Rural Farmer & Commercial Composter Collaborations
Close the Loop!
Northeast Kingdom

Rural Regions
Micro Programs
Residential Drop Offs
On-Site Composting

‘Food Scrap Dense’ Regions
Dedicated Collection Routes
On-Farm Composters
Residential Drop Offs
Public / Private / Non-Profit Partnerships
Partnerships

Food/Food scraps: Schools, businesses, restaurants, ski resorts

Hauler: Transports food waste from business to composter

Farmer/Composter: Composts food waste and grows more food

Institutions, Community Gardens, Residents, Volunteers
Collection Route ~
20 Tons/Week

Custom-built watertight tailgate

DownEaster TRC Dump Trailer
6’x12’ bed, 48” sidewall
5 ton load capacity

Leclerc Industrial Lifters
hydraulic candy-cane tipper
capable of lifting 400lbs

Pressure relief valve moderates hydraulic pressure settings to accommodate both lifter and dump cylinder

8hp Honda gas-powered motor in lieu of truck electrical connection
Small Sites
Serving Dedicated Collection Programs
Capacity: 96 Cubic Yards Raw Compost/Batch (sized based on permitted capacity of 16 Tons/Week Food scraps and 5000 Yards/Year Total Organics)

96 Cubic Yards Raw Compost + Compost Capping Material

Roof Access Hatch

Above Ground Aeration Manifold

Mobile Blower & Controls Unit

Mobile Above Ground Aerated Static Pile System

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Kingdom View Compost
Lyndonville, VT

Technical Lead
James McSweeney

REVISIONS

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<th>MM/DD/YY</th>
<th>REMARKS</th>
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<tr>
<td>1 10/14/2015</td>
<td>DRAFT FOR REVIEW: CONFIGURATION MAY CHANGE</td>
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<td>2 11/12/2015</td>
<td>FINAL DESIGN FOR BUILD</td>
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Composting With Chickens & Worms
On-Site & One-to-One Composter / Generator Partnerships
1 in 5 teenagers will experiment with composting.

Answer me honestly, how long has there been a hot compost pile in the backyard?

Digging is a gateway to composting.

Composting is a radical act!

Grandma saw you taking a banana peel out of the garbage.

I found a worm bin under your bed. We need to talk.

Dirt under the fingernails, an earthy aroma, know the warning signs.
Residential Drop-Offs
Home Composting Trainings
Robust Composter & Generator Education & Technical Services
Future Capacity Is Identified:
Challenges:

– Breaking even isn’t enough to inspire investment.
  • Increase market & market value for compost
  • Increase tipping fees
– Existing infrastructure is crowded, which is slowing growth.
– Distance between generators reduces efficiency.
Local Partnerships & Identity

- Integrated Into Food System
- Diverse Scales & Methods
- Dispersed Infrastructure
- Resilient & Sustainable Growth