







GETTING TO ZERO WASTE RESOURCE GUIDE





OCTOBER 2018

@UNIONSQUARENY #USQZEROWASTE #ZEROWASTE





UNION SQUARE PARTNERSHIP

INTRODUCTION

Keeping Union Square's streets, park, and public spaces clean and beautiful has been a core role for the Union Square Partnership since we were established over forty years ago. We are undertaking initiatives to reduce waste and improve recycling in our district's public spaces. However, realizing the City's ambitious goal of sending zero waste to landfill by 2030 will require everyone to take action.

Earlier this year, the Union Square Partnership launched a series of efforts to build a more sustainable future for the Union Square-14th Street neighborhood. As part of our sustainability initiatives, we are committed to supporting our local businesses and property owners in their own efforts to improve waste reduction, recycling, composting, and more.

The **Union Square Partnership's Zero Waste Resource Guide** catalogs over thirty service providers, City agencies, and free resources that work with businesses and nonprofits across sectors to improve waste diversion. Solutions included in this guide range from composting pick-up and sustainability-focused waste haulers to packaging solutions and specialized materials disposal. While by no means comprehensive, we hope that this Guide will serve as a helpful place to start as you explore which solutions may best address the waste challenges your organization is facing.

Thank you to all the organizations who provided information on their services and solutions. We will update this Guide on a periodic basis. If you would like your organization to be included in future iterations, please email info@unionsquarenyc.org. We look forward to supporting your efforts to achieve zero waste in your restaurants, offices, operations, and buildings!







The Union Square Partnership works to ensure the community's continued growth and success by providing public safety, sanitation, economic <u>development, and marketing services, and by investing in the beautification of Union Square</u> Park. For more information, visit unionsquarenyc.org.

Organization Overview Services Contact training@32bjfunds.com The 32BJ Training Fund is a joint labor-management partnership that offers training to 32BJ Training eligible participants at no cost. The fund is supported by contributions negotiated between 888-284-3225 Fund 32BJ SEIU and participating employers. Our mission is to train every participant to grow to training.32bjfunds.org/ the next level. We want to continually raise the standards of our industry by providing 32BJ en-us/newyorkhome.aspx members with the tools they need to meet the challenges of a changing industry. Customers served: Commercial offices, Non-food retail, Food service/hospitality BioHiTech Global (NASDAQ: BHTG) provides food service operators with a cost-effective **BioHiTech** Geraldine Smith Global solution for food waste disposal using a proven environmentally favorable pathway gsmith@biohitech.com (University of Delaware Lifecycle Assessment of BioHiTech Digester for Food Waste 917-613-6227 bighitech Management: August 1, 2018). Our on-site aerobic digestion technology addresses food biohitech.com waste at the point of generation, reducing pest infestation and eliminating costly pickup and landfill disposal, while complying with DSNY regulations. Our equipment & cloud-based weighting technology provides the data and the solution food service operators need as NYC heads towards its goal of zero waste by 2030. Customers served: Commercial offices, Food service/hospitality, Institutions Cafeteria Cafeteria Culture [CafCu] is an environmental education and advocacy organization, working Debby Lee Cohen creatively to achieve zero-waste schools, climate smart communities, and plastic free waters. DL@cafeteriaculture.org Culture We foster youth-led solutions on critical sustainability issues by merging citizen science and 917-282-0253 civic action with video production and the arts. Our students, overwhelmingly from lowcafeteriaculture.org income communities of color, are providing an urgently needed voice in NYC's environmental movement. Customers served: Institutions



Waste Recycling/Carting Services



Waste Audit/Consulting/Regulatory Compliance



Education/Technology Solutions







Construction & Demolition Waste Collection/Processing Food Waste Prevention/Recovery







Organization Overview Contact Services **Carpet Cycle** Our mission at CarpetCycle is a simple one: find uses for post-consumer carpet and divert info@carpetcycle.com a valuable non-degradable/renewable resource from landfills. Since our inception, in 1999, 973-732-4858 we've propelled this mission by providing services to safely remove, collect and recycle carpetcycle.com commercial and residential carpet and post-consumer building materials (including; ceiling tiles, gypsum wallboard, fluorescent lights and VCT floor tile). CarpetCycle's newest venture Quiet-Tech is a recycled acoustic insulation product made of 85-90% recycled carpet, cotton, and PET fibers. It is designed and manufactured in New Jersey (within 10 miles of New York City). Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions Celeste McMickle Celestial Celestial Solutions offers zero waste consulting and support. Whether you are a small business, corporation, or individual, Celeste can work with you to come up with strategies to celeste@celestial.solutions Solutions help you save money while reducing your environmental impact. As an experienced project 646-416-0181 manager, Celeste can target benchmarks to success and assemble a team however big or www.celestial.solutions small to ensure your vision is carried out. With a varied background in architecture, green building, waste reduction, composting, and permaculture, Celeste can help you achieve your qoals. Customers served: Commercial offices, Non-food retail, Institutions Outdoor storage is our specialty. CITIBIN waste enclosures sort recyclables and conceal Liz Picarazzi **CITIBIN** trash, while adding curb appeal. Created as a durable and attractive alternative to lowliz@citibin.com grade outdoor enclosures on the market, CITIBIN is made of aluminum and recycled bamboo 347-549-4121 composite, and offers a five-year warranty. citibin.com Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions



Waste Recycling/Carting Services



Waste Audit/Consulting/Regulatory Compliance



Education/Technology Solutions



> Textile Recycling



Bin/Infrastructure



Services Organization Overview Contact City Harvest helped start the food rescue movement in 1982 when a group of New Yorkers **City Harvest** fooddonations@cityharsaw that New York City had an abundance of excess food even while a large number of its vest.org residents struggled to feed themselves and their families. Today, City Harvest is New York 646-412-0758 City's largest food rescue organization, helping to feed the more than 1.2 million New Yorkers cityharvest.org who are struggling to put meals on their tables. We deliver rescued food, free of charge, to cityharvest.ora hundreds of food pantries, soup kitchens and other community partners across the five boroughs. Customers served: Food service/hospitality, Institutions Commit to Green™ manufactures compostable products. It was founded on the belief that Commit to Shien-ru Tsao smart designs that are effectively applied to the right medium can raise environmental srt@committogreen.com Green awareness in our communities. Our unique products help educate consumers on the 646-490-6330 importance of responsible waste management that greens our garbage and keeps our committogreen.com landfills' growth in check. COMMIT TO GREEN Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions Common Ground Compost develops composting, recycling, and waste reduction systems for Meredith Danberg-Ficarelli Common businesses, ranging from hotels and office buildings to small cafes and residential buildings. meredith@com-Ground We audit waste, train staff, design custom signage, help procure waste infrastructure, mongroundcompost.com Compost develop standard operating procedures, assist with commercial waste hauling negotiations 929-229-5810 and contracts, and more. commongroundcompost.



Waste Recycling/Carting Services



Waste Audit/Consulting/Regulatory Compliance



Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions

Education/Technology Solutions



com









| Organization | Overview | Contact | Services |
|--|--|---|---|
| Cooper Recycling | Cooper Recycling operates the largest construction and demolition debris recycling facility in NYC, with capacity to process 2,000 tons per day and recycle 95% of incoming material to beneficial end uses. Cooper Recycling is the only facility in NY that is certified by the Recycling Certification Institute. We provide LEED reporting services and are the only facility in NYC that qualifies projects for a bonus LEED point under LEED v4. Cooper Recycling has been operating in Brooklyn since 1986 and is a privately held, woman-owned, family-operated business with MWBE certification from NYC. Customers served: Commercial offices, Institutions | Ray Kvedaras rkvedaras@coopertank. com 718-384-7727 coopertankrecycling.com | |
| Department of Sanitation (DSNY) sanitation | The NYC Department of Sanitation is the world's largest sanitation department. DSNY collects more than 10,500 tons of residential and institutional garbage and 1,760 tons of the recyclables each day. While efficiently managing solid waste and clearing litter or snow from 6,300 miles of streets, the Department is also a leader in environmentalism, committing to sending zero waste to landfills by 2030. The Commercial Programs Team provides information on the commercial rules that all NYC businesses must follow. Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions | The Commercial Programs Team commercialprograms@ dsny.nyc.gov nyc.gov/dsny | |
| | | | • |
| EcoRich LLC ECORICH | EcoRich Elite II food waste composters are self-contained on-site aerobic digesters that use bacterium, heat and fresh air in a controlled environment to compost food waste at the source, transforming it into a nutrient-rich soil amendment in just 24 hours. EcoRich offers 20 lb to 2500 lb per day machines and it has over 200 units currently working around the world and 7 in the USA. EcoRich offers solution for local governments, schools, colleges, hospitals and the restaurant and catering sector. Our machines are a proven to reduce the cost, disposal, transport, and environmental problems presented by food waste. | Manish Desai manish.desai@ecorichenv. com 973-453-1263 ecorichenv.com | |
| | Customers served: Food service/hospitality, Institutions | | |



Waste Recycling/Carting Services



✓ Waste Audit/Consulting/Regulatory Compliance











6









Organization Overview Contact Services EcoSafe offers complete "turn-key" solutions for the collection of Organics and Recyclables **EcoSafe Zero** info@ecosafezerowaste. in commercial, institutional, and residential environments. Utilizing simple but effective Waste com tools, our Support Reps ensure our clients have the support they require to make recycling ecosafezerowaste.com easy and efficient for employees, employers and their customers. The programs are cost effective, comply with local regulations and designed to support local processors. EcoSafe systems have proven to greatly reduce contamination in both the Organics and Recycling streams that result in higher rates of diversion and lower costs. Customized signage and outreach materials, supported with an online Resource Center and mobile APP, help quide our customers and their staff through every step in the process. Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions FABSCRAP is a nonprofit rethinking textile waste, providing pickup of unwanted fabrics Anne Keating **FABSCRAP** from NYC businesses and engaging the local creative community in reuse. Recycling and annie@fabscrap.org reuse service is provided to clothing brands, fashion designers, costumer designers, interior 929-276-3188 designers, cutting rooms, tailors, and any other businesses creating textile waste. Fabric fabscrap.org scraps can be purchased on our website or at pop-up sales. Customers served: Commercial offices. Non-food retail. Institutions The Food Bank's mission is to end hunger by organizing food, information and support for https://www.foodbanknyc. **Food Bank For** community survival, empowerment, and dignity. Food Bank For New York City has been org/contact-us/ **New York City** working to end food poverty in our five boroughs for 35 years. As the city's largest hunger-212-566-7855 relief organization, we employ a multifaceted approach centered on helping low-income New foodbanknyc.org Yorkers overcome their circumstances and achieve greater independence. Customers served: Commercial offices, Food service/hospitality, Institutions



Waste Recycling/Carting Services



Waste Audit/Consulting/Regulatory Compliance



Education/Technology Solutions











Organization Overview Contact Services Food Waste Experts provides consulting services implementing cutting edge sustainable **Food Waste** Marvin solutions to universities, colleges, schools, hotels, nursing homes, corporate cafeterias, info@foodwastexperts.com **Experts** hospitals, supermarkets, prisons, among other organizations. Our expert consultants will 212-729-0757 solve your operation's food waste problems. Implement our onsite solutions and save foodwastexperts.com money while helping to divert food waste from landfills, and therefore reducing the levels of greenhouse gas emissions. We understand each site is different, with its own nuances and challenges, and therefore we select the ideal solution that is customized to each site's needs. Customers served: Commercial offices, Food service/hospitality, Institutions Foodprint Group helps food and hospitality operations design Zero Waste into their buildings **Foodprint** christina@foodprintgroup. and people processes. By reducing waste and improving recycling, we help clients meet Group com regulatory requirements, save money and achieve corporate sustainability goals. We offer foodprintgroup.com customized waste reduction and recycling programs, waste assessments, hauler selection and support, environmentally preferred purchasing support, carbon and cost analysis, and evaluation of onsite technologies. Customers served: Commercial offices, Food service/hospitality, Institutions Great Forest is a leader in sustainable waste management, having pioneered some of Joe Romuno **Great Forest.** the first corporate sustainability programs in the country. We are backed by 30 years of iromuno@greatforest.com Inc. experience, industry knowledge and relationships. Great Forest works with clients nationwide 212-779-4757 to achieve Zero Waste. Our customized programs manage waste and recycling for small areatforest.com **Great Forest** or large organizations, in one or multiple locations across portfolios, including nationwide corporate chains. Great Forest's core expertise in sustainable waste management solutions is supported by a comprehensive range of additional services that work that work symbiotically to support all sustainability goals. Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions Waste Recycling/Carting Services Waste Audit/Consulting/Regulatory Compliance Textile Recycling Education/Technology Solutions

Construction & Demolition Waste Collection/Processing Food Waste Prevention/Recovery

Organization Overview Contact Services LeanPath is the leading global provider of integrated hardware and software solutions for LeanPath Steven Finn culinary institutions. Our vision is to ensure a sustainable future by eliminating global food sfinn@leanpath.com Lean Path waste, and our mission is to make food waste prevention and measurement everyday practice 215-208-5416 in the world's kitchens. As we know, what organizations measure, they manage. Our high-tech leanpath.com products, coupled with our coaching process, address the high amount/cost of food waste in culinary organizations, especially with the front-line kitchen workers. By consistently tracking all food waste transactions with LeanPath products, we empower organizations to measure and analyze their food waste - and then make the necessary operational changes to not only reduce it, but to prevent it in the future. Customers served: Food service/hospitality, Institutions The LES Ecology Center has pioneered community-based urban sustainability programs since Christine Datz-Romero LES Ecology 1987, and offers e-waste and composting services, environmental stewardship opportunities christine@ Center and educational programming. We offer opportunities to all New Yorkers to learn abbut lesecologycenter.org LES environmental issues and play an active role in creating a healthier and greener New York City. 212-477-4022 Ecology lesecologycenter.org Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions Manhattan The Manhattan Solid Waste Advisory Board [MSWAB] is a volunteer citizens' advisory board, manhattanswab1@gmail. $| \checkmark |$ Solid Waste comprised of the waste management industry, consultants, sustainability professionals, and concerned citizens, appointed by the Manhattan Borough President's Office, dedicated to manhattanswab.org **Advisory Board** helping NYC achieve its zero waste goals. We advise the Manhattan Borough President, City (MSWAB) Council, City Administration and others on policies and programs regarding the development, promotion and operation of the City's waste prevention, reuse and recycling programs. We produce the NYC Community Composting Grant and the NYC Reuse and Repair Grant, hold monthly meetings, provide information online about waste reduction and diversion in NYC, and have a number of active committees, all of which are open to the public. Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions Waste Recycling/Carting Services Waste Audit/Consulting/Regulatory Compliance





Education/Technology Solutions













| Organization | Overview | Contact | Services |
|---|--|---|----------|
| The Materials Center The MATERIALS Center | The Materials Center is a community resource that houses a large collection of "found" materials, gathered and donated by NYC residents and businesses. These materials are objects from our everyday lives that are often discarded, but could be repurposed or transformed into something new, encouraging creativity, problem solving, and action. To enhance and enrich children's learning, creative expression, and symbolic development. The Materials Center is run by Teaching Beyond the Square, a donateNYC partner organization that works to divert waste from landfills, by recycling, re-purposing, re-using or redistributing items. Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions | Wendy Gelsanliter Wendy@TeachingBe- yondtheSquare.org 212-460-5901 teachingbeyondthesquare. org/the-materials-center/ | |
| Mr. T Carting MR. T CARTING Compost. Recycling. And All That's Left. | Mr. T Carting Corporation is a family owned and operated private recycling and waste management business servicing commercial and residential customers in NYC. We've been keeping NYC clean since 1947. Our vision is to raise the standard of excellence in the recycling and waste management industry, provide solutions that exceed expectations, benefit our customers, and protect the environment. We have thrived through commitment to innovation, safety and our core values. We don't just haul trash that adds to landfills. We're environmentally conscious and technologically inclined, with our own recycling, sorting, processing and vehicle maintenance facilities. Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions | Adam Mitchell amitchell@mrtcarting.com 718-303-3278 mrtcarting.com | |
| NYC Business Integrity Commission | BIC is both a law enforcement and regulatory agency, responsible for regulating the trade waste industry and the City's public wholesale markets, among other things. BIC's mission includes the elimination of organized crime and other forms of corruption and criminality from those industries, ensuring that the businesses licensed or registered in those industries and their owners and employees possess good character, honesty and integrity, and maintaining an open and competitive environment in which the regulated businesses operate. Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions | Salvador Arrona SArrona@bic.nyc.gov 212-437-0523 www1.nyc.gov/site/bic/in- dex.page | |

Organization Overview

Contact

Services

Reclaimed **Organics**



Reclaimed Organics is a bike-powered compost collection program operating in Manhattan. We service small food businesses, cafes, offices, and commercial office buildings through a set of services that include onsite collection services during regular M-F business hours, staff training and education, assistance renegotiating commercial waste hauling bills, and consulting services related to waste management operations in commercial buildings.

Gwen Ossenfort Gwen@reclaimedorganics. orq 347-395-6377 ReclaimedOrganics.org





Customers served: Commercial offices, Non-food retail, Food service/hospitality

Recycle Track **Systems**



RTS is changing the way companies manage waste and recycling by combining technology with high-touch service to make disposal easier, smarter and more responsible. From ondemand removal to fully integrated waste management solutions, RTS helps clients easily track and optimize their pickups. Using data insight, RTS empowers customers with visibility into their waste habits and tangible figures on their climate impact to improve their waste and recycling practices.

Shannon Bergstrom shannon@rts.com 646-876-4895 rts.com













Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions, Stadium and event venues

ReFED



ReFED is a nonprofit committed to reducing food waste in the United States with a vision to increase economic opportunity, food access, and environmental sustainability. In 2016, ReFED published the Roadmap to Reduce U.S. Food Waste by 20% highlighting 27 costeffective and scalable solutions. Since then, ReFED published industry-specific Food Waste Action Guides and is focused on accelerating solutions through multistakeholder initiatives as well as capital & innovation programs.

Angel Veza angel.veza@refed.com 270-300-0223 refed.com



Customers served: Food service/hospitality



Waste Recycling/Carting Services



Waste Audit/Consulting/Regulatory Compliance



Education/Technology Solutions







Composting Collection/Processing



Construction & Demolition Waste Collection/Processing Food Waste Prevention/Recovery









| Organization | Overview | Contact | Services |
|--|--|--|----------|
| Rescuing Leftover Cuisine | We aim to become the world's most widely used solution for companies and individuals to eliminate food waste in their communities, making food rescue sustainable and universal, and food hunger a thing of the past. Working together, we can ensure that only hunger is left behind! Customers served: Commercial offices, Food service/hospitality, Institutions | Clara Son clara@rescuingleftovercui- sine.org 646-592-2229 rescuingleftovercuisine.org | |
| RoHo Compost ROHO COMPOST FOOD WASTE SOLUTIONS | RoHo is a food waste nonprofit focusing on diverting food waste from landfills through composting and food recovery. In 2017, RoHo diverted over 1.1 million pounds for composting and donated over 7,000lbs of edible food for donation. Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions | Alireza Vaziri rohocompost@gmail.com 347-835-1163 rohocompost.org | |
| Sims Municipal Recycling SIMS MUNICIPAL RECYCLING | Sims Municipal Recycling (SMR) provides processing for 100% of New York City's curbside Metal Glass Plastic (MGP) recycling system. As a business of Sims Metal Management, SMR processes and markets more than 200,000 tons of plastic, glass and metal that New Yorkers put into recycling bins each year. Through an on-site Recycling Education Center, Sims offers daily tour programs focused on the recycling process, including brand teams focused on packaging concerns. | Sam Silver sam.silver@simsmm.com 347-391-3051 simsmunicipal.com | |
| | Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions, Residential | | |
| Think Zero LLC Think ZERC | Think Zero LLC is a waste reduction, diversion, and zero waste consulting firm specializing in helping corporations and real estate owners and developers reach their waste reduction goals and meet or exceed all commercial waste-related laws. | Ushma Pandya Mehta ushma@thinkzero.com thinkzerollc.com | |
| | Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions | | |

Composting Collection/Processing Construction & Demolition Waste Collection/Processing Food Waste Prevention/Recovery

| Organization | Overview | Contact | Service |
|---|--|---|---------|
| Transfernation | Transfernation is an on-demand food donation system. Our technology allows food donors to request instant pickups for extra, untouched food to be delivered to a local feeding program. Our app is available for iOS. | Hannah Dehradunwala hannah.dehradunwala@ transfernation.org transfernation.org | |
| | Customers served: Commercial offices, Food service/hospitality | | |
| Vokashi VOKASHI the ecc-living composit service | Vokashi is a Brooklyn-based organization that provides urban-friendly composting options, using an adaptation of the Japanese "bokashi" composting practice where food waste is fermented in an airtight container. Clean buckets with fermentation media are delivered to small businesses and residences by Vokashi. Collected bucket-fermented food waste is then processed in community gardens and public green spaces. | Vandra Thorburn 718-623-2515 vokashi.com | |
| | Customers served: Commercial offices, Non-food retail, Food service/hospitality, Institutions, Residential | | |
| WeHatetoWaste | Global platform for sharing stories about reducing waste. NYC info in detail. | Jacquelyn Ottman jaottman@greenmarketing. | |
| wehate towaste .com | Customers served: Commercial offices, Non-food retail, Food service/hospitality | com 212-879-4160 wehatetowaste.com/ nyc-zero-waste-resources/ | |
| WeRadiate we radiate | WeRadiate is on the forefront with data tracking to ensure regulatory compliance for compost quality assurance. WeRadiate strives to assist municipalities and communities to harness technology and build stronger closed-loop ecosystems and economies. | Sashti Balasundaram Sashti@WeRadiate.com WeRadiate.com | |
| | Customers served: Institutions, Compost sites & Compost operators | | |

BEST PRACTICE GUIDES





KAB Guide to Workplace Recycling





Zero Waste Food Events





AIA Zero Waste Design Guidelines











TRUE Zero Waste Certifiation













@UNIONSQUARENY #USQZEROWASTE #ZEROWASTE



For more info, contact Monica Munn Director of Economic Development

Union Square Partnership 4 Irving Place, Room 751 New York, NY 10003 info@unionsquarenyc.org



UNION SQUARE PARTNERSHIP