

2021 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, 2021 (2021 10-K) of Republic Services, Inc (Republic). All data is as of December 31, 2021, for calendar year 2021. 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 2021 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.

¹ 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).

	Sustainability Accounting Metric	Units	2019 Results	2020 Results	2021 Results
Greenhous	e Gas (GHG) Emissions				
	(1) Gross global Scope 1 emissions	Metric tons CO ₂ e	14,818,003	14,071,744	13,643,797
	(2) Percentage covered under emissions-limiting regulations	Percent	82%	84%	83%
	(3) Percentage covered under emissions-reporting regulations	Percent	65%	67%	67%
IF-WM- 110a.1	(1) - (3) Scope 1 emissions include emissions from landfills and fleet of landfill emissions, landfill emissions are based on projection mod Climate Solutions (SWICS) methodology. This methodology allows for landfill emissions. As an identifiable and verifiable standard, SWICS years' emissions back to our GHG reduction goal's 2017 baseline for For further restatement information and information on gases cover Science Based Target greenhouse gas reduction goal and SWICS, see (2) This percentage reflects the emissions that are covered by U.S. Editorial and SWICS.	dels. In 2021, we changed the remore input parameters, so meets the methodology requestions and other factors sured and calculation method our 2021 Sustainability Reports.	e methodology within our mand inch as landfill cover systems wirements of the Greenhous inch as acquisitions and divestology, see our 2021 GRI Report. Reports are available and the for Municipal Solid Wast	odel to use the Solid Wa, and is a better represel e Gas Protocol. We have titures during the report ort: 2-4 and 305-1. For it RepublicServices.com/Secundarills (US 40 CFR Page 1)	ste Industry for nation of our restated previous ting period. Information on our Sustainability. Int 60, Subparts
	WWW and XXX) and Emissions Guidelines and Compliance Times for California's Landfill Methane Control Measure (17 CCR §§ 95460 – 9 (3) Only certain landfill types and those that emit >25,000 MTCO ₂ e/y Reporting Program. Percentage also does not include fleet emission	5476). vear are covered under emis	sions reporting regulations,	according to the U.S. EP.	·
	California's Landfill Methane Control Measure (17 CCR §§ 95460 – 9 (3) Only certain landfill types and those that emit >25,000 MTCO ₂ e/y	5476). vear are covered under emis	sions reporting regulations,	according to the U.S. EP.	·
	California's Landfill Methane Control Measure (17 CCR §§ 95460 – 9 (3) Only certain landfill types and those that emit >25,000 MTCO ₂ e/y Reporting Program. Percentage also does not include fleet emission	5476). vear are covered under emis s, as they are not regulated	sions reporting regulations, under emissions-reporting r	according to the U.S. EP.	A Greenhouse Gas
	California's Landfill Methane Control Measure (17 CCR §§ 95460 – 9 (3) Only certain landfill types and those that emit >25,000 MTCO ₂ e/y Reporting Program. Percentage also does not include fleet emission (1) Total landfill gas recovered	year are covered under emis s, as they are not regulated MMBTU	sions reporting regulations, under emissions-reporting r 82,275,736	according to the U.S. EP. egulations. 83,701,380	A Greenhouse Gas 83,135,235

N/A – Not applicable NR – Not reported

SASB Code	Sustainability Accounting Metric	Units	2019 Results	2020 Results	2021 Results
Greenhouse	Gas (GHG) Emissions				
IF-WM- 110a.3	Description of long-term and short-term strategy performance against those targets: We've taken a bold position to leverage innovation emissions, and our buildings' electricity consumproperational GHG emissions, approved by the Sci 2030, from a 2017 baseline year. This goal supposals os et an interim target to reduce absolute Sco 1. Landfill innovation (e.g., improving monitoring 2. Diversion from landfill (e.g., organics processin 3. Fleet emissions reductions (e.g., electrification 4. Emissions reductions when we build (e.g., site For more information about our GHG emissions Sustainability Report and our 2021 GRI Report, S reports are available at RepublicServices.com/Su	on and lead the industry in combating option all contribute to climate change. The ence Based Target initiative (SBTi). Our trist the United Nations "Climate Action upe 1 and 2 emissions 10% by 2025. We grand measurement, gas collection and upg / composting, recycling), route optimization, changes in driver selection, building materials and insulations our progress and related initiative tandard 305. Please also refer to our 2	climate change. Landfill meth That's why we've adopted and goal is to reduce absolute So "Sustainable Development Good and the Complish our reductions control systems, landfill gas- behavior) ation, energy efficiency meas	ane emissions, vehicle aggressive target for recope 1 and 2 GHG emissions, 13.2 – reduce GHG through: to-energy) ures) e Leadership section of	and equipment ducing our sions 35% by emissions. We've
Fleet Fuel M	anagement				
	(1) Fleet fuel consumed	GJ	22,868,781	21,145,433	21,886,126
	(2) Percentage natural gas	Percent	21%	19%	20%
I \ A / B /	(3) Percentage renewable	Percent	14%	19%	20%
IF-WM- 110b.1	 (1) - (3) Historical values have been restated using a available at <u>RepublicServices.com/Sustainability</u>. (1) Value includes fuel consumed by collection and a (2) Number includes renewable natural gas. (3) Consistent with the U.S. Renewable Fuel Standar 	service vehicles.		·	Report: 2-4,
	Percentage of alternative fuel vehicles in fleet	Percent	20%	21%	21%
IF-WM- 110b.2	Value represents compressed natural gas (CNG) vel For more information about our energy and fuel m Report, Standard 302, available at RepublicServices	anagement, our progress and related init		1 Sustainability Report a	nd 2021 GRI

SASB Code	Sustainability Accounting Metric	Units	2019 Results	2020 Results	2021 Results		
Air Quality							
	Air emissions of the following pollutants:						
	(1) NOx (excluding N ₂ O)	Metric tons	1,408	1,466	1,413		
	(2) SOx	Metric tons	340	354	341		
IF-WM-	(3) Volatile organic compounds (VOCs)	Metric tons	33	35	34		
120a.1	(4) Hazardous air pollutants (HAPs)	Metric tons	53	55	53		
	Reporting follows SASB reporting guidelines and is based exc. Republic believes the most representative method is to use method of calculations, please see our a	neasured landfill gas flow to flares	s, engineering calculations and	d mass balance calculat			
	Number of facilities in or near areas of dense population	Open landfills	89	85	94		
IF-WM-		Closed landfills	49	52	80		
120a.2	From 2020 to 2021, Republic Services acquired 8 open landfills and 1 closed landfill located in or near areas of dense population. The remaining change in the numbers reported year over year is a reflection of an update to our methodology and enhanced data available to us from the U.S. Census Bureau.						
IF-WM-	Number of incidents of non-compliance associated with a emissions	nir Number	NR	NR	NR		
120a.3	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.						
	SEC disclosable environmental enforcement proceedings relating to air and odor	Number	1	0	0		
RSG-AQ-01	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, ou and 2-27, available at <u>RepublicServices.com/Sustainability</u> .	r progress and related initiatives,	please refer to our 2021 Sust	tainability Report and 20	021 GRI Report: 305		

SASB Code	Sustainability Accounting Metric	Units	2019 Results	2020 Results	2021 Results
Managemer	nt of Leachate and Hazardous Waste				
IF-WM-	(1) Total Toxic Release Inventory (TRI) releases, (2) Percentage released to water	Number	N/A	N/A	N/A
150a.1	We have replaced the SASB advised metric of Total Toxic Release Invare de minimis for our business.	rentory (TRI) releases with	RSG-ML-02 Total Leachate Col	lected and Treated beca	use TRI releases
IF-WM-	Number of corrective actions implemented for landfill releases	Number	NR	NR	NR
150a.2	SASB reporting guidelines are unclear for this metric.				
IF-WM-	Number of incidents of non-compliance associated with environmental impacts	Number	NR	NR	NR
150a.3	SASB reporting guidelines are unclear for this metric.				
	SEC disclosable environmental enforcement proceedings relating to management of leachate, water and hazardous waste	Number	1	0	0
RSG-ML-01	Effective November 19, 2020, Item 103 of the SEC's Regulation S-K re the proceedings and the proceedings involve potential monetary saw which we determine is reasonably designed to result in disclosure of such disclosure threshold to be \$1,000,000, which is a change from proceedings to report under Item 103.	nctions unless we reason fany such proceeding the	ably believe the monetary sanc at is material to our business o	tions will not equal or ex r financial condition. We	xceed a threshold have determined
	Total leachate collected and treated	Billion gallons	2.043	2.051	1.904
RSG-ML-02	Total reflects leachate that is treated by either Republic or a third position about our leachate management, our progress Standard 306, available at RepublicServices.com/Sustainability.		,	inability Report and 202	1 GRI Report,
Labor Practi	ces				
IF-WM- 310a.1	Percentage of active workforce covered under collective bargaining agreements	Percent	24%	24%	24%
	(1) Number of work stoppages	Number	0	0	0
	(2) Total days idle	Days	0	0	0
IF-WM- 310a.2	While we occasionally experience work stoppages, Republic did not more workers lasting one full shift or longer.	have any work stoppages	or days idle as defined by the	SASB guidelines, i.e., inv	olving 1,000 or
	For more information about our employee engagement goal, our pr Standard 401, available at <u>RepublicServices.com/Sustainability</u> .	ogress and related initia	tives, please refer to our 2021 S	Sustainability Report and	d 2021 GRI Report,

SASB Code	Sustainability Accounting Metric	Units	2019 Results	2020 Results	2021 Results	
Workforce H	Health & Safety					
	(1) Total Recordable Incident Rate (TRIR)	Rate	3.707	3.748	3.640	
	(2) Fatality Rate	Rate	4.872	2.599	4.966	
IF-WM-	(3a) Near Miss Frequency Rate (NMFR) for direct employed (3b) Near Miss Frequency Rate (NMFR) for contract employed		NR	NR	NR	
320a.1	 (1) TRIR includes employee and temporary third-party labor of externally, are recorded. (2) The fatality rate is calculated per 100,000 full-time equival (3a)/(3b) Republic does not track near miss data. 	<u> </u>	,	,		
IF-WM- 320a.2	Safety Measurement System BASIC percentiles for: (1) Unstable Driving, (2) Hours-of-Service Compliance, (3) Driver Fitness Controlled Substances/Alcohol, (5) Vehicle Maintenance, a Hazardous Materials Compliance	5, (4)	See below	See below	See below	
	The Federal Motor Carrier Safety Administration (FMCSA) calc operates. These scores are available to the public at <u>Ai.fmcsa</u> .		the 60+ Department of Transporta	tion numbers under wh	ich Republic	
	Number of road accidents and incidents	Number	NR	NR	NR	
IF-WM- 320a.3	Due to a quality issue with data provided by a third party, Republic is unable to report on this item for 2021. 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 ar available at RepublicServices.com/Sustainability.	nd related initiatives, please i	refer to our 2021 Sustainability Re	port and 2021 GRI Repo	ort, Standard 403,	

ASB Code	Sustainability Accounting Metric	Units	2019 Results	2020 Results	2021 Results		
Recycling an	nd Resource Recovery						
	(1) Amount of waste incinerated in owned facilities	Metric tons	0	0	0		
F-WM-	(2) Percent of waste incinerated that is hazardous	Percent	0%	0%	0%		
420a.1	(3) Percent of waste incinerated used for energy recovery	Percent	0%	0%	0%		
	Republic does not own or operate waste incineration facilities.						
	(1) Percentage of customers receiving recycling services by cu	stomer type:					
	Residential (municipal + open market)	Percent	74%	74%	75%		
	Small container	Percent	26%	25%	26%		
	Large container	Percent	25%	26%	26%		
F-WM- 420a.2	(2) Percentage of customers receiving organics services by cu	stomer type:					
F200.2	Residential (municipal + open market)	Percent	25%	24%	25%		
	Small container	Percent	2%	2%	2%		
	Large container	Percent	2%	2%	2%		
	The customer categories shown above are consistent with Republic's financial reporting for collection services.						
	(1) Amount of material recycled	Million metric tons	4.9	5.1	4.8		
	(2) Amount of organics diverted	Thousand metric tons	704	718	924		
	(3) Amount of material processed as waste to energy	Million metric tons	44.5	43.0	40.8		
F-WM- 420a.3	 (1) Amount provided is metric tons of material processed at a Republic-owned or -operated recycling facility. It does not include recycling collected by Republic and taken to a third-party facility for processing. (2) 2021 amount provided includes metric tons composted and food waste pre-processed at a Republic-owned or -operated facility. It does not include organics collected by Republic and taken to a third-party facility for processing. (3) Amount provided is tons of waste received at a Republic-owned or -operated landfill with a gas-to-energy recovery system. For more information about our Circular Economy goal, our progress and related initiatives, please refer to our 2021 Sustainability Report, available at RepublicServices.com/Sustainability. 						
	(1) Amount of alastropis waste callested	Market a train	548	202	201		
F-WM-	(1) Amount of electronic waste collected	Metric tons	548	292	336		

2021 Republic Activity Metrics

	SASB Code	Activity Metric	Units	2019 Results	2020 Results	2021 Results
			Number	NR	NR	NR
F-WM-	000.A	Republic does not classify customer counts by these categories.				
F-WM- Proper to the processing facilities. Reduction in count is a result of consolidation of less efficient recycling facilities into more efficient, technologically advanced facilities and the expiration of operating agreements. F-WM- Proper to the processing facilities. Previous year's data included only composting facilities. Previous year's data included only composting facilities. Proper to the managed when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines. 130		Vehicle fleet size	fleet, service vehicles	25,529	25,659	26,173
Closed landfills 130 128 140			Collection fleet	16,000	16,300	16,400
F-WM- OUN.C. Fery line Active hazardous A		Landfills	Active landfills	189	186	198
Transfer stations Number 212 220 22 220 22 220 22 22			Closed landfills	130	128	124
Recycling facilities Number 79 76 10 12 10 12 10 10 12 10 10				0	0	0
Organics facilities Number 10 12 12 10 10 12 10 10		Transfer stations	Number	212	220	239
Incinerators Number 0 0 0 0 Landfill gas to energy 69 69 69 Other renewable energy 69 69 69 Other renewable energy 69 38 CNG fueling stations 39 38 TRD facilities 7 6 6 SWD wells 15 9 Recycling facilities: Reduction in count is a result of consolidation of less efficient recycling facilities into more efficient, technologically advanced facilities and the expiration of operating agreements. Organics facilities: 2021 data has been updated to include all Organics Centers. Total includes 12 composting, 3 food waste preprocessing, and 4 green waste processing facilities. Previous year's data included only composting facilities. IF-WM-000.D We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines.		Recycling facilities	Number	79	76	71
All Other facilities All Other facilities		Organics facilities	Number	10	12	19
Other renewable energy CNG fueling stations 39 38 TRD facilities 7 6 SWD wells 15 9 Deep injection wells 4 7 Recycling facilities: Reduction in count is a result of consolidation of less efficient recycling facilities into more efficient, technologically advanced facilities and the expiration of operating agreements. Organics facilities: 2021 data has been updated to include all Organics Centers. Total includes 12 composting, 3 food waste preprocessing, and 4 green waste processing facilities. Previous year's data included only composting facilities. Amount of material managed by our business: Total tons managed Million metric tons 103.4 96.2 107 We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines.		Incinerators	Number	0	0	0
Recycling facilities: Reduction in count is a result of consolidation of less efficient recycling facilities into more efficient, technologically advanced facilities and the expiration of operating agreements. Precode	IF-WM-	All Other facilities	Landfill gas to energy	69	69	69
TRD facilities 7 6 SWD wells 15 9 Deep injection wells 4 7 Recycling facilities: Reduction in count is a result of consolidation of less efficient recycling facilities into more efficient, technologically advanced facilities and the expiration of operating agreements. Organics facilities: 2021 data has been updated to include all Organics Centers. Total includes 12 composting, 3 food waste preprocessing, and 4 green waste processing facilities. Previous year's data included only composting facilities. Amount of material managed by our business: Total tons managed Million metric tons 103.4 96.2 107 We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines.	000.C			6	6	8
SWD wells 15 9 Deep injection wells 4 7 Recycling facilities: Reduction in count is a result of consolidation of less efficient recycling facilities into more efficient, technologically advanced facilities and the expiration of operating agreements. Organics facilities: 2021 data has been updated to include all Organics Centers. Total includes 12 composting, 3 food waste preprocessing, and 4 green waste processing facilities. Previous year's data included only composting facilities. Amount of material managed by our business: Total tons managed Million metric tons 103.4 96.2 107 We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines.			CNG fueling stations	39	38	40
Deep injection wells Recycling facilities: Reduction in count is a result of consolidation of less efficient recycling facilities into more efficient, technologically advanced facilities and the expiration of operating agreements. Organics facilities: 2021 data has been updated to include all Organics Centers. Total includes 12 composting, 3 food waste preprocessing, and 4 green waste processing facilities. Previous year's data included only composting facilities. Amount of material managed by our business: Total tons managed Million metric tons 103.4 96.2 10' We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines.			TRD facilities	7	6	3
Recycling facilities: Reduction in count is a result of consolidation of less efficient recycling facilities into more efficient, technologically advanced facilities and the expiration of operating agreements. Organics facilities: 2021 data has been updated to include all Organics Centers. Total includes 12 composting, 3 food waste preprocessing, and 4 green waste processing facilities. Previous year's data included only composting facilities. Amount of material managed by our business: Total tons managed Million metric tons 103.4 96.2 107 We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines.			SWD wells	15	9	6
expiration of operating agreements. Organics facilities: 2021 data has been updated to include all Organics Centers. Total includes 12 composting, 3 food waste preprocessing, and 4 green waste processing facilities. Previous year's data included only composting facilities. Amount of material managed by our business: Total tons managed Million metric tons 103.4 96.2 107 We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines.			Deep injection wells	4	7	7
Total tons managed Million metric tons 103.4 96.2 107. We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines.		expiration of operating agreements. Organics facilities: 2021 data has been updated to include all Orga	anics Centers. Total includes 12			
We use the amount of material we manage when calculating and evaluating intensity comparisons. Data includes MSW, recycling, and E&P waste tons managed. Historical values have been converted to metric tons for alignment with SASB guidelines.		Amount of material managed by our business:				
Historical values have been converted to metric tons for alignment with SASB guidelines.	IF-WM-	Total tons managed	Million metric tons	103.4	96.2	101.6
N/A Revenue Billion USD \$10.299 \$10.154 \$11.2	000.D			ns. Data includes MSW, re	cycling, and E&P waste to	ons managed.
	N/A	Revenue	Billion USD	\$10.299	\$10.154	\$11.295