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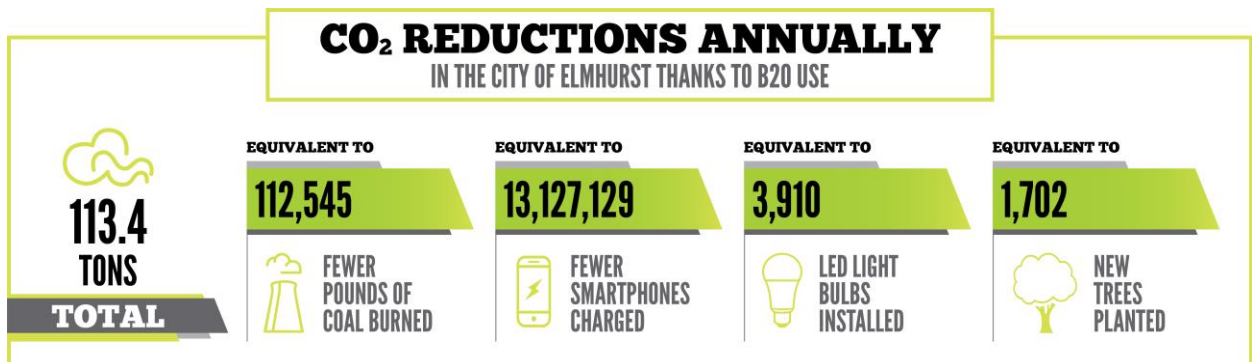
TO: Chair Polomsky, and Members of the Public Affairs and Safety Committee  
 From: Emily Egan, Assistant City Planner  
 RE: The 2019 Data Report Related to the City of Elmhurst’s Sustainability Action Plan

**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 been 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 petroleum diesel fuel. The City of Elmhurst uses B20 biodiesel (20% biodiesel) and the total fuel usage was 62,560 gallons. The image below identifies the CO<sub>2</sub> offset due to the biodiesel mix used in Elmhurst in 2019.



The City’s Public Works Department used 7,250 gallons of propane in 2019. This is up from 5,430.2 gallons used 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 2019 was 38,876 kWh which is up from **15,911 kWh in 2018**. The

offset gas savings was **4,753 gallons** of gasoline and resulted in 15,907 kg of greenhouse gases not expelled into the atmosphere.

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

The 2019 Prescription Drug Take-Back Days resulted in 243 lbs of unwanted prescription drugs being collected by the Police Department. The dropbox in the Police Department lobby collected and 590 lbs, for a total of 833 lbs of unwanted drugs safely collected in 2019.

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

City Hall recycled approximately 4,200 lbs of e-waste in 2019 and 100 toner and ink cartridges.

The City held one e-waste recycling event in 2018 and four events in 2019. These events are co-sponsored with DuPage County and provide a regional resource for those looking to properly dispose of electronics. In January 16,884 lbs were collected, in April 15,528 lbs were collected, in July 18,919 lbs were collected, and in October 21,248 lbs were collected for a total of 72,579 lbs of electronic waste recycled in 2019.

In October of 2019 the City held a new event for recycling latex paints which resulted in 793 gallons of latex paint being recycled.

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

In 2019, the City of Elmhurst had a total of 184 residents that completed a Home Energy Assessment (up from 84 in 2018). Cumulatively, the residents are saving an estimated 254,859 kWh per year with the products installed during those assessments.

ComEd reported that there were 7 energy efficiency assessments completed in 2019. Five were for public institutions and two were for commercial businesses. City Hall, Fire Station 1, and the Public Works building all had energy assessments in 2019 and implemented recommendations made in the energy assessment reports.

The Community Development Department reported 32 solar panel permits issued in 2019.

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

Elmhurst business owners and residents discovered and fixed 20,509 leaks with the WaterSmart program. The Zone Scan leak detection system installed on city water mains saved nearly 131 million gallons from being lost into the ground. The implementation of this system required inter-departmental collaboration

will continue to provide an early detection method for non-surfacing leaks. Also, this system paid for itself in just one year in saved water cost.

**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.

<b>CITY OF Elmhurst</b>					
<b>2019 DATA REPORT</b>				<b>Recycling Detail</b>	
	<b>Tons Collected by Month</b>			<b>Paper</b>	<b>Commingled</b>
	<b>Refuse</b>	<b>Recyclables</b>	<b>Yard Waste</b>	<b>Fiber</b>	<b>Containers</b>
January-19	925.95	379.67	64.79	264.29	115.38
February-19	902.62	398.36		277.30	121.06
March-19	869.01	347.90		242.17	105.73
April-19	950.23	393.47	107.69	273.89	119.58
May-19	1,259.26	429.02	285.36	298.64	130.38
June-19	1,261.57	397.28	272.74	276.55	120.73
July-19	1,085.08	408.81	159.83	284.57	124.24
August-19	1,170.77	459.58	156.07	319.91	139.67
September-19	976.47	376.32	145.70	261.96	114.36
October-19	1,138.02	443.64	138.64	308.82	134.82
November-19	1,158.53	467.22	379.53	325.23	141.99
December-19	1,000.03	469.48	333.77	326.81	142.67
<b>Totals</b>	<b>12,697.54</b>	<b>4,970.75</b>	<b>2,044.12</b>	<b>3,460.14</b>	<b>1,510.61</b>
<b>Monthly Average</b>	<b>1,058.13</b>	<b>414.23</b>	<b>204.41</b>	<b>288.34</b>	<b>125.88</b>
<b>Weekly Average</b>	<b>244.18</b>	<b>95.59</b>	<b>47.17</b>	<b>66.54</b>	<b>29.05</b>
<b>Participation Rate</b>	<b>89.7%</b>				