



ESG Report

3Q24

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ABOUT THIS REPORT

In the quest to make its actions more transparent, Braskem discloses its **3Q24 ESG Report**, which traces the advances made by the Company in its sustainability pillar, as well as the key projects and initiatives on the issue.

ESG INITIATIVES

INTEGRATED REPORT 2023

Access Braskem's achievements within its sustainable development strategy in 2023, in accordance with the GRI, SASB and IIRC frameworks

ESG DASHBOARD

Access all environmental, social, economic and governance indicators based on GRI and SASB standards.

BRASKEM DAY 2023

Access the complete presentation here, which includes advances in Braskem's business and corporate strategy.

FAQ ESG

Frequently asked questions about Braskem's strategy, practices and performance in sustainable development

CORPORATE GOVERNANCE

[LEARN MORE](#) about the structure of our Board of Directors, Board of Executive Officers, and committees.

[CLICK HERE](#) to access Braskem's Bylaws and Policies

ESG RATING

ESG Agencies and Indexes	Rating	Last Update
ISS ESG	40.85 (out of 100)	August, 2024
MSCI	BBB (out of AAA)	August, 2024
Vigeo Eiris	51 (out of 100)	June, 2023
Sustainalytics	24 (out of 0)	November, 2023
CSA S&P	59 (out of 100)	March, 2024
ISE B3	79.5 (out of 100)	December, 2023
CDP Water Security	B (out of A)	December, 2023
CDP Climate Change	B (out of A)	December, 2023

1. Long-Term Objectives to 2020-2030

Since its creation in 2002, Braskem has been committed to the principles of sustainable development. Through its strategy, Braskem strives to prevent and mitigate risks and to capture business opportunities associated with environmental, social and governance aspects, in order to improve people's lives and the planet by creating sustainable and innovative solutions working jointly with its entire value chain.

Approved by the Board of Directors in 2020, Braskem's long-term objectives¹ for 2025, 2030 and 2050 are aligned with the Sustainable Development Goals of the United Nations 2030 Agenda (SDG-UN) and are part of the strategy for its sustainable development pillar. These are:

1. **Health and Safety:** safe operations are a permanent and nonnegotiable value for Braskem and is one of the foundations of its Corporate Strategy. Thus, the commitments established for 2030 are: (i) to reduce reportable and lost-time injury rate to 0.5 accidents per million hours worked; and (ii) to reduce accident rates in Tier 1+Tier 2 processes to 0.32 accidents per million hours worked.
2. **Economic and Financial Results:** the Company strives to maintain its financial health and disciplined capital allocation in creating ESG value. In this regard, the commitments for 2030 in this dimension are: (i) be in the 1st quartile of shareholder returns in the petrochemical sector; (ii) be among the best companies in the DSI²; (iii) achieve corporate leverage of 2.0x; and (iv) achieve excellent reputation among clients.
3. **Elimination of plastic waste:** Braskem aims to be recognized as a company that develops the recycling value chain, for which its commitments are: (i) increase sales of products with recycled content to 300,000 tons/year by 2025 and 1 million tons/year by 2030; and (ii) prevent 1.5 million tons of plastic waste from being sent for incineration or to landfills or from being disposed of in the environment by 2030.
4. **Combating Climate Change:** Braskem aims to be a global leader in the chemical industry, with the best indicators in GHG³ emissions, and to the reference in the manufacture of products using renewable raw materials. As such, its commitments include reducing its absolute GHG emissions under scopes 1 and 2 by 15% by 2030 (in relation to its average emissions in 2018, 2019 and 2020) and achieving carbon neutrality by 2050.
5. **Operational Eco-Efficiency⁴:** the commitments are being defined.
6. **Social Responsibility and Human Rights:** people are the foundation of the Company's Corporate Strategy and hence Braskem has the following commitments for 2030: (i) have 100% of human rights risks at the medium or high management level; (ii) increase the number of beneficiaries in local communities to 500,000; and (iii) increase to 40% the percentage of women in leadership positions in Brazil and to 37% the percentage of black team members.
7. **Sustainable Innovation:** innovation is a strategic pillar for Braskem, which strives to deliver sustainable solutions with high added value to society through innovation. In this regard, Braskem is committed to making a positive impact from its Corporate Innovation & Technology (I&T) projects, with a Sustainability Index of over 90%.

By 2023, Braskem has achieved 31% of its sustainable development goals.

¹ The achievement of the commitments for sustainable development disclosed by the company (within projected costs and expected deadlines) is also subject to risks that include, but are not limited to advancement, availability, development and accessibility of the technology necessary to achieve these commitments.

² Dow Jones Sustainability Index.

³ Greenhouse Gases.

⁴ The indicators of this dimension refer to the availability of water consumption, energy consumption, hazardous waste generation, air emissions and chemical and biochemical oxygen demand.

2. Environmental

HIGHLIGHTS

- **Partnership with *Università Ca' Foscari Venezia* (EUR):** in August, Braskem and *Università Ca' Foscari Venezia*, from Italy, announced a three-year partnership to develop catalytic technology routes with the objective of converting CO₂ into higher value-added products. The technology to be developed has the potential to reduce emissions from chemical processes, as well as delivering a product with a lower carbon footprint to the market.
- **Industrial Decarbonization (BRA):** in August, the Vesta project was completed with the entry into operation of the electrification of the last process compressor, allowing a reduction of 56 thousand tons of CO₂e, in addition to gaining competitiveness. The project, in partnership with Siemens, went into operation in 2022, aiming to replace steam turbines with high-performance electric motors and build a cogeneration system at the ABC industrial unit in São Paulo.
- **Innovation Center in Lexington (USA):** in September, through an investment of approximately US\$20 million, Braskem's new innovation center was inaugurated in Lexington, Massachusetts, which focuses on accelerating early-stage research into renewable chemicals and materials, expanding the Company's capacity in the areas of biotechnology, catalysis and process engineering.
- **Contract for FEED (Braskem-Siam):** in September, Braskem-Siam signed the FEED (Front End Engineering Design) Agreement with Toyo Engineering Corporation. Toyo Engineering will develop the extended basic engineering and CAPEX estimate for the 200kt Green Ethylene plant in Thailand, and is expected for completion in the second quarter of 2025.
- **BloombergNEF's 2024 Circular Economy Ranking:** In October, Braskem was recognized for its performance in sustainability and circularity, being ranked second in BloombergNEF's 2024 Circular Economy Company Ranking. This ranking evaluated the circular economy objectives of 40 companies, including 20 brandowners and 20 plastic producers.
- **Partnership with the University of British Columbia (USA):** in October, Braskem announced a partnership with the University of British Columbia (UBC) to explore the feasibility of using an electrochemical reactor to produce methanol from CO, an intermediate that can be obtained from the capture and conversion of CO₂. The project, which will last one year, is fully funded by Braskem as part of its efforts to explore more sustainable alternatives.
- **Supply of bio-circular feedstock (EUR):** in October, Braskem and Neste, a Finnish refining company, reached an agreement to supply of circular and biocircular feedstocks for the production of polymers and chemicals. Braskem's products based on these feedstocks will be sold mainly in South America under the Wenew brand.

PLASTIC WASTE DISPOSAL

In 3Q24, the sales volume of Wenew's recycled content products in Brazil decreased compared to 2Q24 (-10%) and 3Q23 (-4%), mainly due to the strategy of prioritizing higher added value sales.

In the United States and Europe, the sales volume of products with recycled content increased compared to 2Q24 (+9%) and 3Q23 (+184%), mainly due to the start of sales of new products chemical recycling in the region.

In Mexico, sales volume of products with recycled content was lower compared to 2Q24 (-2%), due to the strategy of prioritizing more profitable sales. Compared to 3Q23, sales volume was higher (+7%), positively impacted by the Company's strategy of prioritizing regular sales.

Recycled Sales Volume (ton)	3Q24 (A)	2Q24 (B)	3Q23 (C)	Chg. (A)/(B)	Chg. (A)/(C)	9M24 (D)	9M23 (E)	Chg. (D)/(E)
Recycled	22,759	23,333	17,332	-2%	31%	65,906	46,856	41%
Brazil	11,206	12,423	11,658	-10%	-4%	33,898	29,728	14%
Resins ¹	8,727	10,443	8,683	-16%	1%	26,880	21,802	23%
Chemicals	2,479	1,980	2,975	25%	-17%	7,018	7,926	-11%
United States and Europe	8,801	8,087	3,101	9%	184%	24,764	10,954	126%
Mexico	2,753	2,822	2,573	-2%	7%	7,244	6,175	17%

3. Social

HEALTH AND SAFETY

- **People Safety:** the average global CAF + SAF⁵ accident frequency rate in the year to date was 0.91 (events/1MM HHT), showing a reduction (-17%) compared to the same period in 2023. In addition, the severity of occupational accidents in 2024 was also lower. This rate keeps Braskem at the same level as companies in the global chemical sector, considered the best safety references in the market.
- **Process Safety:** the TIER 1⁶ rate was 0.11 (events/1MM HHT), an increase of (+22%) compared to the same period in 2023. The TIER 2⁷ rate was 0.39 (events/1MM HHT). This rate keeps Braskem at the same level as companies in the global chemical sector, considered the best safety references in the market.

SOCIAL RESPONSIBILITY AND HUMAN RIGHTS

- **We Care Week:** in September, as part of the Volunteering Program, We Care Week was organized with the theme "Circular Economy and Combating Climate Change". In total, 246 volunteers and 242 guests participated in 17 joint efforts (cleaning of public spaces, tree planting and environmental education actions, among others) in 6 countries - Brazil, Mexico, the United States, the Netherlands, Germany and Singapore. In total, 485 trees were planted.
- **Projects that Transform (BRA):** in this year's edition, 244 applications were received in the 3rd "Projects that Transform", in which 11 projects related to the following themes were selected: Circular Economy and Climate, Professional and Technological Education and Social Inclusion. The estimated impact is 1,000 people directly.
- **National Policy on Human Rights and Business⁸ (BRA):** in June, Braskem participated in meetings to develop the Policy. Among the agendas, the importance of the policy having a more educational than punitive character was highlighted; the relevance of the definitions, in order to bring clarity and objectivity to the future regulation; as well as greater clarity in the principle of joint and several liability, considering the extension of the value chain and the different levels of the Company's liability throughout it.
- **Volunteer Mentoring Program (BRA):** in October, as part of the Global Volunteer Program, Braskem started the first Volunteer Mentoring class. The initiative, carried out in partnership with the Joule Institute, has the participation of 21 members who will act as mentors to 21 young⁹ people from the communities surrounding the Company's operations for 5 weeks on career and soft skills.

⁵ Lost time injury + recordable injury.

⁶ Incident with loss of containment of products above the limits established in the American Petroleum Institute (API) 754 for TIER 1, based on the product released, or any release that causes fatality or lost-time injury of an employee or third party, hospital damages or fatality of the external public, financial losses greater than US\$100,000, or evacuation of the community.

⁷ Incident with loss of containment of products above the limits established in the American Petroleum Institute (API) 754 for TIER 2, based on the product released, or any release that causes: reportable injury of own employee or third party and financial loss greater than US\$2,500.

⁸ The Ministry of Human Rights and Citizenship of Brazil initiative through self-managed meetings organized by the UN Global Compact, Instituto Ethos, Tozzini e Freire Advogados, InPACTO, Ethos and CEBDS.

⁹ Technical and university level students aged 18 to 25

- **Avanza Program (MEX):** in June, Braskem conducted training and professional certification in the southern region of the state of Veracruz. The project, which aims to stimulate the generation of local jobs, trained 120 people in Industrial Electricity, Safety Supervisor, Basic Welding, Health and Safety at Work, Fundamentals of AutoCAD 2D and Programmable Logic Controller.

DIVERSITY, EQUITY AND INCLUSION

- **Respect is Non-negotiable Program:** in Brazil, the second phase of the program began for leaders of the São Paulo office and for the industrial units of Rio de Janeiro and ABC, in São Paulo. The sessions aimed to strengthen the Ethics Line Channel and reinforce concepts such as moral harassment, sexual harassment, discrimination and microaggressions. In the United States, 73% of the leadership and 10% of the members were trained in the quarter. In Europe & Asia, more than 80% of the members have already been trained and, in Mexico, the program has been completed with 80% participation and 95% satisfaction.
- **"Elas Braskem" Program (BRA):** in October, the second class of the "Elas Braskem" women's development and empowerment program began. The program has 2 modules with 100% of participants taking advantage of them and with satisfaction rates of 4.4 of 5 in self-knowledge and adaptability and 4.7 of 5 in people development, collaboration and inclusion.

4. Governance and Compliance

- **Ethos Institute:** in 2024, Braskem maintained its assessment of 9.9 points (out of 10 points) in the Ethos Institute's Integrity, Prevention and Fight against Corruption Indicator. This result exceeds the sector average¹⁰ by 36% and demonstrates the maintenance of the robustness and maturity of Braskem's Global Compliance System.
- **Consolidation of the Compliance Ambassador Program:** in 2024, there was a 47% growth in the number of participants, with more than 1,300 members impacted by the actions carried out in Brazil. The program aims to train members from all areas to act as promoters of the Compliance culture, strengthening the Company's commitment to ethics and integrity.
- **ESG Monitoring by the BoD¹¹:** periodically, the Board of Directors and its Advisory Committees evaluate the evolution of the Company's ESG practices. In 3Q24, the following topics were addressed:
 - Monitoring compliance with the guidelines set out in the Company's Financial Policy and Investment Policy;
 - Monitoring and evaluation of effective compliance with the guidelines related to occupational health established in the Health, Safety, Environment, Quality and Productivity Policy;
 - Monitoring of the Company's Corporate Culture and reporting on the status of Diversity, Equity and Inclusion actions;
 - Evaluation of the result of the compliance survey carried out and definition of action plans based on the answers obtained for process improvement.

¹⁰ The sector average is 7.3 points

¹¹ Board of Directors