



# Contribute to combating climate change



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**Veolia Japan**

# Who we are and what we do?

Veolia designs and deploys solutions for **water**, **waste** and **energy** management, participating in the sustainable development of cities and industries.

Our mission is : **RESOURCING THE WORLD.**



**WATER**

- Management of the global water cycle
- from production and distribution of drinking water
- to the collection, treatment and recycling of wastewater.



**WASTE**

- Liquid and solid
- non-hazardous and hazardous waste management
- Covering the entire waste life cycle from collection to recycling, leading



**ENERGY**

- Energy efficiency, efficient
- Heating and cooling networks
- Green energy production.

# Veolia and carbon initiatives

As a global leader in optimized resource management, Veolia has been involved carbon initiatives for example...

## COP 21 in Le Bourget

Involved in all the events related to this international conference, but also in the different stages leading up to it with

- In 2015 launched **Resourcing the world campaign** (improving access to resources, preserving resources and replenishing resources )to raise awareness and promote carbon reduction through Veolia's circular economy business
- Using direct, optimistic and cheerful approach
- The new multi-media campaign
- Five iconic solutions reflecting Veolia's ability to offer low carbon solutions
- Positioning itself as a circular economy pioneer



# Veolia and carbon initiatives

## Carbon Pricing Leadership

Align with “Carbon Pricing Leadership Coalition”, organized by the World Bank, a Private Sector to closely work together

- Risk/ opportunity evaluation of carbon pricing
- Building up with the implementation of the Long Term Plan
- **Risk** (Market, Taxes, Energy Selling and Purchasing)
- **Opportunity** (CO2 Revenues, project financing)
- Integration of those risks/ opportunities into the business plan
- List of activities concerned
  - District energy/ production
  - Solid waste/ landfill disposal
  - Solid waste/ energy recovery
  - Hazardous and liquid waste

# 3 priority actions for GHG emission reduction

## Spread the circular economy

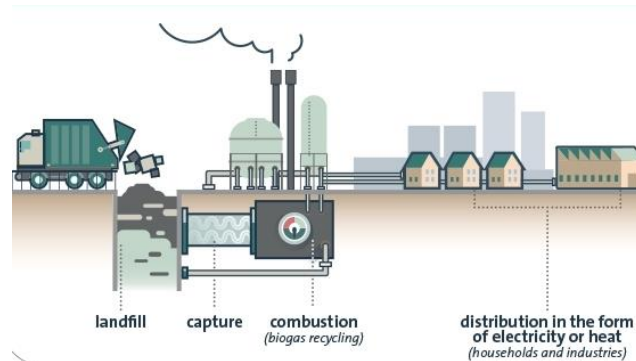
Switch from a linear economy **to a more circular one** and develop a more sober and efficient **model for the use of resources**



## Capture and use methane

Methane capture and **use enable to produce heat and electricity** and thus to transform this pollutant gas into **green energy**

### OUR 3 PRIORITIES IN THE FLIGHT AGAINST CLIMATE CHANGE



## Tax pollution

Setting up a more virtuous system and a low-carbon economy is necessary to preserve resources

A CO<sub>2</sub> price that will guide investment towards **low-carbon solutions** must therefore be set.

Making CO<sub>2</sub> emitting activities more expensive.

Making low carbon solutions more competitive and more attractive.



# Veolia's commitment – 2020 objectives

## COMMITMENT

Contribute to combating climate change

## 2020 OBJECTIVES

**100 million  
metric tons**

CO2 equivalent tons of  
emissions reduced over  
the period 2015- 2020

capture over

**60%**

of the methane  
from the landfills  
we operate

**50 million  
metric tons**

CO2 equivalent tons of  
emissions avoided over  
the period 2015- 2020

# 2017 performance



**44 million  
metric tons**

CO2 equivalent emissions since 2015

**5%** Heat and power efficiency

**7%** Other (energy self-consumed by facilities, biogas production, integrated energy management)

**12%** Cogeneration

**21%** Use of alternative and renewable energy

**55%** Methane emissions avoided by landfill centers



**18.4 million  
metric tons**

CO<sub>2</sub> equivalent avoided since 2015

Energy recovery from waste and sludge **44%**

Materials recovery from waste **56%**

Resourcing the world  **VEOLIA**