



CITY OF ELMHURST
209 NORTH YORK STREET
ELMHURST, ILLINOIS 60126-2759
 (630) 530-3000
 www.elmhurst.org

STEVEN M. MORLEY
 MAYOR
PATTY SPENCER
 CITY CLERK
ELAINE LIBOVICZ
 CITY TREASURER
JAMES A. GRABOWSKI
 CITY MANAGER

April 8, 2019

TO: Chairman Levin, and Members of the Public Affairs and Safety Committee

From: Emily Egan, Assistant City Planner

RE: The 2018 Data Related to the City of Elmhurst’s Sustainability Action Plan

Background

The City of Elmhurst adopted a Sustainability Action Plan in March 2018. The Plan describes the importance of data collection and emphasizes metrics and tracking results. Therefore, staff has started collecting relevant data as a way to measure progress and track the long term efficacy of the Plan. The seven indices below relate to Focus Areas and Goals identified in the Sustainability Action Plan and reflect the data available to the City of Elmhurst.

Index 1) BioDiesel Fuel and Propane – Relates to Focus Area 2, Goal 4

Biodiesel provides a lifecycle reduction in greenhouse gas emissions of 76.4% relative to average 2005 petroleum diesel fuel. The City of Elmhurst uses B20 biodiesel (20% biodiesel) and the total fuel usage was 62,586 in 2018. The table below identifies the percent and pounds of emission reductions resulting from the biodiesel mix.

Average Change	PM	HC	CO	NOx	SO2	CO2
Percent Reductions	-11.99	-20.06	-12.30	Not statistically different	-20.00	-15.28
Pounds of emission reductions	-80.14	-105.03	-889.76	0.00	-55.20	-235,348.9

The City’s Public Works Department used 5,430.2 gallons of propane in 2018.

Index 2) Power Consumed for EV Chargers – Relates to Focus Area 2, Goal 2

The total electrical power used at three of the City's electric vehicle charging stations in 2018 was 15,911 kWh. The offset gas savings was 1,996 gallons of gasoline.

Index 3) Prescription Drug Recycling – Relates to Focus Area 1, Goal 2 & Focus Area 4, Goal 3

The 2018 Prescription Drug Take-Back Day resulted in 419 lbs of unwanted prescription drugs being collected by the Police Department. The dropbox in the Police Department lobby collected and 609 lbs, for a total of 1,028 lbs of unwanted drugs safely collected in 2018.

Index 4) E Waste – Relates to Focus Area 1, Goal 2 & Goal 4

City Hall recycled approximately 8,576 lbs of e-waste in 2018 and 34 toner cartridges.

The City partnered with DuPage County on a one day e-waste recycling event for the public and collected approximately 13,000 pounds with 168 vehicle visits (145 from Elmhurst). The City agreed to begin co-hosting these e-waste recycling events quarterly in 2019.

Index 5) Energy and ComEd- Relates to Focus Area 3, Goal 1 & 2

The City of Elmhurst had a total of 84 residents that completed a Home Energy Assessment in 2018, and they are saving an estimated cumulative 178,260 kWh per year (or over \$23K per year) with the products installed during those assessments.

ComEd reported that there have been 14 energy efficiency assessments completed or scheduled in 2017 and 2018 in the public and non-residential sectors. There were five audits for public sector facilities and nine for commercial or industrial customers.

The Community Development Department reported 28 solar panel permits issued in 2018.

Index 6) Water Smart – Relates to Focus Area 4, Goal 1

Elmhurst residents initiated 1,181 self-checks for water leaks internal to the home in 2018. The City of Elmhurst has gathered and analyzed data in order to setup notification setting for residential accounts registered for notifications. Residents will get a notification if there is a continuous leak of 2gph for more than 72 hours, or usage over 78gph for 4 hours. In 2018 these settings would have produced nearly 37,000 leak email notifications.

Index 7) Refuse and Recycling – Relates to Focus Area 1, Goal 1 & 4

The data below identifies the tons of refuse and recycling collected by Republic Services at residential locations in Elmhurst. The City’s composting program is included in the Yard Waste category.

City of Elmhurst					
2018 DATA REPORT					
	Tons Collected by Month			Recycling Detail	
	Refuse	Recyclables	Yard Waste	Paper Fiber	Commingled Containers
January-18	926.67	440.16	47.42	306.40	133.76
February-18	871.73	375.21		261.18	114.03
March-18	951.78	449.43		312.85	136.58
April-18	1,055.42	406.03	66.25	282.64	123.39
May-18	1,179.14	480.49	269.01	334.47	146.02
June-18	1,156.09	491.56	259.81	342.17	149.39
July-18	1,003.72	370.93	141.05	258.20	112.73
August-18	1,240.76	481.09	151.40	334.89	146.20
September-18	975.69	402.35	135.17	280.08	122.27
October-18	1,008.85	431.17	136.77	300.14	131.03
November-18	1,095.04	451.10	302.84	314.01	137.09
December-18	839.35	392.78	334.50	273.41	119.37
Totals	12,304.24	5,172.30	1,844.22	3,600.44	1,571.86
Monthly Average	1,025.35	431.03	184.42	300.04	130.99
Weekly Average	236.62	99.47	42.56	69.24	30.23
Participation Rate	89.7%				