



## NYC's smarter, greener, cleaner solution

**Food makes up about 25 percent of New York City's waste stream.  
We're transforming that waste into clean, renewable energy.**

Waste Management of New York (WMNY), in cooperation with the NYC Department of Environmental Protection (DEP) and the Department of Sanitation (DSNY), is proud to develop the city's first food waste recycling facility, a cost-effective alternative for turning food waste into renewable energy.

### THE CORE<sub>®</sub> PROCESS

Waste Management's patented CORE<sub>®</sub> process is an innovative solution that recycles pre- and post-consumer food wastes into EBS<sub>®</sub>, an organic slurry product used to generate renewable green energy. The CORE<sub>®</sub> process converts food waste into a high-quality organic feedstock used for co-digestion in municipal anaerobic digesters.

At full scale CORE<sub>®</sub> will produce enough EBS<sub>®</sub> product for conversion to energy to heat nearly 3,900 New York City homes and reduce annual greenhouse gas emissions by more than 90,000 metric tons – the equivalent of removing over 19,000 cars from the road.

CORE<sub>®</sub> is a significant step in New York City's sustainability goals of:

- 1) recycling organic waste
- 2) increasing the use of renewable energy

### HOW CORE<sub>®</sub> EMPOWERS NYC TO BE GREEN

Details about the WM NYC CORE<sub>®</sub>  
*Newtown Creek Co-Digestion Project*

WMNY operates a waste food recycling facility within its existing Varick Avenue Transfer Station solid waste transfer premises in Brooklyn. At this site, organic waste is processed into EBS<sub>®</sub> using our proprietary CORE<sub>®</sub> process.

The EBS<sub>®</sub> is delivered to the NYC DEP's Newtown Creek waste water treatment plant. It's added to the plant's anaerobic digestion system to increase the production of methane delivered to the natural gas distribution system.

Over the next three years, NYC CORE<sub>®</sub> will ramp up to process 250 tons of food waste per day.

### LOCATION

WM NYC CORE<sub>®</sub>  
215 Varick Avenue  
Brooklyn, NY 11237  
718 533 5266

### CONTACT

organicsNYC@wm.com  
800 963 4776

### HOURS OF OPERATION

Monday – Friday: 24 hours  
Saturday: 12:00 a.m. – 6:00 p.m.



# HOW IT WORKS

"WASTE-GAS-TO-GRID" PROJECT



- 1 Organics are separated from other materials at the source
- 2 Collection vehicles gather organics from households and businesses

Incoming food waste is tipped from collection vehicles within the enclosed transfer station

Food waste is loaded into the CORE<sub>®</sub> system's hopper/conveyor

Food waste is conveyed into a bioseparator, which separates organic and inorganic waste

Food waste is liquefied within the bioseparator to produce a fluidized feedstock

The feedstock is pumped into the WM proprietary process to produce EBS<sub>®</sub>



- 8 The EBS<sub>®</sub> is transported via tanker truck to the waste water treatment plant

EBS<sub>®</sub> is added to anaerobic digesters to increase biogas production

Biogas is collected and used in the plant's boilers for building and process needs



DEP and National Grid have partnered to transfer renewable digester biogas to the natural gas grid

## Acceptable Materials



**Produce**  
*Fruits and Vegetables*



**Meats & Seafood**  
*All cooked and raw meat products, including fish, beef and chicken*



**Dairy**  
*Milk, yogurt, ice cream and cheese*



**Bakery & Dry Goods**  
*Pasta, rice, bread and cereal*



**Food & Beverage Processing Liquid**  
*Expired beverages and organic manufacturing liquids*

## Incidentally Acceptable Materials



**Food-Soiled Paper**  
*Napkins and paper food containers*



**Food-Soiled Cardboard**



**Bones and Shells**  
*Incidental items with food waste, not rendering and commercial shelling*



**Plastic**

## Unacceptable Materials



**Glass**



**Floral & Yard Waste**



**Metal**

## Product Destruction & Depackaging



**Packaged Food Products**  
*Accepted on a case-by-case basis, approval required*