



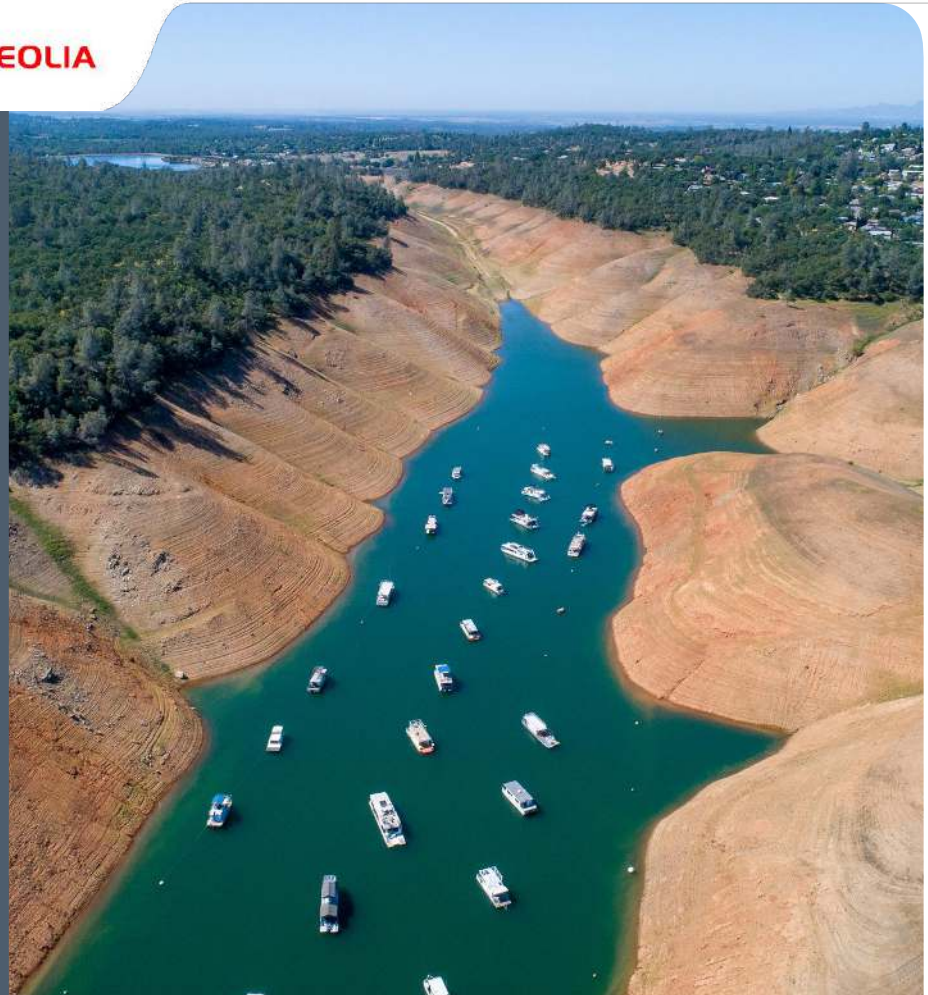
# Veolia North America

## Facilities, Buildings and Service

Opportunities for the Water, Energy,  
Waste Nexus

United States Conference of Mayors  
Mayors Water Council

10/14/2022



# CHALLENGES WATER ENTITIES FACE

## Where do you go from here?

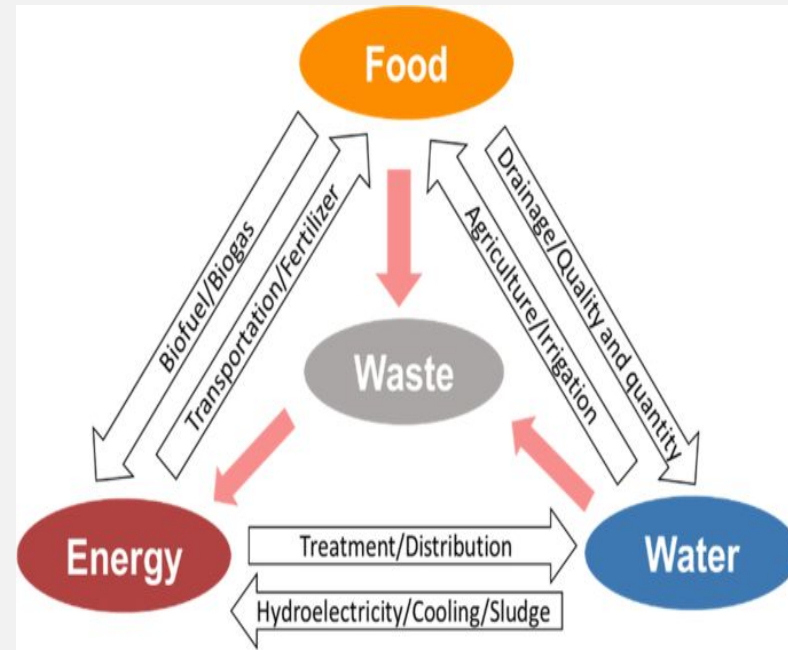
- Rapid Increases in Population Growth
- Utility Grid Reliability and High Escalation Energy Costs
- Aging Infrastructure
- Climate Change – Drought, flooding, and wildfires are more common now than ever before in our history.
- Limited Financial Resources
- Depleting ground water
- Colorado River Crisis



# SOLUTIONS WORTH CONSIDERING

The time is now for the water, food, waste energy nexus!

- Water recycling
- Desalination
- Production of renewable energy with solar, biogas and even hydrogen.
- Landfill diversion of green waste to digester systems.
- Automatic Meter Reading (AMR) and Advanced Metering Infrastructure (AMI) to reduce bypass and water loss.
- Energy Reduction through Energy Efficiency Measures
- Energy Storage with Microgrid Controls



# FUNDING SOLUTIONS

## Leveraging Available Funding

### Infrastructure Investment and Jobs Act

Provides funding for Western Water Infrastructure, Water Storage, Water Recycling and Reuse, Desalination, Critical Maintenance and Repair, Water Efficiency, Resiliency, ZEV and Energy Efficiency. Applications opening 4Q 2022! Now!

### California State Grants & Financing Programs

The State of California has issued many grants and subsidized financing programs for Energy Efficiency, Energy Storage, Renewable Energy Generation and Electric Vehicle (EV) Infrastructure.

### Public-Private Partnerships

Allows for access to private sector financing and the transfer of risk from the public entity to the private sector. P3's provide guaranteed performance and uptime and increased operational efficiency.

### Utility Rebates, Incentives & Financing Programs



# INFLATION REDUCTION ACT of 2022

## Let's take a closer look!

- \$749 billion funding includes \$369 billion for climate-related emissions reduction activities!
- Creates new credits for anaerobic digestion plus other biofuels
- Expands and extends more tax credits
- Allows projects to monetize tax credits directly
- Authorizes investment tax credits (ITCs) up to 50% or more of qualified project costs rather than the historic 30%
- Establishes a stand-alone ITC for battery or certain thermal storage
- Creates a \$27 billion national Green Bank (called the Greenhouse Gas Reduction Fund) to leverage funding for early-stage or other hard-to-finance renewable energy projects
- Appropriates over \$100 billion to support (e.g.) federal, state, local and tribal project permitting, carbon capture and clean hydrogen development, clean transportation, GHG reduction planning, and Energy Department loan guarantees



# CLIMATE ACTION PLANNING

## Continuous Monitoring Solutions

### INCREASED EFFORTS TO REDUCE GHG EMISSIONS

Comprehensive Climate Action Planning

Real time dashboards to prove progress

Transparency to all stakeholders



| *Questions?*

