



2019 SASB Disclosure

The Sustainability Accounting Standards Board (SASB) provides guidance for sustainability reporting, with an emphasis on industry-specific topics of interest to the investor community. Our report is prepared in accordance with the SASB Waste Management Standard (version 2018-10). Please note that this standard uses definitions and units of measure that deviate from some of our other reporting. We therefore encourage readers to review this disclosure in conjunction with the standards document, which is available at sasb.org.

SASB CODE	METRIC	UNIT OF MEASURE	2019 RESPONSE
Activity Metrics			
IF-WM-000.A	Number of customers by category (1) municipal, (2) commercial, (3) industrial, (4) residential, (5) other	Number	(1) 160, (2) 66,000, (3) 33,000, (4) 187,000
IF-WM-000.B	Vehicle fleet size	Number	843 routed vehicles
IF-WM-000.C	Number of (1) landfills, (2) transfer stations, (3) recycling centers, (4) composting centers, (5) incinerators, and (6) all other facilities	Number	(1) 9 landfills, (2) 58 transfer stations, (3) 17 recycling centers, (4) 3 composting centers, (5) 0 incinerators, (6) 47 other facilities (43 collection operations and 4 landfill gas to energy facilities)
IF-WM-000.D	Total amount of materials managed by customer category: (1) municipal, (2) commercial, (3) industrial, (4) residential, (5) other	Metric tons (t)	6.34 Million metric tons managed. This figure includes all metric tonnage collected, processed, disposed, or managed by our solid waste and resource solutions operations. Casella does not break this information down by customer category.

Topic: Greenhouse Gas Emissions

IF-WM-11a.1	(1) Gross global Scope 1 emissions, (2) percentage covered under emissions-limiting regulations, and (3) percentage covered under emissions-reporting regulations.	Metric tons (t) CO ₂ e, Percentage (%)	(1) 710,667 metric tons CO ₂ e, (2) 0%, (3) 78%
IF-WM-11a.2	(1) Total landfill gas recovered, (2) percentage flared, (3) percentage used for energy	Million British Thermal Units (MMBtu), Percentage (%)	(1) 4,559,961 MMBtu landfill gas recovered, (2) 50% flared, (3) 50% used for energy. This calculation reflects all Casella-operated landfills that operate under the EPA greenhouse gas reporting program (40 CFR Part 98).
IF-WM-11a.3	Discussion of long-term and short-term GHG strategy	Discussion	<p>CLIMATE LEADERSHIP: From 2005 to 2010, Casella reduced its total Scope 1 and 2 emissions by 45%, as the only waste industry participant in the EPA Climate Leaders program, through which the company voluntarily disclosed and reduced its company-wide greenhouse gas emissions well before mandated.</p> <p>NET NEGATIVE EMISSIONS: Casella causes downstream emission reductions through recycling and energy production. These reductions are more than 2 times as great as the company's direct emissions, using standard EPA factors.</p> <p>SHORT-TERM GHG STRATEGY: Increase recycling with an emphasis on materials with a high potential GHG benefit. Reduce emission intensity (per ton managed) through enhanced landfill gas collection and fleet efficiency programs.</p> <p>LONG-TERM GHG STRATEGY: The company's long-term greenhouse gas strategy will be detailed in the forthcoming 2020 sustainability report.</p>



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Topic: Fleet Fuel Management			
IF-WM-110b.1	(1) Fleet fuel consumed, (2) percentage natural gas, (3) percentage renewable	Gigajoules (GJ), Percentage (%)	(1) 1,045,344 GJ, (2) 4.4%, (3) 0% renewable
IF-WM-110b.2	Percentage of alternative fuel vehicles in fleet	Percentage (%)	4.4% of Casella's routed vehicles run on compressed natural gas (CNG). In markets with available CNG fueling infrastructure, 19.6% of Casella's routed vehicles run on CNG.
Topic: Air Quality			
IF-WM-120a.1	Air emissions of the following pollutants: (1) NOx (excluding N2O), (2) SOx, (3) VOCs, (4) HAPs	Metric tons (t)	(1) 112.1, (2) 347, (3) 10.1, (4) 26.4. From landfills with gas collection and onsite combustion. The company does not currently track this information for fleets.
IF-WM-120a.2	Number of facilities in or near areas of dense population	Number	0 facilities
IF-WM-120a.3	Number of incidents of non-compliance associated with air emissions	Number	1 formal incident
Topic: Leachate			
IF-WM-150a.1	(1) Total toxic release inventory (TRI) releases, (2) Percentage released to water	Number, Percentage (%)	(1) 0, (2) 0%
IF-WM-150a.2	Number of corrective actions implemented for landfill releases	Number	0 corrective actions
IF-WM-150a.3	Number of incidents of non-compliance associated with environmental impacts	Number	1 incident
Topic: Labor Practices			
IF-WM-310a.1	Percentage of active workforce covered under collective bargaining	Percentage (%)	5.9% under collective bargaining
IF-WM-310a.2	(1) Number of work stoppages, (2) total days idle	Number, Days	(1) 0, (2) 0



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Topic: Workforce Health & Safety			
IF-WM-320a.1	(1) Total recordable incident rate (TRIR), (2) fatality rate, (3) near miss frequency rate (NMFR)	Rate	(1) 6.18. In 2019, the company integrated several acquisitions and onboarded many new employees. These factors tend to drive up TRIR. The rate is trending lower as of June 2020. (2) and (3) Casella limits its reporting to standard OSHA metrics. For more information please contact our VP of Safety, Michael K Hughes at michael.hughes@casella.com.
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, (6) hazardous materials compliance	Percentile	(1) 8, (2) 0, (3) 3, (4) 0, (5) 52, (6) N/A. Casella's fleet includes multiple DOT numbers. The reported figures are averages, weighted by the number of trucks under each DOT number.
IF-WM-320a.3.	Number of road accidents and incidents	Number	35 DOT recordable events
Topic: Recycling & Resource Recovery			
IF-WM-420a.1	(1) Amount of waste incinerated, (2) percentage hazardous, (3) percentage used for energy recovery	Metric tons (t), Percentage (%)	(1) 0, (2) N/A, (3) N/A
IF-WM-420a.2	Percentage of customers receiving (1) recycling services and (2) composting services, by customer type	Percentage (%)	(1) 81% of residential customers and 40% of commercial customers receive recycling services. (2) The company offers composting (food waste) services in select markets.
IF-WM-420a.3	Amount of material (1) recycled, (2) composted, and (3) processed as waste-to-energy	Metric tons (t)	(1) 530,000 metric tons of recycling, (2) 420,000 metric tons of composting and other applicable forms of organics recovery, (3) 1,950,000 metric tons of waste-to-energy as defined in SASB guidance which includes landfill gas recovery.
IF-WM-420a.4.	Amount of electronic waste collected, percentage recovered through recycling	Metric tons (t), Percentage (%)	519 metric tons provided to electronic waste recyclers