



BUILD OWN OPERATE *INNOVATE*

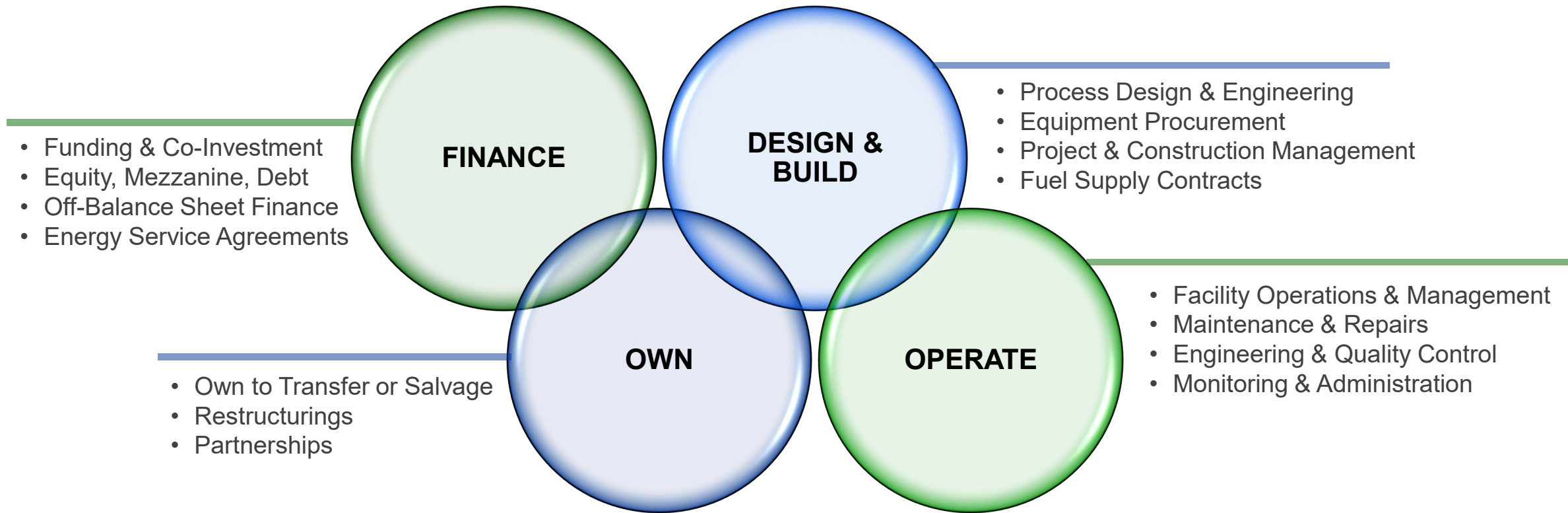
**Township of Southgate – Delegation**  
March 16, 2022

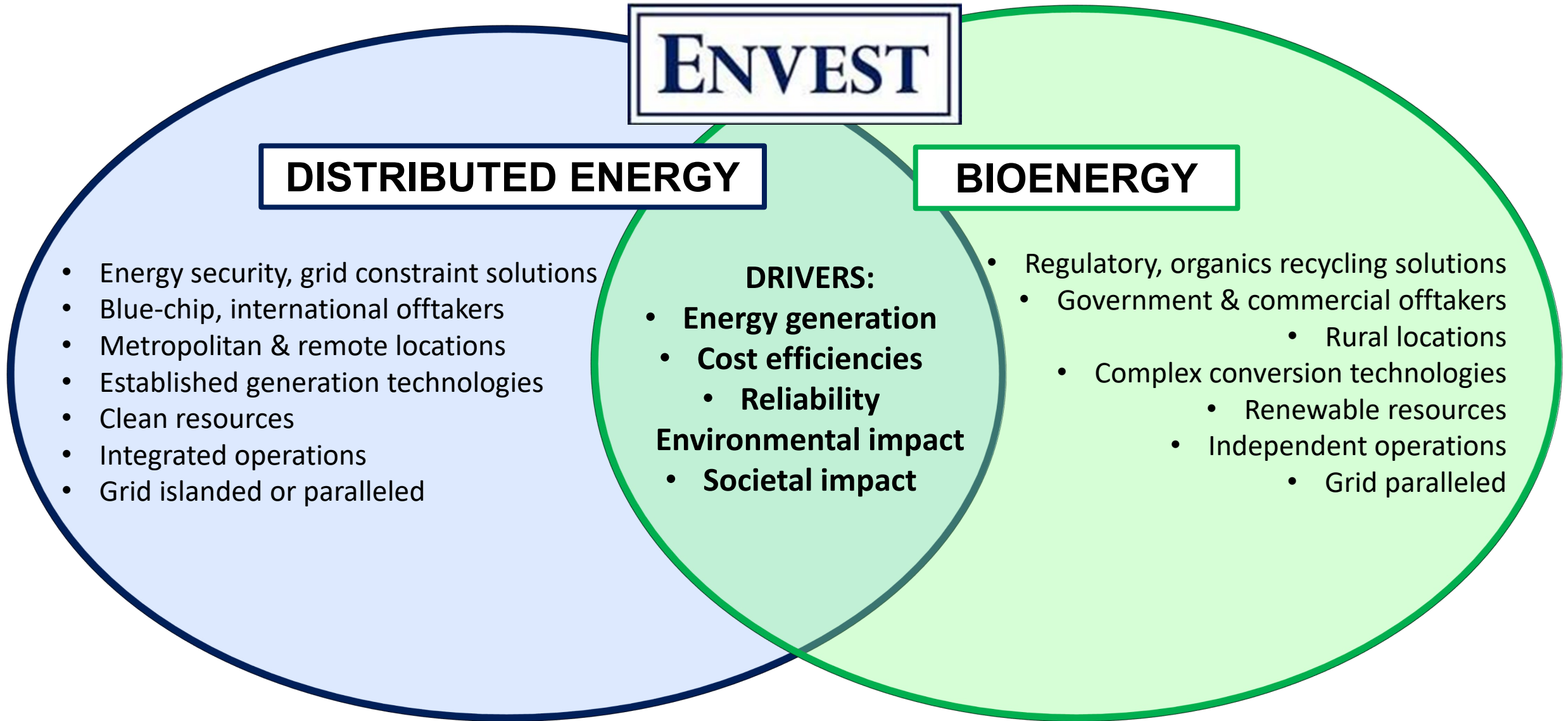
# Presentation:

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# 1. Overview

- Envest is an independent energy producer delivering private utility and recycling solutions to industry and government
- Finance, build, own and operate turnkey clean energy systems to meet sustainability objectives in mission critical environments
- Focus on sustainable distributed energy and bioenergy using natural or renewable resources (e.g. natural gas, biogas, wind, etc.)
- Targeted opportunities are in the North American mid-market sector, and independent of regulated, utility-owned infrastructure





- Envest acquired the Petawawa anaerobic digester project in August 2021
- Project rebranded as “**Southgate Renewables LP**”
- Envest’s experience in constructing and operating a similar projects has resulted in modifications to the project design and operating considerations
- Envest taking steps to bring the facility into construction and operation:
  - Biogas Services Agreement executed with Enbridge on October 5, 2021;
  - Land acquisition executed on October 26, 2021;
  - Site plan modifications based on Envest experience;
  - Discussions with GRCA;
  - Evaluation of site expansion opportunities;
  - Preparation of ECA amendment documentation;
  - Preparation of SPA documentation; and
  - Negotiations with Enbridge on natural gas supply



## 2. Bioenergy References



## Organics Recycling

- Located in Leamington, Ontario
- In operation since 2011
- Capacity expansion completed 2021 – 110,000 tonnes/year
- 150,000 GJ per year RNG project has commenced

## Recycling

- Municipal “green-bin” source separated organics
- Commercial organics recycling

## Fertilizer

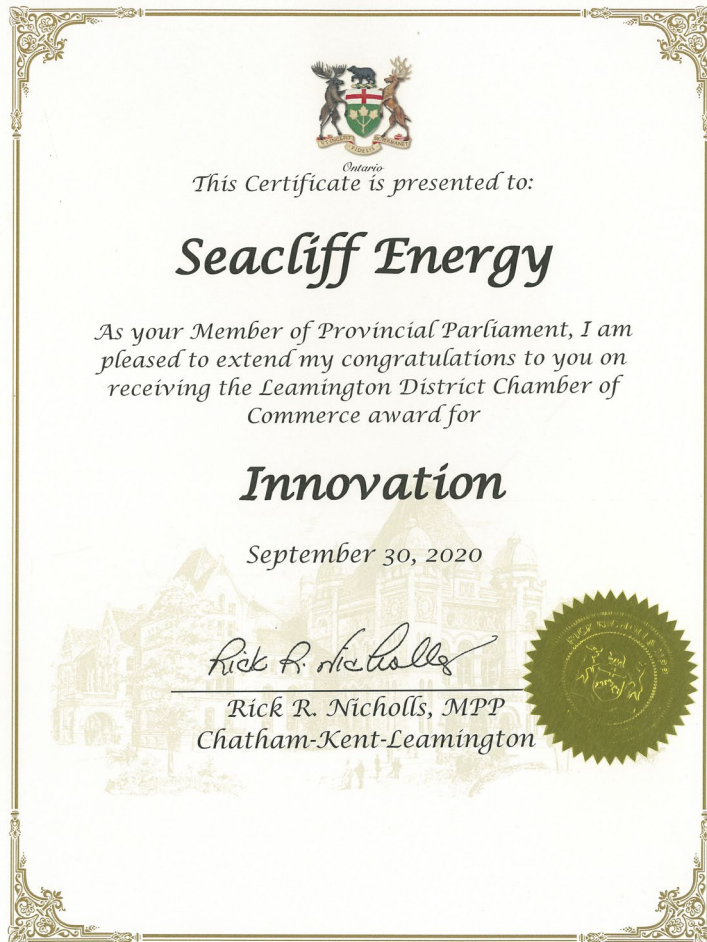
- Licensed fertilizer production with certified organic fertilizer currently being sold

## Renewable Energy & Organics Recycling Facility





- Recognized as a leader in its industry and community for years of technical innovation and operational excellence
- **Innovation Award** from the Leamington District Chamber of Commerce at the Annual Business Excellence Awards ceremony on September 30, 2020





CORNERSTONE  
RENEWABLES



Ontario

Strategy for a  
**WASTE-FREE  
ONTARIO**  
Building the  
**CIRCULAR  
ECONOMY**



*\* Successful proponent of City of Toronto long-term organics contract procurement, awarded April 2021*



## Biodiesel

- Renewable biofuel facility in Miami, Florida, U.S.A.
- Zero-waste, multi feedstock production facility
- Capacity up to 10 M gallons of biodiesel per year

## Glycerin

- Nameplate capacity production up to 1.8M gallons per year
- 95% purity glycerin

## Renewable Biodiesel Facility



## Biomethane

- Design engineering study underway
- Approximately 100,000 GJ per year of RNG
- Biogas is currently available and being flared
- Development, design, build, own and operate
- Target commercial operation date is Q4 2022

## Joint Venture

- Co-development with a major natural gas utility
- Invest to own and operate

## Off-Taker

- Discussions with several interested parties to date
- Government off-taker anticipated
- Long-term (20-year) offtake agreement anticipated

## Renewable RNG Facility



## Recycling

- Municipal “green-bin” source separated organics
- Commercial organics recycling
- Environmental Compliance Approval received from Ontario MECP
- Land Purchased October 2021
- Permitting to be completed 2022
- Commissioning anticipated for 2023

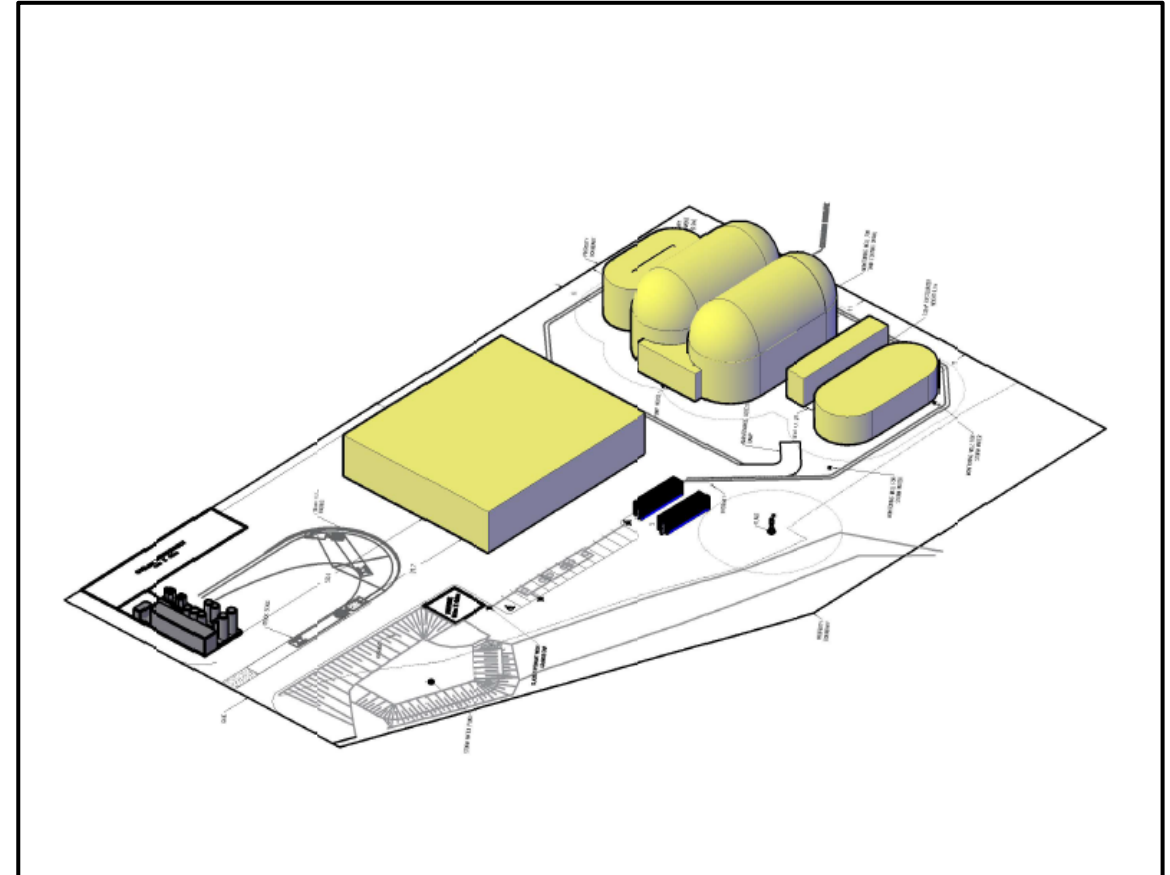
## Energy

- Renewable natural gas – “RNG”
- Over 200,000 GJ per year RNG production
- 20-year RNG offtake agreement
- 24/7 baseload energy generation
- Interconnection to Enbridge pipeline
- Enbridge agreements executed winter 2021 / spring 2022

## Fertilizer

- Licensed fertilizer production with certified organic fertilizer planned

## Renewable Energy & Organics Recycling Facility



# 3. Site Extension Opportunity



## Southgate Renewables 5 acre site:

- Constrained by ditch and ditch floodplain setback on western side
- Constrained by adjoining Green Om property on eastern side

## Result:

- Truck turning radius is tight
- Difficult maneuvering
- No opportunity to expand tank farm



## Additional adjacent lands to the south and east:

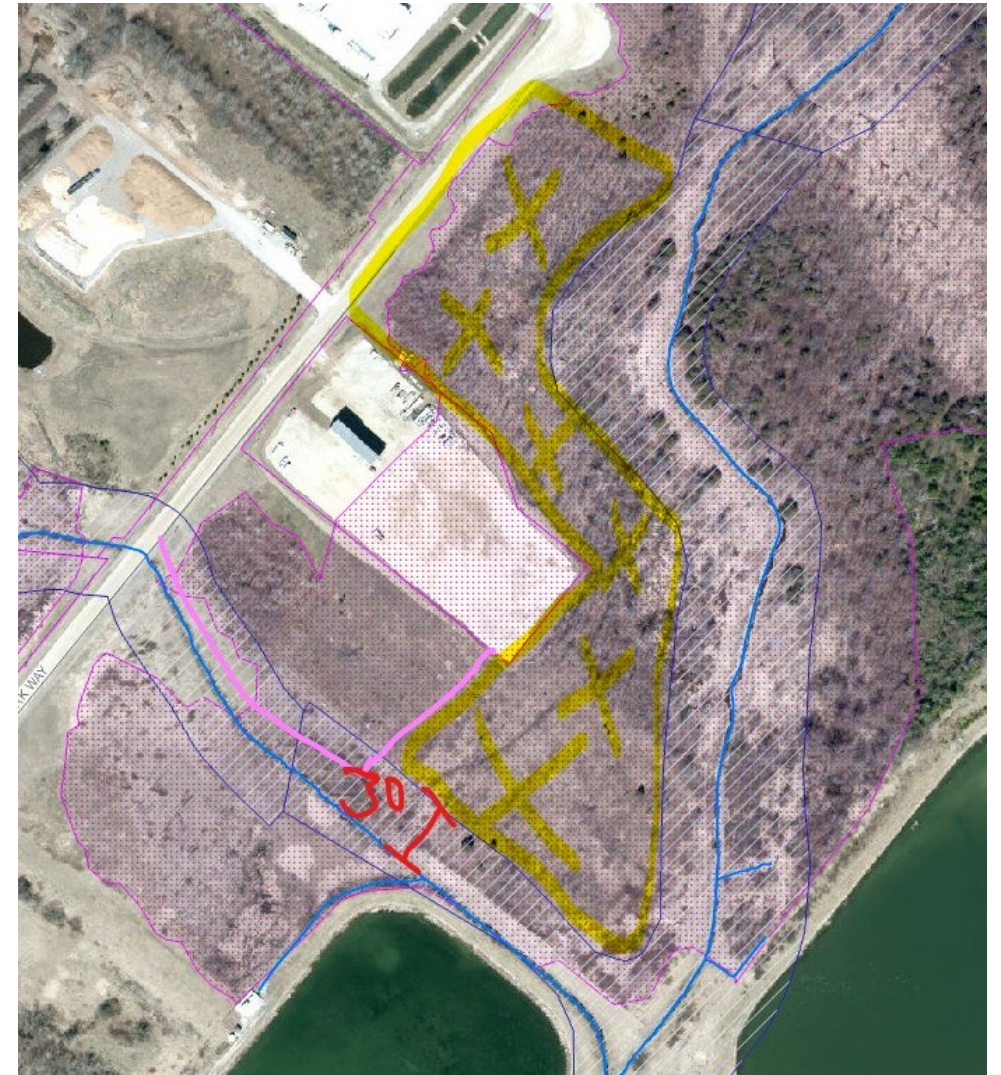
- Will require a buffer from ditch and wastewater lagoons
- Will require a buffer from wetlands

## Evaluation report from Aboud Environmental:

- A portion of the adjacent lands are developable

## Request

- Sale of this area to Southgate Renewables at same price as original transaction.
- Closing immediate, subject to confirmation from GRCA.







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