



# St. Albans Digester Project Update

Robust Anaerobic Digestion

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# Discussion Topics

- Project Recap and Current Status
- Proposed Project Changes
- Introduction to PurposeEnergy™

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# Project Recap



- *Anaerobic digester project w/ 800kW genset*
- *Magnan & Besette family farm partners*
- *Land on Dunsmore Road leased from Besette family*
- *Includes phosphorous capture technology*

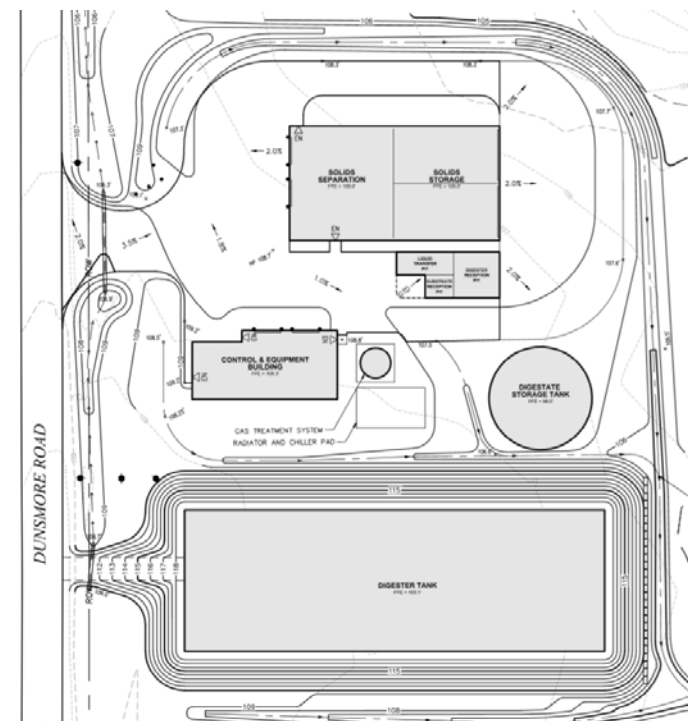


# Project Milestones Update



***Significant development work has been accomplished:***

- Extensive Archaeology fieldwork has been completed by NorthEast Archaeology and the Phase III report is being completed. Met several times with the Abenaki Tribal Council to provide archaeology updates.
- Majority of civil design and engineering has been completed
- Generator engine has been built and is pending delivery
- Environmental assessments have been completed



# St. Albans Community Digester

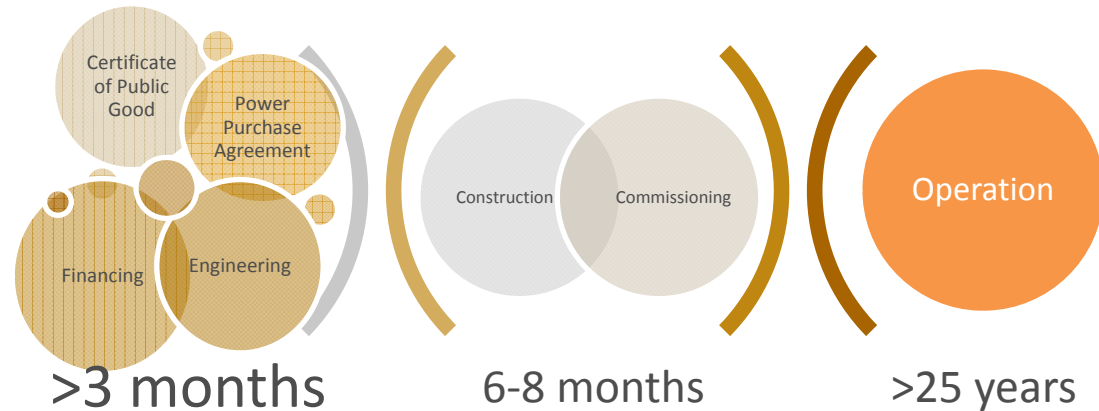


The CPG process will move forward with structure and design changes:

- PurposeEnergy added to the team as owner/operator
- Lost manure to be replaced by food and beverage substrates
- Magnan manure to be piped instead of trucked

GMP will purchase the clean energy for customers

**Phosphorous capture technology will still contribute to watershed benefits and help to meet EPA goals**





## Who is PurposeEnergy?

PurposeEnergy™ develops onsite resource recovery centers for food and beverage manufacturers

- Founded in 2007
- Core technology is anaerobic digestion
- Design/builder of custom wastewater treatment plants
- Contract operator of industrial wastewater treatment plants





## South Burlington Digester at Magic Hat Brewery

Developed, Owned, & Operated by PurposeEnergy™

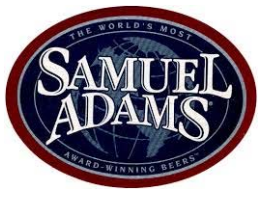
- **70% savings to Magic Hat Brewing Company**
- Tribid-Bioreactor™ reduces organic load to the City by **100x**
- Phosphorus load is tailored for the City's needs
- Awarded highest rating by ANR for wastewater facilities
- Vermont's 2017 Industrial Wastewater Operator of the Year
- Feedstocks have included brewery waste, skim milk, acid whey, soft drink production waste, FOG, glycerin, glycol, nutraceutical waste, condiment waste, and more



# PurposeEnergy™ Customers



Procter&Gamble





PurposeEnergy, Inc.  
800 West Cummings Park  
Suite 3400  
Woburn, MA 01801  
+1 (844) DIGESTER  
[www.PurposeEnergy.com](http://www.PurposeEnergy.com)

Eric Fitch, CEO  
[fitch@PurposeEnergy.com](mailto:fitch@PurposeEnergy.com)  
+1 (617) 224 8747  
@gas4beer

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