SUEZ MANIFESTO 2024

MAKING EUROPE SUSTAINABLE AND RESILIENT



ABOUT US

> ***Faced with growing environmental challenges, each day, for more than 160 years, we have been acting in support of our clients and partners to deliver essential services that protect and improve the quality of life wherever we operate. Our purpose, adopted in September 2022, underlines our commitment to people and planet.***
>
> Sabrina Soussan, Chairman and CEO of SUEZ



SUEZ provides its customers with innovative and resilient solutions for water and waste services. With 40 000 employees across 40 countries, the Group works with customers to create value over the full lifecycle of their assets and services, and to drive their low carbon transition. In 2022, SUEZ provided drinking water for 68 million people worldwide and sanitation services for more than 37 million people. The Group generated 7.9 TWh of energy from waste and wastewater. In 2022, SUEZ has generated revenues of 8.8 billion euros*.

SUEZ is relying on innovation and co-creation to implement a smart and sustainable resource management: optimizing the use of water thanks to information technologies, creating alternative water resources, recovering waste into energy or new materials and helping reduce primary source resource consumption.

SUEZ's sustainable development roadmap for the period 2023-2027 includes 24 operational commitments, with the aim of stepping up our efforts regarding the climate, the preservation of nature and social responsibility in the coming years. These commitments are robust. In recent months, they have been recognised by two world-leading organisations in the extra-financial assessment of companies**.

SUEZ shares the ambition of the European Union and its leaders to drive Europe towards a low-carbon, resource-efficient and circular society. In that perspective, we would like to express our priorities and recommendations for making Europe sustainable and strategically autonomous.

**restated on a 12-month basis*

*** In January 2024, SUEZ was awarded the EcoVadis Gold Medal, and in February it received a double A- rating from CDP for its climate and water stewardship commitments*

OUR RECOMMENDATIONS

1. PROTECTING THE FUTURE OF WATER

Water stress affects 20 % of the European territory and 30 % of the European population on average every year, while droughts cause economic damage of up to EUR 9 billion annually.*

IMPLEMENT AN AMBITIOUS WATER STRATEGY

- Secure availability and access to an increasingly vulnerable resource (reduce, reuse, tackle leakage).
- Address the lack of investment in aging water infrastructures in relation to the ongoing climate crisis.
- Nominate a European Vice-President of Water to address water across all policies.
- Ensure that water quantity and quality are tackled particularly in the European Industrial Deal, as well as for energy and agricultural objectives.



SUPPORT THE ECONOMIC MODEL FOR WATER

- Revamp the economic model around water to ensure the necessary investments are made to water infrastructures while adapting the price of water to reflect its social and economic value.
- Establish a European dedicated water fund by earmarking water related funding - already existing as well as additional funding - to support the necessary investments (CAPEX and OPEX) at European level.

ENSURE SAFE DRINKING WATER FOR ALL

- In the light of increasing awareness around the risks of pollution in water, maintain efforts to provide good quality drinking water for all.
- Reduce micropollutants at source, while ensuring adequate financing of effective treatment techniques.



DRIVE WATER REUSE

- Re-open and revise the water reuse regulation to extend water reuse to other possibilities such as street cleaning and urban parks across the EU.
- Promote aquifer recharge by injecting treated reused water.
- Develop policies promoting industrial water reuse and alternative water resources as the potential remains largely unexploited in Europe.
- Give water its full value in the circular economy. Wastewater can serve different usages but also contains energy, fertilizers,



Wastewater treatment plant Aquapole, Grenoble, in november 2016

** According from the EEA report (2021): Water resources across Europe - confronting water stress: an updated assessment., page 9, https://www.eea.europa.eu/publications/water-resources-across-europe-confronting*

2 PROMOTING CIRCULARITY AND PRODUCTION FROM WASTE LOCALLY

Recovering renewable and decentralized energy from solid waste and water meets local needs of cities and industries. It creates green jobs and growth while reducing GHG emissions and contributing to the EU energy transition and autonomy.

RECOVER ENERGY FROM WASTE

- Recognize the importance of the contribution of waste towards EU energy autonomy and the energy transition.
- **Incentivize the production of biomethane. Render the target of 35bcm production of biomethane by 2030 legally binding.**
- **Reinforce financial and regulatory support to energy produced from local renewable feedstocks that ensures heating supply in urban heating networks** (municipal and industrial waste, biowaste, green waste, sludge).
- **Encourage incineration as a way to respond to local** client needs for producing an energy source that is more than 50% renewable.
- **Upgrade all existing landfills to ensure the capture of biogas to avoid GHG fugitive emissions and use it as a local renewable energy resource (biomethane, electricity and heat).**

DRIVE ALTERNATIVE FUELS

- **In addition to the regulatory framework set by RED, ReFuel Maritime and ReFuel Aviation, ensure financial support for this transition. Residual waste contributes to the production of alternative fuels.**
- **Promote the use of biofuels and recycled carbon fuels produced from waste in order to boost their development.**

RECOVER ENERGY FROM WATER

- **Support the attainment of energy efficiency** of water services (production, distribution, plants) by taking into consideration offsite and on-site low-carbon/renewable energy consumption

PROMOTE CIRCULARITY

- **Include polymers in the Carbon Border Adjustment Mechanism (CBAM)** to enable a level playing field of recycled plastics in Europe and outside of Europe.
- **Encourage investments and subsidies favoring the circularity of resources** (plastics, metals, batteries, paper/cardboard and critical materials, etc.)
- **Drive elimination of micropollutants at source** and support financing the treatment of micropollutants.



Millberry in bulk at the RecyCâbles site in Noyelles-Godault, in october 2018.

3. DEVELOPING CARBON CAPTURE SOLUTIONS

Carbon capture can mitigate climate change. For example, the combination of nature and technology-based solutions can contribute to the health of soils and water resources, such as biochar.

PROMOTE CCU, CCS AND BECCS

- Promote the **benefits of capturing, using and storing CO2 from waste.**
- Ensure **financial and regulatory incentives to enable incineration to benefit** from CCUS investments in the context of EU ETS extension to incinerators.
- Include **support schemes for incinerators** in the upcoming Industrial Carbon Management legislative proposals.
- Promote **the benefits of capturing, using and storing CO2 from waste,** including for biogenic emissions using BECCS (bioenergy carbon capture and storage).

ORGANIC CARBON CAPTURE SOLUTIONS

- Support **biochar as a carbon removal solution** following its inclusion in the carbon removal certification framework.
- Promote **the potential of biochar for restoring degraded and contaminated land and improving soil health.** Moreover, encourage the decarbonization of the agriculture sector by using biochar.



Activated carbon filter of one of the cogeneration engines on the Méta Bio Energies site in Combrée, in July 2020.

OUR REFERENCES



WASTE RECOVERY

SUEZ will operate with its partner Eramet the industrial plant in Dunkirk for the recycling of lithium-ion electric vehicle batteries. The upstream blackmass dismantling and production plant will have a processing capacity of 50 000 tons of battery modules per year and the downstream hydrometallurgy plan will extract and refine the strategic metals contained in the blackmass (nickel, cobalt, lithium), allowing them to be reused in the production of new batteries. The target start-up for the upstream is set for 2025 and the target start-up for the downstream plant is foreseen for 2027.



ENERGY RECOVERY

With a production capacity of 43.5 MW, the BioSynErgy boiler has been offering a more environmentally friendly alternative energy source since late 2023, helping to improve the local CO2 footprint. The plant supplies more than 300,000 MwH to the urban heating network of the southern Le Havre conurbation (24,000 housing units equivalent), as well as to industrial users in the port area. Thanks to this new project, 50,000 tons of fossil CO2 are saved every year, and almost 100,000 tons of non-recyclable waste, previously sent to landfill, are recovered as energy. The BioSynErgy project is recognized and supported by the public authorities, with BioSynErgy receiving the grant BCIAT (Biomass heat for industry, agriculture and the service sector) from the French Agency for Ecological Transition.



BIOMETHANE

SUEZ operates the Pau-Lescar biofactory wastewater treatment plant and builds with its partners Storengy (ENGIE group) an anaerobic digestion and methanation unit which will make it a positive energy plant. Upon completion, the plant will produce 13,000 MWh of biomethane and e-methane and avoid around 5,000 tons of CO2 per year.



WATER SUSTAINABILITY

SUEZ is a pioneer in groundwater recharge. In Australia, our engineers leveraged our global expertise to design an Advanced Water Recycling Plant in Beenyup, Western Australia. It uses an innovative reverse osmosis process where treated wastewater is further purified to drinking water standards, before being recharged into groundwater supplies. Contributing to the water supply of Perth's two million inhabitants, Beenyup has shown that advanced water treatment and recharge is a viable and sustainable option for any forward-thinking global city.

KEY FIGURES

8.8 billion euros*
Revenues in 2022

40.000
Employees

40
Countries

10 R&D
and excellence centers in Europe and Asia

102 million m³
of alternative water reused

4.6 billion m³
of drinking water produced

2.8 billion m³
of wastewater treated

2.2 million
metric tons of secondary raw materials produced

6 million
metric tons of CO_2 equivalent emissions avoided

7.9 TWh
of energy from waste and wastewater generated

16.7 million
metric tons of waste processed

close to 7 million
people received access to waste treatment services

40.000 customers
in the services and industrial sector served through its waste collection activities

*restated on a 12-month basis

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Caption of the cover picture : Effluent treatment plant Petroineos – Lavera, in November 2016

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