Arcadis, CCI BioEnergy partner under Master Service Agreement

The partnership aims to advance organics processing capacity and sustainable materials management across the U.S. and Canada.

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Arcadis, a Netherlands-based engineering and design firm, has partnered with CCI BioEnergy, an organics processing solutions company, under a multiyear master service agreement to provide engineering and design services. According to the companies, the collaboration aims to advance organics processing capacity and sustainable waste management solutions across the U.S. and Canada.

The partnership was announced alongside the first agreement under the MSA to assist Oakville, Ontario-based CCI BioEnergy in conducting the preliminary and design work for the pretreatment and part of the anaerobic digestion process for the expansion of the city of Toronto's Disco Road organics processing facility.

The Disco Road facility currently processes approximately 82,670 tons of postconsumer organic waste annually through Toronto's Green Bin program, which collects food waste, diapers, incontinence materials, pet waste and kitty litter in plastic and biodegradable bags.

Arcadis says it will support CCI BioEnergy with the design of part of the framework to increase the facility's processing capacity. Collaboration on the preliminary and design work for the pretreatment and part of the anaerobic digestion process began in January 2026.

"We're incredibly proud to be working with CCI BioEnergy, as this partnership represents a meaningful investment in the future of sustainable organics management in Toronto," says René de Vries, client development director at Arcadis. "The collaboration with CCI BioEnergy on pre- and postconsumer organic waste, mixed waste and sludge treatment will create a framework with advanced technologies that can be adapted to municipalities and wastewater systems across Canada and the United States."

Currently, upon arrival at the facility, organic material is sorted to remove nonorganic materials. Remaining materials enter the anaerobic digestion system, which converts the waste into biogas and digester solids. These outputs are then reprocessed into renewable natural gas or transformed into Class AA compost materials used in the agriculture sector, Arcadis says, with the treated wastewater discharged into the city of Toronto's wastewater system.

As part of Toronto's expansion initiative, the facility is expected to increase its processing capacity to 125,000 metric tonnes (137,790 tons) annually, with a peak load capacity of 140,000 tonnes (154,323 tons) per year. CCI BioEnergy says its BTA Process already has enabled the diversion of more than 1 million tonnes (TONS) of Toronto's organic materials from landfills since 2002.

"As a company operating in multiple countries, CCI BioEnergy was looking for a partner with global expertise who could help improve sludge processing, source-separated organic waste processing and mixed waste organics operations across North America," CCI BioEnergy President Ward Janssens says. "Arcadis' strong design and engineering expertise made them an ideal partner for CCI to work with on the Disco Road organic facility project and for broader collaboration moving forward."

Construction timelines, project milestones and additional work under the MSA will be announced as the partnership progresses.