

EAc6: Emissions Reduction Reporting

EMISSIONS REDUCTION MEASURES- Sample

The following chart identifies emissions reduction measures that have been taken at 123 First Street. These initiatives include energy efficiency measures, use of on-site renewable energy and purchase of renewable energy credits. The combination of these initiatives contributes toward an overall reduction in emissions at 123 First Street.

INITIATIVE	ESTIMATED/MEASURED ENERGY REDUCTION PER YEAR (kWh, Btu or gallons)	ESTIMATED/MEASURED GHG REDUCTION** (Metric tons CO2e)	NOTES* (DETAILS, COST, ETC.)
Lighting retrofit	6,272 kWh	5.21 MtCO2e	Replacement of all T-12 bulbs with T-8s. Upgrade cost \$2,500
Occupancy Sensors	72 kWh	0.06 MtCO2e	Occupancy sensors installed in all public restrooms and open office workspaces. Cost of installation was \$3,000
Cooling Tower Upgrades	1,451 kWh	1.21 MtCO2e	Replacement of pumps and VFDs with upfront cost of \$300,000
Photovoltaic Panels	4,000 kWh	3.32 MtCO2e	PV panels were installed on the existing building roof
Renewable Energy Credits	12,000 kWh	10.3 MtCO2e	RECs were purchased to offset a minor percentage of the buildings annual energy usage
TOTAL	23,795 kWh	20.1 MtCO2e	

* Estimated savings based on a blended rate of \$.080 per kWh

** GHG emissions based on a factor of 0.000831 Metric Tons (Mt) of CO2-equivalent per kWh (source: EPA Portfolio Manager Account)