

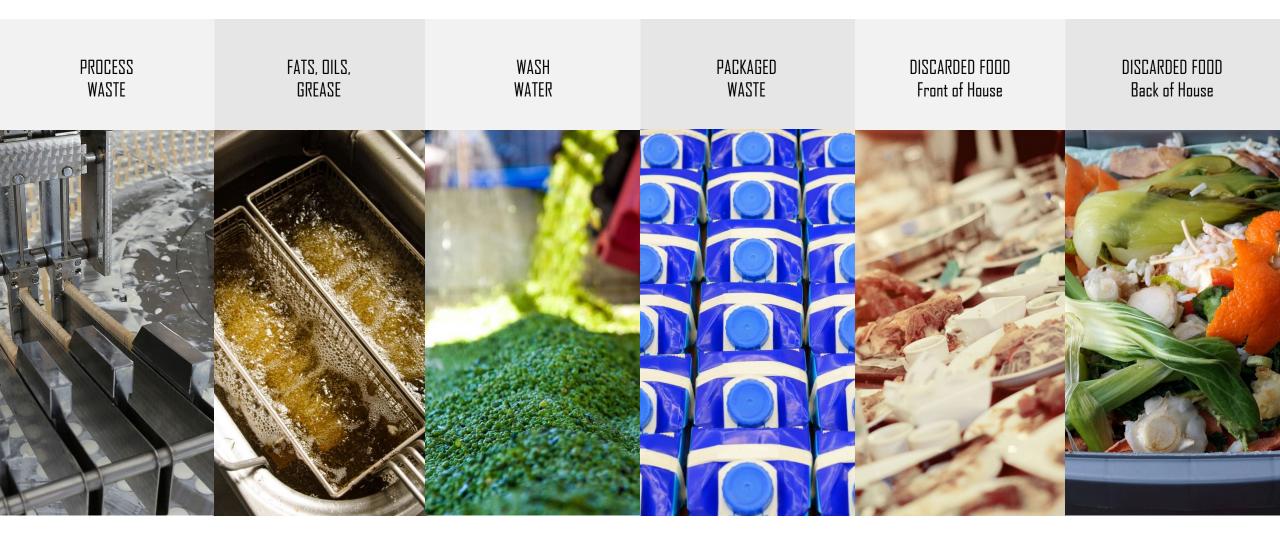
## MEETING SUSTAINABILITY GOALS & PRESERVING FAMILY FARMS January 2021



### 40% of America's Waste is Organic Materials

FARM POWERED SUSTAINABILITY







# Vanguard Renewables – Organics Recycling/Depackaging Hub



Single destination for all material needing depackaging Feeds multiple Farm Powered anaerobic digestion facilities and supports family farms



## Vanguard Renewables Co-digestion – Developers, Owners, Operators



- Institutionally funded by mission-driven investors seeking to impact climate change by:
  - Capturing latent methane in animal manure/reducing GHG emissions
  - Removing food waste from landfills
  - Producing renewable natural gas (RNG) or renewable electricity
- Vertically integrated anaerobic digestion company that builds, owns, and operates all its projects
- 6 operating co-digestion facilities/Projects in development nationwide
- Organics Recycling/Depackaging capability including advanced ORF in Western Mass.
- Largest organics recycler in the Northeast with capacity to process 700 tons per day of food waste and 250 tons per day of manure

- Works with leading food manufacturers, retailers and institutions including Unilever, Starbucks, and Whole Foods Markets
- Strategic Alliances with Dominion Energy and the Dairy Farmers of America





### The Farm Powered Opportunity - How this all works!

FARM POWERED SUSTAINABILITY





- Plate Clearing
- **Expired Food**
- Grease & Oil  $\checkmark$

- Compactor
- Dumpster
- Collected liquid or  $\checkmark$ solid food waste transported to ORF or anaerobic digester for recycling

#### Organics Recycling Facilities







- $\checkmark$ Most advanced system available
- Depackages and processes expired goods and unsafe food and beverage products
- $\checkmark$ Extracted food sent to anaerobic digester

#### Multiple Anaerobic Digesters







- $\checkmark$ 100% Farm Based
- Multiple systems = reliable  $\checkmark$ destination
- $\checkmark$ Circularity – Closed loop



and the second

Party.



jhanselman@vanguardrenewables.com

617-480-1448

Vanguard Renewables Ag, 15 Walnut Street, Suite 300, Wellesley MA 02481 www.vanguardrenewables.com