

2022 ESG Data Summary Table

	2020	2021	2022
Facilities			
Solid Waste Collection Operations	195	230+	250+
Transfer Stations	150	160+	170+
Active Landfills Owned, Managed or Operated	88	90+	90+
Material Recovery Facilities	28	30+	35+
Soil Remediation Facilities	13	13	12
Organics Facilities	15	20+	20+
Liquid Waste Facilities	75	130+	130+
Energy From Waste Facilities	0	0	0
Fleet			
Solid Waste Collection Fleet	6,643	7,122 ¹	7,738
Percentage of Solid Waste Collection Fleet Fueled with CNG	14.8%	15.3%	16.0% ²
Environmental Data			
Recyclable Material Managed by GFL			
Recyclables (tonnes)	2,067,934	2,734,065	2,786,806
Organics (tonnes) ³	454,628	419,708	708,232
Soil (tonnes)	2,432,072	2,067,727	3,917,081
Used Motor Oil and Antifreeze (megalitres)	206	220	340
Wastewater Treated (megalitres) ⁴	73	397	892

¹ 2021 figure restated to exclude non-collection vehicles.

² Percentage of fleet fueled with CNG including fleet from acquisitions (net of divestitures) completed in 2022 is 15.2%.

³ 2021 organics tonnage managed has been adjusted to report all organics on a wet basis and exclude liquid biosolids.

⁴ 2021 wastewater treated volume has been adjusted to include liquid biosolids.

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	2020	2021	2022
Recyclable Material Recovered (tonnes)			
Recyclable Material Recovered at GFL MRFs ⁵			
Fibres	696,864	914,024	893,393
Glass	45,438	67,679	91,124
Plastic	95,378	141,674	140,757
Metal	33,533	45,817	45,362
Other	Not reported	8,924	7,875
Total	871,213	1,178,118	1,178,511
Recyclable Materials Recovered at Other GFL Facilities			
Fibres	54,806	91,658	107,708
Plastic	5,265	35,704	43,428
Metal	6,267	14,019	21,274
Construction Materials/Wood	368,300	401,763	468,343
E-Waste and Batteries	115	2,023	1,007
Total	434,753	545,167	641,760
GHG Emissions (tonnes CO ₂ e)			
Scope 1 Emissions			
Total Scope 1 Emissions ^{6,7}	2,447,756	3,942,460	4,142,262
Landfill	1,963,446	3,309,467	3,380,828
Composting	19,349	12,127	32,034
Refrigerants	Not reported	2,630	10,757

⁵ Excludes C&D MRFs. 2021 values have been restated to remove double counting of brokered tonnages.

⁶ As anticipated in the emissions reduction pathway disclosed in our 2021 Sustainability Report, our adjusted 2022 scope 1 emissions remained relatively flat as compared to our base year emissions after accounting for acquisitions (net of divestitures), boundary changes within our inventory, and changes to our calculation methodologies. We plan to adjust our 2021 (base year) reported emissions in the 2023 reporting year to reflect these changes that we made in 2022.

⁷ GFL's GHG emissions have been calculated based on The GHG Protocol, ISO 14064, and associated guidance. The asserted scope 1 emissions have been independently verified by a third-party - GHD Limited (GHD). Landfill gas emissions are calculated using the US EPA Part 98, Subpart HH equations and associated guidance from SWICS.

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	2020	2021	2022
Scope 1 Emissions (continued)			
Fossil Fuel Combustion – Mobile Sources ⁸	449,203	585,266	692,696
Other Energy Use ⁹	15,758	32,963	25,947
Scope 2 Emissions			
Total Scope 2 Emissions (Location-based) ^{10,11}	27,478	33,703	30,802
Scope 1 and 2 Emissions			
Total Scope 1 and 2 Emissions ¹²	2,475,234	3,976,163	4,173,064
Scope 3 Emissions			
Total Scope 3 Emissions ¹³	662,003	903,049	870,359
Purchased Goods and Services	224,554	337,570	251,791
Capital Goods	75,202	116,119	145,107
Fuel and Energy-Related Activities	84,800	103,674	112,210
Transportation and Distribution	220,718	274,749	310,456
Waste Generated in Operations	368	682	1,242
Employee Commuting	55,111	69,155	34,358
Business Travel	1,250	1,100	3,184
Use of Sold Products ¹⁴	Not reported	Not reported	12,010

⁸ Mobile sources include on- and off-road vehicles from GFL's solid and environmental services divisions.

⁹ In 2021, stationary combustion emissions include combustion of landfill gas. In 2020 and 2022 these emissions are included in the Landfill category above.

¹⁰ As noted in footnote 6 above, we plan to adjust our 2021 (base year) reported emissions in the 2023 reporting year.

¹¹ GFL's GHG emissions have been calculated based on The GHG Protocol, ISO 14064, and associated guidance. Scope 2 emissions have been independently verified by a third-party - GHD Limited (GHD). GFL's market-based and location-based emissions are equivalent as no market-based instruments were purchased in 2020, 2021 or 2022.

¹² As anticipated in the emissions reduction pathway disclosed in our 2021 Sustainability Report, our adjusted 2022 scope 1 and 2 emissions remained relatively flat as compared to our base year emissions after accounting for acquisitions (net of divestitures), boundary changes within our inventory, and changes to our calculation methodologies. We plan to adjust our 2021 (base year) reported emissions in the 2023 reporting year to reflect these changes that we made in 2022.

¹³ We continue to refine our Scope 3 accounting methods which is reflected in the fluctuations in reported emissions.

¹⁴ GFL's Used Motor Oil Refinery collects used oil for re-refining. Used motor oil that is collected but not re-refined by us is sold as fuel into the burner fuel market. Emissions from the combustion of this sold fuel is accounted for as use of sold products.

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	2020	2021	2022
Biogenic Emissions			
Total Biogenic CO ₂ Emissions (all sources)	701,507	1,573,586	1,631,622
Biogenic CO ₂ Emissions from Biofuel Combustion (LFG and renewable fuels)	Not reported separately	511,115	531,616
Avoided GHG Emissions			
Total GHG Emissions Avoided and Sequestered	7,968,159	12,129,770	12,427,815
Recyclables, Organics and Other Recyclable Waste Streams	5,599,706	7,776,179	8,147,118
Renewable Energy Generation from Landfill Gas	113,661	279,443 ¹⁵	201,303
Carbon Sequestered	2,254,792	3,943,262	4,079,394
Emission Reduction Credits			
Emission Reduction Credits Sold ¹⁶	Not reported	1,672	361
Carbon Intensity			
GHG Emissions Avoided (tonnes CO ₂ e) per Million Dollar of Sales	1,362	1,482	1,235
Scope 1 Emissions (tonnes CO ₂ e) per Million Dollar of Sales	583	714	616
Scope 1 and 2 Emissions (tonnes CO ₂ e) per Million Dollar of Sales	590	720	617
Landfill Gas Management ¹⁷			
Landfill Gas Captured (MMBtu)	5,078,679	13,611,646	13,330,805
Methane Destruction through Landfill Gas Capture and Control Systems (tonnes CO ₂ e)	2,446,855	6,558,781	6,490,708
Landfill Gas Flared (% of captured)	50.80%	61%	70%
Landfill Gas Recovered for Beneficial Use (% of captured)	49.20%	39%	30%
Landfill Gas Recovered for Beneficial Use (MMBtu) ¹⁸	2,499,087	5,267,051	4,011,694

¹⁵ Adjusted to reflect portion of the year GFL had operational control over acquired and divested landfills with renewable energy generation projects.

¹⁶ Credits are third party verified and registered on the CSA Clean Projects Registry. Reported based on the vintage year of the registered credits.

¹⁷ 2021 landfill gas management data has been restated to reflect the portion of the year GFL had operational control over acquired and divested landfills with renewable energy generation projects. 2021 to 2022 reductions in landfill gas captured and beneficial use and increase in landfill gas flared is the result of the transition and upgrading of landfill gas collection systems to increase RNG production at our landfills.

¹⁸ In preparation for transition to renewable energy projects in development at 3 landfills, landfill gas to electricity plants at these sites came off-line resulting in a 25% reduction in beneficial use of landfill gas (and the appearance of negative progress toward our goal). These renewable energy projects are expected to come on-line in 2023 and 2024.

2022 ESG Data Summary Table

	2020	2021	2022
Energy Consumption, Generation and Intensity			
Energy Consumption (MWh)			
Total Energy Use ¹⁹	2,219,663	2,974,562	3,283,363
Non-renewable Fuels Consumed	1,881,114	2,601,517	2,960,919
Non-renewable Electricity Consumed	200,812	204,333	201,548
Renewable Fuels Consumed	137,737	168,147	120,895
Renewable Electricity Consumed ²⁰	Not reported separately	564	0
Energy Generated from GFL Operations (MWh) ²¹			
Total Energy Generated	103,981	56,279	29,280
Landfill Gas to Electricity	102,653	55,004	28,735
Landfill Gas to RNG (includes pipeline and other thermal uses)	1,328	1,275	544
Energy Intensity (MWh per Million Dollar of Sales) ²²			
Overall Consumption (non-renewable and renewable, fuels and electricity)	402	538	486
Non-renewable Consumption (fuels and electricity)	365	501	456
Renewable Consumption (fuels and electricity)	36.3	37	30
Air Emissions (tonnes) ²³			
NOx Emissions (LFG combustion only)	190	389	284
SOx Emissions (LFG combustion only)	120	58	57
VOC Emissions (LFG combustion only)	387	342	349
HAP Emissions (LFG combustion only)	261	195	191

¹⁹ Total energy usage data for 2021 has been restated due to changes in our reporting of our renewable energy use.

²⁰ Does not include renewable electricity sources consumed as part of the local or regional electrical grid mix.

²¹ 2021 to 2022 reductions in energy generation is primarily the result of divestitures. In preparation for transition to renewable energy projects in development at 3 landfills, landfill gas to electricity plants at these sites came off-line resulting in a 25% reduction in beneficial use of landfill gas (and the appearance of negative progress toward our goal). These renewable energy projects are expected to come on-line in 2023 and 2024.

²² 2021 energy intensity figures have been restated based on changes described above for total energy use.

²³ 2021 air emissions were restated for consistency with methodology changes implemented in 2022 and improved consistency in calculated emissions at our landfills.

2022 ESG Data Summary Table

Workforce Data	2021	2022
Employees by Region (as of December 31 st , for the calendar year)		
Canada	8,928	9,206
U.S.	9,236	10,757
Total	18,164	19,963
Employees by Payment Type		
Hourly Employees (%)	81.0%	80.4%
Salaried Employees (%)	19.0%	19.6%
Employee Turnover & Tenure		
Voluntary Turnover Rate (%)	26.6%	26.2%
Average Tenure (yrs.)	5.6	5.4
Workforce Diversity		
Age - Total Workforce by Generation (CAN & U.S.)		
Generation Z and later (Born 1997+)	41.1%	7.6%
Generation Y (Born 1981-1996)		34.4%
Generation X (1965-1980)	40.1%	40.4%
Baby Boomers and earlier (1964 or earlier)	18.7%	17.7%
Named Executive Officers		
Percentage Women	40.0%	40.0%
Total Workforce		
Percentage Women	16.5%	17.4%
Percentage Women in Top Management Positions ²⁴	21.2%	23.1%

²⁴ Definition for Top Management is aligned with S&P Global's Corporate Sustainability Assessment.

²⁵2021 Top Management % restated to reflect updated management designations.

Workforce Data	2021	2022
Total U.S. Workforce Information		
Ethnic Diversity - By Position		
Percentage in Top Management	11.1% ²⁵	26.3%
Percentage in Hourly Positions	40.1%	42.6%
Percentage in Salaried Positions	14.4%	18.9%
Percentage of Total U.S. Workforce		
Asian	0.3%	0.4%
Black or African American	26.5%	26.4%
Hispanic	7.3%	9.8%
White	55.4%	55.3%
Two or More Races	1.2%	1.3%
American Indian/ Alaska Native	1.0%	0.8%
Native Hawaiian / Pacific Islander	0.1%	0.2%
Chose Not To Disclose	7.1%	5.8%
Additional U.S. Workforce Information		
Employees with Disabilities	3.1%	3.3%
Veteran Status	6.2%	6.2%
Health & Safety		
TRIR	3.9	3.2

2022 ESG Data Summary Table

Workforce Data	2021	2022
Labour Practices		
% of Workforce Covered by Collective Agreements	12.6%	9.1
Number of Work Stoppages	0	0
Total Idle Days	0	0

Governance	2021	2022
Board of Directors		
Percentage Women	13.0%	22.2% ²⁶
Percentage Ethnic Minority	Not reported	11.1% ²⁷

²⁶ In April 2023, GFL appointed Sandra Levy to its Board of Directors expanding the Board to 10 directors, three of whom are women.

²⁷ As of April 2023, this percentage is 20%.

²⁸ Represents donations allocated in 2022 calendar year.

²⁹ Represents membership fees and other fees related to policy development.

Community Support & Outreach	2021	2022
Charitable Donations		
Full Circle Project Donations (CAD)	\$1,002,064	\$1,495,160 ²⁸
Contributions/Spending for Trade Associations and Other Tax-Exempt Groups (CAD) ²⁹		
National Waste and Recycling Association (NWRA): NWRA's mission is to promote and protect the waste and recycling industry through the strategic application of award-winning, results-driven advocacy; our values include honesty, transparency and accountability.		\$164,472
Ontario Waste Management Association: Environmental services association representing the waste management and recycling sector. Advocates on behalf of waste management sector, develops detailed research and provides expert advice focusing on creating a cleaner environment and moving toward a more circular economy.		\$49,638
The Compost Council of Canada: National non-profit, member-driven organization dedicated to advocating and advancing organics residuals recycling and compost use. The Council serves as the central resource and network for the compost and organics recycling industry in Canada and, through its members, contributes to the environmental sustainability of the communities in which they operate.		\$4,972
PAC Global: In 1950, PAC Global was formed as a corporation to foster a community where companies from across the packaging value chain could come together to collaborate, innovate, and educate. Alongside the transition to renewable energy and increased energy efficiency, PAC identifies that we must transform our requirements for making, using, and disposing of products – including packaging. This approach prioritizes elimination/reduction, reuse, and greatly improved recycling and composting, alongside firm commitments to minimize chemicals of concern. GFL participates to support efforts being made to transition to a more circular economy.		\$4,576
RNG coalition: RNG Coalition is a non-profit organization dedicated to the sustainable advancement of renewable natural gas (RNG) as a clean, green, alternative and domestic energy resource - and as a key component and partial solution to addressing global climate change. RNG Coalition was formed to provide an education platform and advocacy voice for the protection, preservation and promotion of renewable natural gas. GFL's membership in this coalition is to support the advocacy and participate in the educational aspects of the organization.		\$46,050

