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Our Blue Planet® 2019 SASB Report We work for Earth.

2019 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 Republic Services 2019 10-K. All data is as of December 31, 2019 for calendar year 2019.

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 Annual Report on Form 10-K for the year ended December 31, 2019, particularly under Part I, Item 1A - 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 other

SASB	Activity Metric	Units	2017 Results	2018 Results	2019 Results		
Code							
	Number of customers by category:						
	Municipal	Number	N/A	N/A	N/A		
IF-WM-	Commercial	Number	N/A	N/A	N/A		
000.A	Industrial	Number	N/A	N/A	N/A		
	Residential	Number	N/A	N/A	N/A		
	IF-WM-000.A Republic does not archive histo	rical customer counts by these cate	egories.				

2019 Republic Activity Metrics

IF-WM- 000.B	Vehicle Size	Includes collection fleet, service vehicles, and equipment	24,837	25,094	25,529		
000.Б		Collection fleet	15,900	16,000	16,000		
	Number of:						
	Landfills	Active landfills	195	190	189		
		Closed landfills	124	129	130		
		Active hazardous landfills	0	0	0		
	Transfer Stations	Number	204	207	212		
	Recycling Centers	Number	90	91	79		
	Composting Centers	Number	9	10	10		
IF-WM-	Incinerators	Number	0	0	0		
000.C	All other facilities	Renewable energy and landfill	68	75	75		
000.C		gas projects					
		CNG fueling stations	37	37	39		
		TRD facilities	7	7	7		
		SWD wells	11	11	15		
		Deep injection wells	N/A	N/A	4		
	IF-WM-000.C Recycling Centers: Republic expanded and/or rationalized operations in 2019 to improve efficiency and throughput, including						
	closing some less efficient and less technically advanced facilities. In some cases, processing was transferred to other nearby regional recycling						
	centers.						
	Amount of material managed by our busin						
IF-WM-	Total tons managed	Million tons	113	115	114		
000.D	IF-WM-000.D We believe the amount of ma Data includes MSW, Recycling, and E&P wa		metric when calculat	ing and evaluating int	ensity comparisons.		
N/A	Revenue	Billion USD	\$10,042	\$10,041	\$10,299		

SASB	Sustainability Accounting Metric	Units	2017 Results	2018 Results	2019 Results
Code					
		eenhouse Gas (GHG) E	missions	-	
	(1) Gross global Scope 1 emissions	Metric tons CO ₂ e	13,486,262	13,199,147	13,930,867
	(2) Percentage covered under emissions-limiting regulations	Percent	83 %	83 %	84 %
	(3) Percentage covered under emissions- reporting regulations	Percent	85 %	85 %	86 %
IF-WM- 110a.1	 Discussion/clarifications/assumptions/etc. (includient) (1) Scope 1 emissions include emissions from land portion of the Scope 1 emissions is reflective of our method developed by the EPA and industry to char footprint in the U.S. This method remains the curra as well suited to tracking progress or reductions a lack of a current method available to accurately and we will continue to use the EPA calculations to refere measurement, which we have committed to invest subtracted from the landfill emissions total, per Gerethodology/protocols, etc. see the 2019 GRI Reperthodology/protocols, etc. see the 2019 GRI Reperthodology/protocols, etc. see the 2019 GRI Reperthodology. (2) This percentage reflects the emissions that are CFR Part 60, Subparts WWW and XXX) and Emission 60, Subparts Cc and Cf), as well as the State of Call (3) Only certain landfill types and those that emit = U.S. EPA Greenhouse Gas Reporting Program. Per reporting regulations. CO₂e = carbon dioxide equivalents (a standard und) 	dfills and fleet that are of ar performance. Landfill practerize the contribution rent method for reportin t individual landfills. Thi and continuously <u>measur</u> lect our landfill emission tigate in support of our HG Protocol guidance. F port, disclosure 305-1, w r the various types of fu e covered by U.S. EPA's S ons Guidelines and Com ifornia's Landfill Methan >25k MTCO ₂ e/year are of centage also does not in	owned, leased, or operate emissions are calculate on of landfills in relation ing landfill emissions to t is due to several simp ing fugitive landfill emissions is until we develop a mo- science-based GHG em- for more information of hich can be found at wo els that are used. See S Standards of Performan pliance Times for Munic is Control Measure (17 overed under emission foclude fleet emissions, a	ed using U.S. 40 CFR P hship to the overall gro the EPA. However, the lifying assumptions to ons. As noted in our s ethod for more accura issions target. Seques n gasses covered, calc ww/republicservices.co ection IF-WM-110b for ce for Municipal Solid cipal Solid Waste Land CCR §§ 95460 – 95476 s reporting regulation	art 98 Subpart HH, a eenhouse gas se calculations are not o compensate for the sustainability report, ate and continuous stered carbon is not ulation om/sustainability. r more details on fuel Waste Landfills (US 40 fills (U.S. 40 CFR Part).

2019 Republic Sustainability Accounting Metrics

	(1) Total landfill gas recovered	MMBTU	78,942,711	80,148,584	82,651,373
	(2) Percentage flared	Percent	55 %	58 %	57 %
	(3) Percentage used for energy	Percent	45 %	42 %	43 %
IF-WM- 110a.2	Discussion/clarifications/assumptions/etc. (including (1) This total represents the amount of landfill gas typically described as "landfill gas recovered." Lan CFR Part 98 Subpart HH and is subject to error, th In the 2018 Sustainability Report, Republic unveile relevant sustainability risks and opportunities, inc beneficial reuse by 50% by 2030 (from a 2017 b our beneficial biogas reuse goal, our progress and at www/republicservices.com/sustainability.	s that was collected in bo adfill gas generated (as ro herefore recovered landf ed new sustainability go cluding the beneficial rec aseline), as we endeavor	oth open and closed land equested by SASB guide Ill gas is used. Als designed to address use of landfill biogas. Ou to make our landfills re	lines) is a calculated critical global macro r goal is to increase generative. For mor	amount using U.S. 40 otrends and our most biogas sent to re information about
	mission-reduction tai	rapts and an analysis of			
IF-WM- 110a.3	Description of long-term and short-term strategy or performance against those targets: In the 2018 Sustainability Report, Republic unveiler relevant sustainability risks and opportunities, incomposition, regulatory and market developments ree Offsetting operational GHG emissions is not enou- climate change. Landfill methane emissions, vehi- why we've adopted an aggressive target for reduce Our goal is to reduce absolute Scope 1 and 2 gr United Nations "Climate Action" Sustainable Deve 1. Landfill innovation 2. Reducing fleet emissions 3. Reducing emissions when we build For more information about our GHG emissions gr which can be found at www/republicservices.com	ed new sustainability god cluding greenhouse gas lated to climate change ugh. We're taking a bold cle and equipment emis cing our operational GHG eenhouse gas emissior clopment Goal, 13.2 – rec	als designed to address GHG) emissions that con present us with the pote position to leverage inno sions, and building elect a emissions, aligned with s 35% by 2030 , from a 2 luce greenhouse gas em	critical global macro ntribute to climate c ential for strategic be ovation and lead the ricity all contribute t n the Science Based 2017 baseline year. hissions. We'll accom	otrends and our most change. Given our usiness opportunities. e industry in combating to climate change. That's Targets initiative (SBTi). This goal supports the nplish this goal through:

	L	Fleet Fuel Manage			
	(1) Fleet fuel consumed	GJ	19,544,955	19,292,633	18,746,185
	(2) Percentage natural gas	Percent	19 %	20 %	21 %
	(3) Percentage renewable	Percent	7 %	15 %	15 %
IF-WM- 110b.1	Discussion/clarifications/assumptions/etc. (includin (1) Number includes fuel consumed by collection (2) Number includes renewable natural gas. (3) Renewable as defined consistent with the U.S biodiesel, etc.	n and service vehicles o 5. Renewable Fuel Stand	nly. dard (U.S. 40 CFR § 80.1		ewable natural gas,
	GJ = gigajoule (a measure of energy that enables	s comparisons amongst	different types of fuel)	
IF-WM- 110b.2	Percentage of alternative fuel vehicles in fleet	Percent	19 %	20 %	20 %
	Discussion/clarifications/assumptions/etc. (includin Number represents CNG vehicles as a percentag For more information about our energy/fuel ma	-	only.	s, please refer to our 2	019 GRI Report,
	Number represents CNG vehicles as a percentag	nagement, our progres blicservices.com/sustai	only. s and related initiative	s, please refer to our 2	2019 GRI Report,
	Number represents CNG vehicles as a percentag For more information about our energy/fuel ma Standard 302, which can be found at www/repul	nagement, our progres blicservices.com/sustai Air Quality	only. s and related initiative nability.	s, please refer to our 2	019 GRI Report,
	Number represents CNG vehicles as a percentage For more information about our energy/fuel ma Standard 302, which can be found at www/reput Air emissions of the following pollutants:	nagement, our progres blicservices.com/sustai Air Quality Air Emissions (metric	only. s and related initiative nability. tons)		
	Number represents CNG vehicles as a percentage For more information about our energy/fuel ma Standard 302, which can be found at www/reputer Air emissions of the following pollutants: (1) NOx (excluding N ₂ O)	nagement, our progres blicservices.com/sustai Air Quality	only. s and related initiative nability. tons) 1,304	1,400	1,438
	Number represents CNG vehicles as a percentage For more information about our energy/fuel ma Standard 302, which can be found at www/reputer Air emissions of the following pollutants: (1) NOx (excluding N ₂ O) (2) SOx	nagement, our progres blicservices.com/sustain <u>Air Quality</u> <i>Air Emissions (metric</i> Metric tons Metric tons	only. s and related initiative nability. <u>tons)</u> 1,304 314	1,400	1,438 347
IF-WM- 120a.1	Number represents CNG vehicles as a percentage For more information about our energy/fuel ma Standard 302, which can be found at www/reputer Air emissions of the following pollutants: (1) NOx (excluding N ₂ O) (2) SOx (3) Volatile organic compounds (VOCs)	nagement, our progres blicservices.com/sustain <u>Air Quality</u> <u>Air Emissions (metric</u> Metric tons	only. s and related initiative nability. tons) 1,304	1,400	1,438
120a.1	Number represents CNG vehicles as a percentage For more information about our energy/fuel ma Standard 302, which can be found at www/reputer Air emissions of the following pollutants: (1) NOx (excluding N ₂ O) (2) SOx	nagement, our progres blicservices.com/sustain <u>Air Quality</u> <u>Air Emissions (metric</u> Metric tons Metric tons Metric tons Metric tons Metric tons	only. s and related initiative nability. tons) 1,304 314 31	1,400 339 33	1,438 347 34
120a.1 IF-WM-	Number represents CNG vehicles as a percentage For more information about our energy/fuel ma Standard 302, which can be found at www/reputer <i>Air emissions of the following pollutants:</i> (1) NOx (excluding N ₂ O) (2) SOx (3) Volatile organic compounds (VOCs) (4) Hazardous Air Pollutants (HAPs)	nagement, our progres blicservices.com/sustain <u>Air Quality</u> <u>Air Emissions (metric</u> Metric tons Metric tons Metric tons	only. s and related initiative nability. <u>tons)</u> 1,304 314 31 49	1,400 339 33 53	1,438 347 34 54
IF-WM- 120a.1 IF-WM- 120a.2 IF-WM- 120a.3	Number represents CNG vehicles as a percentage For more information about our energy/fuel ma Standard 302, which can be found at www/reputer <i>Air emissions of the following pollutants:</i> (1) NOx (excluding N ₂ O) (2) SOx (3) Volatile organic compounds (VOCs) (4) Hazardous Air Pollutants (HAPs) Number of facilities in or near areas of dense	nagement, our progres blicservices.com/sustain Air Quality Air Emissions (metric Metric tons Metric tons Metric tons Metric tons Open landfills	only. s and related initiative nability. tons) 1,304 314 31 49 N/A	1,400 339 33 53 89	1,438 347 34 54 89

	 IF-WM-120a.1 Based on landfill emissions only and follows SASB reporting guidelines. While there may be multiple methods for calculating landfill air emissions, Republic believes the most representative method is to use measured landfill gas flow to flares, engineering calculations and mass balance calculations. For additional details on scope and method of calculations, please see the 2019 GRI Report, disclosure 305-7, which can be found at www/republicservices.com/sustainability. IF-WM-120a.2 Total landfill count within 5 km of urban populations greater than 50,000 people based on 2010 US Census Bureau data. Site locations are based on landfill mailing address. The 2018 counts were updated using an enhanced location service. IF-WM-120a.3 SASB reporting guidelines are unclear for this metric. RSG-AQ-01 Please refer to Item 103 of SEC Regulation S-K. We had one new proceeding relating to air/odor in 2019. Two other proceedings disclosed in our quarterly filings for 2019 were a continuation from prior years. For more information about our air quality management, our progress and related initiatives, please refer to our 2019 GRI Report, Standards 305 and 307, which can be found at www/republicservices.com/sustainability. 							
	Managen	nent of Leachate and	Hazardous Waste					
IF-WM-	(1) Total Toxic Release Inventory (TRI) releases	Number	N/A	N/A	N/A			
150a.1	(2) Percentage released to water	Percent	N/A	N/A	N/A			
IF-WM- 150a.2	Number of corrective actions implemented for landfill releases	Number	N/A	N/A N/A N/A N/A	N/A			
IF-WM- 150a.3	Number of incidents of non-compliance associated with environmental impacts	Number	N/A		N/A			
RSG-ML- 01	RSG-ML- SEC disclosable environmental enforcement Number 0 1 1							
RSG-ML- 02	Total leachate collected and treated	Billion gallons	1.745	1.817	2.043			
	Discussion/clarifications/assumptions/etc. (including IF-WM-150a.1 We have replaced the SASB advised treated (RSG-ML-02) because TRI releases are de IF-WM-150a.2 SASB reporting guidelines are unclu	d metric of Total Toxic minimis for our busin ear for this metric.	Release Inventory (TRI) releases with Tota	l leachate collected and			

RSG-ML-01 Please refer to Item 103 of SEC Regulation S-K. We had one new proceeding relating to management of leachate, water and hazardous waste in 2019. The one other proceeding disclosed in our quarterly filings for 2019 was a continuation from prior years. We have added the Total leachate collected and treated metric below (RSG-ML-02) to our SASB report, because we feel that this provides context to the small number of SEC disclosable proceedings in this disclosure relative to the large amount of leachate collected and treated.

RSG-ML-02 Total reflects leachate that is treated by either Republic Services or a third party and then returned to the water cycle.

For more information about our leachate management, our progress and related initiatives, please refer to our 2019 GRI Report, Standard 306, which can be found at www/republicservices.com/sustainability.

	Labor Practices								
IF-WM-	Percentage of active workforce covered under	Percent	24 %	24 %	24 %				
310a.1	collective bargaining agreements								
IF-WM-	(1) Number of work stoppages	Number	0	0	0				
310a.2	(2) Total days idle	Days	0	0	0				
	 Discussion/clarifications/assumptions/etc. (including measurement/estimation methods), including reason for the work stoppage, impact on operations and any corrective actions taken: IF-WM-310a.1 As of December 31, 2019, approximately 24% of our workforce was represented by various labor unions. See page 100 of our 2019 10-K. IF-WM-310a.2 Republic has not had any labor events that qualify as material work stoppages under the SASB reporting guidelines. In 2019, however, Republic had two strikes involving a total of 50 employees that lasted several weeks, along with a small number of short-term work stoppages in a few other markets that lasted a combined total of less than 20 working days. The previously reported 2018 work stoppages were updated to align with SASB guidelines on material work stoppages: the stoppages previously reported did not approach the material threshold defined under the SASB reporting guidelines. For more information about our employee engagement goal, our progress and related initiatives, please refer to our 2019 GRI Report, Standard 401, which can be found at www/republicservices.com/sustainability. 								
		Workforce Health & Sa							
	(1) Total Recordable Incident Rate (TRIR)	Rate	3.646	3.873	3.707				
IF-WM-	(2) Fatality Rate	Rate	4.988	0	4.872				
320a.1	(3a) Near Miss Frequency Rate (NMFR) for direct employees	Rate	N/A	N/A	N/A				

	(3b) Near Miss Frequency Rate (NMFR) for	Rate	N/A	N/A	N/A		
	contract employees						
	Safety Measurement System BASIC percentiles						
	(1) Unsafe Driving	Percent	See below	See below	See below		
	(2) Hours-of-Service Compliance	Percent	See below	See below	See below		
IF-WM- 320a.2	(3) Driver Fitness	Percent	See below	See below	See below		
520d.2	(4) Controlled Substances/Alcohol	Percent	See below	See below	See below		
	(5) Vehicle Maintenance	Percent	See below	See below	See below		
	(6) Hazardous Materials Compliance	Percent	See below	See below	See below		
IF-WM- 320a.3	Number of road accidents and incidents	Number	162	124	NR		
	Discussion/clarifications/assumptions/etc. (includ	ling measurement/esti	mation methods):	I			
	reporting guidance. The 2018 fatality rate was updated to align with OSHA reportable standards. The actual OSHA reportable fatalities in 2018 was zero (0). IF-WM-320a.1 (3a)/(3b) Republic does not track near miss data. IF-WM-320a.2 The Federal Motor Carrier Safety Administration (FMCSA) calculates BASIC percentiles for the 60+ Department of Transportation numbers under which Republic operates. These scores are available to the public at <u>https://ai.fmcsa.dot.gov/SMS</u> .						
	IF-WM-320a.3 Not reporting: Reliability of data provided by third party for 2019 is questionable and could not be resolved prior to release of this report. Republic is not reporting on this topic in 2019.						
	 In the 2018 Sustainability Report, Republic unverse relevant sustainability risks and opportunities, program we call Safety Amplified. Our goals are goal has two dimensions: 1. Zero work-related employee fatalities 2. OSHA Total Recordable Incident Rate 	including safety. Rep e designed to enhanc es	ublic Services is taking an e safety for our employee	ambitious leap forwar	d in safety with a		
	For more information about our safety goal, or can be found at www/republicservices.com/su		ed initiatives, please refer	to our 2019 GRI Repor	t, Standard 403, which		

	Re	cycling and Resource Re	ecovery				
	(1) Amount of waste incinerated in owned facilities	Metric tons	0	0	0		
	(2) Percent of waste incinerated that is hazardous	Percent	0 %	0 %	0 %		
IF-WM- 420a.1	(3) Percent of waste incinerated used for energy recovery	Percent	0 %	0 %	0 %		
	Discussion/clarifications/assumptions/etc. (including Republic does not own or operate waste incinerat			10-K (page 2).			
	(1) Percentage of customers receiving recycling se	rvices by service type:					
	Residential (municipal + open market)	Percent	72 %	71 %	74 %		
	Small container	Percent	24 %	25 %	26 %		
IF-WM-	Large container	Percent	12 %	12 %	25 %		
420a.2	(2) Percent of customers receiving composting services by service type:						
	Residential (municipal + open market)	Percent	25 %	24 %	25 %		
	Small container	Percent	1 %	1 %	2 %		
	Large container	Percent	1 %	1 %	2 %		
	(1) Amount of material recycled	Million metric tons	5.4	5.4	5.4		
IF-WM-	(2) Amount of material composted	Thousand metric tons	453	750	776		
420a.3	(3) Amount of material processed as waste to energy	Million metric tons	43	45	44.5		
	(1) Amount of electronic waste collected	Metric tons	473	479	548		
IF-WM- 420a.4	(2) Percent of electronic waste recovered through recycling	Percent	≥ 99 %	≥ 99 %	≥ 99 %		
	Discussion/clarifications/assumptions/etc. (including IF-WM-420a.2 The customer categories shown ab IF-WM-420a.3 (1) and (2) These totals include mate from both Republic and third-party haulers. These processing. (3) This is the amount of MSW that goes to Repub	ove are consistent with Re erial that is processed at l e figures do not include m	epublic's financial i Republic owned or naterial collected b	operated recycling a y Republic and taken	and composting facilities to third-party facilities fo		

In the 2018 Sustainability Report, Republic unveiled new sustainability goals designed to address critical global macrotrends and our most relevant sustainability risks and opportunities, including recycling and the circular economy. We believe our innovative business practices and deep understanding of scalable circular economy solutions will help us accomplish our ambitious goal related to Materials Management, which is to **increase recovery of key materials by 40% on a combined basis by 2030** (from a 2017 baseline). For more information about our circular economy goal, our progress and related initiatives, please refer to our 2019 GRI Report, Standard 301, which can be found at www/republicservices.com/sustainability.