GRI EMISSIONS DISCLOSURE & ASSURANCE

Waste Connections' emissions disclosure was developed using the Global Reporting Initiative (GRI) G4 Sustainability Reporting Guidelines. Waste Connections' GHG inventories were prepared by a third party, independent environmental services firm, with the conclusions audited and verified by a separate third party. The data was prepared in a manner consistent with The Climate Registry (TCR) General Reporting Protocol (GRP) Version 3.0, dated May 2019, and its associated updates and clarifications.

Full text of the emissions assurance statement is available on our website.

G4-EN15: Direct (Scope 1) Greenhouse Gas (GHG) Emissions

MT CO_2e		
2022	**2023**	**2024**
7,274,362	7,719,033	7,707,691

G4-EN16: Energy Indirect (Scope 2) GHG Emissions

MT CO_2e		
2022	**2023**	**2024**
100,189	100,535	97,917

G4-EN17: Other Indirect (Scope 3) GHG Emissions

Emission Source	MT CO_2e		
	2022	**2023**	**2024**
Purchased goods and services	23,405	21,365	27,399
Capital goods	326,464	260,088	267,411
Waste generated in operations	76,217	86,729	105,573
Upstream transportation and distribution	555,459	527,700	517,835
Business travel (air and vehicle)	63,637	80,838	84,447
Use of sold products	35,368	39,120	244,296
Total	**1,080,550**	**1,015,840**	**1,246,961**

G4-EN18: GHG Emission Intensity

GHG Emission Intensity	Unit	2022	2023	2024
Gross revenue	$US Millions	$7,212	$8,022	$8,920
Revenue—Rebaselined[1]	$US Millions	$8,034	$8,511	$8,920
Scope 1 emissions[1]	MT CO_2e	7,274,362	7,719,033	7,707,691
	MT CO_2e/$M revenue	1,009	962	864
	MT CO_2e/$M revenue—Rebaselined[1]	905	907	864
Scope 2 emissions	MT CO_2e	100,189	100,535	97,917
	MT CO_2e/$M revenue	14	13	11
	MT CO_2e/$M revenue—Rebaselined[1]	12	12	11
Scope 1 & 2 emissions	MT CO_2e	7,374,551	7,819,568	7,805,609
	MT CO_2e/$M revenue	1,023	975	875
	MT CO_2e/$M revenue—Rebaselined[1]	918	919	875

[1] Rebaselined to incorporate acquisitions.

The affirmation of carbon sequestration in our landfills is well documented in scientific literature. Due to anaerobic conditions that exist within landfills, lignins and hemicellulosic materials remain undecomposed.

	Unit	2022	2023	2024
Municipal solid waste and construction & demolition debris	Tons	36,705,565	38,898,786	41,712,963
CO_2e sequestered	MT CO_2e	11,494,082	12,688,647	12,250,919

G4-EN19: Reduction of GHG emissions

Waste Connections has undertaken several initiatives to reduce GHG emissions.

Beneficial use of biogas: The Company collected landfill gas for beneficial use at 30 landfill gas-to-energy facilities in 2024. The estimate of avoided emissions assumed that natural gas was the fuel replaced by the use of landfill gas. The avoided emissions were calculated using default methodologies from TCR and included CO_2, CH_4 and N_2O emissions.

Waste diversion: Waste Connections diverts over 50% of collected waste volumes in certain markets — in some cases over 70%. The estimated avoided GHG emissions from recycling were calculated using the U.S. EPA Waste Reduction Model (WARM).

Alternative fuel fleet: Over the past several years, Waste Connections has deployed vehicles using alternative fuels such as compressed natural gas (CNG) and biodiesel as a means of reducing its GHG footprint. Waste Connections currently deploys approximately 1,100 CNG vehicles. The estimated annual reduction in GHG emissions from CNG vehicles is calculated using an equivalent diesel vehicle as a baseline.

Reduction of GHG emissions (MT CO_2e)	2022	2023	2024
Annual avoided GHG emissions due to beneficial use of biogas	758,910	788,221	845,348
Annual avoided GHG emissions due to recycling	6,894,223	6,772,866	7,242,138
Annual avoided GHG emissions due to vehicles using alternative fuels	20,478	22,370	21,543

G4-EN22: Water discharge by quality and destination

Our E&P wastewater treatment technologies allow us to process and dispose of 100% of drilling-related waters without discharging to surface waters. The majority of waste fluids are injected into brine formations via deep wells.

Water discharge (gallons)	2022	2023	2024
Leachate collected	668,595,320	820,636,778	959,131,000
Leachate sent to third parties for treatment	405,237,966	499,663,843	660,145,356
E&P produced water treated on-site	459,952,822	401,861,022	679,497,500
E&P produced water sent to third parties for treatment	29,874,894	34,212,520	52,568,974