

Everyday sustainability

2023 LYB Sustainability Report Highlights



60

manufacturing sites achieved GoalZERO (zero injuries, zero incidents and zero accidents)

Strengthened our **Circular and Low Carbon Solutions (CLCS)** business by making significant investments to secure feedstock supply, expand our recycling footprint and develop scalable technologies to help end plastic waste

0.139

Total Recordable Incident Rate (TRIR), representing industry-leading performance



Announced decision to build a first of its kind commercial scale, advanced recycling plant using our *MoReTec* technology

+LC

Introduced a +LC (Low Carbon) solutions, a range of I&D chemicals sourced from recycled and renewable feedstocks



Committed to the United Nations CEO Water Mandate and progressing our water stewardship practice

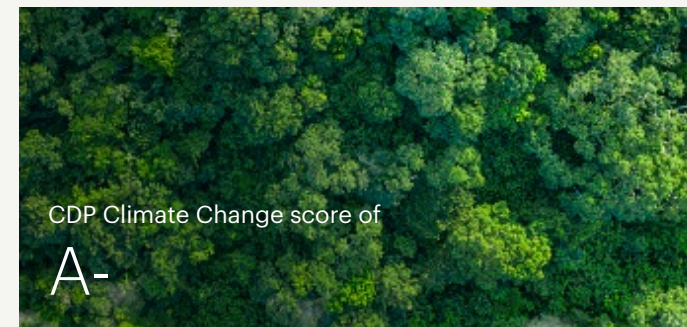
Issued our inaugural

\$500 million Green Bond offering



Reached nearly 90% of our 2030 target to secure at least half of our global electricity from renewable sources

Our people around the world volunteered more than 21,000 hours to help their communities



CDP Climate Change score of A-

~ 4MM gigajoules (GJ)

annual energy savings will be realized through energy efficiency projects



More than 1,500 of our suppliers were assessed using environmental, social and governance criteria, more than a 120% increase over 2022



Women serving in 25% of global senior leadership compared to 22% in 2022

18%

of employees participating in employee networks globally



\$14 million

donated to charitable organizations, including financial and in-kind donations and the total value of employee volunteer hours

Our sustainability approach and goals

LYB is a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. We have structured our sustainability approach around three global challenges: ending plastic waste, taking climate action and supporting a thriving society. This approach shapes how we manage our business and execute strategic objectives. We use sustainability frameworks and best practice to inform our sustainability approach.

For additional details, refer to our [2023 Sustainability Report](#).

Contact information: sustainability@lyb.com

Ending plastic waste

Goals

- 2MMT+ of recycled and renewable-based polymers produced and marketed annually by 2030¹
- ZERO loss of plastic pellets to the environment from our operations
- For every dollar we invest in venture funds that address the plastic waste challenge, we help catalyze another five dollars from co-investors

1. Production and marketing includes (i) joint venture production marketed by LYB plus our pro rata share of the remaining production produced and marketed by the joint venture, and (ii) production via third-party tolling arrangements.

Taking climate action

Goals

- Achieve net zero GHG emissions from our global operations by 2050²
- Reduce absolute scope 1 and 2 GHG Emissions 42% by 2030³
- Reduce absolute scope 3 GHG emissions 30% by 2030³
- Procure a minimum of 50% of electricity from renewable sources by 2030⁴

2. Our 2050 net zero GHG emissions goal includes scope 1 and 2 emissions
 3. Relative to a 2020 baseline
 4. based on 2020 procured levels

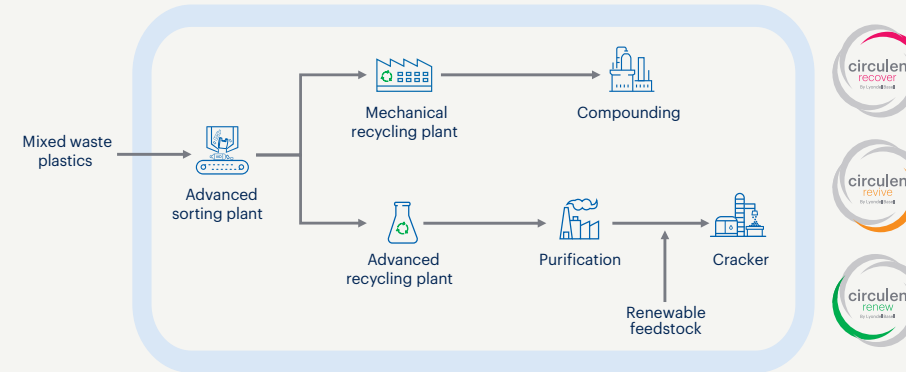
Supporting a thriving society

Goals

- Operate safely every day and with zero incidents, zero injuries and zero accidents
- By 2032, achieve gender parity in senior leadership globally and ensure our U.S. senior leadership reflects the ratio of underrepresented groups in the general population
- Assess a minimum of 70% of our key suppliers globally using sustainability criteria by 2025

Data is as of December 31, 2023. Senior leaders, for the purposes of our diversity goals, refers to employees that represent the top six job bands of our employees and executives. Professionals refers to the employees in the next eight job bands, excluding technical and hourly employees.

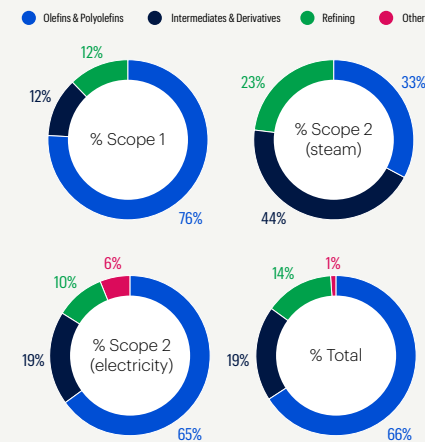
LYB integrated hub concept



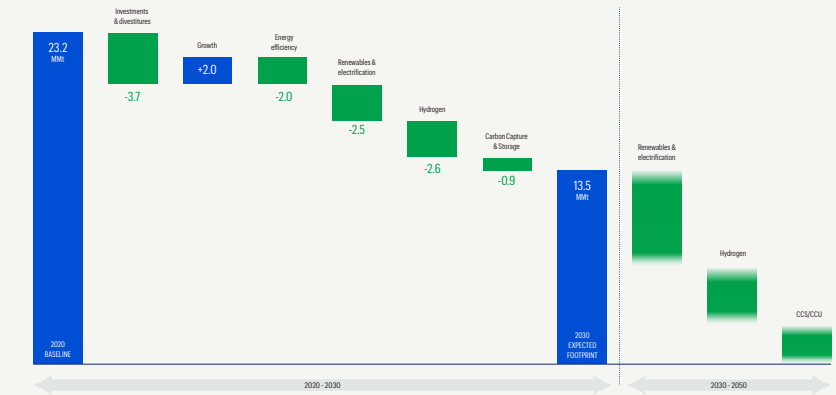
Pellet loss to the environment from our operations

	2020	2021	2022	2023
Pellet loss from our operations				
Number of polymer sites	79	76	75	77
Loss incidents	3	4	4	1
Loss (kilograms)	12	43	11	10

2020 baseline scope 1 and 2 GHG emissions by segment



Pathway to net zero from global operations



This graph represents the expected quantified contribution of our four reduction levers to meet our 2030 scope 1 and 2 target and a qualitative estimate for us to reach net zero in our global operations by 2050. Beyond 2030, scaling new technologies may also be part of the solution.

Employee representation

Global employee gender representation	2022	2023
Total global employees		
Men	81%	80%
Women	19%	20%
Senior leaders		
Men	78%	75%
Women	22%	25%
Professionals		
Men	67%	66%
Women	33%	34%
U.S. employee ethnicity representation	2022	2023
Total U.S. employees		
Non-underrepresented	67%	65%
Underrepresented	33%	35%
Senior leaders		
Non-underrepresented	81%	81%
Underrepresented	19%	19%
Professionals		
Non-underrepresented	65%	62%
Underrepresented	35%	38%

Process safety

The table represents the number of Tier 1 process safety incidents per 200,000 hours worked

Process Safety	2020	2021	2022	2023
Process safety incidents count (PSIC)	10	10	10	12
Process safety total incident rate (PSTIR)	0.030	0.026	0.026	0.035
Process safety incident severity rate (PSISR)	0.082	0.211	0.055	0.046

Number of suppliers assessed

