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October 6: ADvancements in MA & Around the Region - Roundtable

Northeast Digestion Roundtable 2017
Quarterly webinars to share technical operations experiences & advance best practices regarding anaerobic digestion in this region.

Dial: 603-475-5910
Enter code 344378 (“digest”)
Go to url: https://join.me/nebiosolids

Produced by: www.nebiosolids.org/ne-digestion-roundtable
603-323-7654
info@nebiosolids.org
NEBRA Presentation

Lou Torres
National Sales Manager
Wangen America

Cell: 678-372-8350
L.Torres@wangen.com
• Have been integrated for many years in the energy production process

• Undergone continuous further development and optimization

• Suitable for conveying maize silage, grass silage, GPS, solid manure, poultry dung, waste and co-ferments, which are mixed with liquid in the pump.
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Clean Energy Results Program
MassDEP

NE Digestion Roundtable
October 6, 2017

Presented By: James Doucett

Innovative Partnership:
Massachusetts Department of Environmental Protection
Massachusetts Department of Energy Resources
Massachusetts Clean Energy Center
Anaerobic Digestion

Farm AD Capacity Operating
- Jordan Farm, Rutland
- Pine Island Farm, Sheffield
- Barstow Farm, Hadley
- Barway Farm, Deerfield**

** Not interconnected yet to the grid
Anaerobic Digestion

Commercial and Food Manufacturing AD Capacity Operating:

- Commonwealth Resource Management pilot, Crapo Hill LF
- Stop & Shop Product Recovery Operation, Freetown Distribution Warehouse
- Ken’s Foods
- Garelick Farms, Lynn and Franklin
Anaerobic Digestion

Wastewater Treatment Facilities:
- Massachusetts Water Resources Authority (MWRA) Deer Island WWTP
- Greater Lawrence Sanitary District (GLSD)
- MWRA Clinton WWTP
- Pittsfield WWTP
- Fairhaven WWTP
- Rockland WWTP
Anaerobic Digestion

New capacity permitted, under construction:

- Jordan Farm – 2\textsuperscript{nd} engine
- Jordan Heifer Farm, Spencer
- Crescent Farm, Haverhill
- Pine Island Farm – 2\textsuperscript{nd} engine
- Rockwood Farm, Granville
- Belden Farm, Hatfield
- Greater Lawrence Sanitary District (GLSD)
Anaerobic Digestion

Projects in the Pipeline

• Several projects have held pre-permit meetings with MassDEP
• How many, if any, will move forward?
  • CRMC Crapo Hill LF Expansion
  • Quantum Biopower, Holyoke
  • Yarmouth
  • Others?
Organics Management Capacity

Depackaging capacity - Operating:

- WMI Boston CORe
- EL Harvey
- Parallel Products (liquids only)
- RecycleWorks Inc.
- Save That Stuff, Inc.
- Troiano Trucking
Organics Management Capacity

Depackaging capacity – Not yet operating:

- Casella
- Feed Resource Recovery
- Harvest Power
- Pine Island Farm
- Vanguard Renewables

2017 Recycling Business Development Grants include some organics processing projects – under review
Clean Energy Results Program Contact

DEP:

Doucett, James.Doucett@state.ma.us, 617.292.5868

Energy Results Program Website:

www.mass.gov/eea/agencies/massdep/climate-energy/energy/
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BlueSphere Digester, Johnston, RI

September 26, 2017 tour • photos courtesy Lissa Ham
Centrifuge
Hopper conveyor
Overs conveyor
Slurry tank
Digesters
Digesters
Gas storage
Generators
Thank you for joining in.

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SPONSORED BY

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An additional update: the new digester at Agri-Energy, Exeter, Maine (photo courtesy John Forcier)