



Food full circle.



INNOVATIVE & RELIABLE WASTE SOLUTIONS
FOR THE 21st CENTURY



- RENEWABLE ENERGY COMPANY USING AD TECHNOLOGY
- CO-LOCATED ON MAINE'S 2ND LARGEST DAIRY
- HOST DISPOSAL OUTLET FOR AGRI-CYCLE
- ACCEPTS VARIOUS FORMS OF ORGANIC WASTE
- CONVERTS ANIMAL & ORGANIC WASTE INTO ELECTRICITY



eae 
exeter agri-energy

 **AGRI-CYCLE** Food full circle.





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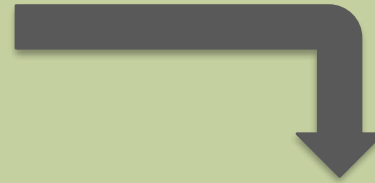
- ORGANIC WASTE SOLUTIONS COLLECTION COMPANY
- TRUCKING RESOURCES TRANSPORT A VARIETY OF ORGANIC WASTE
- SERVING CUSTOMERS THROUGHOUT ME, NH, VT, RI, MA, NY



THE PROCESS:



MANURE COLLECTED FROM COWS; OFF-FARM ORGANIC WASTE DELIVERED DAILY





THREE VESSELS:

2 = 400,000 GAL VESSELS
1 = 2.2 MM GALLON VESSEL

TOTAL PROCESSING:

- 3 MILLION GALLONS

- MANURE AND OFF-FARM WASTE COMBINED IN A 50%:50% RATIO
- COMINGLED IS MATERIAL HEATED TO AROUND 102°F AND HAS A RETENTION TIME FOR ABOUT 20 DAYS





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BIOGAS (60% METHANE,
40% CO₂) FUELS (3) 1,500
HORESPower ENGINES
THAT POWER (3) 1MW
GENERATORS – POWER IS
EXPORTED TO THE ISO NEW
ENGLAND GRID UNDER 20
YEAR PPA



- GENERATORS PRODUCES ENOUGH POWER TO HEAT AND POWER 1,600 HOMES ANNUALLY
- THE PROCESS CAPTURES METHANE AND HAS A CARBON OFF SET IN THE RANGE OF 6,000 PASSENGER CARD PER YEAR



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**ZERO
WASTE**



SOLID WASTE USED AS ANIMAL
BEDDING AND/OR COMPOST



LIQUID WASTE USED AS
CROPLAND FERTILIZER



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FOOD WASTE DEPACKAGING SYSTEM

- INSTALLED IN 2015, HAS A 98% RUN TIME
- ABILITY TO PROCESS UP TO 20 TONS/HOUR OF COMINGLED FOOD WASTE
- SECONDARY DEPACK INSTALLED JAN 2018
 - REDUCES WATER WEIGHT & FOOD RESIDUE ON PACKAGING RESIDUALS PRIOR TO DISPOSAL OF CONTAMINENTS AT ECOMAINE



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TRANSPORTATION FLEET



TRUCKING NETWORK THAT
INCLUDES COLLECTION
TRUCKS AND TOTES/BINS TO
MEET OUR CLIENT NEEDS



WE DISPOSE OF:

- PRE- & POST-CONSUMER FOOD WASTE
- SOURCE SEPARATED FOOD WASTE
- PACKAGED FOOD WASTE

WE SUPPLY:

- AFTER DEPACKING IS COMPLETE WE NOT ONLY USE THAT FOOD WASTE IN EXETER BUT SUPPLY OTHER DIGESTORS IN ME AND MA WITH CLEAN FOOD WASTE SLURRY



TRANSPORTATION FLEET



TRUCKING NETWORK THAT INCLUDES:

- VAC TANKERS / DUMP TRAILERS
- 53' BOX TRAILERS
- PACKER & RENDERING TRUCKS

OUR LONG-HAUL ROUTES CONSIST OF:

- LIQUID, SOLID, & SLURRY RESIDUALS
- FATS, OILS, & GREASES (FOG)





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VERMONT – FOOD WASTE RECYCLING

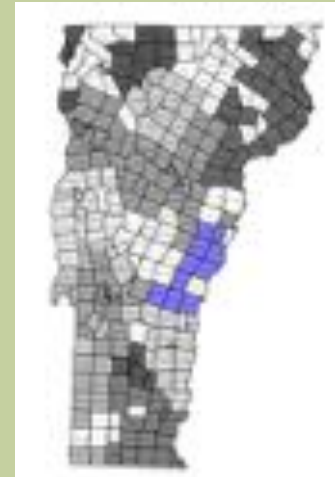
- PACKAGED FOOD WASTE - VT HANNAFORD LOCATIONS
 - SSO / PACKAGED FOOD WASTE / RENDERING – STREAM LINES SERVICE
- SUB-CONTRACTOR RELATIONSHIP WITH GROW COMPOST TO COLLECTED FOOD WASTE
 - PACKAGED FOOD WASTE ROUTES DEVELOPED AROUND HANNAFORD
 - OPPERTUNITY TO BRING ADDITIONAL FOOD WASTE RECYCLING OPTIONS TO GENERATORS IN VT





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- TRANSFER LOCATION IN SPRINGFEILD, VT WITH ALVA WASTE
- TRANSFER STATION DEVELOPMENT WITH GROW COMPOST & GUVSWMD IN NORTH HARTLAND
- SUB-CONTRACTOR RELATIONSHIP WITH CASELLA IN WHITE RIVER JUNCTION AREA
- AGRI-CYCLE PLANS TO WORK WITH THE STATE AND THE PRIVATE SECTOR TO DIVERT FOOD WASTE TO ANEROBIC DIGESTION SITES THE STATE OF VERMONT AS INFRASTRUCURE DEVELOPS





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THANK YOU!
