

Scope 1

Fuel Combustion: Emissions from burning fossil fuels like natural gas, oil, or coal in boilers, furnaces, vehicles, or equipment.

On-site Generation: Emissions from generating electricity, heat, or steam on-site using fossil fuels.

Chemical Processes: Emissions from chemical reactions during industrial processes.

Fugitive Emissions: Leaks of greenhouse gases from equipment, such as refrigerants from cooling systems or methane from natural gas systems.

Scope 2

Location-Based Emissions: These are calculated using the average emissions intensity of grids on which energy consumption occurs, reflecting the mix of energy sources used to produce electricity in that location.

Market-Based Emissions: These are calculated based on the emissions from the specific energy sources that an organization has contracts with, such as through power purchase agreements (PPAs) or guarantees of origin for renewable energy.

Scope 3

Upstream Emissions

1. Purchased Goods and Services: Emissions from the production of goods and services purchased by the company.

2. Capital Goods: Emissions from the production of long-term assets purchased by the company.

3. Fuel- and Energy-Related Activities: Emissions not included in Scope 1 or Scope 2, such as the extraction, production, and transportation of fuels consumed by the company.

4. Upstream Transportation and Distribution: Emissions from the transportation and distribution of goods purchased by the company.

5. Waste Generated in Operations: Emissions from waste disposal and treatment of waste generated in the company's operations.

6. Business Travel: Emissions from the travel of employees for business purposes.

7. Employee Commuting: Emissions from the transportation of employees between their homes and workplaces.

8. Upstream Leased Assets: Emissions from assets leased by the company in the upstream value chain.

Downstream Emissions

9. Downstream Transportation and Distribution: Emissions from the transportation and distribution of sold products.

10. Processing of Sold Products: Emissions from the processing of intermediate products by third parties.

11. Use of Sold Products: Emissions from the use of goods and services sold by the company.

12. End-of-Life Treatment of Sold Products: Emissions from the disposal and treatment of products sold by the company at the end of their life.

13. Downstream Leased Assets: Emissions from assets owned by the company and leased to other entities.

14. Franchises: Emissions from operations of franchises not directly controlled by the company.

15. Investments: Emissions associated with the company's investments, such as equity and debt investments.