ESG Performance Index 2022



Sustaining energy and water for life





2022 ESG performance index¹

Summary			Histo	orical
Environment		2022	2021	2020
	Scope 1	2,542,820 [†]	2,282,609	2,582,317
Greenhouse gas (GHG) emissions (Mt CO ₂ e) ²	Scope 2	89,200†	97,106	87,014
	Intensity (Mt CO ₂ e/\$USD revenue)	0.0010	0.0011	0.0013
	Power generation assets: MWh consumed/MWh generated	0.79	0.88	1.13
Energy consumption intensity	Algonquin/Liberty: MWh consumed/\$USD revenue	0.0042	0.0047	0.0066
	Regulated business: MWh consumed/customer connections	8.73	8.65	11.56
	Water delivered	157,545	106,737	73,130
Water usage (thousand m³)	Water withdrawal	204,397 ⁺	145,250	69,033
	Water discharge	80,357 [†]	73,642	26,188
Social		2022	2021	2020
Total number of employees		3,944⁺	3,464	3,429
	Board	44.4%	37.5%	33.3%
Face of a constant of	Executive Team	44.4%	40.0%	37.5%
Female representation	Leadership roles – Canada and US only ³	31.0%	30.0%	32.2%
	Workforce – Canada and US only	33.4%	32.9%	32.8%
	Workforce fatalities	O ⁺	0	0
Health and safety	Lost Time Injury Rate (LTIR) – Canada and US only	0.03	0.00	0.04
	Recordable Injury Rate (RIR) – Canada and US only	0.52	0.56	0.84
El-sanisia contribus limbalia.	System Average Interruption Duration Index (SAIDI)	138.00 [†]	187.36	115.92
Electricity grid reliability	System Average Interruption Frequency Index (SAIFI)	1.13 [†]	1.30	1.01
Community investment (\$USD millions)		31.2 ⁺	34.9	18.1
Governance		2022	2021	2020
Incidents of corruption		O ⁺	0	0
Legal actions for anti-competitive practices		1†	0	1
Violations involving rights of indigenous peoples		O ⁺	0	0
Substantiated complaints received regarding custome	er privacy	O [†]	0	0

[†] See breakdown by country under the heading "2022 ESG performance index - country breakdown" beginning on pg. 23.

^{1.} Scope of disclosure: Unless explicitly noted, annual data herein is presented for the fiscal year beginning on January 1 and ending on December 31 of the specified year, and data reflecting a specific point in time is given as at December 31 of the specified year. Unless specifically noted, all relevant metrics include Bermuda and Chile. Unless explicitly noted, all relevant metrics are provided for operationally controlled assets only, and data is provided on a 100% basis for each such asset. Historical data that was not available is represented by "-".

^{2. 2020} and 2021 GHG emissions have been recalculated following Algonquin's GHG Base Year Recalculation Policy, to include full-year emissions from Liberty New York Water. Previously published emission figures (2017–2021) will differ. See footnote 22 for details.

^{3.} Leadership roles refer to employees in the following job levels: Executive, Senior Vice President, Vice President, President, Senior Director, and Senior Manager.

Operational metrics

Operational metrics			Histo	rical
Utility connections		2022	2021	2020
Electricity		308,698 [†]	307,000	306,000
Natural gas		375,000 [†]	373,000	371,000
Water and wastewater		559,562 [†]	413,000	410,000
	Total	1,243,260	1,093,000	1,087,000
Energy delivered to our customers		2022	2021	2020
Electricity (GWh) - regulated (retail)		6,749	6,471	5,892
Electricity (GWh) – unregulated (contractual agreements)		8,179	6,851	5,046
	Total electricity (GWh)	14,927	13,322	10,937
	Total electricity (PJ)	53.7	48.0	39.4
Natural gas (PJ)		43.8	41.6	41.8
	Total (PJ)	97.5	89.5	81.1
Water and wastewater services provided to our customers		2022	2021	2020
Water provided (thousand m³)		157,545	106,737	73,130
Wastewater treated (thousand m³)		12,238	10,478	9,596
Electricity generation capacity (MW) ⁴		2022	2021	2020
Natural gas ⁵		1,496 [†]	1,496	1,496
Heavy fuel oil		140 [†]	140	140
Wind		2,593 [†]	2,537	1,452
Hydroelectric		132 [†]	134	134
Solar		332 [†]		
		332	329	258
	Total	4,692 [†]	329 4,636	
	Total Renewable energy total			258

^{4.} MW capacity is based on installed generator nameplate capacity. Facilities that are not operationally controlled by Algonquin are excluded.

^{5.} Includes 100% nameplate capacity of the State Line natural gas facility.

Operational metrics (continued)			Histo	rical
Net electricity generated (GWh)		2022	2021	2020
Natural gas		4,434 [†]	3,784	4,635
Heavy fuel oil		545 [†]	563	85
Wind		8,277 [†]	7,332	3,833
Hydroelectric		601 [†]	583	543
Solar		627 [†]	575	404
	Total	14,484⁺	12,838	9,499
	Renewable energy total	9,505 [†]	8,490	4,779
	Renewable energy portfolio (%)	66% [†]	66%	50%
Customer satisfaction		2022	2021	2020
J.D. Power CSAT Score ⁶		699	703	686
Percentage of customer emails sent ⁷		35%	35%	33%
Energy reliability		2022	2021	2020
SAIDI (minutes)		138.00 [†]	187.36	115.92
SAIFI (rate)		1.13 [†]	1.30	1.01
CAIDI – Customer Average Interruption Duration Index (minutes)		122.22 [†]	143.81	114.77
Electricity transmission and distribution		2022	2021	2020
Length of transmission lines (km) – US only		2,026	2,021	2,279
Length of distribution lines (km) – US only		13,917	13,780	13,616
Transmission losses in % – US only		2.90%	2.90%	2.90%
Technical distribution losses in % – US only		4.30%	4.20%	4.20%
				2020
Natural gas transmission and distribution		2022	2021	2020
		2022	2021 16	2020
Natural gas transmission and distribution Length of transmission lines (km) Length of distribution lines (km)				

^{6.} Algonquin's J.D. Power Customer Satisfaction (CSAT) score is calculated internally based on J.D. Power CSAT scores for each of Algonquin's individual utilities in the Canada and the US. Scores are consolidated into an enterprise-wide value, based on a customer connection weighting.

^{7. 2022} data has been revised to include the percentage of emails sent to our customers. 2021 and 2020 data have also been revised.

Operational metrics (continued)		Hist	orical
Water utility water mains and sewer pipes	2022	2021	2020
Length of water mains (km)	8,341 ^{†8}	7,181	3,208
Length of sewer pipes (km)	3,148 ⁺	3,153	980
Cybersecurity	2022	2021	2020
Substantiated complaints received concerning breaches of customer privacy	0+	0	0
Identified leaks, thefts, or losses of customer data	O [†]	0	0
Economic value generated and distributed (\$USD millions)	2022	2021	2020
Economic value generated (EVG) – revenue	2,981.7 [†]	2,561.5	1,849.9
Economic value distributed (EVD)			
Operation costs	1,646.2 [†]	1,174.2	740.6
Employee wages and benefits	342.5 [†]	352.8	294.7
Payments to providers of capital	660.1 [†]	535.1	453.1
Payments to government – Canada and US only	5.5⁺	5.0	5.6
Community Investments – Canada and US only	1.4	1.4	0.8
Economic value generated and distributed (EVG&D) by market			
Economic value retained (regulated)	303.7 [†]	391.9	241.9
Economic value retained (unregulated)	16.8 [†]	101.0	113.1
Total Economic value retained	320.5 [†]	492.9	355.1
Community engagement	2022	2021	2020
Operations with local community engagement	See regional breakdowns for detai	100%	100%
Payments under community contribution agreements, land rentals, or municipal taxes (\$USD millions) – Canada and US only	31.2 ⁺	34.9	18.1
Cash contributions (\$USD)	See regional breakdowns for detai	1,185,000	1,672,000
Management overheads	96,000	188,961	158,471
Liberty Days used – hours volunteered by employees – Canada and US only	10,697	5,334	3,375

^{8.} The increase in the length of water mains in 2022 was due to the inclusion of New York American Water.

Workforce and social indicators

Health and Safety ⁹			Histo	orical	
Work-related injury		2022	2021	2020	
	Employees	O [†]	0	0	
Fatalities from work-related injury	Non-employees	O [†]	0	0	
Doogradahla injurios	Employees	21 [†]	19	21	
Recordable injuries	Non-employees	N/A ¹⁰	2	2	
RIR – Canada and US only		0.52 ^{† 11}	0.56	0.84	
	Work-related injuries include:	The primary work-related injuries identified for employees in 2 are muscle strains, cuts, and abrasions.			
Link apparent and usual value of initial and an analysis	Employees	1†	0	1	
High-consequence work-related injuries (number)	Non-employees	O [†]	2	2	
LTIR – Canada and US only		0.03	0.00	0.04	
Near Miss Frequency Rate (NMFR) — Canada and US only		13.66	30.00	32.97	
	Work-related hazards posing high-consequence injury risk:	Identified through job s primary high-consequ electrical shocks, falls f High-consequence wo period are potential fo with ergonomic stresso	ence work-related inju rom heights, and struc rk-related injuries inclu r electric shock or burn	ries include k against injuries. Ided in this reporting	
Total hours worked by employees		7,913,991 [†]	7,368,526	5,204,161	

^{9.} Algonquin does not have total hours worked by contractors and cannot normalize OH&S metrics. Algonquin will be seeking to improve OH&S disclosure for contractors.

^{10.} Safety rates are typically reported based on the overall performance of contractors and cannot be specifically obtained for activities carried out on "Liberty sites." As a result, the precise rates pertaining to these sites are currently unavailable.

^{11.} Chile and Bermuda RIR data is available in the country breakdown section.

Health and Safety (continued)			Histo	orical
Work-related ill health		2022	2021	2020
Formulation for an account and asked till be order	Employees	O ⁺	0	0
Fatalities from work-related ill health	Non-employees	O [†]	0	0
December work related ill health ages	Employees	O ⁺	0	0
Recordable work-related ill health cases	Non-employees	O [†]	0	0
	Work-related hazards posing ill health risks:	Identified through job safety analysis a primary work-related hazards posing il soft muscle injury and chemical expos ill health injuries were reported in 2022.	l-health risks ure. Zero wor	include
	Injury elimination/mitigation strategy:	Algonquin's injury elimination/mitigation local action plans and a five-year occusafety plan following the hierarchy of control of the contro	upational he	alth and
Workers covered by an environmental, health, and	safety (EHS) management system	2022	2021	2020
Workers covered by EHS system		100%	100%	100%
Workers covered by internally audited EHS system	Employees	100% ^{†12}	40%	35%
workers covered by internally dualited Ens system	Non-employees	100%	100%	100%
Employees covered by externally audited EHS system ¹³	Canada and US	N/A ¹⁴	5%	5%
Employee demographics			Histo	orical
Number and geographic location of employees		2022	2021	2020
O control o	Permanent	665	564	500
Canada	Temporary	18	25	21
US	Permanent	2,424	2,064	2,113
US	Temporary	14	13	15
Pormuda	Permanent	366	345	341
Bermuda	Temporary	1	12	
Chile	Permanent	456	422	439
OT IIIG	Temporary	0	19	-
	Total Algonquin/Liberty workers	3,944	3,464	3,429
	Algonquin/Liberty employees	See regional breakdowns for detail	67.5%	72.6%
		_ , , , , , , , , , , , , , , , , , , ,		

^{12.} During the years 2020 and 2021, audits were primarily concentrated on specific parts of the company. However, the auditing process was limited and affected by the constraints imposed by the COVID-19 pandemic. With the easing of COVID-19 restrictions, we have resumed conducting in-person audits to ensure a more comprehensive assessment of safety measures and practices within the company.

Non-employees

27.4%

32.5%

See regional breakdowns for detail

^{13.} Our Chile operation is ISO 45001 certified while our US, Canada, and Bermuda operations have internal management systems in place.

^{14.} No external audits were conducted in 2022.

Employee demographics (continued)			Historical		
By age group			2022	2021	2020
		< 30 years	See regional breakdowns for detail	11.0%	11.5%
Age ranges		30-50 years	See regional breakdowns for detail	55.3%	52.4%
		> 50 years	See regional breakdowns for detail	33.8%	36.1%
Average age (years)			2022	2021	2020
emale employees			See regional breakdowns for detail	45	45
Male employees			See regional breakdowns for detail	44	45
		All employees	See regional breakdowns for detail	44	45
Gender and employment categori	es		2022	2021	2020
		Female	See regional breakdowns for detail	40.5%	42.7%
Employee function by gender	Office	Male	See regional breakdowns for detail	59.5%	57.3%
	Field	Female	See regional breakdowns for detail	3.1%	3.3%
	rieid	Male	See regional breakdowns for detail	96.9%	96.7%
	Senior managers and above	Female	See regional breakdowns for detail	30.4%	32.2%
mployee level by gender		Male	See regional breakdowns for detail	69.6%	67.8%
Tiployee level by gerider	Middle managers	Female	See regional breakdowns for detail	31.3%	35.8%
	Middle managers	Male	See regional breakdowns for detail	68.8%	64.2%
Age and employment categories			2022	2021	2020
		< 30 years	See regional breakdowns for detail	11.2%	11.2%
	Office	30-50 years	See regional breakdowns for detail	55.2%	52.5%
		> 50 years	See regional breakdowns for detail	33.7%	36.2%
mployee function by age		< 30 years	See regional breakdowns for detail	10.0%	12.3%
	Field	30-50 years	See regional breakdowns for detail	55.9%	52.0%
		> 50 years	See regional breakdowns for detail	34.1%	35.7%
		< 30 years	See regional breakdowns for detail	0.0%	0.0%
	Senior managers and above	30-50 years	See regional breakdowns for detail	37.7%	49.7%
mployoo loyol by ago		> 50 years	See regional breakdowns for detail	62.3%	50.3%
mployee level by age		< 30 years	See regional breakdowns for detail	0.0%	2.8%
	Middle managers	30-50 years	See regional breakdowns for detail	51.4%	59.9%
		> 50 years	See regional breakdowns for detail	48.6%	37.3%

Employee demographics (continued)			Histo	orical
Collective bargaining agreement coverage – Canada and U	S only	2022	2021	2020
Percentage of ampleyage who are adjarted	Canada	100%	73%	73%
Percentage of employees who are salaried	US	67%	7070	7070
Percentage of employees covered by collective bargaining agreements	Canada	0%	27%	27%
referritage of employees covered by collective bargaining agreements	US	33%	27.70	_, .,
Gender and self-identification		2022	2021	2020
Vomen		See regional breakdowns for detail	32.9%	32.8%
Men		See regional breakdowns for detail	67.1%	67.2%
self-identified minorities		See regional breakdowns for detail	13.7%	9.8%
Self-identified veterans		See regional breakdowns for detail	3.1%	2.0%
Self-identified employees with disability		See regional breakdowns for detail	0.3%	0.5%
By employment contract ¹⁵		2022	2021	2020
Permanent employees	Female	1,192 ⁺	860	857
	Male	2,719 ⁺	1,768	1,756
	Female	20 [†]	18	13
Temporary employees	Male	13 [†]	20	23
By employment type ¹⁵		2022	2021	2020
	Female	1,196 [†]	869	865
ull-time employees	Male	2,722 [†]	1,777	1,766
art time employees	Female	12 ⁺	8	5
art-time employees	Male	4 [†]	6	8
Casual employees	Female	4 [†]	1	0
asuai empioyees	Male	6 [†]	5	5
emale representation		2022	2021	2020
ull management positions – Canada and US only		32.0%	33.2%	34.3%
unior management positions – Canada and US only		32.2%	35.9%	35.8%
op management and above – Canada and US only		29.6%	30.4%	32.2%
Revenue-generating positions – Canada and US only		18.6%	31.3%	31.9%
STEM-related positions – Canada and US only		27.9%	25.5%	26.3%

^{15.} Historical numbers do not include our operations in Chile and Bermuda.

Employee demographics (continued)		orical		
Leadership roles (senior manager and above)		2022	2021	2020
Women – Canada and US only		30.98%	30.0%	32.2%
Men – Canada and US only		69.02%	70.0%	67.8%
Self-identified minorities – Canada and US only		11.46%	10.7%	8.6%
Executive team		2022	2021	2020
Members		9	10	8
Women		44.4%	40.0%	37.5%
Men		55.6%	60.0%	62.5%
Self-identified minorities		11.1%	10.0%	12.5%
Self-identification of employees working in the US ¹⁶		2022	2021	2020
Percentage of employees working in the US		63.2%	60.0%	80.3%
	Asian	1.9%	1.8%	1.5%
	Black or African American	3.7%	4.0%	2.1%
Chara of rapid others and indigenous self-identifications	Hispanic or Latino	6.9%	6.8%	4.7%
Share of racial, ethnic, and indigenous self-identifications	Caucasian	78.6%	83.7%	62.5%
	Indigenous or Native	0.9%	1.1%	1.1%
	Other	8.0%	2.6%	28.2%
Employee pay ratios – Canada and US only		2022	2021	2020
	Canada	50.62		50.00
Pay ratio of CEO total compensation to median employee compensation ¹⁷	US	48.79	55.02	50.82
Description (bimbook points and discription	Canada	6.36	9.23	9.50
Base pay ratio (highest paid to median) by region	US	3.60	3.56	3.62
Calany arouth ratio (highest paid to modian) by region	Canada	1.76	(0.23)	0.73
Salary growth ratio (highest paid to median) by region	US	1.65	0.63	0.61

^{16.} Self-identification declarations are voluntary in Canada.

^{17.} CEO compensation used in the calculation includes Base Salary (BS), Short-Term Incentive Pay (STIP), Long-Term Incentive Pay (LTIP), cash allowance for business use vehicle, and compensatory change (pension) for the reporting year. Median employee compensation includes salaries, wages, bonuses, incentives, benefits, and any other forms of remuneration where applicable. The calculation has included all employees, including senior executives but excluding CEO. Historical ratios have been updated to reflect the definition change of the calculation.

Employee demographics (continue	nployee demographics (continued)			Historical	
Employee compensation by gen	der and level – Canada an	nd US only	2022	2021	2020
	Executive (base pay only)		0.82	0.94	0.85
	Executive (base pay + other)		0.70	-	0.61
	All managers and above	Canada	0.95	0.00	0.92
Equal pay ratio (female/male) by level	(base pay only)	US	0.96	0.93	0.92
Equal pay ratio (ternale/male) by level	All managers and above	Canada	0.87	0.92	0.91
	(base pay + other)	US	0.95	0.92	0.91
	Non-managers	Canada	0.94	0.75	0.75
	(base pay only)	US	0.74	0.75	0.75
	Office	Canada	0.78	0.77	0.77
Equal pay ratio (female/male)	l pay ratio (female/male)	US	0.67		0.77
by function		Canada	0.74		0.89
		US	0.81		0.09
Equal pay ratio (female/male) by region		Canada	0.84	0.90	0.88
Equal pay ratio (terriale/male) by region		US	0.80	0.80	0.80
Women in top 10% of salaries		Canada	30.0%	27.0%	28.7%
women in top 10% of salaries		US	23.0%	27.0%	20.7 %
Ratios of entry level wage to locc	ıl minimum wage (by regio	on and gender)	2022	2021	2020
		Female	1.48	1.80	1.76
Canada		Male	1.56	1.53	1.46
		Female	1.42	1.18	1.26
US		Male	1.40	1.83	2.52
Employee attraction and retention	on				
Hiring rates			2022	2021	2020
Percentage of open positions filled by inte	ernal candidates		36.0%	26.0%	20.0%

Total number of employee hires

Hiring rates (continued)			2022	2021	2020
Employees bired by gender	Female		See regional breakdowns for detail	0.39	0.39
Employees hired by gender	Male		See regional breakdowns for detail	0.61	0.61
Employees hired by region (ratio between Canada and US)	Canada		0.33	0.44	0.32
Employees filled by region (ratio between Canada and 03)	US		0.67	0.56	0.68
Turnover rates			2022	2021	2020
Total employee turnover rate			See regional breakdowns for detail	0.15	0.07
Volunteer employee turnover rate			See regional breakdowns for detail	0.13	0.05
	Formula	Canada	0.16	0.10	0.00
	Female	US	0.16	0.18	0.08
Employee turnover rate by gender – Canada and US only	Male	Canada	0.15	0.14	0.07
	Male	US	0.14		0.07
Employee turnover rate by region — Canada and US only	Canada		0.15	0.16	0.05
Employee turnover rate by region — Canada and US only	US		0.14	0.15	0.08
Employee attraction and retention				Histo	rical
Parental leave			2022	2021	2020
	Female		See regional breakdowns for detail		
Employees entitled to parental leave	Male		acc regional breakdowns for detail	990	842
	Male		See regional breakdowns for detail	990 2,046	
Employage that took parental lague	Male Female				
Employees that took parental leave			See regional breakdowns for detail	2,046	1,720
	Female		See regional breakdowns for detail See regional breakdowns for detail	2,046 32	1,720 13
	Female Male		See regional breakdowns for detail See regional breakdowns for detail See regional breakdowns for detail	2,046 32 15	1,720 13 4
Employees that took parental leave and returned	Female Male Female		See regional breakdowns for detail	2,046 32 15 18	1,720 13 4 7
Employees that took parental leave and returned	Female Male Female Male		See regional breakdowns for detail	2,046 32 15 18	1,720 13 4 7 4
Employees that took parental leave and returned Return to work rate	Female Male Female Male Female		See regional breakdowns for detail	2,046 32 15 18 14 0.56	1,720 13 4 7 4 0.54
Employees that took parental leave Employees that took parental leave and returned Return to work rate Employees that took parental leave and were retained	Female Male Female Male Female Male Male		See regional breakdowns for detail	2,046 32 15 18 14 0.56 0.93	1,720 13 4 7 4 0.54 1.00
Employees that took parental leave and returned Return to work rate Employees that took parental leave and were retained	Female Male Female Male Female Male Female Male Female		See regional breakdowns for detail	2,046 32 15 18 14 0.56 0.93 18	1,720 13 4 7 4 0.54 1.00
Employees that took parental leave and returned Return to work rate	Female Male Female Male Female Male Female Male Male Female Male		See regional breakdowns for detail	2,046 32 15 18 14 0.56 0.93 18 14	1,720 13 4 7 4 0.54 1.00 7

Defined benefit plan			2022	2021	2020
	Employee	Canada	1%	00.	20:
Salary contributed by employee/employer –	Employee	US	8%	0%	0%
Canada and US only	Employer	Canada	5%	4% - 8%	4% - 8%
·	Employer	US	401{k} = 3.6% Pension = 8.5%	4% - 6%	4%-0%
evel of participation in retirement pl	lans – Canada and US only		100%	100%	100%
		Defined benefits plan and other retirement plans:	 Plan's liabilities are met by organize Separate fund exists to pay for the Scheme's liabilities are 100% covere basis calculated annually 	plan's pension	liabilities
Employee engagement			2022	2021	2020
Employee engagement score			See regional breakdowns for detail	62%	73%
Percentage of employees covered			See regional breakdowns for detail	83%	88%
earning and development				Histo	rical
Fraining ¹⁸			2022	2021	2020
	Female		22.0 [†]	18.0	13.6
Average training hours by gender	Male		20.0 [†]	17.0	14.6
	Senior managers and above ¹⁹		10.0 [†]	21.0	13.5
Average training hours by level	Middle managers ²⁰		15.0 ⁺	26.0	17.3
Average training hours	Office		18.0 [†]	18.0	13.1
by job function	Field		23.0 [†]	16.0	17.8
Average training hours per employe	е		21.0 [†]	15.0	14.0
Average amount spent per employe	ee on training (\$USD/employee)		1,050 ⁺	1,469	1,361
Amount invested in employee trainir	na (\$USD) ²¹		3,644,131†	2,792,187	2,047,115

2022

100%22

2021

100%

Percentage of employees who received performance review - Canada and US only

Performance reviews

2020

100%

^{18.} The data presented in column 2022 includes Algonquin's operations in Canada, US, and Bermuda (both regulated and unregulated).

^{19.} Historical definition of Senior Manager included positions of Senior Manager and above. 2021 and 2022 definition has been revised to Vice President and above.

^{20.} Historical definition of Middle Manager included positions of Managers up to Team Leaders. 2021 and 2022 definition has been revised to Senior Directors and Directors.

^{21.} Investments in employee training only include hard costs (costs directly related to the production, development, and administration of training initiatives).

^{22.} Only regular full-time, regular part-time, and non-union employees who have joined before September 30 were eligible for performance review.

Non-discrimination (continued)	Historical
--------------------------------	------------

Discrimination incidents	2022	2021	2020
Number of incidents of discrimination	1†	3	8
Number of incidents reviewed by Algonquin	1†	3	8
Number of incidents no longer subject to action	1†	3	8

Remediation plans implemented and/or being implemented

All actions that were recommended were completed.

Governance and policy

, , , , , , , , , , , , , , , , , , ,				
Board of directors			Histo	orical
Experience and background		2022	2021	2020
Independent directors		8	8	8
Average tenure (years)		5.9	5.3	7
Directors with operational experience ²³		4	7	9
Directors with governance and/or risk management experience		9	9	9
Directors with senior executive experience		8	8	7
	Total Board members	9	9	10
Demographics		2022	2021	2020
By gender	Female	44%	40%	33%
	Male	56%	60%	67%
	< 30 years	0%	0%	0%
By age	30-50 years	0%	0%	0%
	> 50 years	100%	100%	100%
Compliance			Histo	orical
Indigenous relations		2022	2021	2020
Violations involving rights of indigenous peoples		0+	0	0
Human rights		2022	2021	2020
Operations subject to human rights reviews and impact assessments	Canada	100%	100%	100%
Operations subject to human rights reviews and impact assessments	US	100%	100%	100%

^{23.} The number of directors with operational experience has decreased due to the modification of criteria which previously included directors with utility/energy experience.

Compliance (continued)		Histo	rical
Anti-corruption Anti-corruption	2022	2021	2020
Operations assessed for corruption-related risks (government relations, conflicts of interest, and foreign interests) ²⁴	100% [†]	100%	100%
Board of directors and employees who received anti-corruption communications and received anti-corruption policy training ²⁵	100%	100%	100%
Incidents of corruption and actions taken	O [†]	0	0
Percentage of employees who completed annual Code of Business Conduct and Ethics training	100%	100%	100%
Number of times Ethics Reporting Line was used	17 [†]	23	10
Anti-competitive behaviour	2022	2021	2020
Legal actions for anti-competitive behaviour, anti-trust, and monopoly practices	1†	0	1
Social and economic compliance	2022	2021	2020
Total monetary value of significant fines (\$USD millions)	0	4	1
Number of non-monetary sanctions	0	0	0
Political spending	2022	2021	2020
Amount spent on lobbying (\$USD)	1,068,200 [†]	745,000	807,397
Amount spent on trade associations (\$USD)	1,208,800 [†]	1,042,000	785,000

^{24.} Algonquin has not performed risk assessments for all our operating assets, and our approach to risk assessment is not solely focused on "corruption." We have conducted risk assessments for activities related to corruption based on the available resources and collaboration with the business. However, there is still a possibility of unidentified corruption-related risks that may exist.

^{25.} Currently, anti-corruption training is embedded into the Annual Code of Business Conduct and Ethics training.

Environment

GHG emissions (Mt CO ₂ e) ²⁶⁻²⁹			Histo	orical
Scope 1 emissions ³⁰		2022	2021	2020
Power generation – thermal ³¹		2,250,381	1,984,603	2,297,508
Power generation – renewable ³²		580	472	521
Utilities – electric		12,059	17,343	6,840
Utilities – natural gas		73,662	79,728	82,037
Utilities – water/wastewater		205,916	200,228	194,139
Other uncategorized ³³		223	235	1,274
	Total Scope 1 emissions	2,542,820	2,282,609	2,582,317
Scope 2 emissions ³⁴		2022	2021	2020
Power generation – thermal		250	392	278
Power generation – renewable ³⁵		3,212	2,514	1,786
Utilities – electric		16,188	17,529	16,752
Utilities – natural gas		1,614	2,001	1,294
Utilities – water/wastewater		67,883	74,576	66,650
Other uncategorized		53	94	253
	Total Scope 2 emissions	89,200	97,106	87,014

- 26. GHG gases included in calculations: CO₂, CH₄, N₂O, and SF₆: Global Warming Potentials (100-year time horizon) published in the IPCC Fourth Assessment Report are used in the emissions calculation. All emission figures are in metric tons CO₂e (Mt CO₃e). 2022 Scope 1 and 2 emissions by gas type: CO₃: 2,355,771 Mt CO₃e, CH₄: 266,185 Mt CO₃e, N₂O: 3,118 Mt CO₃e, and SF₆: 6,947 Mt CO₃e.
- 27. GHG emissions are calculated following the Greenhouse Gas Protocol Corporate Standard (GHG Protocol) and Corporate Value Chain (Scope 3) Account and Reporting Standard. Emission factors are sourced from best-practice references such as the Canadian National Inventory Report (NIR, published in 2022), USEPA's GHG Emission Factors Hub (published in 2022), IEA's Emissions Factors Database (published in 2022), and UK DEFRA's GHG Conversion Factors (published in 2022). Regarding emission factors for grid electricity, US facilities use 2020 eGRID factors published by USEPA in 2022, Chile facilities use 2020 factors published by IEA in 2022, and Canadian facilities use 2019 factors published in the 2022 NIR.
- 28. GHG emissions are consolidated through an operational-control approach.
- 29. Base year identification: 2017. Base year and historical year GHG emissions have been recalculated following Algonquin's GHG Base Year Recalculation Policy to include full-year emissions from Liberty New York Water. A baseline recalculation is required when the following conditions are met: the facilities in operation in the reporting year changed from those in the base year in a non-organic way; changes in calculation methods, data monitoring, emissions factors and other assumptions have taken place; errors have been discovered in calculation methods and assumptions; operational boundaries have been modified in comparison to the base year; and the cumulative effect of expected changes from the base year recalculation exceed 5% of base year emissions. The recalculated Scope 1 and 2 emissions in 2017 are 3,759,264 Mt CO₂e and 88,248 Mt CO₂e, respectively.
- 30. Immaterial sources include fugitive emissions leakage of refrigerants used in buildings and release of CO, from fire extinguishers.
- 31. This category includes Algonquin's thermal power generation facilities in the US and Bermuda.
- 32. This category includes Algonquin's wind, solar, and hydroelectric power generation facilities that were fully operating in 2022 from both regulated and unregulated businesses.
- 33. This category includes all other sites that are not included in above categories, such as some office buildings. Due to the change of the GHG calculation platform starting from the 2021 reporting year, the included sites under this category in 2020 are slightly different from 2021 and onwards.
- 34. Scope 2 emission figures are location-based. Market-based emissions are equal to location-based emissions because there are no contractual instruments used in the calculation of Scope 2 emissions.
- 35. Historical Scope 2 emissions from renewable power generation facilities were adjusted to remove the Tinker hydroelectric facility, as it has been using self-generated renewable electricity.

GHG emissions (Mt CO₂e)(continued)

Scope 1 and Scope 2 emissions and emission intensities		2022	2021	2020
	Total Scope 1 + 2 emissions	2,632,020	2,379,715	2,669,331
Total emissions from power generation (Mt CO ₂ e)		2,254,423	1,987,981	2,300,093
Emission intensity – power generation (Mt CO ₂ e from power generation/MWh power generation)		0.1608	0.1997	0.2091
Emission intensity – revenue (Mt CO ₂ e/\$USD revenue)		0.0010	0.0011	0.0013
GHG reduction below 2017 baseline (%)		-31.6%	-38.1%	-30.6%
Scope 3 emissions ³⁶		2022	2021	2020
Category 3 – Fuel and energy-related activities (not included under Scope 1 and 2)37		1,161,196	1,081,376	1,088,463
Category 11 – Use of sold product ³⁸		2,205,268	2,092,670	2,102,071
Category 15 – Investments ³⁹		1,878,009	2,041,826	1,867,132

Other emissions (Mt)		Histo	orical
Other emissions from electricity generation (Mt) ⁴⁰	2022	2021	2020
NO _x emissions	508	483	493
SO _x emissions	10	11	10
Mercury emissions	0.102070	0.00000	0.00003
Particulate matter emissions	74	79	100
Lead emissions	0.0003	0.0000	0.0001
Persistent organic pollutants	-	-	-
Volatile organic compounds	16	46	84
Hazardous air pollutants	7	5	5
Ozone-depleting substances	-	-	-

- 36. All emissions for Categories 3, 11, and 15 are calculated using actual data, obtained either through Algonquin's internal tracking system, or from suppliers or other value chain partners.
- 37. This Category includes emissions from the following subcategories: 1) upstream generation emissions of distributed electricity, 2) upstream production and transmission emissions of distributed gas, 3) upstream emissions of purchased and consumed electricity, and 5) transmission and distribution loss emissions of purchased and consumed electricity. Emissions were calculated by applying appropriate upstream emission factors sourced from various jurisdictions, such as the UK DEFRA and USEPA, to the amount of fuels and electricity that Algonquin consumed and delivered.
- 38. This was calculated by applying the natural gas combustion emission factor sourced from USEPA's GHG Emission Factors Hub (published in 2022) to the total amount of natural gas that was delivered to industrial, commercial, and residential customers in the 2022 reporting year.
- 39. Investment emissions were calculated by applying Algonquin's percentage ownership to a facility's total gross Scope 1 and 2 emissions. The reported emissions include emissions from a 7.52% and 12.0% ownership in the Plum Point and latan coal power plants respectively, and approximately 43–44% ownership interest (specifically, 42.9% in 2022, 43.6% in 2021, and 44.2% in 2020) in Atlantica Sustainable Infrastructure PLC. 2021 and 2020 emissions have been updated to use Atlantica's gross Scope 1 emissions.
- 40. Metrics provided below are for US thermal facilities only.

Energy consumption and generation capacity			Histo	orical
Internal energy consumption (MWh)		2022	2021	2020
	Gasoline	32,438 [†]	39,163	17,369
	Diesel	77,591 [†]	62,123	48,282
Non-renewable sources	Liquified petroleum gas (LPG)	2,192 [†]	1,850	5,246
	Natural gas	10,152,537 [†]	8,624,164	10,583,263
	Fuel oil	1,307,337†	1,488,153	164,138
Electricity consumption		179,802 ⁺	155,334	91,954
	Total internal energy consumption (MWh)	11,751,897†	10,370,787	10,910,252
Electricity generated and sold		14,483,858	10,269,746	9,499,073
	Power generation assets: MWh consumed/MWh generated	0.79	0.88	1.13
Energy consumption intensity	Algonquin/Liberty: MWh consumed/\$USD revenue	0.0042	0.0047	0.0066
	Regulated business: MWh consumed/Customer connections	8.73	8.65	11.56
Generation capacity		2022	2021	2020
	Natural gas	1,496 [†]	1,496	1,496
	Heavy fuel oil	140 [†]	140	140
Newscaplete and scituate apparetian assets by actives (MAN)		132 [†]	134	134
Nameplate capacity of generation assets by source (MW)	Solar	332 [†]	329	258
	Wind	2,593 [†]	2,537	1,452
	Total generation capacity (MW)	4,692⁺	4,636	3,479
	Natural gas	32%†	32%	43%
	Heavy fuel oil	3% [†]	3%	4%
Energy capacity mix (%)	Hydroelectric	3% [†]	3%	4%
5/ 1 / (9	Solar	7% [†]	7%	7%
	Wind	55% [†]	55%	42%
	Total renewable generation capacity (%)	65 % [†]	65%	53%

Water and effluents			Histo	orical
Water withdrawal		2022	2021	2020
	Surface water	31,247 [†]	27,860	9,546
Water withdrawal by source (thousand m³)	Ground water	164,086 [†]	109,006	79,486
water withdrawar by source (thousand m ²)	Third-party water	9,059†	8,380	9,599
	Other source	5 ^{† 41}	1	164
	Total water withdrawal	204,397 ⁺	145,248	98,795
	Surface water	1,265 [†]	0	-
Water withdrawal from water stressed regions by source (thousand m³)	Ground water	72,968 [†]	13,560	-
water withdrawal from water stressed regions by source (thousand m²)	Third-party water	7,035 [†]	7,475	-
	Other source	0+	0	-
Water discharge		2022	2021	2020
Nater discharge by source (m³)	Surface water	52,491,457 [†]	46,574,167	12,967,475
	Ground water	261,883 [†]	136,005	350,048
	Seawater ⁴²	27,169,423 [†]	25,358,995	7,805,834
	Third-party water	434,361 [†]	1,582,615	5,064,148
	Total water discharge	80,357,124 ⁺	73,651,782	26,187,505
	Surface water	O [†]	0	-
Water discharge in water stressed regions by source (m³)	Ground water	62 [†]	58	-
water discharge in water stressed regions by source (m²)	Ocean and seawater	0+	11	-
	Third-party water	208 [†]	935	-
Water consumption		2022	2021	2020
Total water consumption (thousand m³)		22,063 [†]	74,209 ⁴³	25,665
Total water consumption in water stressed regions (thousand m³)		11,722 ⁺	4,013	-
Water utility energy usage		2022	2021	2020
Water supplied to customers (thousand m³)		157,537	117,215	82,726
Energy used by water utilities (MWh)		187,178	143,567	81,313
Energy intensity of water supply (MWh/thousand m³)		1.19	1.22	0.98

^{41. &}quot;Other source" data reported for 2021 and 2022 includes harvested rainwater from BELCO.

^{42.} Seawater discharge was from ESSAL (re-branded to Suralis in May 2023) operations.

^{43.} This number was updated in 2023. Previously, the water consumption for ESSAL was calculated using the amount of water billed. It has been updated to reflect 2021 water consumption after discounting total water delivered to customers.

Waste

Waste generation (Mt)		2022	2021	2020
Wasta caparated	Hazardous waste ⁴⁴	15,989†	51,864	20,797
Waste generated	Non-hazardous waste	17,790 [†]	25,793	312,827
	Total waste generated	33,778 ⁺	77,657	333,624
Waste diverted (Mt)		2022	2021	2020
	Reuse	O [†]	0	2
Herardous wasts diverted by recovery type (effeits)	Recycling	5,805 ⁺	6,104	9,678
Hazardous waste diverted by recovery type (offsite)	Other – recovery (including energy recovery) and composting	2,236 [†]	40,044	-
	Total hazardous waste diverted	8,041 [†]	46,148	9,680
	Reuse	O [†]	0	1,689
Non-hazardous waste diverted by recovery type (offsite)	Recycling	2,019 [†]	7,304	221,672
	Other – recovery (including energy recovery) and composting	629†	615	0.003
	Total non-hazardous waste diverted	2,648 ⁺	7,918	223,362
Waste directed to disposal (Mt)		2022	2021	2020
	Incineration with energy recovery	O ⁺	2	23
	Incineration without energy recovery	10 [†]	0	49
Hazardous waste disposed by disposal operation (offsite)	- Landfilling	7,938 [†]	5,714	10,754
	Other	O [†]	0	292
	Total hazardous waste disposed	7,948⁺	5,716	11,117
	Incineration with energy recovery	O [†]	3	549
	Incineration without energy recovery	1 [†]	0	0.15
Non-hazardous waste disposed by disposal operation (offsite)	Landfilling	15,141 [†]	17,872	77,754
	Other	O [†]	0	11,162
	Total non-hazardous waste disposed	15,142 [†]	17,875	89,465

Algonquin | 2022 ESG Performance Index

^{44.} In 2021, Liberty completed significant environmental remediation projects (in Massachusetts) which resulted in increased amounts of both hazardous and non-hazardous wastes.

Biodiversity			Histo	orical
Species impact		2022	2021	2020
Land developed for pollinators	Square feet	3,728,623	2,546,645	1,430,753
	Critical endangered	4	4	2
	Endangered	36	36	52
IUCN Red List species and national conservation list species with habitats in areas affected by operations	Vulnerable	25	25	13
	Near threatened	9	9	2
	Least concern	14	14	-
Fleet and Compliance			Histo	orical
Fleet		2022	2021	2020
Percentage of vehicle fleet using low-emission fuel		67%	68%	45%
Number of Compressed Natural Gas (CNG) capable vehicles		249	275	279
Volume of CNG Gas Gallon Equivalent used (GGE)		83	181	385
Electric ports installed for employee vehicles		161 ⁴⁵	151	97
Percentage of employees with access to electric vehicle charging at office	ce	65%46	61%	51%
Compliance with environmental laws and regulations		2022	2021	2020
Number of violations with environmental laws and regulations		See regional breakdowns for detail	24	7
Monetary value of environmental fines (\$USD millions)		See regional breakdowns for detail	3.7	0.7
Environmental liability accrued at year end (\$USD millions)		See regional breakdowns for detail	69.2	-

^{45.} This includes all charging ports located on Liberty properties including those also accessible for public use.

^{46.} This is for Canada, US, and Bermuda only.

2022 ESG performance index – country breakdown⁴⁷

Summary

Environment		Canada	US	Bermuda	Chile
OUG amainsians (N# CO a)	Scope 1	3,034	2,025,017	341,705	173,064
GHG emissions (Mt CO ₂ e)	Scope 2	344	55,789	0	33,067
Water usage (thousand m³)	Withdrawal	28	134,941	7 ⁴⁸	69,421
water usage (mousana m ^s)	Discharge	0.02	13,717	2.0448	66,638
Social		Canada	US	Bermuda	Chile
Total number of employees		683	2,438	367	456
Health and safety	Workforce fatalities	0	0	0	0
	SAIDI	N/A	140.40	118.57	N/A
Electricity grid reliability	SAIFI	N/A	1.15	0.98	N/A
Community investment (\$USD millions)		3.9	27.3	-	-
Governance		Canada	US	Bermuda	Chile
Incidents of corruption		0	0	0	0
Legal actions for anti-competitive practices		0	0	0	1
Violations involving rights of indigenous peoples		0	0	0	0
Substantiated complaints received regarding customer privacy		0	0	0	0

^{47.} Figures in this "2022 ESG performance index - country breakdown" section present 2022 data only. See footnote 1. Due to rounding or calculation of metrics, the amount may not sum to the total Algonquin figure presented above. When data is not applicable to a business operation or region, it is denoted as "N/A".

^{48.} This figure only includes BELCO.

Operational metrics

Utility connections		Canada	US	Bermuda	Chile
Electricity		N/A	302,228	6,470	N/A
Natural gas		3,934	371,066	N/A	N/A
Water and wastewater		N/A	315,725	N/A	243,837
Electricity generation capacity (MW)		Canada	US	Bermuda	Chile
Natural gas		0	1,496	0	N/A
Heavy fuel oil		0	0	140	N/A
Wind		440	2,153	0	N/A
Hydroelectric		116	16	0	N/A
Solar		10	322	0	N/A
	Total	565	3,987	140	N/A
	Renewable energy total	565	2,491	0	N/A
	Renewable energy portfolio (%)	100%	62%	0%	N/A
Net electricity generated (GWh)		Canada	US	Bermuda	Chile
Natural gas		0	4,434	0	N/A
Heavy fuel oil		0	0	545	N/A
		1,372	6,905	0	N/A
Hydroelectric		549	52	0	N/A
Solar		15	612	0	N/A
	Total	1,936	12,002	545	N/A
	Renewable energy total	1,936	7,569	0	N/A
	Renewable energy portfolio (%)	100%	63%	0%	N/A

Operational metrics (continued)

Energy reliability	Canada	US	Bermuda	Chile
SAIDI (minutes)	N/A	140.40	118.57	N/A
SAIFI (rate)	N/A	1.15	0.98	N/A
CAIDI (minutes)	N/A	122.32	121.23	N/A
Water utility water mains and sewer pipes	Canada	US	Bermuda	Chile
Length of water mains (km)	N/A	6,108	N/A	2,233
Length of sewer pipes (km)	N/A	1,191	N/A	1,957
Cybersecurity	Canada	US	Bermuda	Chile
Substantiated complaints received concerning breaches of customer privacy	0	0	0	0
Identified leaks, thefts, or losses of customer data	0	0	0	0
Economic value generated and distributed (\$USD millions)	Canada	US	Bermuda	Chile
Economic value generated (EVG) – revenue	261.1	2,359.0	267	94.6
Economic value distributed (EVD)				
Operation costs	47.0	1,409.5	147.3	42.4
Employee wages and benefits	33.3	239.4	54.2	15.6
Payments to providers of capital	55.7	593.1	6.7	4.6
Payments to government – Canada and US only	3.8	1.7	-	-
Economic value generated and distributed (EVG&D) by market				
Economic value retained (regulated)	112.6	105.7	58.8	26.6
Economic value retained (unregulated)	8.7	8.1	0.0	0.0
Total Economic value retained	121.3	113.8	58.8	26.6
Community engagement	Canada	US	Bermuda	Chile
Operations with local community engagement	50%	60%	40%	-
Payments under community contribution agreements, land rentals, or municipal taxes (\$USD millions) – Canada and US only	3.9	27.3	-	-
Cash contributions (\$USD)	\$152,726	\$791,749	-	\$33,979

Workforce and social indicators

Health and Safe	etv	
-----------------	-----	--

Work-related injury		Canada	US	Bermuda	Chile
Catalities from work related injury	Employees	0	0	0	0
Fatalities from work-related injury	Non-employees	0	0	0	0
Recordable injuries	Employees	0	15	5	1
RIR		0.00	0.5249	1.25	0.20
	Work-related injuries include:		related injuries iden , cuts, and abrasion	tified for employees s.	in 2022
	Employees	0	1	0	0
High-consequence work-related injuries	Non-employees	0	0	0	0
	Work-related hazards posing high-consequence injury risk:	high-consequence heights, and struck included in this rep manual work with	ork-related injuri		
Total hours worked by employees		-	6,104,28849	800,204	1,009,499
Total hours worked by employees Work-related ill health		- Canada			1,009,499 Chile
Work-related ill health	Employees	- Canada 0	6,104,28849	800,204	,,
Work-related ill health	Employees Non-employees		6,104,288 ⁴⁹ US	800,204 Bermuda	Chile
Work-related ill health Fatalities from work-related ill health		0	6,104,288 ⁴⁹ US 0	800,204 Bermuda 0	Chile
, , ,	Non-employees	0	6,104,288 ⁴⁹ US 0 0	800,204 Bermuda 0 0	Chile 0 0
Work-related ill health Fatalities from work-related ill health	Non-employees Employees	0 0 0 ldentified through work-related hazar	6,104,288 ⁴⁹ US 0 0 0 0 ob safety analysis ords posing ill-health	800,204 Bermuda 0 0 0	Chile 0 0 0 0 ions, primary uscle injury and

^{49.} This includes both Canada and US.

Health and Safety (continued)

Workers covered I	by an EHS management syster	n	Canada	US	Bermuda	Chile
Workers covered by EH	S system		100%	100%	100%	100%
Workers covered by internally audited EHS system		Employees	100%	100%	100%	100%
workers covered by int	emally dualted EHS system	Non-employees	100%	100%	100%	100%
Employee demog	raphics					
Number and geog	graphic location of employees ⁵	0	Canada	US	Bermuda	Chile
		Algonquin/Liberty employees	94.3%	95.0%	100.0%	100.0%
		Non-employees	5.7%	5.0%	0.0%	0.0%
By age group ⁵⁰			Canada	US	Bermuda	Chile
		< 30 years	12.5%	13.0%	13.8%	8.8%
Age ranges		30-50 years	63.5%	53.5%	59.2%	59.4%
		> 50 years	24.0%	33.6%	27.0%	31.8%
Average age (yea	ırs) ⁵⁰		Canada	US	Bermuda	Chile
Female employees			42	44	43	43
Male employees			41	43	42	45
		All employees	42	44	42	45
Gender and empl	oyment categories ⁵⁰		Canada	US	Bermuda	Chile
	Office	Female	43.0%	50.1%	38.5%	43.0%
Employee function	Office	Male	57.0%	49.9%	61.5%	57.0%
by gender	Field	Female	22.8%	18.3%	18.1%	19.4%
	Held	Male	77.2%	81.8%	81.9%	80.6%
	Senior managers and above	Female	32.4%	26.5%	42.9%	0.0%
Employee level		Male	67.6%	73.5%	57.1%	100.0%
by gender	Middle managers	Female	31.3%	28.3%	23.4%	20.0%
	Madio Managora	Male	68.8%	71 7%	76.6%	80.0%

Male

68.8%

71.7%

76.6%

80.0%

^{50.} Bermuda data is for BELCO only.

Age and employment cat	egories ⁵¹		Canada	US	Bermuda	Chile
		< 30 years	12.4%	11.9%	4.3%	5.0%
	Office	30-50 years	64.6%	52.8%	71.4%	51.5%
		> 50 years	23.0%	35.4%	24.3%	43.6%
Employee function by age		< 30 years	12.6%	13.8%	14.7%	9.6%
	Field	30-50 years	59.1%	54.0%	55.9%	64.3%
		> 50 years	28.4%	32.2%	29.4%	26.0%
		< 30 years	0.0%	0.0%	0.0%	0.0%
	Senior managers and above	30-50 years	46.0%	23.5%	90.9%	55.6%
		> 50 years	54.1%	76.5%	9.1%	44.4%
Employee level by age		< 30 years	0.0%	0.0%	0.0%	0.0%
	Middle managers	30-50 years	65.0%	45.5%	73.3%	50.0%
		> 50 years	35.0%	54.6%	23.3%	50.0%
Gender and self-identifica	ation ⁵¹		Canada	us	Bermuda	Chile
Women		39.2%	31.8%	22.7%	20.8%	
Men		60.8%	68.2%	77.3%	79.2%	
Self-identified minorities			11.9%	15.3%	0.0%	0.0%
Self-identified veterans			0.3%	3.8%	0.0%	0.0%
Self-identified employees with dis	sability		0.4%	0.3%	0.0%	1.1%
By employment contract			Canada	US	Bermuda	Chile
D	Female		258	766	73	95
Permanent employees	Male		407	1,658	293	361
	Female		10	9	1	0
Temporary employees	Male		8	5	0	0
By employment type			Canada	US	Bermuda	Chile
Full-time employees Female Male			765	263	73	95
			411	1,657	293	361
No	Female		8	3	1	0
Part-time employees Male			1	3	0	0
Casual employees	Female		2	2	0	0

^{51.} Bermuda data is for BELCO only.

Employee attraction and retention

Hiring rates		Canada	US	Bermuda	Chile
Francisco de la contraction de	Female	0.46	0.39	0.33	0.28
Employees hired by gender	Male	0.54	0.61	0.67	0.72
Turnover rates		Canada	US	Bermuda	Chile
Total employee turnover rate		0.16	0.14	0.0552	-
Volunteer employee turnover rate		0.13	0.12	0.0352	-
Parental leave ⁵²		Canada	US	Bermuda	Chile
Employees entitled to parental leave	Female	221	572	-	-
	Male	255	1,292	-	-
Employees that took parental leave	Female	6	20	1	11
	Male	2	21	5	0
Employees that took parental leave and returned	Female	4	12	1	11
employees that took parental leave and retained	Male	2	20	5	0
Return to work rate	Female	0.67	0.60	1.00	1.00
retuin to work rate	Male	1.00	0.95	1.00	0.00
Employees that took parental leave and were retained	Female	3	11	1	-
cripioyees that took parental leave and were retained	Male	2	20	5	-
Parental leave retention rate	Female	0.50	0.55	1.00	-
i dientanieuve retention rate	Male	1.00	0.95	1.00	-
Employee engagement ⁵²		Canada	US	Bermuda	Chile
Employee engagement score		73%	70%	70%	73%
Percentage of employees covered		86%	81%	77%	83%

^{52.} Bermuda data is for BELCO only.

Learning and development

Training		Canada	US	Bermuda	Chile
Average training bours by gender	Female	19.0	22.0	34.0	-
Average training hours by gender	Male	16.0	13.0	64.0	-
Average training hours by level	Senior managers and above	8.0	9.0	21.0	-
Average training hours by level	Middle managers	15.0	13.0	35.0	-
Average training bours by ich function	Office	16.0	14.0	61.0	-
Average training hours by job function	Field	22.0	17.0	53.0	-
Average training hours per employee		18.0	16.0	58.0	-
Average amount spent per employee on training (\$USD/employee)		1,057	926	1,863	-
Amount invested in employee training (\$USD)		711,417	2,252,820	679,894	-

Discrimination incidents	Canada	US	Bermuda	Chile
Number of incidents of discrimination	0	1	0	0
Number of incidents reviewed by Algonquin	0	1	0	0
Number of incidents no longer subject to action	0	1	0	0

Remediation plans implemented and/or being implemented

All actions that were recommended were completed.

Governance and policy

Compliance				
Indigenous relations	Canada	US	Bermuda	Chile
Violations involving rights of indigenous peoples	0	0	0	0
Anti-corruption	Canada	US	Bermuda	Chile
Operations assessed for corruption related risks (government relations, conflicts of interest, and foreign interests)	100%	100%	100%	100%
Incidents of corruption and actions taken	0	0	0	0
Number of times Ethics Reporting Line was used	3	7	1	6
Anti-competitive behaviour	Canada	US	Bermuda	Chile
Legal actions for anti-competitive behaviour, anti-trust, and monopoly practices	0	0	0	1
Political spending	Canada	US	Bermuda	Chile
Amount spent on lobbying (\$USD)	0	1,008,200	0	60,000
Amount spent on trade associations (\$USD)	35,798	1,103,002	0	70,000

Environment

Energy consumption and generation capacity

Internal energy consumption (MWh)		Canada	US	Bermuda	Chile
	Gasoline	1,427	29,347	0	1,664
	Diesel	321	21,595	50,722	4,952
Non-renewable sources	Liquified petroleum gas (LPG)	144	2,048	0	0
	Natural gas	1,511	10,151,026	0	0
	Fuel oil	0	72,419	1,234,918	0
Electricity consumption		3,281	97,752	0	78,768
	Total internal energy consumption (MWh)	6,684	10,374,189	1,285,640	85,384
Generation capacity		Canada	US	Bermuda	Chile
	Natural gas	0	1,496	0	N/A
	Heavy fuel oil	0	0	140	N/A
Nameplate capacity of generation assets by source (MW)	Hydroelectric	116	16	0	N/A
	Solar	10	322	0	N/A
	Wind	440	2,153	0	N/A
	Total generation capacity (MW)	565	3,987	140	N/A
	Natural gas	0%	38%	0%	N/A
	Heavy fuel oil	0%	0%	100%	N/A
Energy capacity mix (%)	Hydroelectric	20%	0.4%	0%	N/A
	Solar	2%	8%	0%	N/A
	Wind	78%	54%	0%	N/A
	Total renewable generation capacity (%)	100%	62%	0%	N/A

Water and effluents

Water withdrawal		Canada	US	Bermuda	Chile
	Surface water	0	5,728	0	22,895
Markary with already and have a course of the average of the area and the area of the area and the area of the are	Ground water	0	120,185	0	46,525
Vater withdrawal by source (thousand m³)	Third-party water	28	9,028	2	0
	Other source	0.003	0.08	5	0
	Total water withdrawal	28	134,941	7	69,421
	Surface water	0	1,265	N/A	N/A
Water withdrawal from water stressed regions by source (thousand m³)	Ground water	0	72,968	N/A	N/A
-, (,	Third-party water	0.09	7,035	N/A	N/A
Water discharge		Canada	US	Bermuda	Chile
	Surface water	0	13,442,659	0	39,048,799
Water discharge by source (m³)	Ground water	0	61,758	2,037	198,088
water discharge by source (1117)	Seawater	0	0	0	27,169,423
	Third-party water	23	212,280	0	222,058
	Total water discharge	23	13,716,696	2,037	66,638,368
	Surface water	0	-	N/A	N/A
Vater discharge in water stressed regions	Ground water	0	62	N/A	N/A
py source (m³)	Ocean/seawater	0	-	N/A	N/A
	Third-party water	0	208	N/A	N/A
Markon a consumation					
Water consumption		Canada	US	Bermuda	Chile
Total water consumption (thousand m³)		28	20,003	2,024	7
Total water consumption in water stressed regions (thousand m³)		0.09	11,722	N/A	N/A

Algonquin | 2022 ESG Performance Index

Waste

Waste generation (Mt)		Canada	US	Bermuda	Chile
Waste generated	Hazardous waste	3	9,206	175	6,604
	Non-hazardous waste	560	11,073	346	5,811
	Total waste generated	563	20,280	521	12,415
Waste diverted (Mt)		Canada	US	Bermuda	Chile
Hazardous waste diverted by recovery type (offsite)	Reuse	0	0	0	0
	Recycling	1	205	0	5,599
	Other – recovery (including energy recovery) and composting	2	2,233	0	0
	Total hazardous waste diverted	3	2,439	0	5,599
Non-hazardous waste diverted by recovery type (offsite)	Reuse	0	0	0	0
	Recycling	44	1,975	0	0
	Other – recovery (including energy recovery) and composting	13	616	0	0
	Total non-hazardous waste diverted	57	2,591	0	0
Waste directed to disposal (Mt)		Canada	US	Bermuda	Chile
Hazardous waste disposed by disposal operation (offsite)	Incineration with energy recovery	0	0	0	0
	Incineration without energy recovery	0	10	0	0
	Landfilling	0	6,758	175	1,005
	Other	0	0	0	0
	Total hazardous waste disposed	0	6,768	175	1,005
Non-hazardous waste disposed by disposal operation (offsite)	Incineration with energy recovery	0	0	0	0
	Incineration without energy recovery	0	0	1	0
	Landfilling	503	8,482	345	5,811
	Other	0	0	0	0
	Total non-hazardous waste disposed	503	8,482	346	5,811

Algonquin | 2022 ESG Performance Index

Fleet and Compliance

Compliance with environmental laws and regulations	Canada	US	Bermuda	Chile
Number of violations with environmental laws and regulations	0	67	0	0
Monetary value of environmental fines (\$USD millions)	0	0.0002	0	0
Environmental liability accrued at year end (\$USD millions)	0	0	0	0