



CITY OF HAYWARD

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Cover Memo

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DATE: September 11, 2023

TO: Council Sustainability Committee

FROM: Director of Public Works

SUBJECT

2021 Greenhouse Gas Emissions Inventory

RECOMMENDATION

That the Council Sustainability Committee (CSC) reviews and comments on this report.

SUMMARY

The Council-adopted General Plan includes greenhouse gas (GHG) emission reduction targets for the community. This report provides the results of the calendar year 2021 inventory and compares it to the previous seven inventories. Table 1 summarizes the emissions totals for six sectors - electricity, natural gas, transportation (includes public transit), off-road vehicles, waste, and water and wastewater. Emissions are displayed in metric tons of carbon dioxide equivalent (MTC02e). The table shows that, in 2021, emissions were reduced by 37.4% since 2005.

Table 1: GHG Emissions by Sector (MT C02e)

	2005	2010	2015	2017	2018	2019	2020	2021	% Change from 2005
Electricity	185,536	165,172	141,814	74,919	47,452	12,467	23,038	35,844	-80.7%
Natural Gas	189,995	191,526	176,803	186,111	187,991	176,649	166,334	168,917	-11.1%
Transportation	529,317	458,988	450,925	445,769	440,914	420,995	309,168	345,905	-34.6%
Off-Road Vehicles	14,889	17,004	27,267	27,019	21,830	24,287	31,352	25,040	68.2%
Waste	50,924	38,338	38,148	47,555	52,209	46,187	34,628	32,011	-37.1%
Water and wastewater	4,718	4,314	3,471	2,742	2,730	2,706	2,516	2,201	-53.3%
Total	975,379	884,079	838,428	784,115	753,126	683,291	567,036	609,918	-37.4%
Hayward Population	140,530	143,921	155,753	159,623	159,603	160,197	162,954	163,404	16.3%
Total Emissions/ Capita	6.9	6.1	5.4	4.9	4.7	4.3	3.5	3.8	-46.7%

ATTACHMENTS

Attachment I Staff Report