through a biological process.

Pond's facility will transform CO₂ emissions captured from MDE's combined heat and power facility to grow algae-based nutraceutical products utilizing the facility's proprietary bioreactor technology.

The growth of algae in large vessels (bioreactors) are engineered to automatically regulate the inflow of CO₂ or nutrients while reducing the need for manual supervision.

After only a few days, the algae are ready for harvest and can then be processed into marketable products, just like any other crop.