



Solvay One Planet

Raising the bar to tackle climate change and resource scarcity to foster a better life

2030 Goals

CLIMATE

Fighting against climate change by reducing energy consumption and emissions at our company and through the products we make



Our Goals

Our Progress as of 2021

30% Reduction of greenhouse gas emissions



100% Phase out of coal for energy

Plans for 3 out of 7 facilities announced as of Feb. 2022

30% Reduction of pressure on biodiversity



36 emission-reduction projects conducted, equivalent to cutting emissions by 1.3 million carbon fuel vehicles each year

RESOURCES

Protecting natural resources through our raw materials consumption, water consumption, effluents, emissions and waste generation, as well as through product life-cycle management



65% Share of sustainable solutions in Group sales



More than double Sales of products based on renewable or recycled resources

5% of sales

25% Reduction of freshwater intake



30% Reduction of non-recoverable industrial waste

Reduced by 34% as of 2021

BETTER LIFE

Improving the quality of life for employees and society through management of hazardous materials, people, process and product safety, social dialogue initiatives and product portfolio



Aim for zero employee accidents

16% reduction

Achieve gender parity for mid- and senior-level management

~25% women-representation

16 weeks Provided maternity, paternity and co-parent leave globally

Implemented in 2021

Introduced **Global Share Ownership Program** to align employees with the Group's performance by offering them a 10% discount on Solvay shares

As part of **Solvay One Dignity**, Solvay announced 9 concrete objectives and targets to foster diversity, equity and inclusion achieved by 2025



“ Solvay’s sustainability commitment is strong and goes beyond just reducing our environmental impact; it’s also about responsible capitalism and creating a better life for our employees and society at large. Whether it is through creating products that improve health, safety and air quality, caring for employees during the COVID-19 crisis, or developing circular economy solutions, we want to be a catalyst to enable a more sustainable future.

Ilham Kadri, Solvay CEO

Laying the Groundwork for a Carbon Neutral Future By 2050

Solvay plans to reach [carbon neutrality](#) before 2050. For all businesses other than soda ash, Solvay plans to achieve carbon neutrality by 2040.

€1 billion
in investments to reach carbon neutrality by 2040 for all businesses excl. soda ash

€1 billion
in investments for soda ash to pave its path towards full carbon neutrality before 2050

Phase 1 2020 – 2030

- In February 2020, Solvay announced plan to align emission reduction targets with the Paris Agreement
- In October 2020, Solvay joined [Science-Based Targets initiative](#); finalizing scope 3 targets in 2022
- [Rheinberg](#), Germany soda ash site to become the first in the world powered primarily by renewable energy thanks to sustainable biomass derived from discarded wood chips, which will cut 4% of the Group’s total emissions by 2025
- [Dombasle](#), France soda ash site to transition to primarily refuse-derived fuel as early as 2024, which will cut another 2% of the Group’s total emissions
- [Devnya](#), Bulgaria soda ash site to adapt boilers to increase co-combustions rate with biomass by November 2022, which will cut the Group’s total emissions globally by 8% by 2025
- Coal phase-out for soda ash by 2030 underway with planned actions addressing 30% of target

Phase 2 2030 – 2040

- Continue new energy transition projects to reach full neutrality in all businesses outside of soda ash
- Deploy and accelerate electrification for low- to medium-energy intensive businesses
- Process innovations and new energy technologies, particularly for emission-intensive businesses and sites

Phase 3 2040 – 2050

- Roadmap continues with remaining “hard-to-abate” soda ash sites to reach neutrality before 2050
- Expect to use offsets for a volume up to 10% (of the 2018 baseline) primarily through nature-based offsetting programs adhering to high-quality sustainability standards and in partnership with NGOs



[Top 10 companies in the U.S.](#) for installed solar power, having transitioned three of its core U.S. businesses across 17 sites to 100% renewable electricity as of January 2021



Proud member of [Apple's Supplier Clean Energy Program](#)

Leveraging Innovation to Develop Sustainable Solutions

Guided by our sustainability roadmap **Solvay One Planet**, the development of our new **non-fluorosurfactant technologies (Hylar® 5000S and Tecnoflon® LX)** is an example of our innovation at work. These technologies use a new polymerization process that does not require the use of fluorosurfactant process aids from the PFAS family of compounds, while keeping important properties required by customers and applications.

With these technologies now in full production at our West Deptford, New Jersey facility, Solvay has eliminated the use of fluorosurfactant process aids in the U.S.