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Environmental innovation: SUEZ and SIPPAREC¹ join forces to develop the 1st green hydrogen production solution on an Energy-from-Waste plant in France:

- **a local and carbon-free energy solution that benefits air quality and the climate**

SUEZ and SIPEnR, a subsidiary of SIPPAREC, join forces and innovate together with the creation of the company “H2 Créteil” to build a green hydrogen production and distribution plant at the Energy-from-Waste (EfW) Unit of the Val-de-Marne Joint Syndicate for the Treatment of Urban Waste (SMITDUVM) in Créteil, near Paris. This facility, a first in France, will be commissioned by the end of 2022. This innovation will provide a carbon-free energy solution to all green mobility actors in the areas of Grand Paris Sud Est Avenir, Paris Est Marne et Bois, Grand-Orly Seine Bièvre territories and more broadly the Paris region.

The hydrogen plant project at the Créteil EfW will convert electricity produced from the combustion of household waste into hydrogen using an electrolysis process. Locally produced, this carbon-free energy solution that meets all current standards will guarantee a stable price for users, independent of the ups and downs and uncertainties of the fossil fuel markets.

The plant will initially² have a production and distribution capacity of 500 kg/day of hydrogen, covering the equivalent consumption of 500 cars travelling 100 km per day. Produced as needs dictate, the hydrogen will be available to public vehicles such as buses, household waste trucks, special vehicles for local authorities and utility vehicles, in an area known for intensive transport activity nearby Orly airport and the highway (A86). The modular unit will ultimately distribute up to 1 tonne of hydrogen per day, preventing the emission of at least 1,300 tonnes of CO₂ each year.

The establishment of this plant, backed by the French Environment and Energy Management Agency (ADEME) and the Île-de-France region, on the SMITDUVM site, is in line with the territories' aim to develop alternatives and provide greener solutions to intensive mobility (heavy trucks, public transports, utility vehicles and local authority fleets). It is also one of the stages of the development plan initiated three years ago by VALO'MARNE³, including the commissioning of carbon sinks and the additional supply of steam for the local district heating network. As a result, it fully aligns with local energy transition and environmental policies as well as the hydrogen plan in France. Under this plan, €7 billion,

¹ Outer Paris Intercommunal Syndicate for Energies and Communication Networks

² At launch, at the end of 2022

³ Dedicated company responsible for running the Energy-from-Waste plant in Créteil, near Paris.

€2 billion of which as part of the stimulus plan in 2021 and 2022, will be injected by 2030 into research and development in a sector that creates employment and enhances air quality and the climate.

Jacques J.P. Martin, President of SIPPAREC: *“This project is part of SIPPAREC’s DNA and its semi-public company SIPEnR: encourage and pool expertise and be proactive in innovations that foster the energy and digital transition. This green hydrogen production and distribution plant will benefit air quality and the climate, as well as the economy in the local area concerned and its population.”*

Axel Urgin, President of SMITDUVM: *“The hydrogen production plant, which will be commissioned in 2022 at our Energy-from-Waste plant in Créteil, is part of the fundamental project that we initiated in 2018 to make Valo’Marne an exemplary circular economy and inclusive platform, a pilot in environmental innovations with high energy and environmental efficiency, air quality and now clean mobility.”*

Jean-Marc Boursier, Senior Executive VP in charge of the France Region and Chief Operating Officer at SUEZ Group: *“Against the background of climate change, protecting the environment and producing green energy represent one of the major challenges. The SUEZ Group is proud to innovate every day alongside its local partners to provide advanced, local and carbon-free solutions, such as the creation of this hydrogen plant in Créteil. This innovation is a first for the Group. It is fully aligned with our SUEZ 2030 strategic plan and our ambition to become the leader in environmental services.”*

Press Contacts:

SUEZ
Elodie Vandevoorde
+33 (0)6 78 36 19 52
elodie.vandevoorde@suez.com

SIPEnR / SIPPAREC
Lucie Garret
+33 (0)7 70 02 28 17
lgarret@sipparec.fr

About SIPPAREC and the semi-public company SIPEnR

SIPPAREC (Outer Paris Intercommunal Syndicate for Energies and Communication Networks), a local public institution, encompasses 115 local authorities in the Paris region. As a public partner of local authorities, SIPPAREC supports, advises and assists its members on implementing their public policies in energy and digital in order to provide high-quality local public services. It is the preferred contact for local authorities wishing to develop a local policy to foster the energy and digital transition. www.sipparec.fr / Serving local authorities and the general public, the semi-public company SIPEnR aims to develop, finance and operate resources for producing energy from renewable sources, in line with the efforts undertaken by SIPPAREC in this area. It is the result of a partnership between several regional and national actors involved and recognised for their commitment and achievements in fostering the energy transition.

About SMITDUVM

SMITDUVM (Val-de-Marne Joint Syndicate for the Treatment of Urban Waste), which encompasses 19 communes, is responsible for the Energy Recovery Unit located in Créteil. www.smitdumv.fr

About SUEZ

Leveraging its expertise gained since the end of the 19th century, SUEZ helps people to continually improve their quality of life by protecting their health and supporting economic development. Operating globally, the Group and its 90,000-strong workforce preserve the key elements of our environment – water, land and air – by providing innovative and resilient solutions in water management, waste recovery, soil decontamination and air processing that enable local authorities and industries to optimise the management of their resources, such as smart cities, and to improve their environmental and economic performances. The group provides sanitation services to 64 million residents, produces 7.1 billion m³ of drinking water, contributes to economic development by creating over 200,000 direct and indirect jobs per year and helps to create new resources with 4.2 million tonnes of secondary raw materials produced. At the end of its strategic plan, the Group’s aim is to achieve fully sustainable solutions that have a positive impact on the environment, health and the climate. In 2019, SUEZ generated revenue of €18.0 billion.

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Registered office – Tour CB21 – 16 Place de l’Iris, 92040 Paris La Défense Cedex, France – Tel: +33 (0)1 58 81 20 00 - www.suez.com

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