

2022 Republic Services SASB Report

This report was prepared following the SASB Waste Management Sustainability Accounting Standard, Version 2018-10, using the reporting entity described in the Annual Report on Form 10-K for the year ended December 31, 2022 (2022 10-K) of Republic Services, Inc (Republic). All data is as of December 31, 2022, for calendar year 2022. Learn more about our sustainability and ESG 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 forwardlooking information and statements. Although we believe that the expectations reflected in the forwardlooking 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 2022 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.

We produce sustainability and environmental, social and governance (ESG) 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.

SASB Code	Sustainability Accounting Metric	Units	2020	2021	2022		
Greenhouse	Gas (GHG) Emissions						
IF-WM-110a.1	(1) Gross global Scope 1 emissions	Metric tons CO ₂ e	14,161,583	13,724,643	13,688,161		
	(2) Percentage covered under emissions-limiting regulation	Percent	84%	83%	83%		
	(3) Percentage covered under emissions-reporting regulations	Percent	67%	67%	67%		
	emissions reductions from investments such as landfill cover and gas collection methodology requirements of the Greenhouse Gas Protocol. We have restated placquisitions and divestitures during the reporting period. For further restatements see our 2022 GRI Report: 2-4 and 305-1. For information on our Science Base (2) This figure reflects the percentage of total Scope 1 emissions reported in the same covered by U.S. EPA's Standards of Performance for Municipal Solid Waste Land Compliance Times for Municipal Solid Waste Landfills (U.S. 40 CFR Part 60 Measure (17 CCR §§ 95460 – 95476). (3) This figure reflects the percentage of total Greenhouse Gas Reporting Program, which only applies to certain landfill types	revious years' emissions back to our Cent information and information on ged Target greenhouse gas reduction gestated year, which may differ from the Landfills (US 40 CFR Part 60, Subpart 6), Subparts Cc and Cf), as well as the Stal Scope 1 emissions covered under en	GHG reduction goal's 2 cases covered and calc goal, see our 2022 St e rebaselined values sh ts WWW and XXX) and State of California's La missions reporting reg	2017 baseline culation meth ustainability l nown in this re d Emissions G ndfill Methan	to reflect odology, Report. port, that uidelines e Control		
IF-WM-110a.2	(1) Total landfill gas recovered	MMBTU	83,701,380	83,135,235	78,411,864		
	(2) Percentage flared	Percent	58%	56%	55%		
	(3) Percentage used for energy	Percent	42%	44%	45%		
	(1)-(3) For more information about our Renewable Energy goal, our progress and related initiatives, see our 2022 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.						

SASB Code	Sustainability Accounting Metric	Units	2020	2021	2022	
Greenhouse	Gas (GHG) Emissions					
IF-WM-110a.3	Description of long-term and short-term strategy or plan to me performance against those targets: We've taken a bold position to leverage innovation and lead the emissions, and our buildings' electricity consumption all contril operational GHG emissions, approved by the Science Based Tarby 2030, from a 2017 baseline year. This goal supports the Unit We've also set an interim target to reduce absolute Scope 1 and 1. Landfill innovation (e.g. monitoring and measurement, gas c2. Diversion from landfill (e.g., composting and other organics 3. Fleet emissions reductions (e.g. electrification, route optimiz 4. Emissions reductions when we build (e.g. site selection, build For more information about progress toward our GHG reductions 2022 Sustainability Report, 2022 GRI Report: 305, 2022 TCFD Assertions 2015 and 2015	industry in combating climate change. Landfill medute to climate change. That's why we've adopted regets initiative (SBTi). Our goal is to reduce absoluted Nations "Climate Action" Sustainable Developed 2 emissions 10% by 2025. We're accomplishing of collection and control systems, landfill gas-to-ene processing, recycling) tation, changes in driver behavior) ding materials and insulation, energy efficiency mongoal and related initiatives, refer to the Climateness of the composition	ethane emissions, v I an aggressive targ Ite Scope 1 and 2 G ment Goal, 13.2 – re our reductions thro ergy) neasures) te Leadership secti	vehicle and e get for reduc HG emissior educe GHG e ugh:	equipment ing our ns 35%	
Fleet Fuel Ma	anagement					
IF-WM-110b.1	(1) Fleet fuel consumed	GJ	25,574,173	26,244,511	26,145,367	
	(2) Percentage natural gas	Percent	18%	19%	19%	
	(3) Percentage renewable	Percent	18%	19%	19%	
	(1)-(3) See our 2022 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 and biodiesel.					
IF-WM-110b.2	Percentage of alternative fuel vehicles in fleet	Percent	21%	21%	20%	
	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 2022 Sustainability Report and 2022 GRI Report: 302.					
Air Quality						
IF-WM-120a.1	(1) NO _x (excluding N ₂ O)	Metric tons	1,466	1,413	1,368	
	(2) SO _x	Metric tons	354	341	330	
	(3) Volatile organic compounds (VOCs)	Metric tons	35	34	33	
	(4) Hazardous air pollutants (HAPs)	Metric tons	55	53	51	
	For more information about reporting on these substances, see our	2022 CDI Damant				

SASB Code	Sustainability Accounting Metric	Units	2020	2021	2022		
Air Quality							
IF-WM-120a.2	Number of facilities in or near areas of dense population	Open Landfills	85	94	95		
		Closed Landfills	52	80	82		
	Value changes from 2021 to 2022 are attributable to a large acquisition. For information regarding changes in reporting from 2020 to 2021, see our 2021 SASB Report.						
IF-WM-120a.3 RSG-AQ-01	Number of incidents of non-compliance associated with air emissions	Number	NR	NR	NR		
	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, defined as RSG-AQ-01.						
RSG-AQ-01	SEC disclosable environmental enforcement proceedings relating to air and odor	Number	0	0	0		
	Effective November 19, 2020, Item 103 of the SEC's Regulation S-K requires disclosure of the proceedings and the proceedings involve potential monetary sanctions unless we re which we determine is reasonably designed to result in disclosure of any such proceeding such disclosure threshold to be \$1,000,000, which is a change from the former threshold proceedings to report under Item 103. For more information about our air quality mand Report and 2022 GRI Report: 305 and 2-27.	asonably believe the monetary that is material to our busines: of \$100,000, previously require	sanctions will not equa s or financial condition. d by SEC Regulation S-k	ll or exceed We have de (. We have h	a threshold etermined ad no new		
	t of Leachate and Hazardous Waste						
IF-WM-150a.1	(1) Total Toxic Release Inventory (TRI) releases	Metric tons	11,125	26,650	See below		
	(2) Percentage released to water	Percent	>0.06%	>0.01%	See below		
	Due to TRI reporting timeline, this metric lags by one year, thus 2022 values will be reported in our 2023 reporting. For more information about our releases, see RSG-ML-02 . Nonetheless, we provide three years of data for reporting consistency and in 2019 our TRI releases totaled 9,931 metric tons, with less than 0.01% released to water.						
IF-WM-150a.2	Number of corrective actions implemented for landfill releases	Number	NR	NR	NR		
	IF-WM-150a.2 SASB reporting guidelines are unclear for this metric. For more information, see RSG-ML-01.						
IF-WM-150a.3	Number of incidents of non-compliance associated with environmental impacts	Number	NR	NR	NR		
	IF-WM-150a.3 SASB reporting guidelines are unclear for this metric. For more information, see RSG-ML-01.						
RSG-ML-01	SEC disclosable enforcement proceedings relating to management of leachate, water and hazardous waste	Number	0	0	0		
	See notes regarding Item 103 of SEC Regulation S-K under RSG-AG-01 in this report.						

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SASB Code	Sustainability Accounting Metric	Units	2020	2021	2022			
Managemen	t of Leachate and Hazardous Waste							
RSG-ML-02	Total leachate collected and treated	Billion gallons	2.072	1.904	1.811			
	Reporting represents leachate treated either by Republic or by a third party and then remanagement, our progress and related initiatives, see our 2022 Sustainability Report		e information	about our lead	chate			
Labor Praction	ces							
IF-WM-310a.1	Percentage of active workforce covered under collective bargaining agreements	Percent	24%	24%	23%			
	Value changes from 2021 to 2022 are attributable to a large acquisition. For more informa-	ation on collective bargaining agree	ements, see pa	ge 23 of our <u>20</u>	022 10-K.			
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			
	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 2022 Sustainability Report and 2022 GRI Report: 401.							
Workforce H	ealth & Safety							
IF-WM-320a.1	(1) Total recordable incident rate (TRIR)	Rate	3.748	3.640	2.882			
	(2) Fatality rate	Rate	2.599	4.966	2.237			
	(3) Near Miss Frequency Rate (NMFR) for (a) direct employees and (b) contract employees	Rate	NR	NR	NR			
	(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. (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.							
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			
	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.fmcsa.dot.gov/SMS.							
IF-WM-320a.3	Number of road accidents and incidents	Number	NR	NR	NR			
	Due to a quality issue with data provided by a third party, Republic is unable to report on systems to align with reporting requirements. For more information about our safety goals and 2022 GRI Report: 403.	·		_				

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SASB Code	Sustainability Accounting Metric	Units	2020	2021	2022		
Recycling an	d 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%		
	Republic does not own or operate waste incineration facilities.						
IF-WM-420a.2	(1) Percentage of customers receiving recycling services by customer type:						
	Residential (municipal + open market)	Percent	74%	75%	74%		
	Small container	Percent	25%	25%	26%		
	Large container	Percent	26%	25%	26%		
	(2) Percentage of customers receiving organics services by customer type:						
	Residential (municipal + open market)	Percent	24%	25%	27%		
	Small container	Percent	2%	2%	4%		
	Large container	Percent	2%	2%	2%		
	The customer categories shown above are consistent with Republic's financial reportion organics from other recycling, in accordance with SASB guidelines. Republic Services or recycling services.						
IF-WM-420a.3	(1) Amount of material recycled	Million metric tons	5.1	4.8	4.1		
		NATIO CONTRACTOR CONTRACTOR					
	(2) Amount of organics diverted	Million metric tons	0.7	0.9	0.9		
	(2) Amount of organics diverted (3) Amount of materials processed as waste to energy	Million metric tons Million metric tons	0.7 43.5	0.9 42.4	0.9 42.2		
		Million metric tons erated recycling facility. (2) Reporting Reporting does not include organics a Republic owned or operated land;	43.5 g in 2021 and 2022 ir collected by Republi fill with a gas-to-enei	42.4 ncludes metric ic and taken to rgy recovery s	42.2 tons o a ystem.		
IF-WM-420a.4	(3) Amount of materials processed as waste to energy (1) Reporting represents metric tons of material processed at a Republic owned or oper composted and food waste pre-processed at a Republic owned or operated facility. For third-party facility for processing. (3) Reporting represents tons of waste received at Historic values have been updated to align with updated methodologies. For more in	Million metric tons erated recycling facility. (2) Reporting Reporting does not include organics a Republic owned or operated land;	43.5 g in 2021 and 2022 ir collected by Republi fill with a gas-to-enei	42.4 ncludes metric ic and taken to rgy recovery s	42.2 tons o a ystem.		
IF-WM-420a.4	(3) Amount of materials processed as waste to energy (1) Reporting represents metric tons of material processed at a Republic owned or oper composted and food waste pre-processed at a Republic owned or operated facility. If third-party facility for processing. (3) Reporting represents tons of waste received at Historic values have been updated to align with updated methodologies. For more in 2022 Sustainability Report.	Million metric tons erated recycling facility. (2) Reporting Reporting does not include organics a Republic owned or operated land, formation about our Circular Econo	43.5 g in 2021 and 2022 in collected by Republi fill with a gas-to-ened omy goal and related	42.4 ncludes metric ic and taken to rgy recovery s d initiatives, se	42.2 tons o a ystem. se our		

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2022 Republic Activity Metrics

SASB Code	Sustainability Accounting Metric	Units	2020	2021	2022	
IF-WM-000.A	Number of customers by category: (1) municipal, (2) commercial, (3) industrial, (4) residential and (5) other	Number	NR	NR	NR	
	Republic does not classify customer counts by these categories.					
IF-WM-000.B	Vehicle fleet size	Number of collection vehicles, service vehicles and heavy equipment	25,659	26,173	29,240	
		Collection fleet only	16,300	16,400	16,900	
	Collection fleet comprises recycling and solid waste vehicles as reported in ou	ır <u>2022 10-K</u> . Historical counts do not reflect su	ıbsequent acquisi	tions.		
IF-WM-000.C	Landfills	Total Active Landfills	186	198	206	
		Closed Landfills	128	124	128	
	Transfer Stations	Number	220	239	233	
	Recycling Centers	Number	76	71	71	
	Organics Facilities	Number	12	19	19	
	Incinerators	Number	0	0	0	
	All Other Facilities	Number	480	492	507	
	The increase in landfill count from 2021 to 2022 is a result of one large and numerous small acquisitions, including five active hazardous waste landfills. 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. For information regarding changes in recycling center and organics facility counts from 2020 to 2021, see our 2021 SASB Report. We report the breakdown of operations included under All Other Facilities in our 2022 10-K.					
IF-WM-000.D	Amount of material managed by our business	Million metric tons	96.2	101.6	95.3	
	We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes the categories MSW, 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.					