	References for Organic Resource Locator Data			
Category Data Source	Last Accessed	Estimated Waste Source		
List of permitted CAFOs obtained from NYSDEC [5]. Number of animals (N _A) based upon 2012 annual NYSDEC compliance reports [5].				

Food I	Processors	Reference USA database [10] query performed with the following criteria: - NAICS 311, 312 - New York State - > 5 employees - \$1M + in annual revenue Data was refined via phone and internet contact.	August 2013	Not provided on an individual firm level.
Retail		Reference USA database [10] query performed with the following criteria: - Primary NAICS keywords: Supermarkets or convenience stores or grocery stores - Walmart and Target stores with 445110 in any NAICS - New York State - > 5 employees - \$1M + in annual revenue Data was reviewed for duplicates.	November 2014	Supermarkets & convenience stores: estimated food waste/year = N_E * 2000 kg/employee-yr [11], [12] Big box stores: estimated food waste/year = N_E * 250 kg/ employee-yr [11] Where: N_E = number of employees
Institutions	Nursing Homes	Geographic information and number of beds (N _B) obtained from NYS Department of Health [13].	August 2013	estimated food waste/year = N_B * 140 kg/bed-yr [12] Where: N_B = number of beds
lns	Colleges & Universities	Geographic information and enrollment (N₅) obtained from the NYS Education Department; Office of	January 2014	Residential: estimated food waste/year = N _S *25 kg/student-yr [15]

		Research and Information Systems (ORIS) [14].		Non-residential/ community: estimated food waste/year = $N_s * 5$ kg/student-yr [16] Where: N_s = number of students
	Hospitals	Hospital addresses and number of beds (N _B) obtained from NYS Department of Health [13].	2014	estimated food waste/year = N_B * 140 kg/bed-year [12] Where: N_B = number of beds
	Correctional Facilities	Facility name and address as well as number of inmates obtained via Freedom of Information Law (FOIL) request. NYS Department of corrections and Community Supervision (NYSDOCCS) [17].	February 2013	estimated food waste/year = N _I × 100 kg/inmate/year [18]
	Military Bases	Location and population information obtained from http://militarybases.com/new-york/	November 2014	Waste estimates not currently provided.
Restaurants		Reference USA database [10] query performed with the following criteria: - primary NAICS 722511 - New York State - > 5 employees - > \$1 M annual revenue Dataset was reviewed for duplicates.	November 2014	Restaurants (Full Service): estimated food waste/year = N_E*1500 kg/employee/yr [12] Restaurants (Fast Food): estimated food waste/year = N_E*1500 kg/employee/yr [12] Where: N_E = number of full time employees equivalents

Food Banks	Location information from the Feeding America website [19].	2014	Estimated volumes of food distributed annually obtained through personal communications and survey responses [20].
Anaerobic Digesters	On-farm digesters: Obtained via maps on NYSERDA [21], Environmental Protection Agency AgSTAR [22], and Cornell Dairy Environmental Systems websites [23]. Publically Owned Treatment Works (POTW) digesters: List of POTW that use anaerobic digestion obtained from the American Biogas Council (ABC) [24]. Other: AD facilities requiring registration of permitting as solid waste management facilities was obtained via a FOIL request to the NYSDEC [25].	August 2013	N/A
BUDs (Beneficial Use Determinates)	List of BUD classifications obtained from NYSDEC via Freedom of Information Law (FOIL) request [26].	2014	N/A

Event Venues & Resorts	Reference USA database [10] query performed with the following criteria: - Primary NAICS 711219, 711212, 711310, 712, 713110, 713910, 713920, 713950, 721 - New York State - > 10 employees - > \$1 M annual revenue Dataset was reviewed for duplicates.	2015	Entertainment: estimated food waste/year = 850 kg/employee-yr [12]. Hotels, motels, lodging, etc: estimated food waste/year = 2100 kg/employee-yr [11], [12]. Where: N _E = number of employees
Grease Trap Waste Acceptors	A list of permitted GTW acceptors in NY State was obtained via a FOIL request to NYSDEC. [27]	November 2013	N/A
Compost Sites	Primary facility information obtained through NYSDEC compliance reports [28] and supplemented with data provided in Planning Units Recycling Reports [29] and online maps of compost facilities [30], [31]. Compost facilities located at correctional facilities obtained from NYDOCCS [18].	2014	N/A

- [1] New York State Department of Environmental Conservation, "Beneficial Use Determinations (BUDs)." December 2015, http://www.dec.ny.gov/chemical/8821.html
- [2] United States Environmental Protection Agency, "Advancing Sustainable Materials Management: Facts and Figures." December 2015, http://www.epa.gov/wastes/nonhaz/municipal/pubs/msw_2010_rev_factsheet.pdf
- [3] Gunders, Dana. "Wasted: How America is Losing Up to 40 Percent of Its Food from Farm to Fork to Landfill." National Resource Defense Council Issue Paper. IP: 12-06-B. (2012): 4. http://www.nrdc.org/food/files/wasted-food-ip.pdf . Web. November 2015.
- [4] United States Environmental Protection Agency, "Overview of Greenhouse Gasses." January 2016. http://www3.epa.gov/climatechange/ghgemissions/gases/ch4.html
- [5] NYS Department of Environmental Conservation, Freedom of Information Law (FOIL) request and 2012 SPDES compliance reports.
- [6] American Society of Agricultural Engineers (ASAE), "Manure Production and Characteristics," Standard D384.2, March 2005.
- [7] American Society of Agricultural Engineers, ASAE STANDARDS 2000; http://www.cals.ncsu.edu/an_sci/extension/animal/4hyouth/sheep/sheepfacts.htm
- [8] The Ohio State University, College of Food, Agriculture, and Environmental Sciences. "Ohioline." http://ohioline.osu.edu/b804/804 3.html:108lbs/100 birds/day
- [9] Food and Agriculture Organization of the United Nations; www.fao.org/docrep/field/003/ac526e/AC526E04.htm
- [10] Infogroup, Inc., ReferenceUSA database. http://www.referenceusa.com/Home/Home
- [11] Calrecycles, Targeted Statewide Waste Characterization Study: Waste Disposal and Diversion Findings for Selected Industry Groups, Prepared by Cascadia, June 2006, http://www.calrecycle.ca.gov/Publications/Documents/Disposal/34106006.pdf
- [12] Calrecyles, 2014 Generator-Based Characterization of Commercial Sector Disposal and Diversion in California, Prepared by Cascadia, September 10, 2015, http://www.calrecycle.ca.gov/Publications/Documents/1543/20151543.pdf
- [13] NY State Department of Health, Adult Care Facility Annual Bed Census Data: 2011, accessed August 30, 2013, http://www.health.ny.gov/facilities/adult_care/
- [14] NY State Education Department (NYSED) Office of Reporting and Information Services (ORIS), enrollment report, all schools, http://eservices.nysed.gov/orisre/mainservlet 2012 accessed Jan 2014
- [15] Ebner, J., Win, S.S., Hedge, S., Vadney, S., Williamson, A., and Trabold, T., "Estimating Biogas potential of Colleges and Universities", Preceedings ASME Sustainable Energy Conference, 2014.
- [16] Connecticut Department of Environmental Protection, "Identifying, quantifying, and mapping food residuals from Connecticut businesses and institutions," prepared by Draper/Lennon and Atlantic Geoscience Corp., September 2001.
- [17] Freedom of Information Law (FOIL) request, NY State Department of Corrections and Community Supervision, http://www.doccs.ny.gov/faclist.html , Web. Feb 2013.

- [18] New York Department of Corrections and Community Supervision (NYDOCCS), "NYDOCCS Compost Operations", provided via email from Tim Bender, Director of Resource Management, Correctional Program services, April 24, 2014
- [19] Feeding America, http://feedingamerica.org/foodbank-results.aspx?state=NY, August 30, 2013
- [20] Paper survey responses (2013), online survey responses (2014) and personal communications, 2013-2014.
- [21] New York State Energy Research and Development Authority (NYSERDA), DG Integrated Data System, http://chp.nyserda.ny.gov/facilities/index.cfm, August 30, 2013.
- [22] United States Environmental Protection Agency (USEPA), livestock anaerobic digester database, http://www.epa.gov/agstar/livestock-anaerobic-digester-database, 2015.
- [23] Cornell University College of Agricultural and Life Sciences, New York State Anaerobic Digester Locations, http://www.manuremanagement.cornell.edu/
- [24] American Biogas Council (ABC), https://www.americanbiogascouncil.org/biogas maps.asp
- [25] Freedom of Information Law (FOIL) request to the New York State Department of Environmental Conservation (NYSDEC) for Anaerobic Digester Facilities with Organics Recycling Facility permits.
- [26] Freedom of Information Law (FOIL) request to the New York State Department of Environmental Conservation (NYSDEC) for list of all Beneficial Use Determinations.
- [27] Freedom of Information Law (FOIL) request to the New York State Department of Environmental Conservation (NYSDEC) for facilities permitted to accept grease trap waste, communication had with Chris Glander, NYSDEC.
- [28] Freedom of Information Law (FOIL) request to the New York State Department of Environmental Conservation (NYSDEC) for permitted Organics Recycling Facilities.
- [29] New York State Department of Environmental Conservation (NYSDEC), "2013 NYS Local Planning Unit Recycling Reports", provided by Gary Feinland (NYSDEC) via email.
- [30] BioCycle: The Authoritative Voice of the Composting Industry, Find a Composter, http://www.findacomposter.com/.
- [31] Cornell Waste Management Institute, NYS compost Facilities Map (and surrounding states), http://compost.css.cornell.edu/maps.html.