

SUMMARY MATRIX--FOUR CASE STUDIES OF WASTE TO ENERGY FACILITIES

	OLMSTED COUNTY	MARION COUNTY	WESTCHESTER COUNTY	PALM BEACH COUNTY
LOCATION				
FACILITY NAME	Olmsted Waste to Energy Facility (OWEF)	Waste to Energy Facility (WTEF)	Wheelabrator Westchester	North County Resource Recovery Facility
CITY	Rochester	Brooks	Peekskill	West Palm Beach
STATE	Minnesota	Oregon	New York	Florida
POPULATION SERVED	141,000	318,000	956,000	1.3 million
BASIC DATA				
START UP DATE	1987	1986	1984	1989
TYPE OF PROCESS	Mass Burn	Mass Burn	Mass Burn	RDF
TONS PER YEAR COMBUSTED	59,500	183,000	700,000	605,000
OWNER	County	Covanta Energy	Wheelabrator	Solid Waste Authority
OPERATOR	County	Covanta Energy	Wheelabrator	Babcock & Wilcox Power Generation Group
LENGTH OF CONTRACT	Not Applicable	20 years	10 years	20 years
CONTRACT START AND END DATE	Not Applicable	1994-2014	2009-2019	2009 - 2029
PERCENT PLASTICS OF ENERGY VALUE	25%	23%	35%	31%
NUMBER OF FTE EMPLOYEES	37	38	66	220
ENERGY RECOVERED				
ENERGY PRODUCT	Electricity and Steam	Electricity	Electricity	Electricity
MWHS OR MLBS OF STEAM	13,000 and steam	86,154	412,000	378,500
HOMES SERVICED EQUIVALENTS	20,000	7800	41,000	40,000
BARRELS OF CRUDE OIL DISPLACED	70,369	51,000	243,000	226,000
ENERGY RECOGNIZED AS RENEWABLE	Yes	Yes	No	Yes
CAN RENEWABLE ENERGY CREDITS BE TAKEN	Yes	Yes with limits	None	Legislation being debated
NET GHG REDUCTION (Metric Tons Carbon Equivalent)	24,800	28,240	248,000	178,151
CARS TAKEN OFF THE ROAD EQUIVALENT	17,000	18,965	166,500	119,642
RECYCLING				
RECYCLING RATE IN COUNTY	40%	50%	41%	30%
PERCENT PLASTICS IN RECYCLED STREAM	1.6%	2.2%	4.2%	2.0%
FERROUS METALS RECOVERED AT PLANT	None	4200	17,000	30,000
NON-FERROUS METALS RECOVERED AT PLANT	None	None	None	4000
WASTE STREAM				
TOTAL TONS	163,000	508,000	1,200,000	1.5 million
PERCENT RECYCLED	40%	50%	41%	30%
PERCENT COMBUSTED	37%	36%	46%	40%
PERCENT LANDFILLED	23%	13%	13%	30%
INSTITUTIONAL ISSUES				
WHY PLANT BUILT	Conserve Landfill Space	County Landfill Closed	Federal Court Order	Landfills Closed
LEVEL OF INITIAL OPPOSITION	Low to None	High	Low to Moderate	Moderate
LEVEL OF OPPOSITION DURING OPERATIONS	Low to None	Low to Moderate	Low	None
OTHER ISSUES OF INTEREST	Expanding facility. Adding a third boiler	Only WTE plant in Oregon	Renewed agreement with Wheelabrator	Building 2nd 3000 tpd plant. Operational 2015.