



Sustainability in Action™



2024 Republic Services SASB Report

This report was prepared following the SASB Waste Management Sustainability Accounting Standard, Version 2023-12, using the reporting entity described in the Annual Report on Form 10-K for the year ended December 31, 2024 (2024 10-K) of Republic Services, Inc. All data is as of December 31, 2024, for calendar year 2024. Learn more about our sustainability reporting¹ at RepublicServices.com/Sustainability. We invite you to share your thoughts with us at Sustainability@RepublicServices.com.

Disclosure Regarding Forward-Looking Statements

This report contains certain forward-looking information about us that is intended to be covered by the safe harbor for “forward-looking statements” provided by the Private Securities Litigation Reform Act of 1995. Forward-looking statements are statements that are not historical facts. Words such as “guidance,” “expect,” “will,” “may,” “anticipate,” “plan,” “estimate,” “project,” “intend,” “should,” “can,” “likely,” “could,” “outlook” and similar expressions are intended to identify forward-looking statements. These statements include information about our sustainability targets, goals and programs, in addition to our plans, strategies, expectations of future financial performance and prospects. Forward-looking statements are not guarantees of performance. You should not place undue reliance on any forward-looking statement. These statements are based upon the current beliefs and expectations of our management and are subject to significant risk and uncertainties that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot assure you that the expectations will prove to be correct. The inclusion of information in this report should not be construed as a characterization regarding the materiality or financial impact of that information. More information on factors that could cause actual results or events to differ materially from those anticipated is included from time to time in our reports filed with the Securities and Exchange Commission, including our 2024 10-K, particularly under Part I, Item 1A – Risk Factors, and in our Quarterly Reports on Form 10-Q. Additionally, new risk factors emerge from time to time, and it is not possible for us to predict all such risk factors, or to assess the impact such risk factors might have on our business or sustainability programs and goals. We undertake no obligation to update publicly any forward-looking statements whether as a result of new information, future events or otherwise, except as required by law.

¹We produce sustainably reports aligned with numerous standards, including the Global Reporting Initiative (GRI), the Sustainability Accounting Standards Board (SASB) and the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD), all of which are available on our [sustainability reporting page](#).

2024 Republic Sustainability Accounting Metrics

SASB Code	Sustainability Accounting Metric	Units	2022	2023	2024
Greenhouse Gas (GHG) Emissions					
IF-WM-110a.1	(1) Gross global Scope 1 emissions	Metric tons CO ₂ e	15,462,008	14,622,515	13,608,508
	(2) Percentage covered under emissions-limiting regulation	Percent	83%	95%	84%
	(3) Percentage covered under emissions-reporting regulations	Percent	67%	76%	97%
	<p>(1)-(3) Scope 1 emissions include emissions from landfills where Republic has operational control, fleet and buildings. In the absence of viable measurement methods, landfill emissions are based on projection models. We use the Solid Waste Industry for Climate Solutions (SWICS) methodology, which allows us to represent the emissions reductions from investments such as landfill cover and gas collection systems in grades. As an identifiable and verifiable standard, SWICS meets the methodology requirements of the Greenhouse Gas Protocol. We have restated previous years' emissions back to our GHG reduction goal's 2017 baseline to reflect acquisitions and divestitures during the reporting period. For further restatement information and information on gases covered and calculation methodology, see our 2024 GRI Report: 2-4 and 305-1. For more information on our greenhouse gas reduction goal, which has been approved by the Science Based Target initiative (SBTi), see our 2024 Sustainability Report.</p> <p>(2) This figure reflects the percentage of total Scope 1 emissions reported in the stated year, which may differ from the rebaselined values shown in this report, that are covered by U.S. EPA's Standards of Performance for Municipal Solid Waste Landfills (US 40 CFR Part 60, Subparts WWW and XXX) and Emissions Guidelines and Compliance Times for Municipal Solid Waste Landfills (U.S. 40 CFR Part 60, Subparts Cc and Cf), as well as the State of California's Landfill Methane Control Measure (17 CCR §§ 95460 – 95476). (3) This figure reflects the percentage of total Scope 1 emissions covered under emissions reporting regulations of the U.S. EPA Greenhouse Gas Reporting Program, which only applies to certain landfill types and those that emit >25,000 MTCO₂e/year.</p>				
IF-WM-110a.2	(1) Total landfill gas recovered	MMBTU	78,411,864	77,620,558	77,439,287
	(2) Percentage flared	Percent	55%	56%	53%
	(3) Percentage used for energy	Percent	45%	44%	47%
	<p>(1)-(3) For more information about our Renewable Energy goal, our progress and related initiatives, see our 2024 Sustainability Report. (1) Reporting represents landfill gas collected in both open and closed landfills via gas collection systems, and is typically described as "landfill gas recovered." Landfill gas generated (requested in SASB guidelines) is a calculated amount, using U.S. 40 CFR Part 98 Subpart HH and is imprecise; therefore, we report landfill gas recovered. (2) Flaring landfill gas effectively destroys certain regulated air pollutants while also thermally oxidizing the methane content of the gas. Thermal oxidation results in flue gases that have a 96% lower global warming potential than methane.</p>				

2024 Republic Sustainability Accounting Metrics

SASB Code	Sustainability Accounting Metric	Units	2022	2023	2024
IF-WM-110a.3	<p>Description of long-term and short-term strategy or plan to manage Scope 1 and life-cycle emissions, emission-reduction targets and an analysis of performance against those targets:</p> <p>We have taken a bold position to leverage research and innovation to combat climate change. Landfill methane emissions, vehicle and equipment emissions, and our buildings' electricity consumption all contribute to climate change. This is why we have adopted an aggressive target for reducing our operational GHG emissions, approved by the Science Based Targets initiative (SBTi). Our goal is to reduce absolute Scope 1 and 2 greenhouse gas (GHG) emissions 35% by 2030, from a 2017 baseline year. This goal supports the United Nations "Climate Action" Sustainable Development Goal, 13.2 – reduce GHG emissions. We have also set an interim target to reduce absolute Scope 1 and 2 emissions 10% by 2025. We are accomplishing our reductions through:</p> <ol style="list-style-type: none"> 1. Landfill innovation (e.g. monitoring and measurement, gas collection and control systems, landfill gas-to-energy) 2. Diversion from landfill (e.g., composting and other organics processing, recycling) 3. Fleet emissions reductions (e.g., electrification, route optimization, changes in driver behavior) 4. Emissions reductions when we build (e.g., site selection, building materials and insulation, energy efficiency measures) <p>For more information about progress toward our GHG reduction goal and related initiatives, refer to the Climate Leadership section of our 2024 Sustainability Report, 2024 GRI Report: 305, 2024 TCFD and FY2024 CDP Climate Change response.</p>				
Fleet Fuel Management					
IF-WM-110b.1	(1) Fleet fuel consumed	GJ	26,045,093	22,939,024	21,546,829
	(2) Percentage natural gas	Percent	16%	18%	19%
	(3) Percentage renewable	Percent	16%	18%	19%
<p>(1)-(3) See our 2024 GRI Report: 2-4. (1) Reporting represents fuel consumed by collection and service vehicles. (2) Reporting includes renewable natural gas. (3) Consistent with the U.S. Renewable Fuel Standard (U.S. 40 CFR § 80.1401), value includes renewable natural gas.</p>					
IF-WM-110b.2	Percentage of alternative fuel vehicles in fleet	Percent	20%	20%	21%
<p>Reporting represents compressed natural gas (CNG) and electric vehicles as a percentage of recycling and solid waste collection vehicles. For more information about our energy and fuel management, our progress and related initiatives, see our 2024 Sustainability Report and 2024 GRI Report: 302.</p>					
Air Quality					
IF-WM-120a.1	(1) NO _x (excluding N ₂ O)	Metric tons	2,297	2,190	1,525
	(2) SO _x	Metric tons	337	343	321
	(3) Volatile organic compounds (VOCs)	Metric tons	78	70	76
	(4) Hazardous air pollutants (HAPs)	Metric tons	51	53	49
<p>For more information about reporting on these substances, see our 2024 GRI Report.</p>					

2024 Republic Sustainability Accounting Metrics

SASB Code	Sustainability Accounting Metric	Units	2022	2023	2024
IF-WM-120a.2	Number of facilities in or near areas of dense population	Open Landfills	77	75	81
		Closed Landfills	74	79	73
	<i>Value changes are largely attributable to adjustments in population data.</i>				
IF-WM-120a.3	Number of incidents of non-compliance associated with air quality permits, standards, and regulations	Number	NR*	NR*	NR*
	<i>SASB reporting guidelines are unclear for this metric. We have opted to report on Item 103 of SEC Regulation S-K in our own metric, as noted in RSG-AQ-01, below.</i>				
RSG-AQ-01	SEC disclosable environmental enforcement proceedings relating to air and odor	Number	0	0	0
	<i>Effective November 19, 2020, Item 103 of the SEC's Regulation S-K requires disclosure of certain environmental matters when a governmental authority is a party to the proceedings and the proceedings involve potential monetary sanctions unless we reasonably believe the monetary sanctions will not equal or exceed a threshold which we determine is reasonably designed to result in disclosure of any such proceeding that is material to our business or financial condition. We have determined such disclosure threshold to be \$1,000,000, which is a change from the former threshold of \$100,000, previously required by SEC Regulation S-K. We have had no new proceedings to report under Item 103. For more information about our air quality management, our progress and related initiatives, see our 2024 Sustainability Report and 2024 GRI Report: 305 and 2-27</i>				
Management of Leachate and Hazardous Waste					
IF-WM-150a.1	(1) Total Toxic Release Inventory (TRI) releases	Metric tons	10,300	12,009	See below
	(2) Percentage released to water	Percent	<0.01%	<0.01%	See below
	<i>Due to TRI reporting timeline, this metric lags by one year, thus 2024 values will be reported in our 2025 reporting. For more information about our releases, see RSG-ML-02. Nonetheless, we provide three years of data for reporting consistency and in 2021 our TRI releases totaled 13,719 metric tons, with less than 0.01% released to water.</i>				
IF-WM-150a.2	Number of corrective actions implemented for landfill releases	Number	NR*	NR*	NR*
	<i>IF-WM-150a.2 SASB reporting guidelines are unclear for this metric. For more information, see RSG-ML-01.</i>				
IF-WM-150a.3	Number of incidents of non-compliance associated with environmental impacts	Number	NR*	NR*	NR*
	<i>IF-WM-150a.3 SASB reporting guidelines are unclear for this metric. For more information, see RSG-ML-01.</i>				
RSG-ML-01	SEC disclosable enforcement proceedings relating to management of leachate, water and hazardous waste	Number	0	0	0
	<i>See notes regarding Item 103 of SEC Regulation S-K under RSG-AQ-01 in this report.</i>				

2024 Republic Sustainability Accounting Metrics

SASB Code	Sustainability Accounting Metric	Units	2022	2023	2024
RSG-ML-02	Total leachate collected and treated	Million gallons	1,811	1,817	1,840
	<i>Reporting represents leachate treated either by Republic or by a third party and then returned to the water cycle or properly disposed. For more information about our leachate management, our progress and related initiatives, see our 2024 Sustainability Report and 2024 GRI Report: 303.</i>				
Labor Practices					
IF-WM-310a.1	Percentage of active workforce covered under collective bargaining agreements	Percent	23%	23%	22%
	<i>For more information on collective bargaining agreements, see page 24 of our 2024 10-K.</i>				
IF-WM-310a.2	(1) Number of work stoppages involving 1,000 or more workers lasting one full shift or longer	Number	0	0	0
	(2) Total days idle as a result of work stoppages	Days	0	0	0
	<i>Work stoppages reported in accordance with SASB guidelines, i.e., involving 1,000 or more workers lasting one full shift or longer. For more information about our employee engagement goal, our progress and related initiatives, see our 2024 Sustainability Report and 2024 GRI Report: 401.</i>				
Workforce Health & Safety					
IF-WM-320a.1	(1) Total Recordable Incident Rate (TRIR)	Rate	3.6	3.5	3.2
	(2) Fatality rate	Rate	4.5	6.5	0
	(3) Near Miss Frequency Rate (NMFR) for (a) direct employees and (b) contract employees	Rate	NR*	NR*	NR*
	<i>(1) TRIR includes employee and temporary third-party labor and is calculated using OSHA reporting guidelines. All incidents, regardless of whether treated in-house or externally, are recorded. 2022 and 2023 data is updated to reflect incidents reported after yearly close. (2) Fatality rate is calculated per 100,000 full-time equivalent employees, consistent with OSHA and Bureau of Labor Statistics (BLS) reporting guidance. (3a & 3b) Republic does not track near miss data.</i>				
IF-WM-320a.2	Safety Measurement System BASIC percentiles for: (1) Unsafe Driving, (2) Hours-of-Service Compliance, (3) Driver Fitness, (4) Controlled Substances/Alcohol, (5) Vehicle Maintenance and (6) Hazardous Materials Compliance	Percent	See below	See below	See below
	<i>The Federal Motor Carrier Safety Administration (FMCSA) calculates BASIC percentiles for the 60+ Department of Transportation numbers under which Republic operates. These scores are publicly available at Ai.fmcscsa.gov/SMS.</i>				
IF-WM-320a.3	Number of road accidents and incidents	Number	NR*	NR*	NR*
	<i>Due to a quality issue with data provided by a third party, Republic is unable to report on this item for 2024. We are in the process of upgrading our data collection systems to align with reporting requirements. For more information about our safety goals, our progress and related initiatives, see our 2024 Sustainability Report and 2024 GRI Report: 403.</i>				

2024 Republic Sustainability Accounting Metrics

SASB Code	Sustainability Accounting Metric	Units	2022	2023	2024
Recycling and Resource Recovery					
IF-WM-420a.1	(1) Amount of waste incinerated in owned or operated facilities	Metric tons	0	0	0
	(2) Percentage of waste incinerated that is hazardous	Percent	0%	0%	0%
	(3) Percentage of waste incinerated used for energy recovery	Percent	0%	0%	0%
	<i>Republic does not own or operate waste incineration facilities.</i>				
IF-WM-420a.2	(1) Percentage of customers receiving recycling services by customer type:				
	Residential (municipal + open market)	Percent	76%	74%	75%
	Small container	Percent	26%	27%	27%
	Large container	Percent	18%	26%	26%
	(2) Percentage of customers receiving organics services by customer type:				
	Residential (municipal + open market)	Percent	25%	27%	26%
	Small container	Percent	4%	5%	6%
	Large container	Percent	1%	2%	2%
	<i>The customer categories shown above are consistent with Republic's financial reporting for collection services. Republic Services offers both single-stream and multi-stream recycling services as well as organics recycling services.</i>				
	IF-WM-420a.3	(1) Amount of material recycled	Million metric tons	3.1	2.9
(2) Amount of organics diverted		Million metric tons	0.9	1.1	1.0
(3) Amount of materials processed as waste to energy		Million metric tons	42.2	44.4	46.8
<i>(1) Reporting represents metric tons of material processed at a Republic -owned or -operated recycling facility. (2) Reporting includes metric tons composted and food waste pre-processed at a Republic-owned or -operated facility. Reporting does not include organics collected by Republic and taken to a third-party facility for processing. (3) Reporting represents tons of waste received at a Republic -owned or -operated landfill with a gas-to-energy recovery system. Historic values have been updated to align with updated methodologies. For more information about our Circular Economy goal and related initiatives, see our 2024 Sustainability Report.</i>					
IF-WM-420a.4	(1) Amount of electronic waste collected	Metric tons	262	292	201
	(2) Percentage of materials recovered from electronic waste through recycling	Percent	>99%	>99%	>99%
	<i>Reporting represents volumes collected by Republic as electronic waste and processed by a third party.</i>				

2024 Republic Activity Metrics

SASB Code	Sustainability Accounting Metric	Units	2022	2023	2024
IF-WM-000.A	Number of customers by category: (1) municipal, (2) commercial, (3) industrial, (4) residential and (5) other <i>Republic does not classify customer counts by these categories.</i>	Number	NR*	NR*	NR*
IF-WM-000.B	Vehicle fleet size <i>Collection fleet comprises recycling and solid waste vehicles as reported in our 2024 10-K. Historical counts do not reflect subsequent acquisitions.</i>	Number of collection vehicles, service vehicles and heavy equipment	29,240	30,630	31,050
		Collection fleet only	16,900	17,200	17,600
IF-WM-000.C	Landfills	Total Active Landfills	206	207	208
		Closed Landfills	128	126	125
	Transfer Stations	Number	233	246	248
	Recycling Centers	Number	71	74	75
	Organics Facilities	Number	19	22	23
	Incinerators	Number	0	0	0
	All Other Facilities	Number	507	484	491
<i>Closed landfills represent those for which we had post-closure responsibility and do not distinguish hazardous landfills, which do not accept putrescible or organic wastes that generate landfill gases. We report the breakdown of operations included under All Other Facilities in our 2024 10-K.</i>					
IF-WM-000.D	Amount of material managed by our business <i>We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes the categories Municipal Solid Waste, Recycling, E&P (extraction and production) and TSDf (treatment, storage and disposal facilities). We track volumes in short tons and convert to metric tons per SASB guidelines.</i>	Million metric tons	97.4	98.6	97.6
RSG-AM-01	Revenue	Million USD	13,511	14,965	16,032