



Municipal Food Diversion Initiatives

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West Hartford Municipal Food Diversion Initiatives

- School Organics Collection
- Residential Food Waste Test



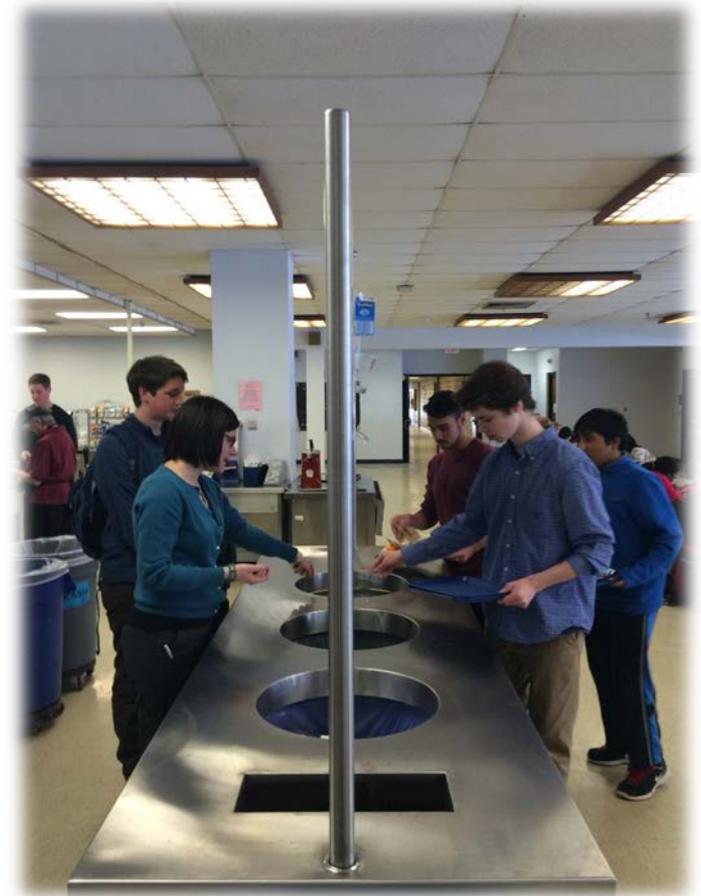
School Organics Collection Year 1

- CT DEEP CMMS- Increase Source Separation and Composting/Conversion of Food Scraps and Organics
- 4 schools in 2014-2015
 - Conard High School
 - Hall High School
 - Sedgwick Middle School
 - King Philip Middle School
- 4,800 Students
- Waste separators provided
- New signage introduced
- Students allowed to recycle compostables (paper, napkins)
- Agricultural compost solution
- 1 ton collected the first year



School Organics Collection Year 2

- Expanded to include 7 schools
 - Conard
 - Hall
 - Sedgwick
 - King Philp
 - Bristow
 - Duffy
 - Webster Hill
- 6,200 Students
- 8.8 tons collected in 2016



School Organic Collection Year 3

- Expanded to all schools (16 schools)
- Over 10,000 students
- New zero contamination policy
- Food Waste to anaerobic digestion plant
- Re-education

LEADING A RECYCLING REVOLUTION

What Can Be Digested?

Acceptable Forms of Food Waste

Thank you for choosing to recycle your food waste at Quantum's Anaerobic Digester Facility. Here's a look at what is acceptable, and not acceptable material at our recycling center:



Bread, Grains, Pasta



Coffee



Fruits & Vegetables



Fish



Fats, Oils, Greases



Desserts



Meat & Poultry



Liquid Wastes



Eggs, Cheese, Dairy

Inorganic materials such as food packaging, incidental cardboard, plastic bags, film plastics, plastic knives/forks, aluminum cans, containers, and other non-organic materials are considered contaminants.

Based on Connecticut's food waste separation guidelines, such inorganic materials are not to exceed 10% by volume per load of food waste material.

Our goal is ZERO contaminants present in our generated food waste.

All food waste materials are subject to screening by designated BOE staff to meet the quality control standards of our recycling facility.

Glass cannot be accepted at the recycling center, no exceptions.

We're turning food waste into energy



Waste Hierarchy



Residential Food Waste Process

- Letter sent to households asking for volunteers
- Informational session held
- 65 gallon containers provided
- Small totes offered to participants
- Initial feedback received
- 12.5 lbs. per household
- Challenges identified

FOOD WASTE IS THE LARGEST PART OF OUR WASTE STREAM AND THE LEAST RECYCLED.

EVERY YEAR
36,395,000
tons of food goes to waste in the U.S.

40,000
tons can be processed at our facility

PRODUCING
420,000ft³
of biogas
~147,000 gallons of Natural Gas equivalent energy

Offsetting 5,080 tons/yr of greenhouse gas emissions (CO₂) Or taking 1,073 cars off the roads each year Or powering 775 homes with clean energy for one year

QUANTUM BIOPOWER
QuantumBioPower.com

Leading a Recycling Revolution

And it starts with you.
Believe it or not, your food waste is the next source of renewable energy. We create clean, renewable energy with your food waste through the natural process of Anaerobic Digestion.

Connecticut has a goal of recovering 60% of our municipal solid waste, including organics from food waste, through waste reduction, reuse, recycling, and composting by 2024.

WASTE COLLECTION SCHEDULE
Begins: Thursday, October 5th
Ends: Thursday, January 5th
Carts must be out by 6:00 am.
We cannot provide for missed collections because we are using a special collection truck and disposal site we cannot provide for missed collections.

Partnership with: **COVANTA** **PAINES**

