A CHANGING ROADMAP FOR FOOD SCRAP MANAGEMENT

CURRENT & PLANNED POLICIES, PROGRAMS, BARRIERS AND MORE AROUND THE NORTHEAST
CONNECTICUT’S
STATUS OF FOOD SCRAP MANAGEMENT

2015 Waste Characterization Study:
• 22.3% food waste (520,000 tons)
• 39.7% with compostable paper & yard waste added (927,000 tons)

Capacity - CT facilities list is growing and viewable on DEEP’s Interactive GIS Map
• 3 composting facilities operating (Danbury Ellington, New Milford)
• 4 AD facilities applications: 2 permits issued, 2 pending (Bridgeport 900tpd, Southington 480tpd, North Haven 400tpd, Southington 284tpd)

CT has a few small pilot projects and a comprehensive Food Waste Reduction and Recovery webpage
Applies to food wholesalers, distributors, manufacturers, processors, supermarkets, resorts & conference centers, THAT:

- Generate an average projected 104 tons/yr
- Within 20 miles of a SSOM processing facility
- Must source separate and ensure recycling “at any SSOM composting facility” that has available capacity to accept food scrap
- Generation threshold reduces to 52 tons/yr in 2020

More Information at:
- www.ct.gov/deep
- ww.ct.gov/deep/composting
- www.ct.gov/deep/recycle
DELAWARE

- AD Project UD Dining Hall 1,200 lbs. per day
- 12,074 tons Food Waste & FOG for CY 15
- Food Donations Churches and Food Bank
- Waste Characterization Report Road Map
MASSACHUSETTS

- COMMERCIAL ORGANICS BAN SINCE OCTOBER 2014
- AD CAPACITY GROWING
- PACKAGED/CONTAMINATED FOOD WASTE
- ECONOMIC IMPACT STUDY

MassDEP Commercial Food Waste Info:
FOOD SCRAPS MANAGEMENT IN MARYLAND

• Significant room for capacity growth
• Some local governments exploring food collection and composting
• Department looking to expand coordination and partnerships with farming community and large generators
• Food donation: mapping and matching projects
• Better data needed: statewide waste sort underway

Food Scraps Management, 2014

- Disposed: 12.7%
- Recycled: 87.3%

Photo: Maryland Environmental Service

Feed The Green Bin!
Sign up now and join your neighbors!

Visit FeedTheGreenBin.org or call 410-313-6444 to sign-up.

Maryland Food Recovery Summit

Photo: NERC NORTHEAST RECYCLING COUNCIL
Food Donation:
- 9 major food banks/ hundreds of partner distribution organizations
- Annually - 125M lbs. donated, over 801K food insecure people served (6.5% of PA population)

Estimated Commercial Food Scraps Composting/ AD Capacity:
- Composting – 27 permitted sites, 118,000 tons
- AD – 14 permitted sites, 136,000 tons
- Animal feed – 1 site/ hauler, ? tons

Growth Areas:
- AD is potential growth area - 35 farm digesters, only 14 permitted to take food scraps
- Municipalities (especially large urban centers, looking at dedicated facilities)
- Grind to energy

Facility Siting Issues:
- Not much current activity - perceived challenges with DEP permitting remains. Real challenges are with local approvals
Hauling of food scraps going in your state? Challenges?
- General permits issued for BioBins & animal feed hauling
- Distance from generator to management facility in rural areas (especially in northern tier)
- Achieving route density

What’s unique for your state – plans, regulatory, capacity, opportunities, barriers:
- Regulations over 30 years old (same regs. apply to landfills & compost sites)
- Potential to shift permitting focus from general permit to best management practices under permit-by-rule & approval under agricultural programs

Pilot projects:
- Fly larvae/ vermicomposting
- Urban compost sites
- Grind to Energy
RHODE ISLAND ROAD MAP FOR FOOD SCRAP MANAGEMENT

• ORBIT ENERGY INSTALLS HIGH SOLIDS ANAEROBIC DIGESTION FACILITY (HSAD)

• ANNUALLY 150,000 TONS OF ORGANIC WASTE IN OUR SW STREAM (ABOUT 15%)

• PROJECTED DIVERSION OF 50,000 TONS OF COMMERCIAL ORGANIC WASTE

RIRRC FOCUS ON ORGANIC WASTE

• COMPOSTING SITING REGULATION CHANGES

• BACK YARD COMPOSTING BINS
RHODE ISLAND ROAD MAP FOR
FOOD SCRAP MANAGEMENT

OTHER RI PROGRAMS

• EARTH CARE FARM
• THE WORM LADIES
• THE COMPOST PLANT
• FOOD TOO GOOD TO WASTE
VERMONT INFRASTRUCTURE PROFILE

- Food rescue centers (225+)
- Feed for animals (3+)
- Compost (8) & AD (2)
VERMONT’S NEED & CAPACITY

Need...
- 60,000+ tpy landfilled in 2013
- 44,000+ diverted by 2022
- Reduce & Rescue more
- Capital funding to initiate, or expand, collection & processing

Capacity...
- 1,000+ tons rescued
- ?+ tpy in animal feed
- 10,000 – 15,000+ tpy commercially composted
- 17 on-farm ADs in VT w/ capacity for ~28,500tpy
VERMONT’S PINCH POINTS

UPSTREAM:
- Reduction – tracking & measurement
- Rescue – Logistics & transportation
- Feed – Agency policy

DOWNSTREAM:
- Backyard composting – outreach, critters
- Commercial composting – funding, collection, carbon, contamination, markets
- Anaerobic digestion – funding, feedstock, permitting, pathogens, contamination
VERMONT REPORTS

✓ Analysis of the Potential to Raise Revenue by Imposing a Solid Waste Service Fee 2015
✓ Report to the Legislature: Solid Waste Infrastructure Advisory Committee 2015
✓ Systems Analysis of the Impact of Act 148 on Solid Waste Management in Vermont 2013
✓ Waste Composition Study 2013