





Self-paced online learning program

Module 1 ESG Fundamentals

- **\$1** Session 1 Introduction to ESG
- **\$2** Session 2 ESG Management: Environment
- \$3 Session 3 ESG Management: Social
- **\$4** Session 4 ESG Management: Governance

Module 2 ESG Integration Management

- **\$1** Session 1 ESG Integration Management
- **\$2** Session 2 Integration Case Studies

M3 Module 3 ESG Disclosure

- **\$1** Session 1 ESG Disclosure
- **\$2** Session 2 Data Management
- \$3 Session 3 ESG Performance Assessment and Indices





M2S2

Module 2 ESG Integration Management
Session 2 Integration - Case Studies







Self-paced online learning program





Module 1 ESG Fundamentals Session 1 Introduction to ESG



Module 1 ESG Fundamentals Session 2 ESG Management: Environment



M1S3

Module 1 ESG Fundamentals Session 3 ESG Management: Social



M1S4

Module 1 ESG Fundamentals Session 4 ESG Management: Governance



M2S1

Module 2 ESG Integration Management Session 1 ESG Integration Management



M2S2

Module 2 ESG Integration Management Session 2 Integration - Case Studies



M3S1

Module 3 ESG Disclosure Session 1 ESG Disclosure



M3S2

Module 3 ESG Disclosure Session 2 Data Management



M3S3

Module 3 ESG Disclosure Session 3 ESG Performance Assessment and Indices





Learning Objectives

Course Structure	Learning Objectives	
Module 2 ESG Integration Management Session 2 Integration - Case Studies		
Integration - Case Studies	To enable learners to Explain the lessons learned from case studies related to ESG integration, such as key factors leading to success or failure in ESG integration and its impact on stakeholders. Apply these lessons to one's own organization.	





Instructor

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Module 2 ESG Integration Management

Session 2 Integration - Case Studies

Instructor

Budsayada Youngfhuengmontra







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Module 2 ESG Integration Management

Session 2 Integration - Case Studies

- Case Study 1 (Indorama Ventures)
- 2. Case Study 2 (The Coca-Cola Company)
- 3. Key Takeaways







DILIP KUMAR AGARWAL

- Deputy Group CEO and Group Chief Financial Officer
- Member of the Sustainability and Risk Management Committee

"Business strategic imperative requires ESG action and commitment to turn our vision and purpose into values and impacts that can make a difference"



Purpose: Reimaging chemistry together to create a better world.

Vision: To be a world–class sustainable chemical company producing indispensable chemistry that touches billions of lives every day.





Materiality Topics



- Post-consumer PET Bottles Recycling and Plastic Waste
- Climate Change and Decarbonization



- Human Rights
- Supply Chain Management
- Occupational Health & Safety



- Business Ethics
- Compliance Management
- Risk and Crisis Management
- Cybersecurity







Sustainability Ambitious







Overview of Circularity Across Value Chain

Increasing consumption of circular feedstocks (bio-based and recycled feedstocks), which also help reduce GHG Scope 3 emissions - purchased goods and services

Adhering to our Responsible Sourcing Policy helps to ensure bio-based raw materials are not sourced from deforestation or other actions that harm biodiversity

Sourcing from local suppliers to reduce GHG Scope 3 emissions – upstream transportation

Further information is available in Section Supply Chain Management

Designing to be lightweight, high-performance, and more sustainable, degradable, and recyclable

Further information is available in Section Sustainable Products in this report

Consuming alternative raw materials and renewable energy to reduce GHG Upstrag emissions Adopting a circularity approach to

maximize use of materials and resources

Improving operational efficiencies and exploring advanced technologies

Further information is available in Chapter 5 Environmental Performance

Transitioning from road to rail transportation

Opting for direct shipments over intermediary transshipments

Improving overall logistics management and helping reduce **GHG Scope 3 emissions** encompassing both upstream and downstream transportation

Advocating for changes in laws and regulations:

- The increased demand of recycled PET as a sustainable alternative to plastic in food and beverage packaging Plastic waste pollution
- Extended Producer Responsibility (EPR)
- Plastics Tax

Collaborating with stakeholders and partners of PET recycling facilities to increase awareness about the value of recycling through Circular **Economy Education**

Expanding the impact of bottle collection projects Advancing and expanding

Having the Indorama Ventures Investments & Holdings (IVIH) as a start-up business incubator





Indorama

Circular

Economy

Ownstream

Overview of Circularity Across Value Chain



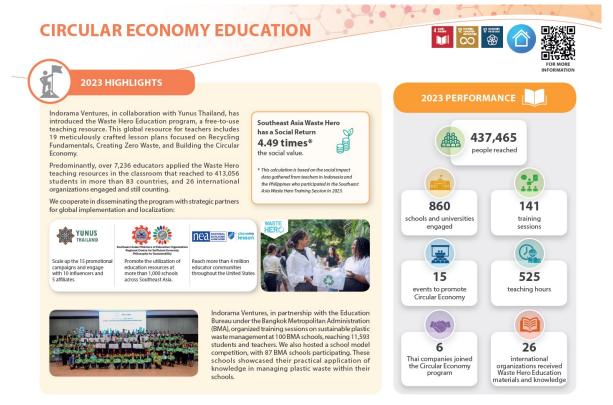






INDORAMA

Overview of Circularity Across Value Chain







Decarbonization in Operations







2023 HIGHLIGHTS

In 2023, IVL Dhunseri Petrochem Industries Private Limited in India successfully converted a hot oil coal heater to natural gas, resulting in an estimated **GHG savings of 35,000 tco**₃e **annually**. This marks a significant step towards our overarching goal of achieving a **100% coal phase-out by 2030**.

From 2020 to 2023, we achieved a **reduction of 264,000 tco_e**, which **equates to 3.8% of our Scope 1 baseline emissions**, through decreased coal usage. Our journey to phase out coal from our operations is underway and we have initiated several coal reduction projects. We are actively evaluating fuel transition technologies, with site readiness and alternative fuel availability being key factors under thorough examination.



Indorama Ventures has been awarded by CDP:

- a "B" rating for Climate Change Management
- a "B-" rating for the first year of assessment on Water Security





Decarbonization in Operations

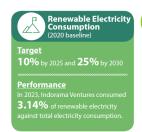
ENERGY MANAGEMENT

- Reducing energy consumption is one of IVL's key efforts in decarbonizing our portfolios as IVL strive towards a sustainable future
- The commitment involves pursuing efficient energy consumption and management across all operations within IVL's business segments, aiming to significantly reduce carbon footprint.

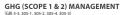
RENEWABLE ENERGY AND ELECTRICITY

[GRI 3-3, 302-4, 305-5]

To reduce GHG emissions, we are driving a shift towards renewable energy by strategically increasing its consumption at operations with reliable supply and grid compatibility. Our solar energy generation projects, coupled with exploring Virtual Power Purchase Agreements (VPPAs) in the U.S. and Europe, remain our focus in order to achieve our 2030 renewable electricity consumption target. With this in mind, our renewable electricity consumption in 2023 was 3.14% of our total electricity consumption.











Our absolute GHG emissions (Scope 1 & 2) were recorded at 5e million (CQ, with 74-46 cminis from processes (Scope 1) and 256 from electricity, heat, and steam procurent (Scope 2). In 2023, our focus requesting GHG management was to drive green improving operational eco-efficiency and transitioning to low-carbon intensive fuels such as an antural gast. However, due to the energy price crisis, we had to retain conventional fuels to maintain the cost of operations. Consequently, our GHG emissions intensity decreased by a 35% compared to 2020, in the control of the control







Decarbonization in the Supple Chain

Applying GHG Scope 3 accounting also helps IVL to reduce the carbon footprint of products in the supply chain. This is done by

- Sourcing local feedstocks
- Utilizing the most efficient transportation modes and patterns for upstream and downstream activities
- Reducing waste generated in company's own operations

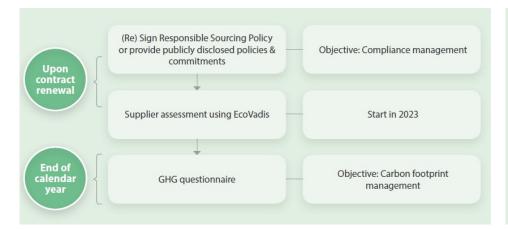
Company engage with suppliers for value chain decarbonization including collection of necessary GHG data at the product level as part of <u>Sustainable Supply Chain</u> <u>Management Program.</u>

Scope 3 Category	tCO ₂ e in 2023
Purchased goods and services (including Nitrogen)	22,881,050
Capital goods	533,387
Emissions from electricity (T&D, WTT)	843,938
Emissions from fuels (WTT)	841,191
Upstream transportation	665,855
Waste generated in operations	214,770
Business travel	24,488
Employee commuting	42,965
Downstream transportation	1,670,940
Use of sold products	1,807,773





Sustainable Supply Chain Management Program









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Our strategy is clear. It's centered around people—our consumers and employees—and driving sustainable solutions that build resilience into our business to respond to current and future challenges, while creating positive change for the planet."



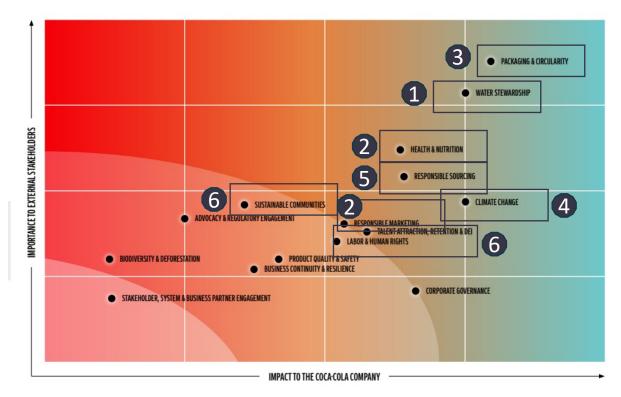
The Coca-Cola Company's purpose is to refresh the world and make a difference.







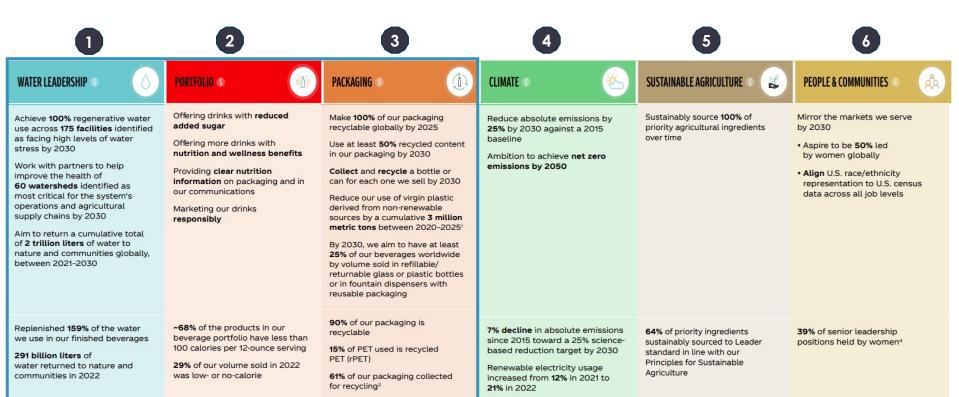
Priority Topics







Goals and 2022 Progress







Water Leadership

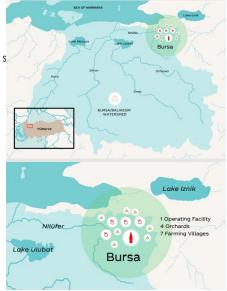


- Water is a priority for The Coca-Cola Company because it is essential to life, Coca-Cola beverages and the communities we s
- 159% of the water used in Coca-Cola finished beverages returned to nature and communities in 2022.

Making the Greatest Impact Where It Matters Most by Doing What Matters Most

- · An operating facility in Türkiye, in the city of Bursa in the north-west of the country, is located in a water stressed area.
- The Bursa/Balikesir watershed is priority because it serves as a water source for the facility.
- Also, it supports the growing of apples, peaches and nectarines that are sourced as ingredients in Coca-Cola products.
- Operation: Working with a third-party consultancy to screen options for improving water efficiency in operations
- Watershed: Developing a watershed stewardship plan which includes:
 - · Supporting farmers to improve irrigation efficiency and reduce water contamination,
 - · Reforestation efforts to help filter water pollution and regulate precipitation and evaporation flows, and
 - Helping communities to install rainwater harvesting systems
- Communities: Improving 500 acres of land growing apples, peaches, nectarines and tomatoes, which are major water users, by installing sensors and dip irrigation:
 - Estimated 20% increase in water efficiency for apple, peach and nectarine production and a 50% increase for tomato growing
 - Reduce costs and increase profitability for the farmers
 - Replenishment of approximately 500 million liters of water per year
 - Traceability is an opportunity for improvement







Portfolio



















removed from our globa or zero-sugar, or have a portfolio cumulatively reduced-sugar or zero-sugar through efforts to reformulate more than

~1,400 changes in 2022

1.000 beverages from

removed on an annualized basis through recipe

of the products in our beverage portfolio have less than 100 calories per 12-ounce serving

recipe changes to reduce added sugar in 2022

of our volume sold in 2022 was low- or no-calorie

246



Currently offer ~200 master brands worldwide in five beverage categories:

- Offering drinks with reduced added sugar and more brands with nutrition and wellness benefits:
- Providing small package options and clear nutrition information on packaging and in Coca-Cola communications:
- Marketina Coca-Cola drinks responsibly
- Smartwater and Zendava are helping address the water crisis in communities across the world—starting with the star's hometown of Oakland, Calif.—by partnering with the Global Water Challenge's Women for Water platform focused on mobilizing clean water access for every woman and her community.
- Over two years, smartwater will donate \$200,000 in grants to the Global Water Challenge, starting with a \$100,000 grant for the community water challenge. Funding will support a range of activities including efforts to improve community water access, restore and protect water quality, build community climate resilience and promote economic empowerment opportunities through water.





Packaging



- · Launched in 2018, an ambitious strategy called World Without Waste to drive systemic change through a circular economy for Coca-Cola packaging.
- Coca-Cola packaging accounts for approximately 30% of total carbon footprint.
- Nearly all of World Without Waste efforts align with 2030 science-based climate target and net zero ambition by:
 - · Lightweighting Coca-Cola packaging,
 - Incorporating more recycled and bio-based material,
 - Investing in local recycling programs and
 - Increasing the use of reusable packaging.
- In Latin America, the "Let's Be Different" campaign kicked off on World Environment Day 2022, inviting consumers to trade any recyclable PET bottle for a refillable bottle of Coca-Cola Zero Sugar. In Brazil, returnable, refillable PET bottles of Coca-Cola, Fanta and Sprite can be returned, cleaned and refilled up to 25 times. The package gives shoppers an affordable option and drives repurchase rates.
- In France, a 250-ml returnable glass bottle (RGB) launched in hotels, restaurants and cafes for Fuze Tea, Tropico, Sprite, Fanta and Minute Maid. Additionally, Coca-Cola and Coca-Cola Zero Sugar are now offered in RGBs nationwide, eliminating more than 15 million single-use glass bottles in 2022.
- In Sweden, we are collaborating with Reitan Convenience on a reusable packaging pilot in Stockholm. Shoppers who visit the sustainability focused PDX store can choose from more than 60 fountain beverages, many of which are not available in bottles or cans. Shoppers are encouraged to bring their own refillable vessels or purchase a reusable stainless steel tumbler.
- In Scotland, Costa Limited ("Costa") carried out a 14-store pilot of an on-the-go reusable cup scheme, which invited consumers to rent a cup by scanning a QR code before enjoying their drink and then returning the cup for it to be washed and reused. The effort supports Costa's global goal for 25% of its drinks to be served in reusable or refillable packaging by 2030.
- Eight markets in Europe (Austria, Belgium, Iceland, Luxembourg, Netherlands, Norway, Sweden, Switzerland) offer their entire locally produced portfolios in 100% rPET.





Packaging





Coca-Cola's technology is being licensed for a 30% plant-based plastic bottle to a company building a commercial facility in Germany, which is scheduled to deliver material in 2024. A 100% plant-based plastic bottle prototype has been developed with plans to explore scalability of a 100% biobased PET resin and bottle (bottle, not cap and label). Biobased plastic packaging can have a lower carbon footprint than petroleum-based packaging.



Bottles with tethered caps, which enable bottles and caps to be collected together for recycling, are being piloted for company's entire portfolio in Germany, Bulgaria and Italy. Additionally, a new lightweighted bottle neck finish in Europe will save an estimated 9,100 tons of plastic per year by 2024.

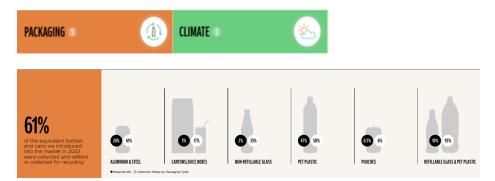


The KeelClip®1 packaging solution made from recyclable cardboard replaces plastic rings for multipacks. Following a successful rollout across Europe, the first-of-its-kind solution is being piloted in select U.S. markets.





Packaging



- In emerging markets, we advocate for government regulations permitting the use of rPET in food and beverage packaging, and we seek ways to empower the informal waste collection sector in the circular economy.
- In developed markets, we are working with industry peers to build collection infrastructures—including company's more than 40 years of experience operating 40+ local Deposit Return Systems (DRS). Countries with a well-designed DRS scheme, like Germany, can achieve high levels of collection (approximately 97% collection for non-refillable packages in Germany)
- In Brazil, SustentaPET collection centers take in more than 700,000 PET bottles a day to produce recycled resin that ultimately becomes new packaging. In its first three years, the program has recycled more than 83,000 metric tons of PET—and will expand to additional states in 2023.
- In Egypt, we partner with BariQ, the largest bottle-to-bottle recycling plant in the Middle East, to recycle 14,000 metric tons of plastic waste annually to food-grade product compatible with the European Food Safety Authority (EFSA), Food and Drug Administration (FDA) and Egyptian Organization for Standardization (EOS)





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Key Takeaways

- Integrate sustainability into corporate strategy, not a separate set of strategy
- Integrate sustainability initiatives throughout the value chain, even in one particular sustainability priority
- Integrate each function' sustainability priority into one single initiative, not work in silo
- 4. One project hits more than one sustainability goals, thus saving resource and rapidly enhancing company's priorities





You have successfully completed Module 2, Session 2.

Go to Session 3 Part 1



