

OCWA/Stratford/GE: Energy Recovery and GHG Reduction Initiative



GE Power
Water & Process Technologies

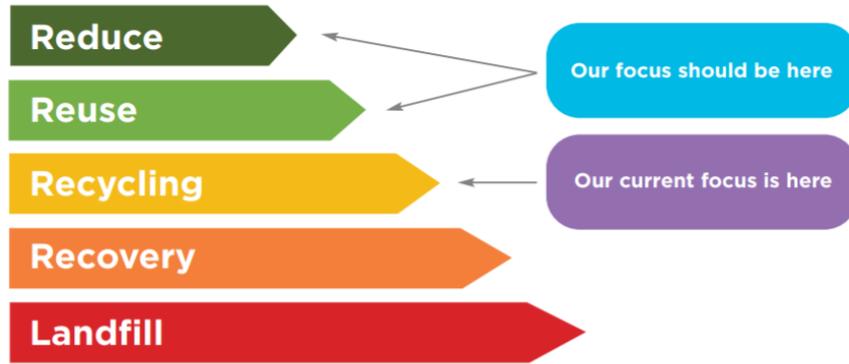


Presented by: Indra Maharjan, OCWA

Date: April 17, 2018



Trust. It flows from experience & commitment.



Ontario generated 12 million tonnes of waste in 2014

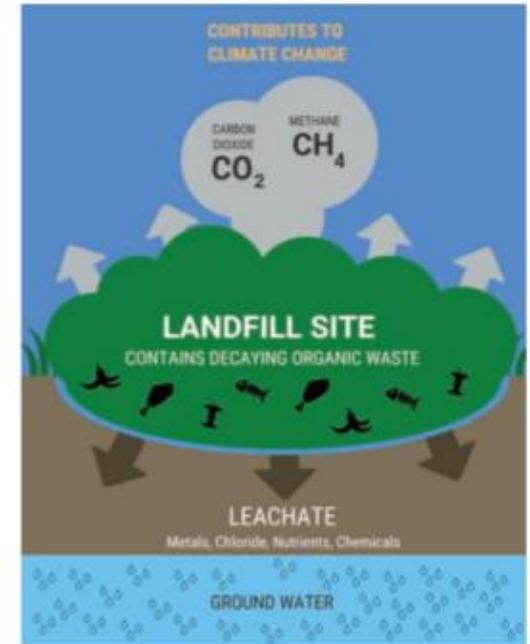
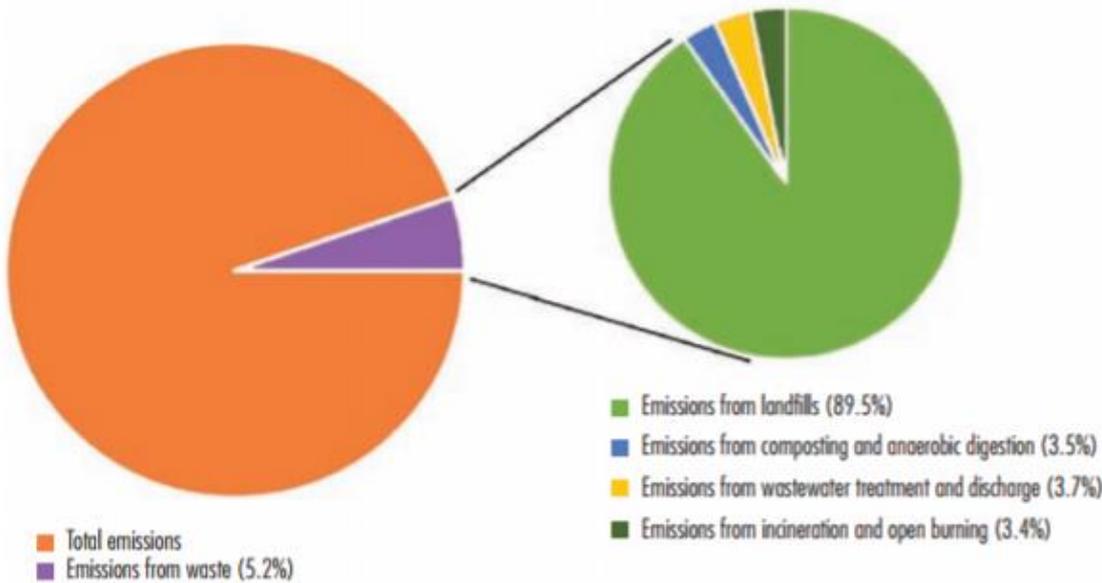
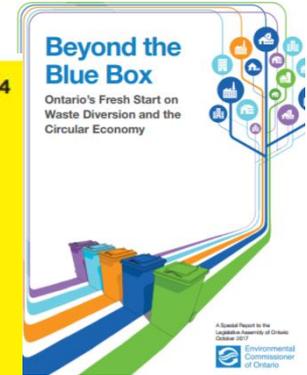
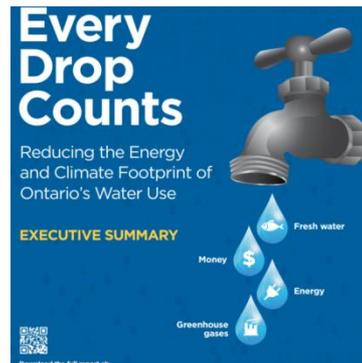
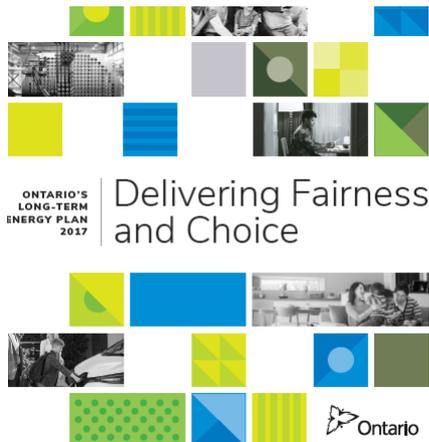


FIGURE 4.1. The environmental impacts of landfilling waste source: Created by the ECO.

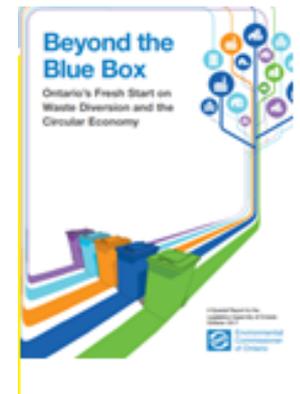
New Regulations



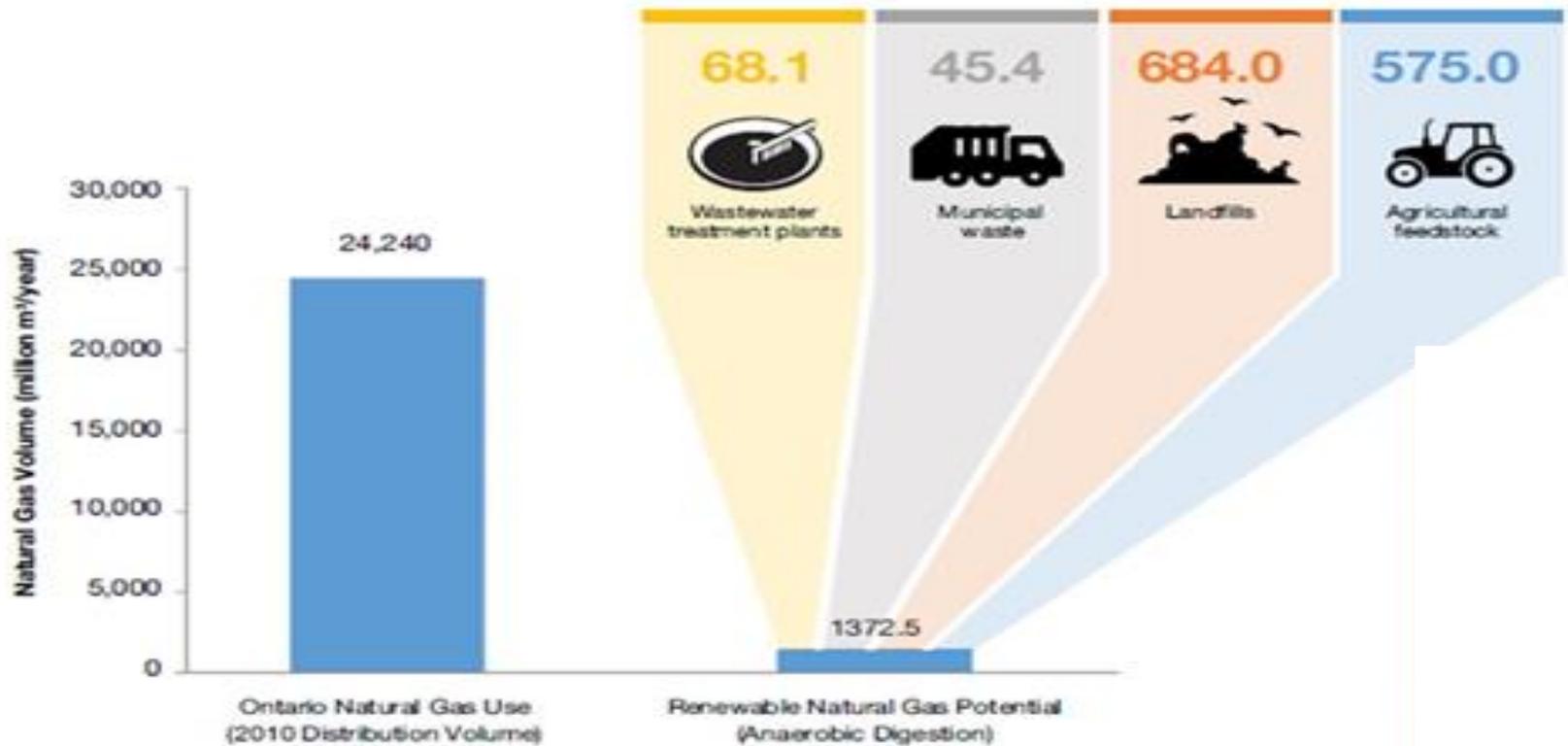
PROPOSED FOOD AND ORGANIC WASTE FRAMEWORK

Includes:
Part A: Food and Organic Waste Action Plan
Part B: Food and Organic Waste Policy Statement

Ministry of the Environment and Climate Change
 November 2017



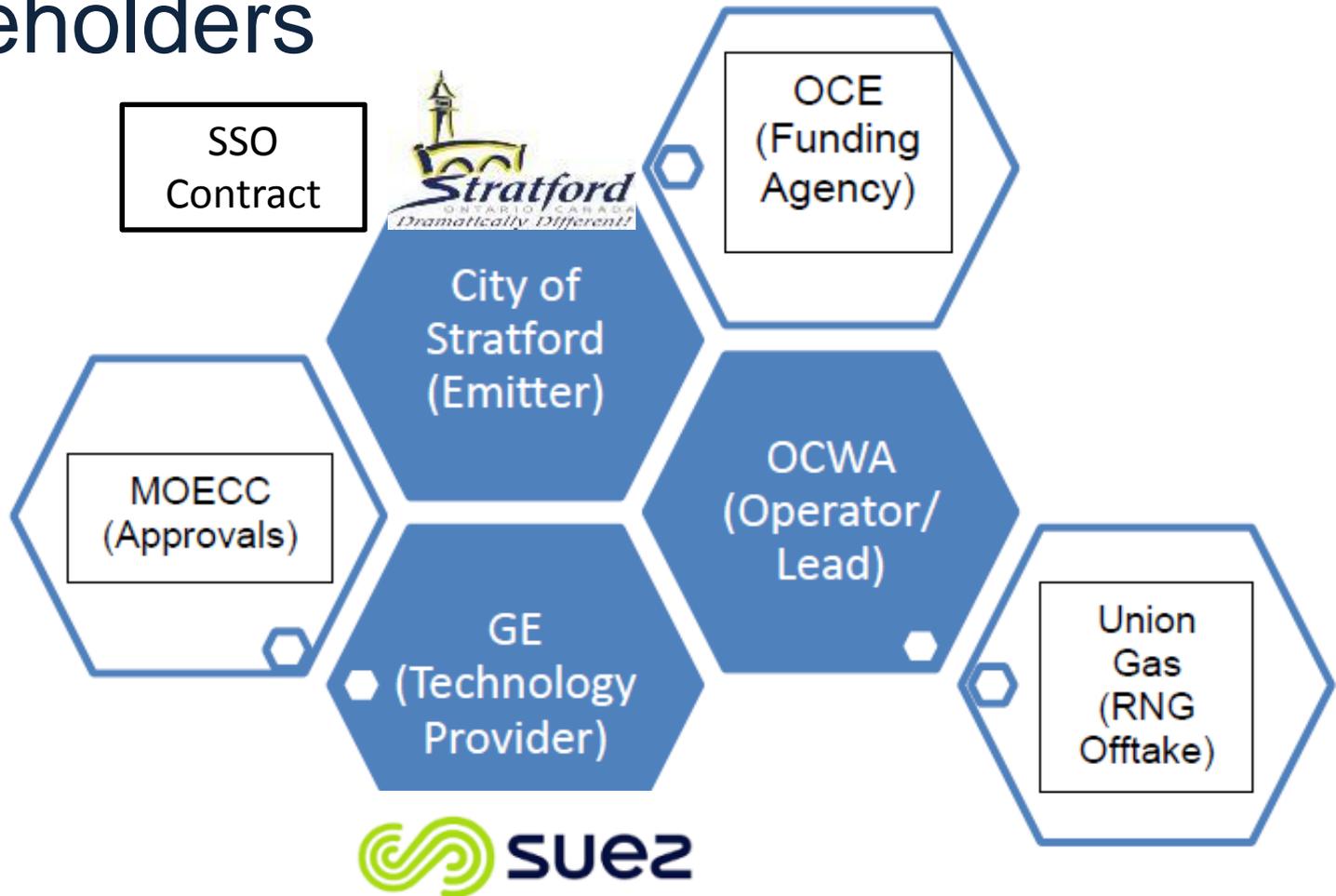
RNG Potential



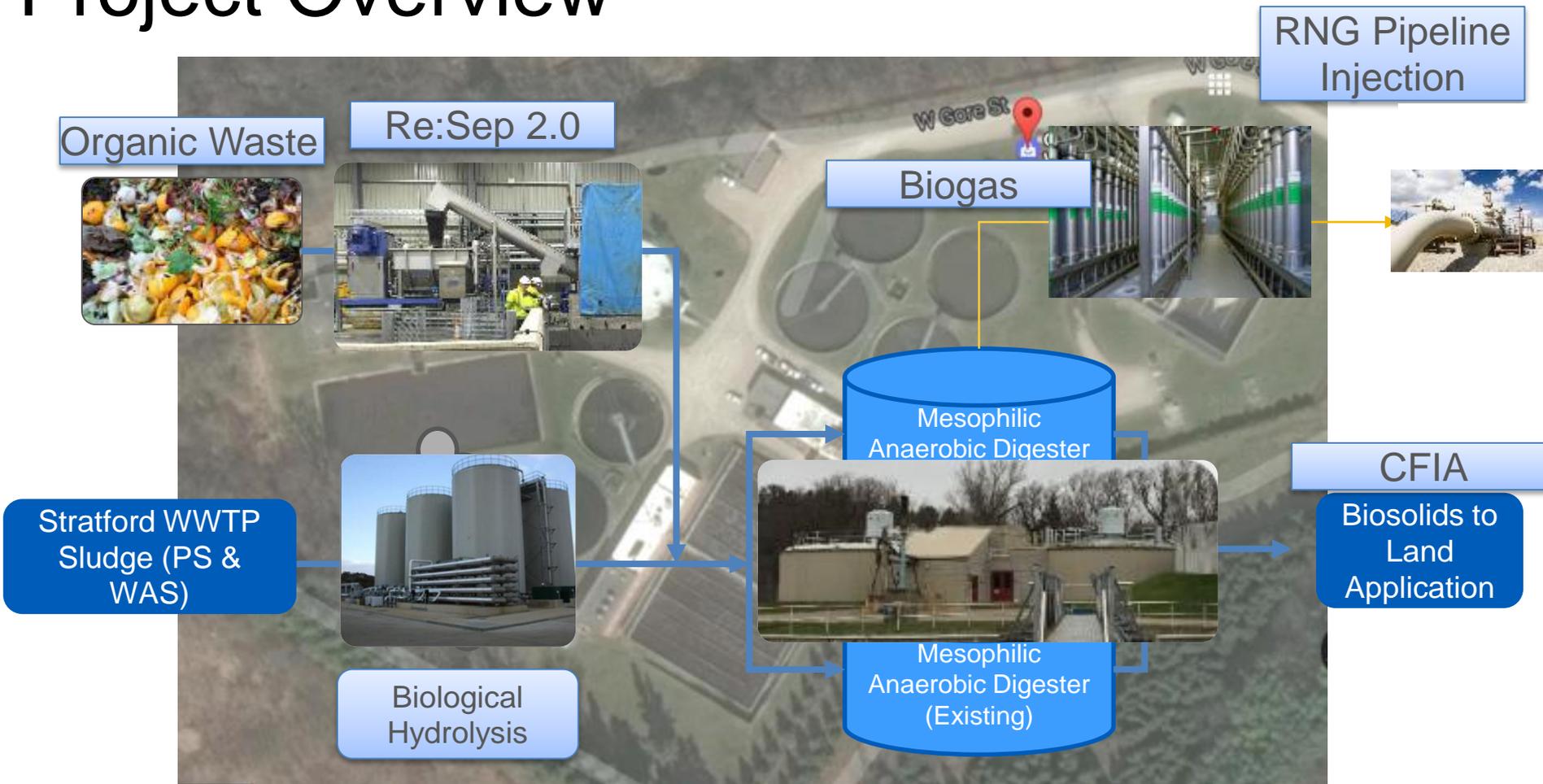
Introduction



Stakeholders



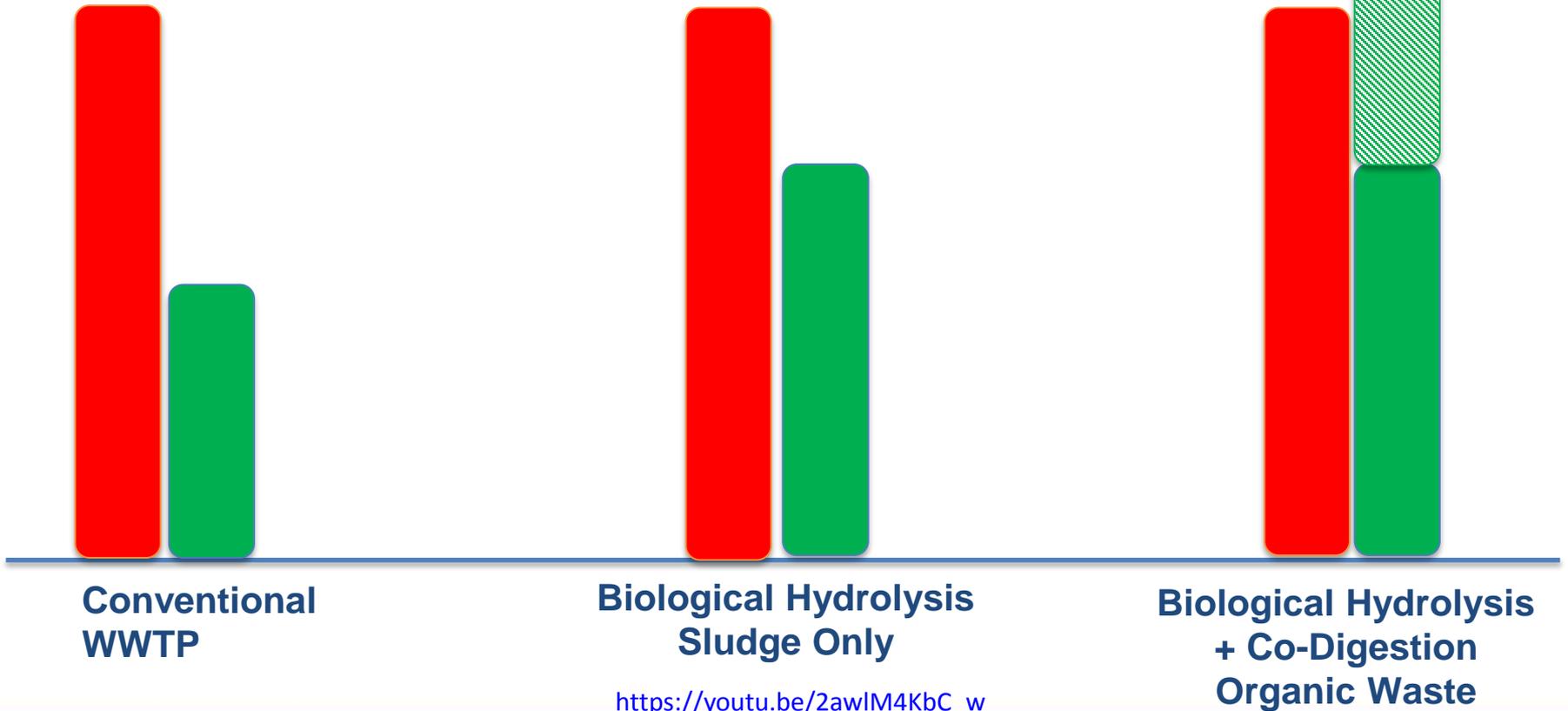
Project Overview



Reducing GHG Emissions by 48,951 TCO₂eq/yr
Increasing Biogas Production by 4 Times

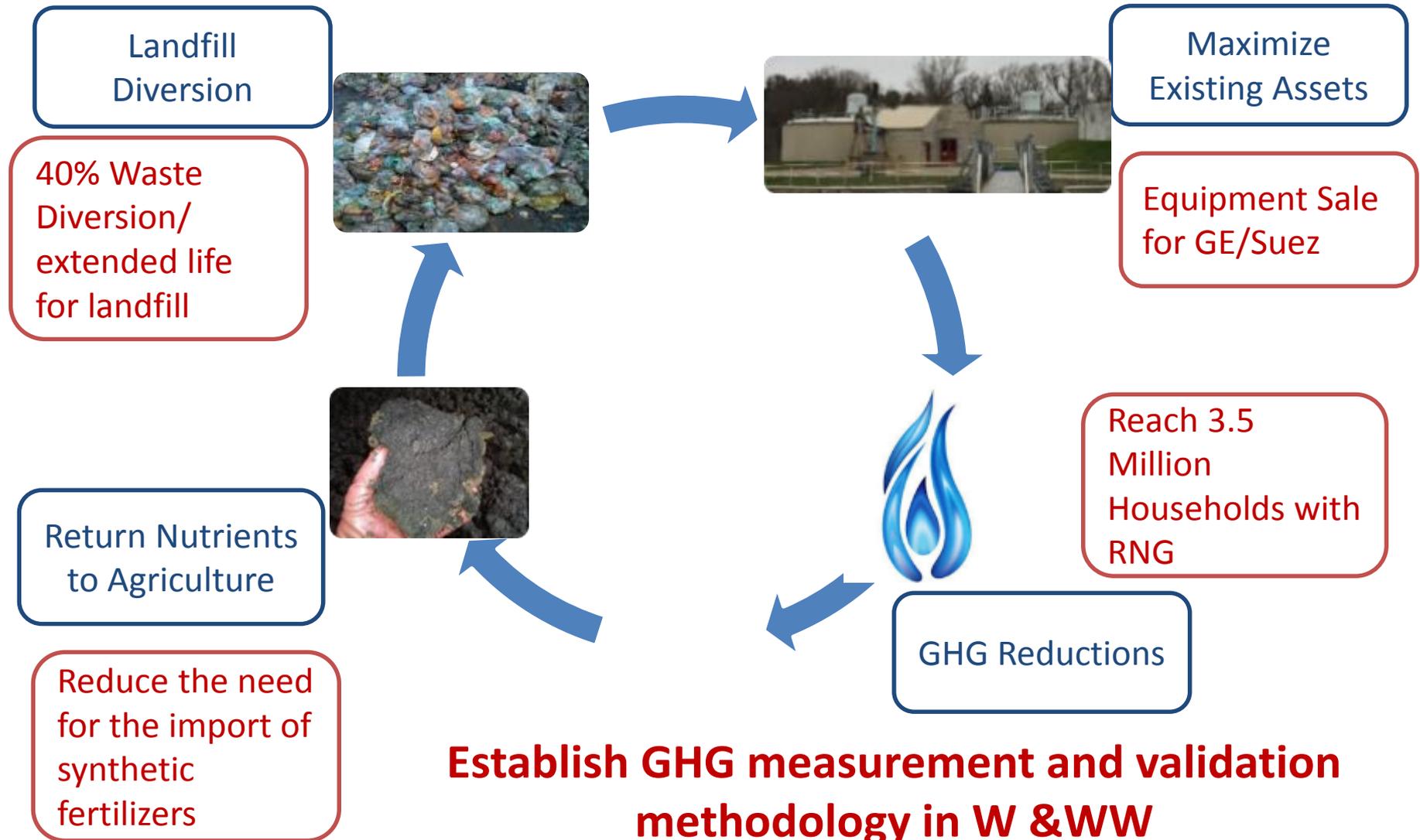
Energy Consumers to Energy Producers

 Consumption
 Production



https://youtu.be/2awIM4KbC_w

Value Chain in a Circular Economy/ Co-benefits



Blueprint for the Future

48,951
TCO₂eq/yr

869,790
TCO₂eq/yr

1,586,090
TCO₂eq/yr

2.6 Million +
TCO₂eq/yr



Repeatable Model for 68+ WWTPs across Ontario

Supporting the Province's Climate Change Action Plan & Upcoming Regulations