

WISE

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FOR SUSTAINABLE ENERGY



LECTURE SERIES

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BUILDINGS | CARBON CAPTURE AND STORAGE | FUEL CELLS | NUCLEAR | POLICY | PLANNING
RENEWABLES | SMART GRID | STORAGE | SUSTAINABLE MOBILITY | SUSTAINABILITY ANALYSES

PRESENTED BY THE WATERLOO INSTITUTE
FOR SUSTAINABLE ENERGY

Tuesday July 24, 2018
10:30 – 11:30 am
DC 1304

BIOGAS - RESOURCE RECOVERY & CLEAN TECH

David Thompson, Project Manager, Technical Services, Walker Environmental

This talk will focus on the **three projects** being pursued at the Walker Environmental landfill in Niagara Falls, Ontario through our landfill gas utilization partnership, Integrated Gas Recovery Services (IGRS).

- 1. General Motors (GM) Landfill gas to energy (LFGTE)**– 6.4 MW of behind-the-meter electrical generation and 8 MW of thermal waste heat recovery to reduce the GM St. Catharines facility carbon footprint by 77%
- 2. Walker Niagara Campus LFGTE** – 3 MW behind-the-meter generation project to reduce onsite electrical loads
- 3. High BTU/Renewable Natural Gas (RNG)** – Upgrading and Scrubbing the LFG to produce pipeline quality RNG

Biography



Born and raised in St. Catharines, ON, David graduated with a Bachelor of Applied Science in Honours Chemical Engineering from the University of Waterloo. While in university, David worked as a Co-op Student at Imperial Oil, General Motors, Maple Leaf Consumer Foods & Woodbridge Foam Group.

David currently works as a Project Manager at Walker Environmental Group (a subsidiary of Walker Industries) where he specializes in developing landfill gas (LFG) utilization projects. Walker Environmental is a Canadian leader in Resource Recovery and Waste Management, with a focus on sustainability providing coast-to-coast environmental solutions to municipalities and private businesses. Walkers develops and operates environmental and green energy infrastructure for a circular economy.

ALL ARE WELCOME!

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