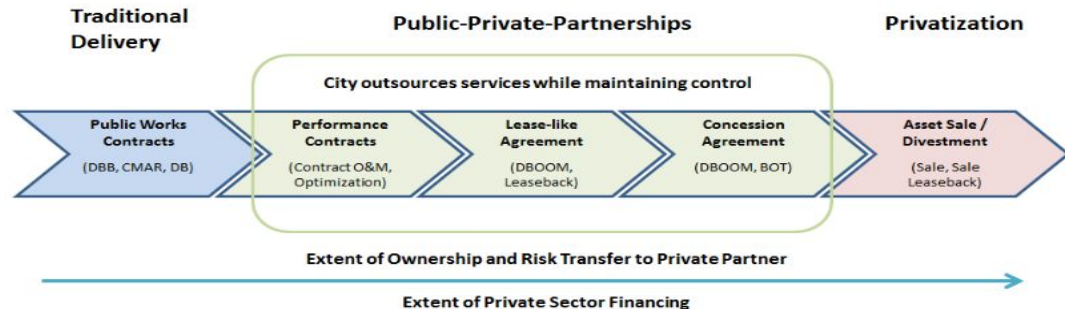
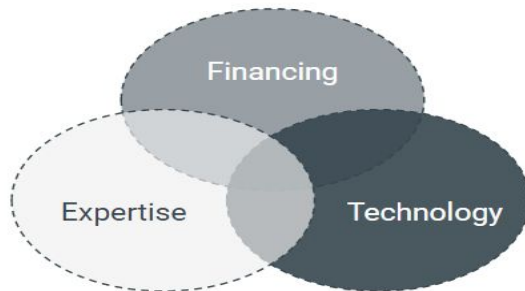


# How Public Private Partnerships (P3) Can Solve Our Nation's Most Pressing Water Challenges:

A Case Study in Rialto



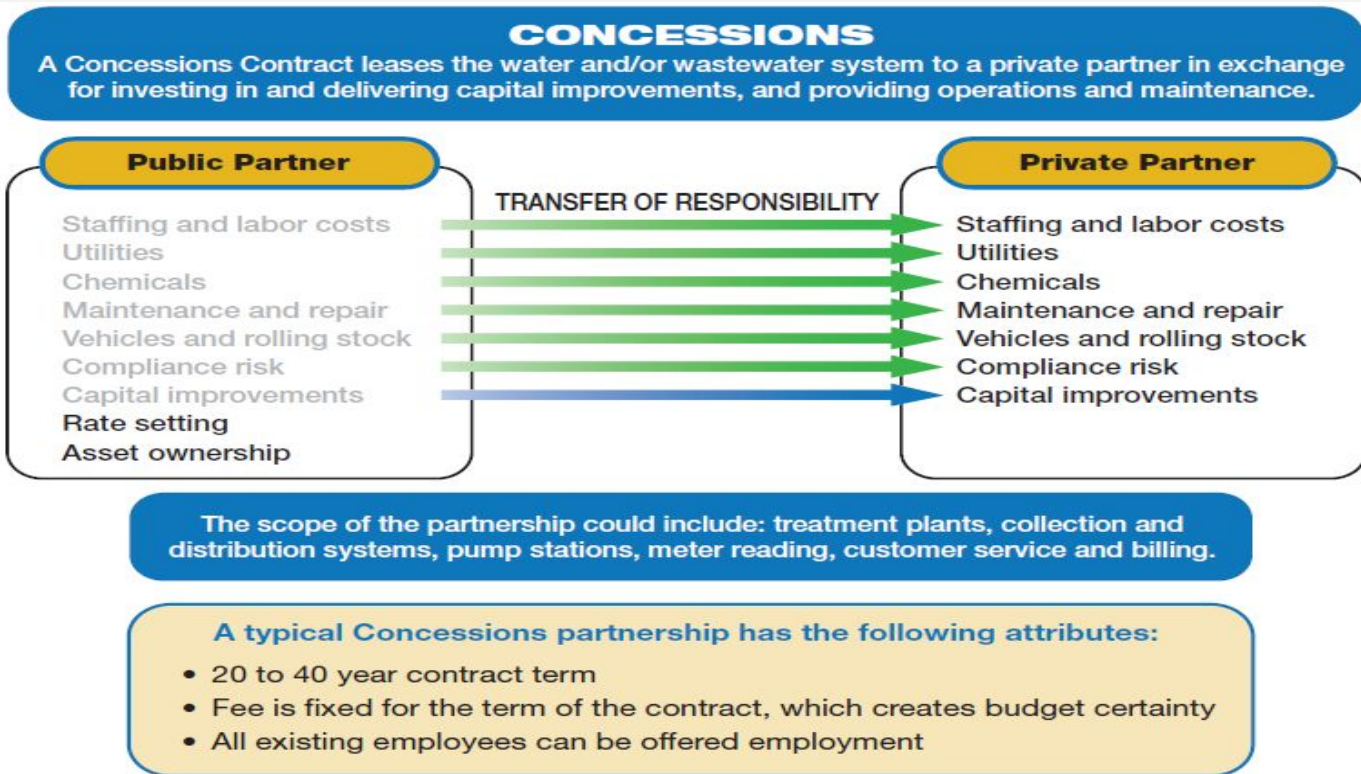
# Partnership: Water Infrastructure P3s



- P3s can provide access to expertise, financing and/or technologies: it depends on each city's needs
- A P3 approach allows cities to draw on private sector and still maintain control



# Contract Operations: Concessions



# Veolia is the global leader in optimized resource management: WATER, ENERGY, & WASTE solutions

**169**

years of service

**\$43.4**

billion revenue

**220,000**

employees on 6 continents



Water Company  
of the Year:  
**VEOLIA**



**GLOBAL WATER  
AWARDS 2016**  
Recognising Excellence  
19 April Emirates Palace, Abu Dhabi, UAE

MORE THAN  
**2,000**  
PATENTS FILED



**6**  
RESEARCH  
CENTERS  
3 of them  
specialized

Our 10,000 sustainability professionals in North America work alongside clients to deconstruct their challenges, and apply innovative operational and technical solutions that deliver savings and protect workers, communities, and the environment.

# Rialto: Capital Program Management (CPM)

## FIP Program

- \$41M portfolio of Facility Improvement Projects (FIP)
- 14 Water Projects valued at \$12.9M
- 10 Wastewater Projects valued at \$28.1M



## CPM Support

- Ability to use alternate project delivery methods (DB, PDB)
- In-house CPM, T&P support
- Pre determined financial structure based on project delivery & scope
- Collaborative project delivery
- Compliance with financing requirements












## Results Achieved

- All Water & Wastewater projects closed out between 2013 and 2020
- \$30M Wastewater Treatment Plant Upgrade Project (S1) completed in July-2020: Three months ahead of schedule, within approved Contingency
- Best value option selected for project execution

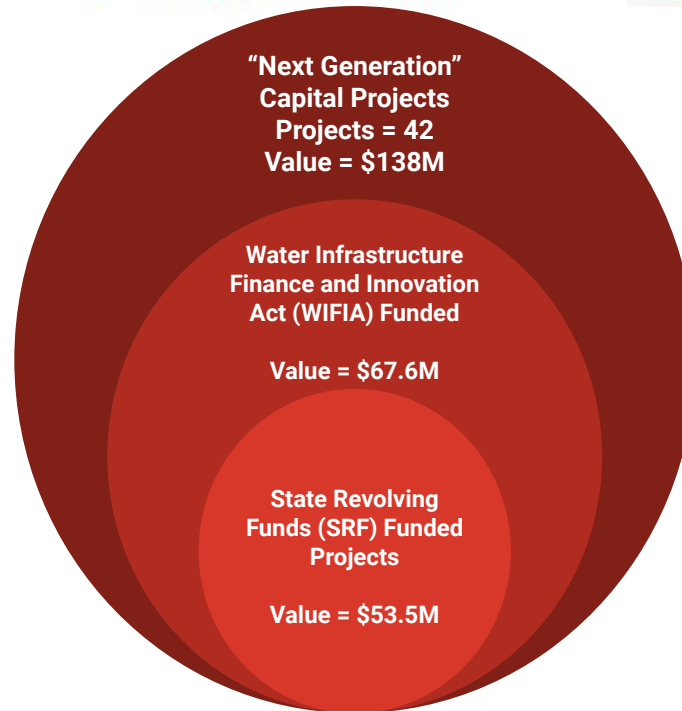
# Microgrid & Cogen Project – Partnership and Value

Rialto, City of Firsts



	Reducing Costs	<div>\$800K</div>	 	Reduce power consumption (\$722k/yr) Reduce natural gas consumption (\$91k/yr)
	Protecting Environment	<div>600 MT/yr</div>	 	Reduced flaring (future AQMD goals) Reduced greenhouse gas emissions
	Enhancing Resilience	<div>12 Minutes</div>	 	Power outage impact on Santa Ana

# Funding for Next Generation Capital Projects





# Questions





# Examples of System, Project, Service Level P3s

## Milwaukee, WI (System - Wastewater)



North America's largest WW partnership has achieved new levels of compliance, service and innovation for the city's WRF and conveyance and deep tunnel systems. Since entering a P3, Milwaukee is saving an estimated \$35 million over 10 years.

## Honouliuli, HI (Project - Reuse)



A state-of-the-art wastewater reclamation facility has reduced ocean pollution and increased the availability of drinking water, thanks to a 20-year, \$140 million P3 agreement. This solution is saving the city up to \$35 million over the course of the partnership.

## Winnipeg, BC (Service- Capital Program)



Capital program management and advisory services has transferred risk from the city, while providing long-term management assistance. Through this P3, Winnipeg has launched a capital program to advance \$750 million in mandatory sewer upgrades.

# Next Steps

- Starts with a conversation - what's right model for your city; engage with the private sector to learn more and exchange ideas.
- Engage a P3 Advisory team - invaluable advice to ensuring market participation and focus on meeting P3 goals.
  - Legal
  - Financial
  - Technical

## Procurement

- RFQ to RFP staged process (focuses on qualified proposal teams).
- Consider consultative approach during process - ensures proposals are on target.