

## **1. FEEDSTOCK AVAILABILITY**

- **Barriers to inter-municipal transportation and processing**
- **Municipal bylaws; Munis have to allow outside waste**
- **Move to integrated, centralized facilities (hub and spoke)**

## **2. COMPETITION (on farm digesters)**

- **Typically limited capacity, less flexibility**
- **Dispersed sites**
- **How will they adapt to new variable materials?**
- **Where will preprocessing and polishing happen?**
- **Small volumes of solids to landfill**
- **Digestate management (beyond the host site)**
- **Need long term contracts for municipalities**

### **3. POTENTIAL DISRUPTION IN WWTP**

- Reserve future capacity
- Overhaul for high solids mixers
- Don't disrupt operations (effluent/biosolids quality, high BODS and solids)

### **4. PRE-PROCESSING AND POLISHING**

- **OPTION 1: At WWTP – footprint, transport, trucks, odours**
- **OPTION 2: At transfer station – economies of scale**
  - Consider cost of transport (small vs. large trucks)
  - Consider odours
  - Lots of water haulage

### **5. END PRODUCTS**

- Dilution factor
- Additional biosolids generated – distance, contaminants, NASM plans

## **1. SCOPE & CAPACITY**

- **76 AD facilities within the province.**
- **Existing surplus capacity vs. capacity created by installed technology**

## **2. DIGESTATE MANAGEMENT**

- **Net Zero “inside the fence” is not Net Zero**
- **Needs an end- user market evaluation**
- **Additional materials = additional volumes. Plan type and volume to create the desired end product characteristics.**
- **Elevate product quality (simultaneous planning of installed technology)**
- **Storage and logistics issues**
- **Stresses within marketplace from other materials (out of prov/country)**