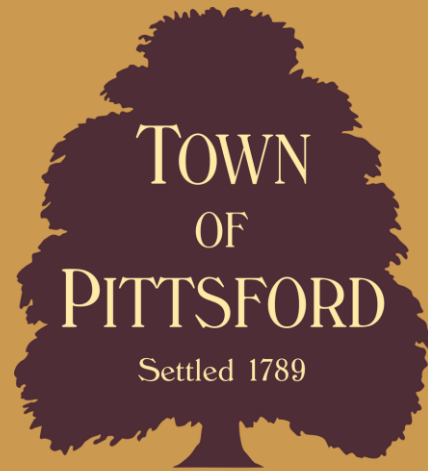


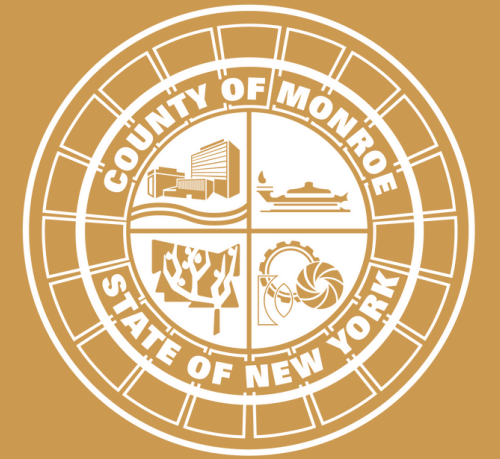
# Food Scraps Collection Pilot Program



**BILL SMITH**  
Town Supervisor

TOWN OF PITTSFORD  
MONROE COMMUNITY HOSPITAL  
MONROE COUNTY JAIL

AUGUST 7, 2023



**ADAM J. BELLO**  
COUNTY EXECUTIVE





# Why recycle food scraps?

## Regulatory Drivers:

- NYS Food Scraps Recycling Law  
Effective 1/1/2022 - Impacts Large Generators of  
Food Scraps (more than two tons/week)
- NYS Community Leadership Protection Act (CLCPA)  
Organics diversion is a component





# Why recycle food scraps?

## Local Drivers:

- Monroe County Climate Action Plan (CAP) Phase I –  
*"maximize diversion of organic waste from County facilities to disposal and beneficial reuse of organic material"*
- 2015 Local Solid Waste Management Plan –  
Program Strategy #7 – enhance promotion of residential options for organics/food waste diversion
- Monroe County Organics Management Plan –  
Grant from Climate Smart Communities (CSC) Program for development of organics management plan





# Evolution of the Pilot Program

**September  
2022**

- **Monroe County approves Phase I CAP – County Operations**

**Fall  
2022**

- **DES began reaching out to municipalities**

**Winter  
2022**

- **DES notified of CSC Grant for Organics Management Plan**

**Spring  
2023**

- **Town of Pittsford collaboration established**
- **Applied for NYSDEC grant to fund pilot**
- **Issued Request for Quotes for pilot**

**Summer  
2023**

- **Quotes received and awarded to Natural Upcycling**
- **Notification of NYSDEC grant award**
- **Seek Legislative approval of IMA**

# Goals of the Pilot Program

- Increase food waste diversion at County-owned facilities
- Divert food waste from landfill disposal
- Develop a working model for residential food scraps collection with a County/municipal partnership that can be easily replicated
- Provide proof of concept and identify solutions for implementing food waste diversion programs
- Data collected used in development of Organics Management Plan





# MCH & Jail

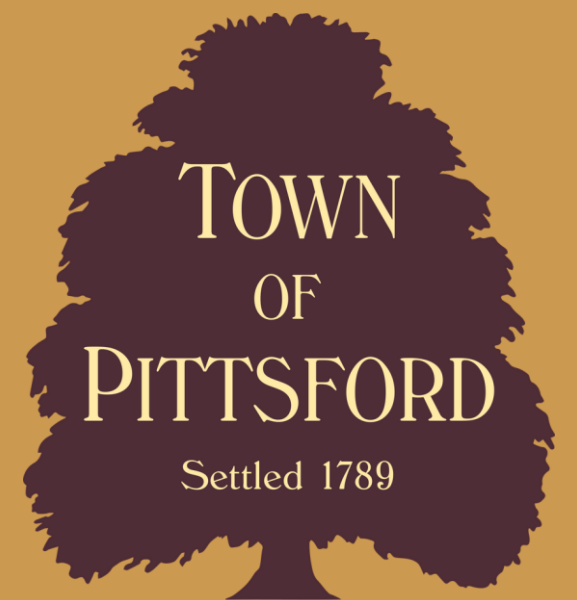


- Collections in both facilities support CAP Phase I GHG emissions reductions
- Collect pre-consumer food scraps from both kitchen facilities
- Pre-consumer only:
  - Jail does not have cafeteria
  - Both facilities lack staff to separate food scraps from waste



# Why Pittsford?

- Existing Yard / Organics Collection Programs
- Convenient Drop-Off Locations
- Environmental Initiatives / Awareness
- Town also has existing, ongoing Food Scraps collection in Spiegel Pittsford Community Center
- Population Density



# Town of Pittsford Pilot

## Monroe County

- Provide buckets, labelling and signage
- Pay contracted hauler for collection/transportation
- Develop educational materials

## Town of Pittsford

- Provide a maximum of two drop-off locations on Town property
- Administer pilot project to first 500 residents who register
- Promote and distribute materials (buckets and collateral)
- Secure and maintain public drop-off point at Pittsford Dog Park

## Pittsford Residents

- Register for program via Town website; secure bucket and educational materials
- Separate food scraps at home and place in buckets
- Take buckets to dog park and empty in totes starting September 18
- Scan provided QR code
- Answer five questions each time bucket is emptied



# Town of Pittsford Pilot

## Data Collection

Monroe County & Town of Pittsford  
Pilot Program Survey

Please complete this survey after each trip to the food scraps drop-off site for the duration of the pilot program.

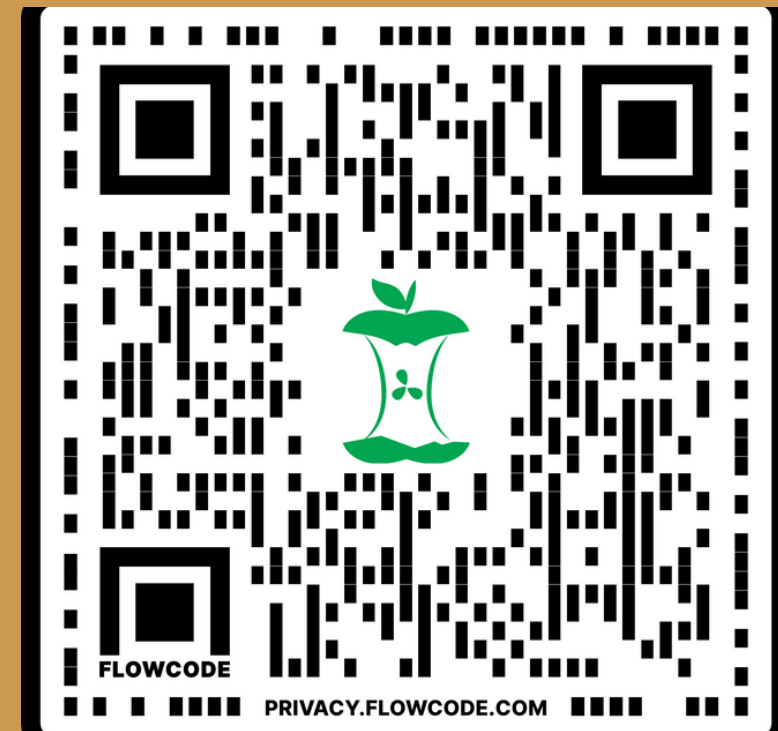
1. What is your first and last name?\*

2. What is your email?\*

3. What date did you use the drop-off?\*

4. How full was your bucket when you dropped off your food scraps?\*

5. Please provide any additional comments below.

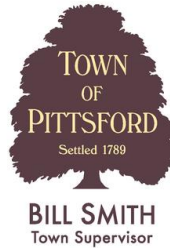


1. Name
2. Email
3. Date dropped off
4. How full was your bucket?  
1/4, 1/2, 3/4 or FULL
5. Additional Comments

Monroe County will receive monthly updates from Natural Upcycling based on the number of toters collected by location



# FOOD SCRAPS RECYCLING

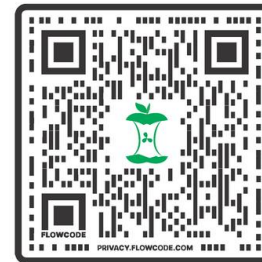
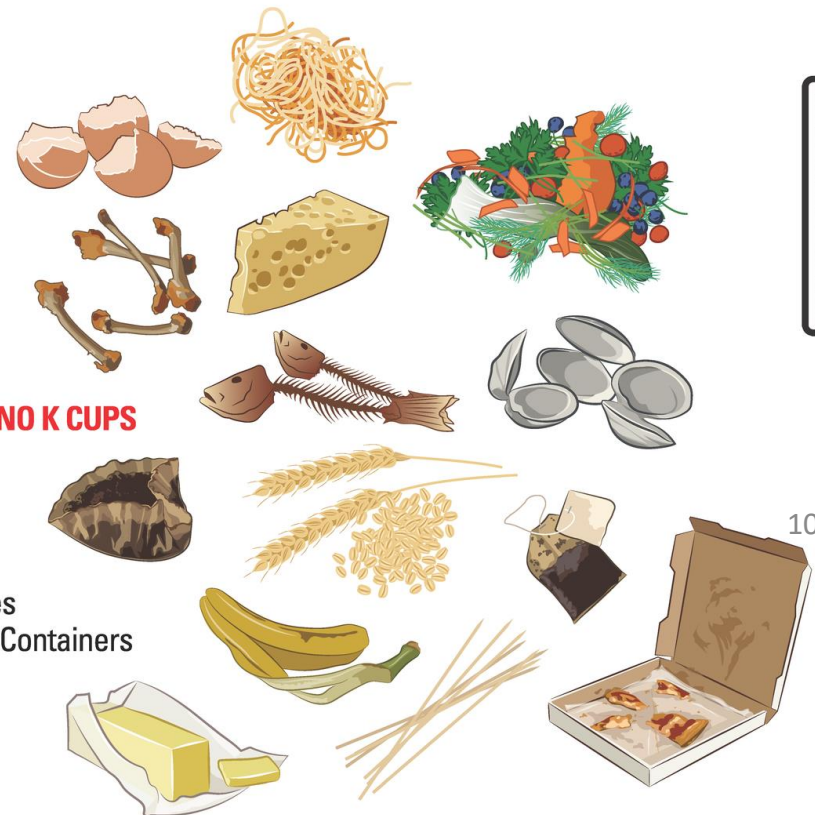


Adam J. Bello  
County Executive

Please scan the QR code each time you drop off scraps to help us track our progress!

## ACCEPTABLE

- Meat/Fish/Dairy
- Fruit/Vegetables
- Shells/Bones
- Pasta/Rice
- Eggshells/Nutshells
- Bread/Grains
- Leftovers
- Coffee Grounds/Filters - **NO K CUPS**
- Tea Bags
- Soiled Paper Bags
- Kitchen Paper Towels
- Paper Napkins
- Non-coated Paper Plates
- Approved Compostable Containers
- Plants/Flowers
- Jack-O-Lanterns



## NOT ACCEPTABLE

- Plastic Bags
- Plastic Film/Wrap
- Plastic-Coated Food Containers (i.e Milk Cartons, Ice Cream Containers)
- Styrofoam
- Cups (Any Type)
- Glass
- Metal
- Grease/Liquids
- Pet Waste
- Diapers
- K Cups
- Soil/Rocks
- Stumps/Branches
- Lumber/Fencing
- Yard Waste



[www.townofpittsford.org/food-scraps-recycling](http://www.townofpittsford.org/food-scraps-recycling)



36" X 60" sign for drop off area



# FOOD SCRAPS RECYCLING



**TOWN OF PITTSFORD**  
Settled 1789

**BILL SMITH**  
Town Supervisor



**Adam J. Bello**  
County Executive



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[www.townofpittsford.org/food-scraps-recycling](http://www.townofpittsford.org/food-scraps-recycling)

[www.monroecounty.gov/des-environmentalrecycling](http://www.monroecounty.gov/des-environmentalrecycling)




## FREQUENTLY ASKED QUESTIONS

**Q | What is the Pittsford Food Scraps Recycling program? Who can participate?**

**A | Beginning in Fall 2023, the Town of Pittsford and Monroe County will collaborate on a pilot program for the collection of residential food scraps as part of Monroe County's Local Solid Waste Management and Climate Action Plans. 500 pre-registered residents of the Town of Pittsford will be eligible to participate.**

**Q | What do participants need to do?**

**A | Participants need to collect appropriate items from their home (as listed on the supplied Acceptable Items list) in the provided five-gallon bucket and empty these contents into the orange toter at the Town's Dog Park on a regular basis. This site is open daily during daylight hours. Each time residents drop-off, they are asked to scan a QR code (found on the label of their bucket and at the drop-off site) and answer a few questions. This information will help guide future Monroe County programs.**



**IMPORTANT: Please be mindful about following ALL guidelines for acceptable materials. Unacceptable items contaminate the food scraps, and if found on a regular basis will lead to the cancellation of the program.**

**Q | Where does the material go? What happens to it?**

**A | Food scraps will be transported regularly by Natural Upcycling to an anaerobic digester – an airtight chamber that uses bacteria to "digest" (break down) the food scraps, which then give off biogas. The gas is used to generate electricity, which is sold back to the grid.**



**Q | My bucket is dirty, what can I do?**

**A |**

- Empty your bucket on a regular schedule to prevent odors.
- Rinse your bucket at home after emptying it.
- Line your bucket. Untied BioBag® biodegradable bags or layered paper bags are acceptable.
- Try freezing your food scraps between trips to reduce odors (use an empty bread bag or other temporary storage).

**MORE QUESTIONS?**  
email: [MCDES@monroecounty.gov](mailto:MCDES@monroecounty.gov)

**REGISTRATION**  
[www.townofpittsford.org/food-scraps-recycling](http://www.townofpittsford.org/food-scraps-recycling)

Printed on recycled paper

# FOOD SCRAPS RECYCLING



Please scan the QR code each time you drop off scraps to help us track our progress!



**TOWN OF PITTSFORD**  
Settled 1789

**BILL SMITH**  
Town Supervisor





**Adam J. Bello**  
County Executive

Front/Back of Info Card  
(Front also made into sticker for top of bucket)

Front of Bucket Label with QR code



# Evaluation of the Pilot Program

September 2023 through September 2024

## Data Analysis:

- Amounts of waste diverted
- Resident Participation
- Contamination
- Challenges
- Resident Feedback
- Vendor Performance
- GHG Analysis

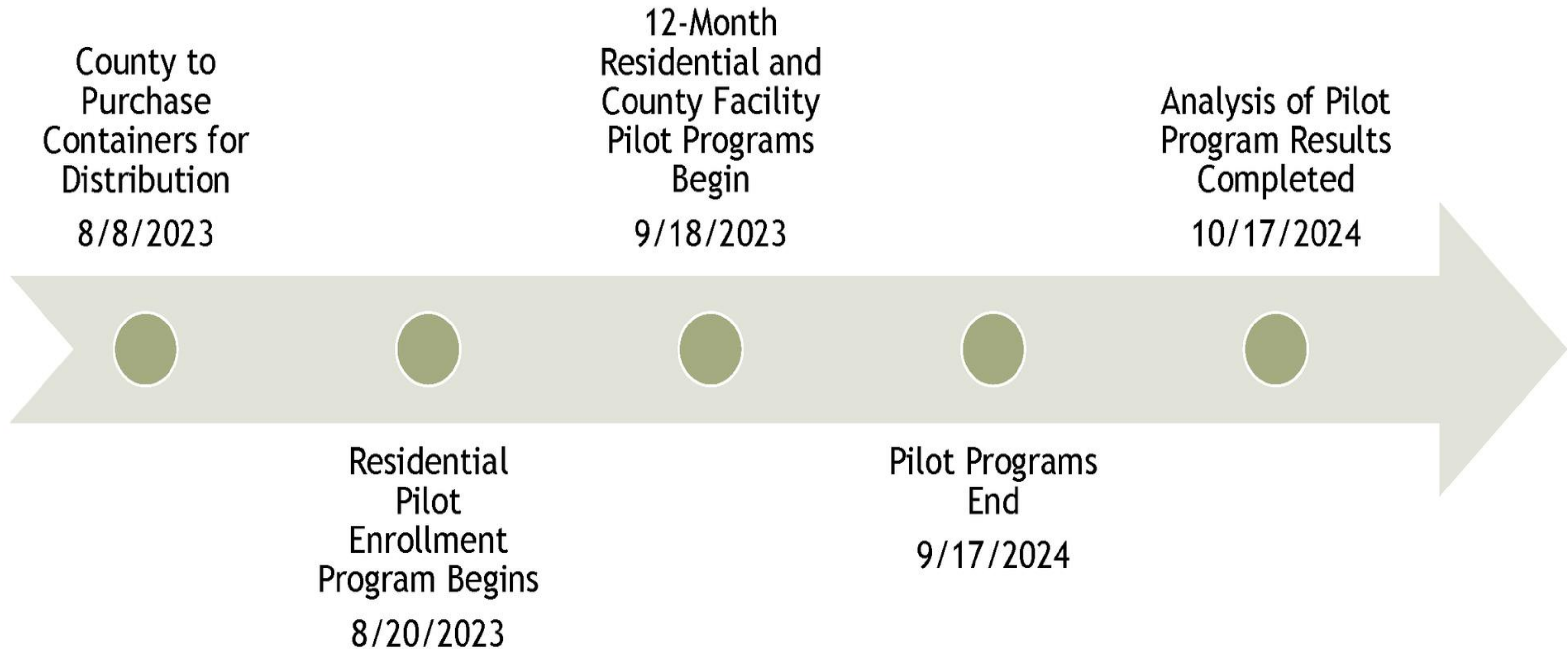
## Possible outcomes:

- Expansion of the program
- Renewal of the program
- Sunset of the program
- Pilot with another municipality





# Pilot Program Timeline





# Why Natural Upcycling?

## Selected following County Procurement Procedures

- County contacted seven (7) companies – three (3) provided quotes
- Natural Upcycling was lowest estimated cost

### Natural Upcycling:

- Provide approx. fifteen (15) 64-gallon totes for food scrap collection
- Transports scraps from totes at Jail (2), MCH (5) and Pittsford (8) 1-2x/week to its anaerobic digester in trucks dedicated to servicing Monroe County
- Digester is DEC authorized facility at Noblehurst Farms
- Collects 250 totes/8 tons material daily in Monroe County
- Works with other municipalities on similar pilots (Cities of Buffalo and Canandaigua)
- Natural Upcycling handles approximately 60 million pounds of pre-consumer food waste from Wegmans yearly





# What is Anaerobic Digestion?

- Anaerobic Digestion (AD) is a process that uses bacteria to break down organic matter in the absence of oxygen
- Food scraps combined with manure to be co-digested in an anaerobic digester at Noblehurst Farms
- Residual from the AD process:
  - Liquid: drained and applied to farmland  
Contains moisture, fertilizer and nutrients
  - Solid: Material heated to eliminate pathogens, run through compres; used for cow bedding
- Passed through a screen to remove non-compatible materials
- Resulting gas is used to generate electricity and sent to the grid (0.5 mW)





# Pilot Program Budget

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Cost</u>	<u>Grant Funds</u>	<u>Match Funds</u>
Residential collection buckets	550	EA	\$8.30	\$4,565.00	\$3,423.75	\$1,141.25
Residential educational materials printing	1	LS	\$380.00	\$380.00	\$285.00	\$95.00
Residential educational materials development	34	Hr	\$125.00	\$4,250.00	\$3,187.50	\$1,062.50
One year contract with organics hauler (Natural Upcycling)	1	LS	\$15,805.00	\$15,805.00	\$11,853.75	\$3,951.25
<b>TOTAL COST \$</b>				<b>\$25,000</b>	<b>\$18,750.00</b>	<b>\$6,250.00</b>



# Questions?



**FOOD SCRAPS RECYCLING**

TOWN OF PITTSFORD  
BILL SMITH  
Town Supervisor

Adam J. Bello  
County Executive

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**FOOD SCRAPS RECYCLING**

Please scan the QR code each time you drop off scraps to help us track our progress!

NEW YORK STATE Department of Environmental Conservation

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[www.monroecounty.gov/des-environmentalrecycling](http://www.monroecounty.gov/des-environmentalrecycling)

The infographic features a central brown bucket with a white label that says 'FOOD SCRAPS RECYCLING' and 'Please scan the QR code each time you drop off scraps to help us track our progress!'. Surrounding the bucket are various food items: spaghetti, cheese, wheat stalks, a pizza box, a banana, a slice of butter, a shell, a fish skeleton, chopsticks, and an egg. Logos for the Town of Pittsford and Monroe County Executive Adam J. Bello are also present.