Supreme Industries

*Hard Work · Embrace Innovation · Lead Change · Honesty · Being Pioneers*

- 32 year old, privately held, family run business
- Embrace the principles of beneficial reuse
- Land clearing and civil site work
- Right of Way work for Electrical Distribution Companies
- Work performed throughout the Northeast, Ohio to West Virginia
- Private and commercial site work for residential and municipalities
Supreme Forest Products

Operates on two sites in the State - Harwinton & Southington, CT

- SFP reuses, and distributes the myriad of products we create:
  - Compost
  - Mulch
  - Soils
  - Playground Fiber
  - Special lumber products
- Manage and distribute 250,000 yards of material every year
Quantum Biopower

Developing and operating the Anaerobic Digestion Facility in Southington, CT

Goals & Diligence

• Develop the model of what good organics management and renewable energy production looks like
• Replicate that model where it make sense in the region
• 4 years of diligence; 10 different technologies – Europe & across the U.S.
• Decided on a technology from the Mid-West

Project Update

• Operating on 65 acres of land in Southington, CT
• General permit to store wood fiber products
• Leasing half of the DePaolo dr. landfill - Taking in town leaves at no cost
• Submitted a SW/AD application to State DEEP
• Filing for applications for Air Permit and Wastewater
• Once permitting is granted, construction can commence
Technology

Developing the operation of a “wet” Anaerobic Digestion system with a 40,000 TPY permitted capacity

3 “legs of a stool” approach
1. Incoming Organics
2. Energy Off Take
3. Co-Products Management

Decision Tree

- Feedstock flexible
- Proven & domesticated technology
- Scalability – capacity to run at minimal/maximal conditions
- Closed loop, continuous system design
- Cost
- Efficiency
Impact of Legislation

The impact of PA 11-217 & PA 13-285 on our decision making process

3 “legs of a stool” approach

1. Incoming Organics
2. Energy Off Take
3. Co-Products Management

Impact of Legislation

• True partnership is established
• Impacted all 3 critical success factors
• Solidified our decision on geography
• Keep green material fraction in current process
• Biogas production is maximized
• Resulting energy off take improves
System Design
Southington AD Facility

- Main Digester
- Equalization Tank
- Combined Heat & Power
- Inbound Organics Reception
- Digestate Management
Thank You!