Bedford, NY Municipal Operations Energy

	2004		2012		2017		*Change from 2004 to 2017*	
	MMBTu	Total CO2e	MMBTu	Total CO2e	MMBTu	Total CO2e	Difference MMBTu	Difference MTCO2e
TOTAL BUILDINGS	5,526	471	4,843	356	6,140	389	(614)	82
TOTAL WATER	2,461	303	2,441	199	4,687	287	(2,226)	16
TOTAL RECREATION	874	105	1,363	111	1,582	100	(708)	5
TOTAL STREET/TRAFFIC/OUTDOOR LTG	2,117	260	1,798	221	1,875	116	242	144
TOTAL COMMUNICATIONS	12	2	22	2	77	10	(65)	(8)
TOTAL STATIONARY ENERGY	10,990	1,140	10,468	889	14,362	901	(3,372)	239
VEHICLE FUEL	14,349	1,045	9,926	722	10,939	801	3,410	244
TOTAL MUNICIPAL ENERGY	25,339	2,185	20,394	1,611	25,301	1,702	38	484
							0%	22%
Goal 2030		437.01				1,264		

Souces:
2004 and 2012 MMBTU and MTCO2e are from past reports.
2017 MMBTU and MTCO2e is from Municpal Energy Data provided by B2020.
2012 Street/Traffic/Outdoor lightning numbers reflect the proxy calculation which approximated the 2012 numbers based on yearly reductions from 2004 to 2012.

eGRID 2016 466.5 lbs CO2e p combined factor
NYUP NPCC Upstate NY 295.9 lbs CO2e per MWh
NPCC NYC/Westchester 637.1 lbs CO2e per MWh
https://www.epa.gov/sites/production/files/2018-02/documents/egrid2016_summarytables.pdf

2018 Emission Factors for GHG inventories
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf
Motor Gasoline 8.78 kg CO2 per gallon
Diesel 10.21 kg CO2 per gallon

Gas and Diesel - MMBTu
https://www.eia.gov/energyexplained/index.php?page=about_energy_units
1 gallon of finished gasoline (Btu) 120,429 0.125 MMBTU

1 gallon of diesel fuel (Btu) 138,500 0.138 MMBTU

Conversions
(kWh) / 1,000 kWh to MWh
1,062.9 (lbs CO2e per MWh) / 2,204.62 (pounds per MT) lbs to MTCO2e