



CITY OF HAYWARD

Hayward City Hall
777 B Street
Hayward, CA 94541
www.Hayward-CA.gov

Cover Memo

File #: ACT 20-057, **Version:** 1

DATE: September 14, 2020

TO: Council Sustainability Committee

FROM: Director of Public Works

SUBJECT

Review and Comment on the 2018 Greenhouse Gas Emissions Inventory and Preliminary 2019 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 Hayward (City) community. To track progress, staff historically completed a full community GHG inventory every five years. Due to an opportunity with East Bay Energy Watch (EBEW) and StopWaste, staff has completed interim inventories annually starting in 2017. This report provides the results of the calendar year 2018 inventory and compares it to the previous four inventories. Table 1 on page 2 summarizes the emissions totals for the six sectors -electricity, natural gas, transportation, BART, off-road vehicles, and waste. Emissions are displayed in metric tons of carbon dioxide equivalent (MTC02e).

This report also includes an estimate of the 2019 GHG inventory. For the 2019 inventory, staff has made assumptions to calculate electricity and waste-related emissions. Staff anticipates receiving the missing data by the end of 2020 and will update the Committee with the verified total reduction at that time. 2019 is also the first full calendar year that the City received a full year of East Bay Community Energy's service.

Table 1: GHG Emissions by Sector (MT C02e)

	2005	2010	2015	2017	2018	% Change from 2005	2019*	% Change from 2005
Electricity	185,890	165,304	141,854	75,118	47,531	-74.4%	11,013	-94.1%
Natural Gas	189,995	191,526	176,803	186,110	187,991	-1.1%	176,649	-7.0%
Transportation	636,581	580,238	571,556	553,298	531,104	-16.5%	522,897	-17.9%
BART	3,440	3,425	4,276	3,994	556	-83.5%	547	-84.1%

Off-Road Vehicles	24,345	37,630	71,034	69,279	36,064	+48.1%	51,392	+111.1%
Waste	50,924	38,338	38,148	47,555	52,209	+2.5%	52,209	+2.5%
Total	1,091,174	1,016,461	1,003,670	935,354	855,465	-21.6%	814,707	-25.3%
Hayward Population	140,530	143,921	155,753	159,623	159,603		160,197	
Total Emissions/ Capita	5.2	4.8	4.4	4.1	3.7	-28.9%	3.5	-32.5%

*Electricity and waste sectors are estimated data in 2019

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ATTACHMENTS

Attachment I Staff Report