

FOOD WASTE DIGESTION IN CT



NE STATES CLIMATE ENERGY SUMMIT



1 POUND PER DAY

40 MILLION TONS PER
YEAR



Every year
36,395,000 tons
of food is turned into waste in the U.S.

FOOD WASTE DIVERSION



PRE/POST CONSUMER

FOOD WASTE WE PROCESS



PACKAGED WASTE



FATS/OILS/GREASES



DAIRY



BEVERAGE

DIGESTION PROCESS



1



Receiving/Pre-Treatment

2



Anaerobic Digestion

Lack of oxygen
128°F
Continuous mixing

3



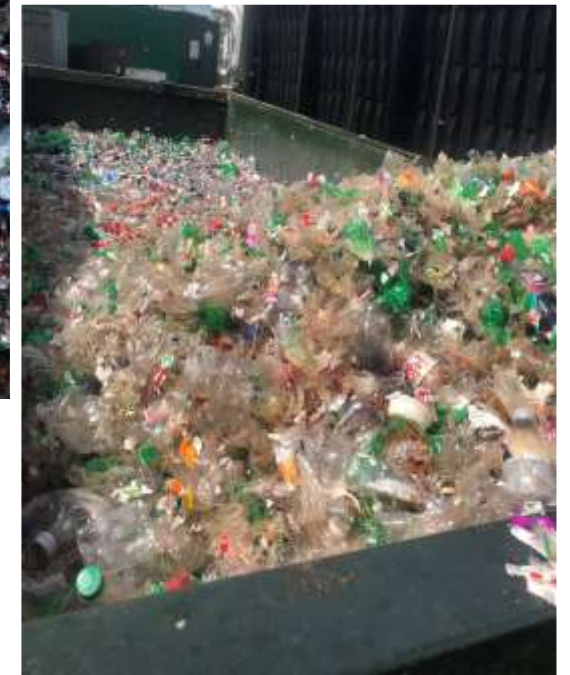
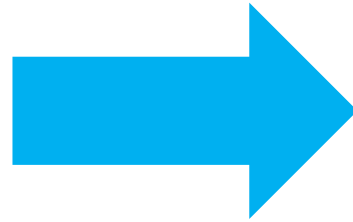
Biogas to CHP
1.2MW & 1MM BTU's

4

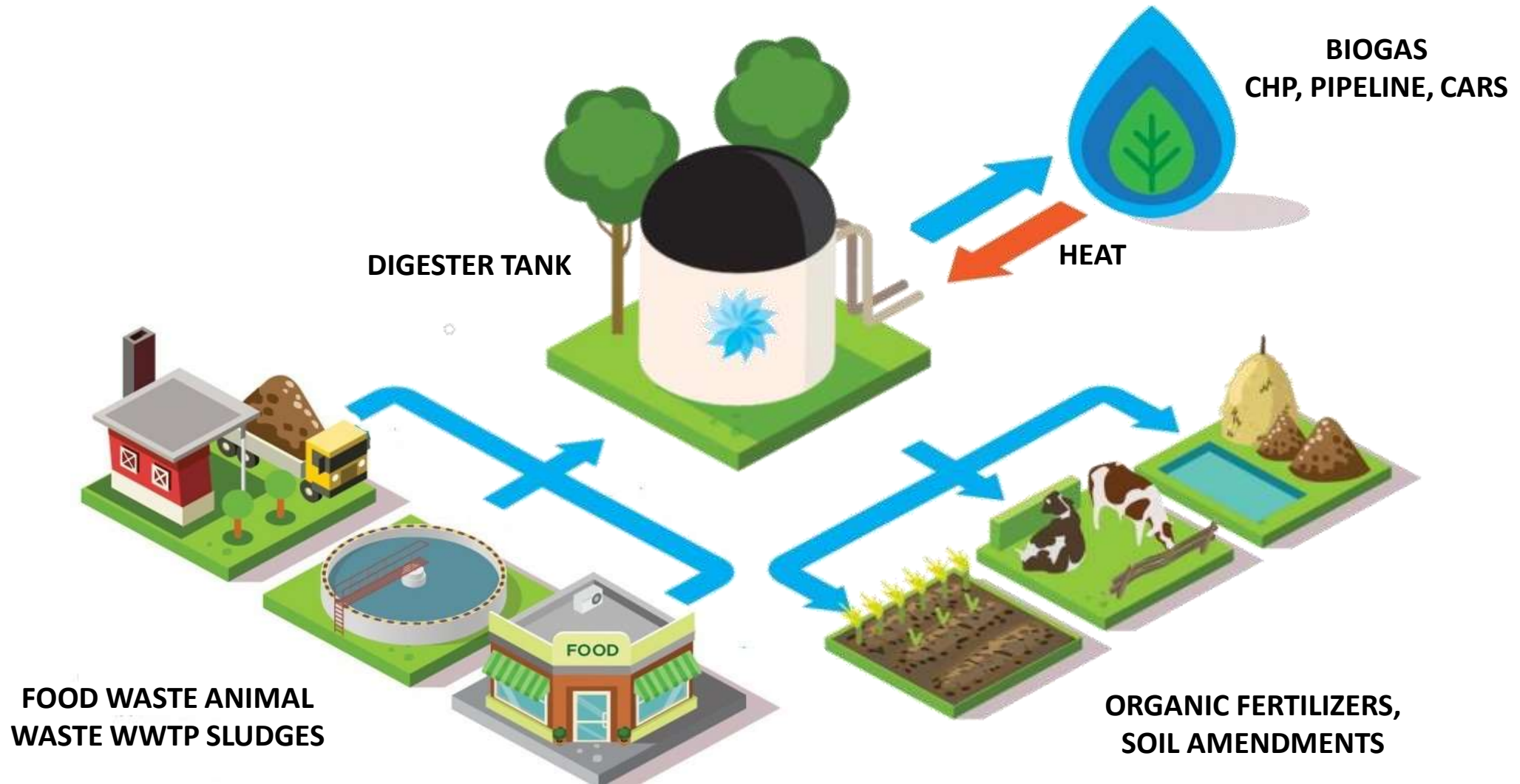


Solid & Liquid Organic Fertilizer

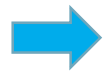
FOOD WASTE & RECYCLABLES RECOVERY



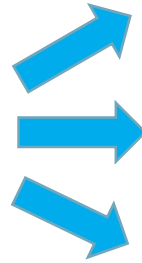
FUTURE OF AD IN NEW ENGLAND



WE MAKE ELECTRICITY FOR OUR COMMUNITY



EVERSOURCE



5 Beneficial Accounts in Southington



20 year agreement



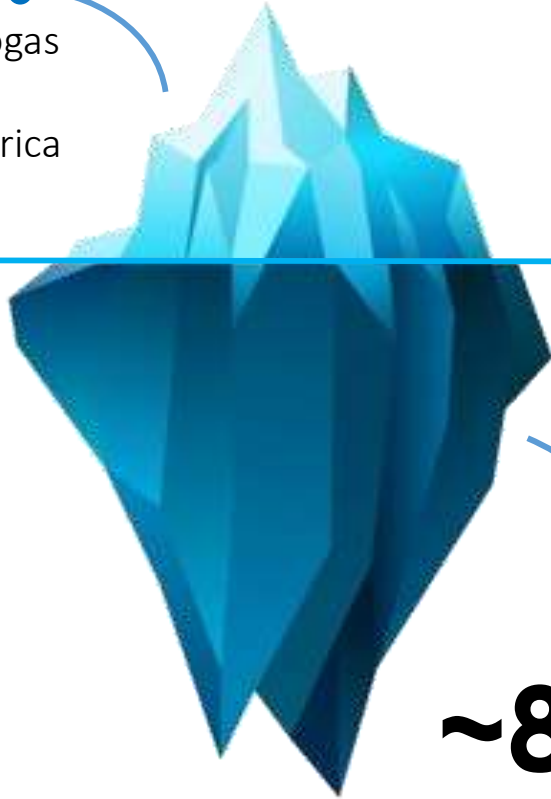
Average – 20% savings on annual utility bills

FUTURE OF AD IN NEW ENGLAND



249.

Existing biogas
Systems in
North America



~8,000

Potential biogas systems
in North America

THE FUTURE

- **AD at areas of high population density**
- **Collaborations with existing WtE firms**
- **Co-located at wastewater treatment plant facilities**
- **Renewable Natural Gas – decarbonized fuel**
- **Fertilizer**

ORGANIC SOILS



Organic Ingredients

N/P/K, digestate, L&Y Waste, char, soils, etc



Production Creation



- Pelletization
- Nutrient quality
- Grow ability / Agronomics

Sales/Marketing



Sales to Fertilizer company's who put their brand on the bag



AUGUSTA NATIONAL GOLF CLUB

Sales to end users who need specialty fertilizer blends

THANK YOU

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