The Harvest Power Energy Garden in Richmond, British Columbia, Canada is the first industrial-scale high-solids anaerobic digestion (HSAD) plant in Canada and is also one of the largest HSAD plants in North America. The plant utilizes the patented GICON Process, a two-stage dry-wet anaerobic digestion process developed by GICON in cooperation with the Brandenburg Technical University in Cottbus, Germany.

The plant processes approx. 30,000 t/a of combined food waste from residential and commercial sources and yard (lawn/garden) waste and produces approx. 770 kW of electrical energy. Approx. 17,000 tons of compost is then produced from the digested organic waste each year after completion of subsequent aerobic composting.

The plant produces approx. 60 cubic meters of natural gas (methane) per ton of organic waste, for an annual total of 2.4 M m³ of CH₄ (24 MWh combined heat and power). Burning this amount of renewable biomethane instead of traditional natural gas reduces carbon emissions by approx. 3,000 tons of CO₂ equivalent, while diverting this waste from a landfill results in approx. 20,000 tons of additional reductions of CO₂ equivalent, for a total of 22,956 tons of CO₂ equivalent avoided annually.

The design of the plant was recognized by KPMG as one of the Top 100 infrastructure projects worldwide in 2012.

GICON provided complete core process design, supervision of construction, mechanical and electrical installation and commissioning, and provides operation technical support.