

Veolia Ecofactory

When Cities See Wastewater Anew



Fred Van Heems
President and Chief Executive Officer, Veolia North America



Veolia North America Municipal Water

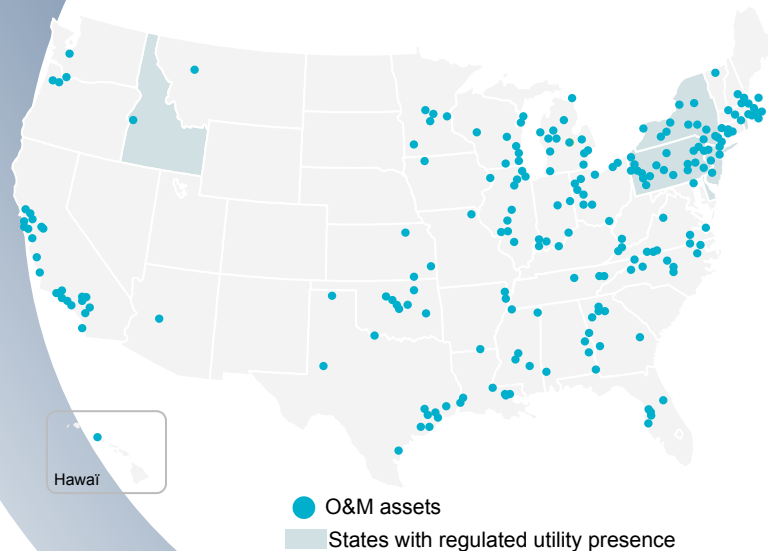
Successful operations since 1869

Regulated Water

- > Operations in 6 different states
- > 600,000 connections serving 2.3M people

Water O&M

- > 200 water and wastewater facilities in 35 states
- > Water, wastewater and biosolids management for 18.4M people



Veolia serves more than 1 in 13 people in America

Solutions are in your wastewater

- Saving money and generating revenue
- Protecting the environment
- Cutting carbon emissions and generating clean energy
- Building a better future for your community



An Ecofactory treats wastewater as a resource for your community

Wastewater → Reused water

Biosolids → Fertilizer

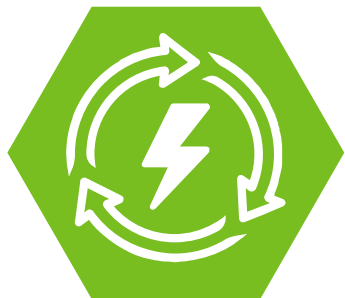
Biogas → Energy

Fats, oils and grease → Energy

Waste heat → Energy



The five Ecofactory pillars



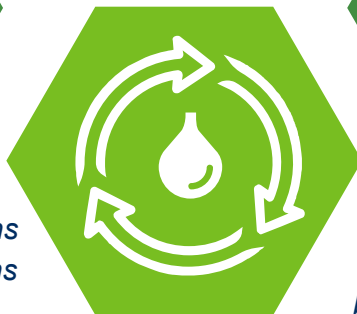
Green Energy

Generate energy onsite with wastewater, solar and wind; improve energy efficiency with AI and digital solutions



Decarbonization

Reduce carbon emissions from municipal operations



Net Zero Water

Reuse and recycle treated wastewater for industrial, agricultural or other uses



Resource Recovery

Find beneficial uses for biosolids, micronutrients and other recovered materials



Community Stewardship

Economic, educational and ecological improvements for the entire community

Milwaukee Metropolitan Sewerage District

Biosolids → Milorganite fertilizer

**Digester gas and landfill gas →
heat and energy**

Clean effluent → industrial water

**Community involvement →
Environmental, economic and
educational opportunity**



New Orleans wastewater improvements

Hubgrade digital management:

- Collects and analyzes operational data
- Improves efficiency and reduces costs
- Saves energy and emissions

New on-site oxygen generation system:

- Eliminates 150 truck trips and 144 metric tons of greenhouse gas emissions per year
- Saves \$2 million per year and cuts energy and chemical use by 10%



**Ecofactory is a way
to help reach your
community's goals**



www.veolianoorthamerica.com/ecofactory

