



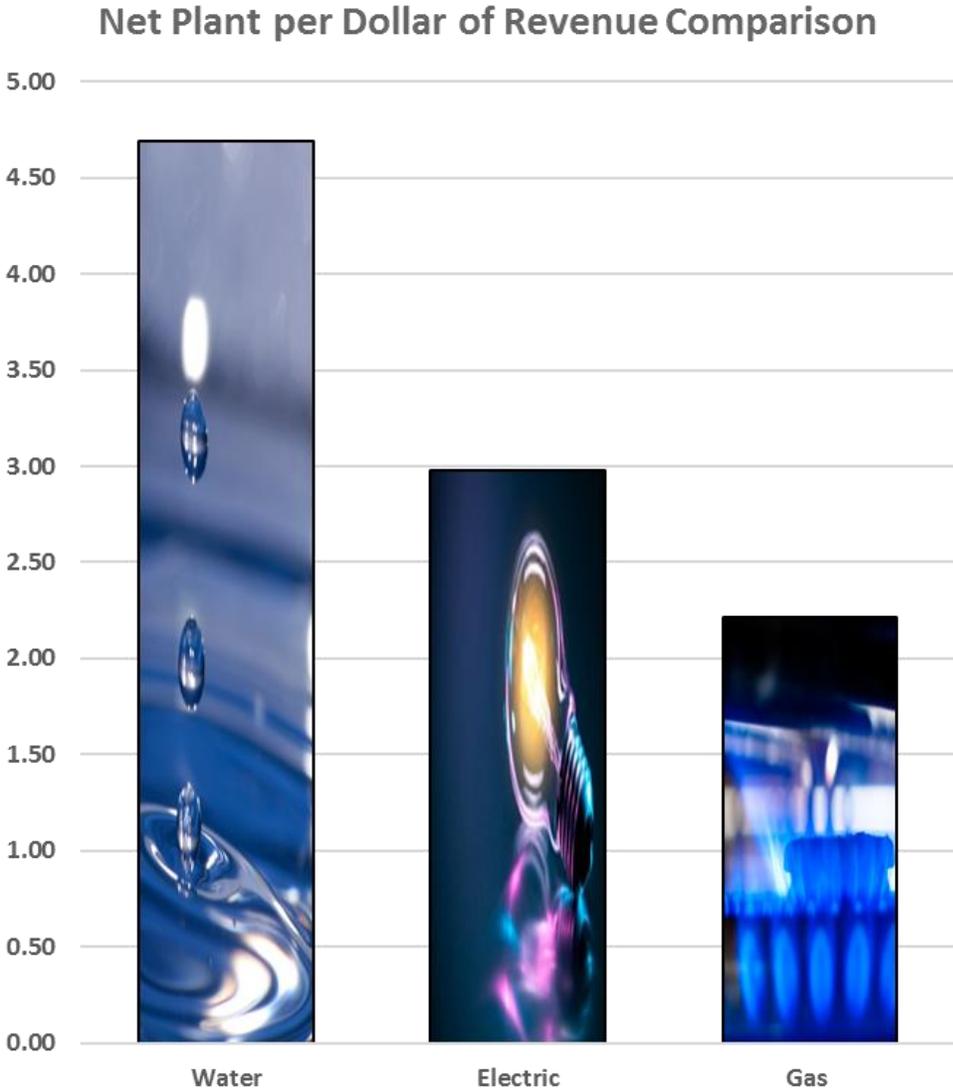
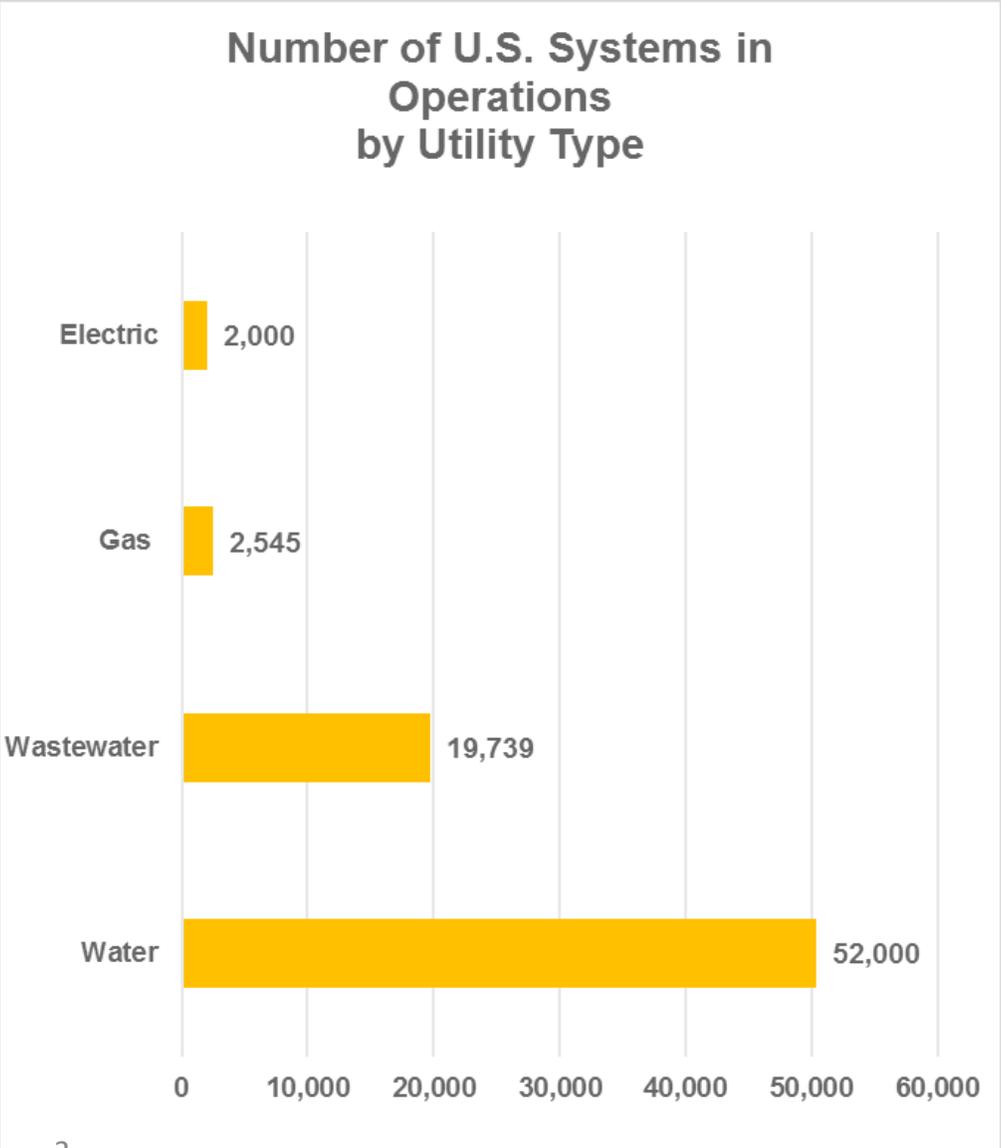
AMERICAN WATER

# Asset Management Best Practices and Water Quality Accountability

NARUC Summer Policy Summit  
July 22, 2019

We keep life *flowing*<sup>®</sup>

# Capital Intensity and Fragmented Industry



## FOOTPRINT

Regulated Business

- 3.4 million** customers
- 16** states
- 1,600** communities
- 302** water systems
- 157** wastewater systems

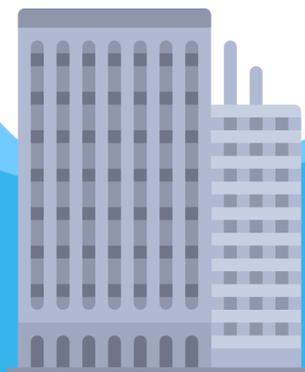
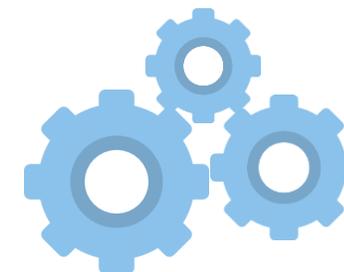
American Water's Regulated Presence



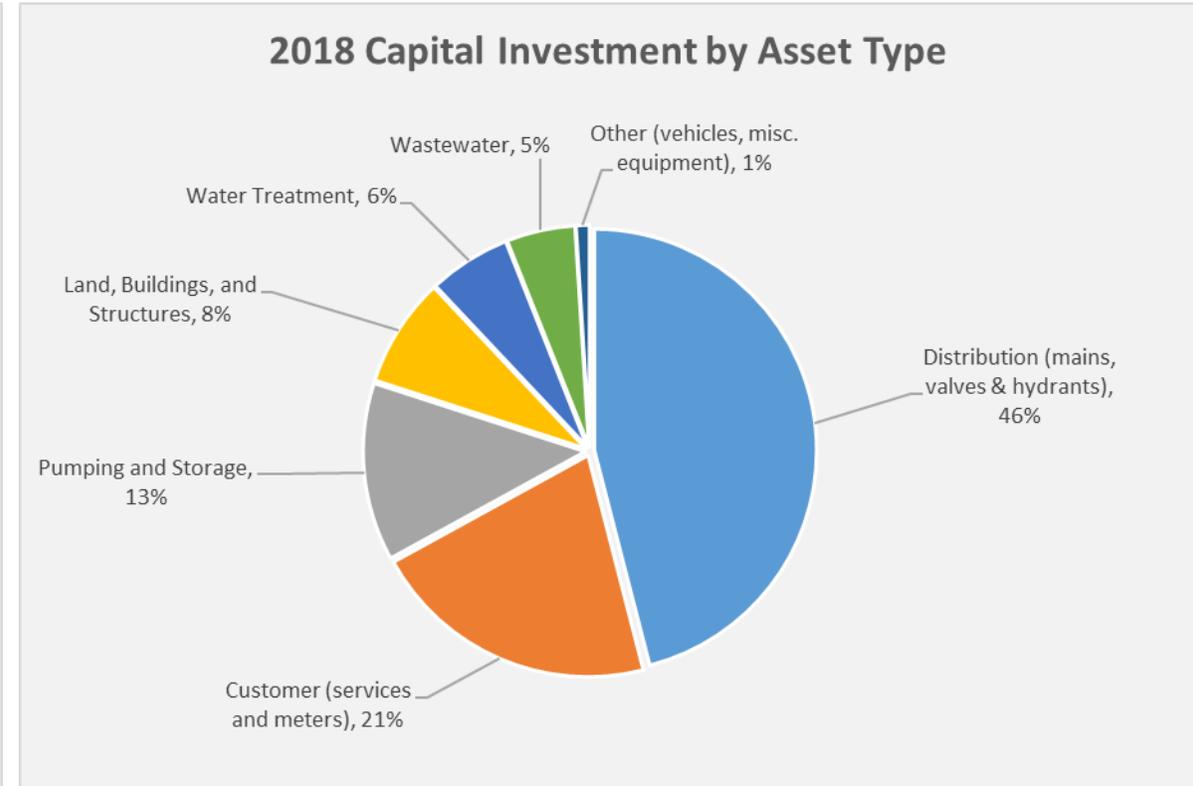
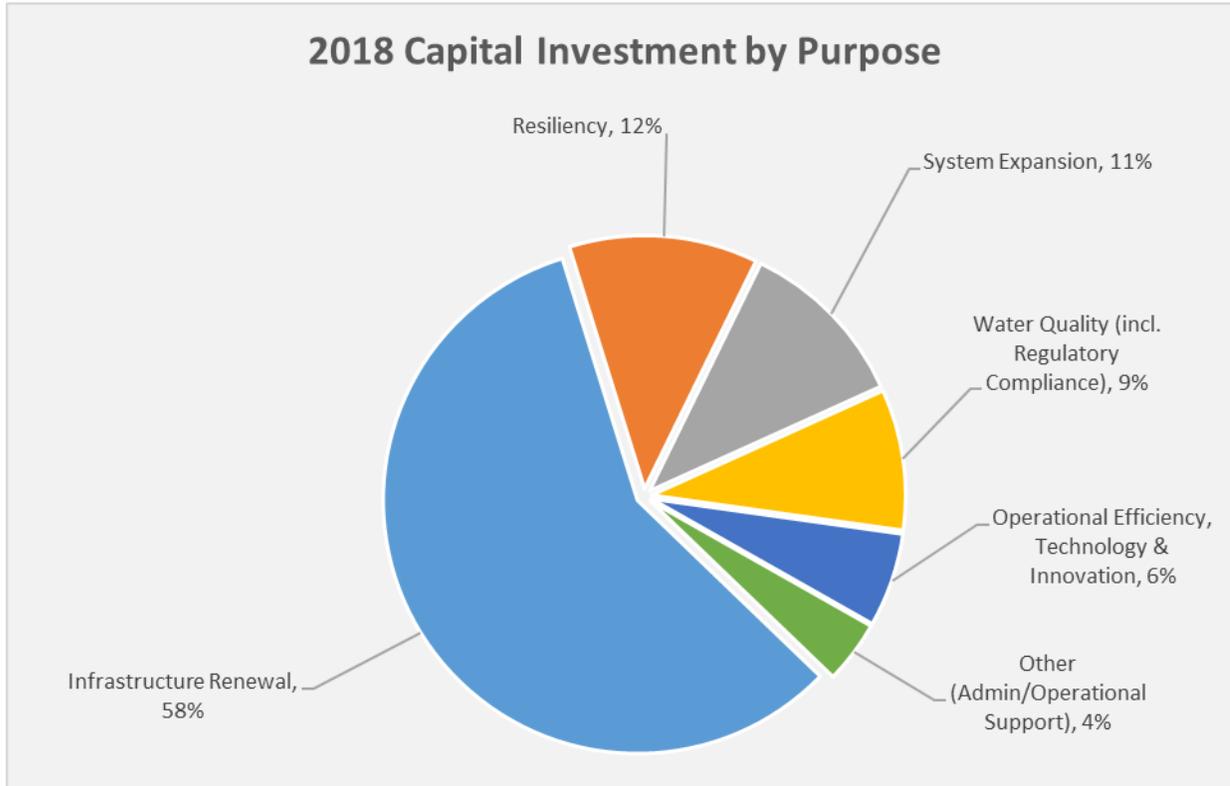
## ASSETS

as of December 31, 2018

- 51,000** miles of pipe
- 235,000** pieces of production equipment
- 81** surface water treatment plants
- 530** groundwater treatment plants
- 1,000** groundwater wells
- 1,300** water storage facilities
- 1,400** pumping stations
- 130** wastewater plants
- 80** dams



# 2018 Regulated Capital Investment



In 2018, we invested \$1.5 billion in capital investment in our Regulated Businesses, the majority for infrastructure improvements and replacements, particularly in our distribution systems.

# Water Filtration Plant



# South Lift Station



# North Lift Station



# North Lift Station Replacement



**Before**



**After**

# South Lift Station Replacement



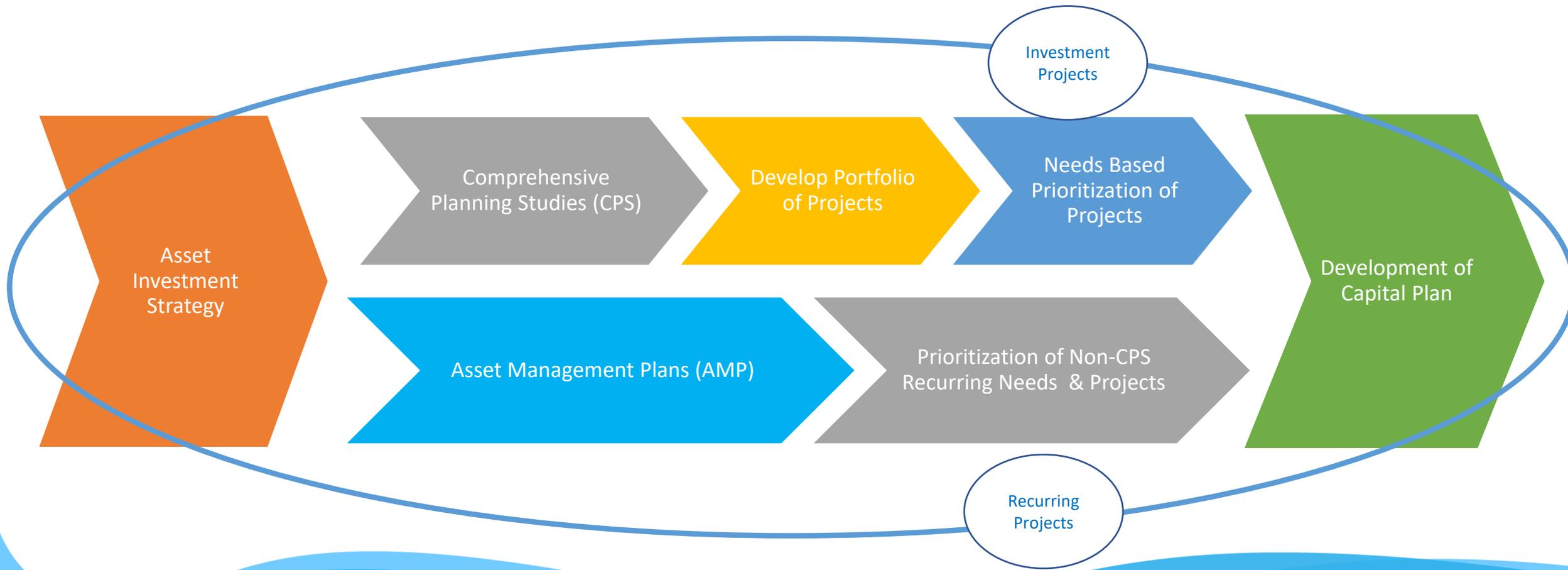
**Before**



**odor  
adsorption  
filter**

**After**

# AW's Capital Planning and



# Joplin, MO (May, 2011)



# Coastal NJ (Oct, 2012)



# Discussion



# Asset Management Best Practices and Water Quality Accountability



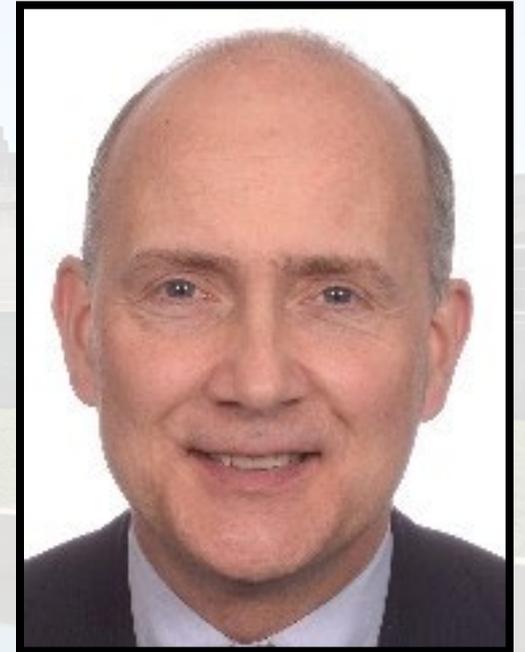
**Evan Kirk**  
UNC School of Government



**Justin Kauffman**  
Aqua America



**David Rubin**  
Aclara



**Jim Chelius**  
American Water



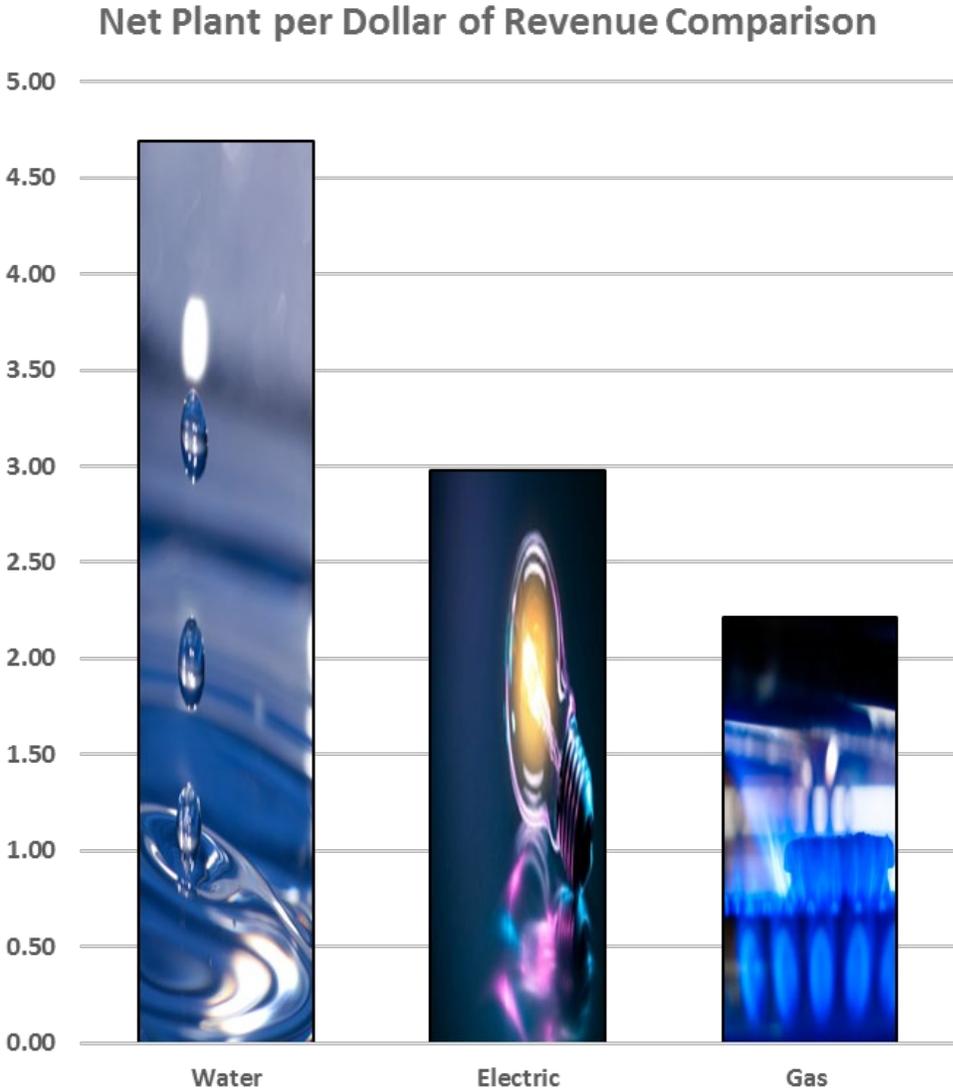
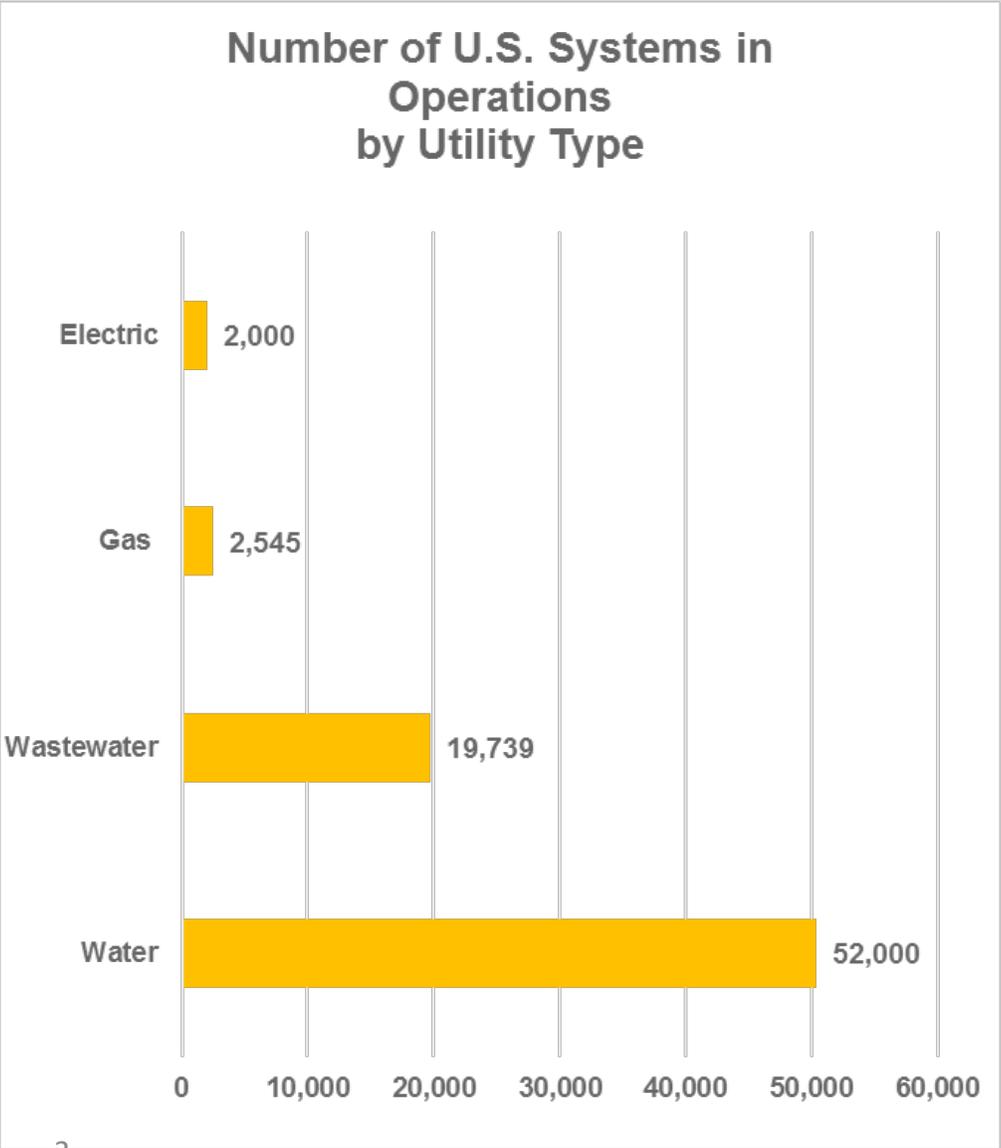
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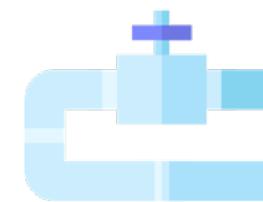
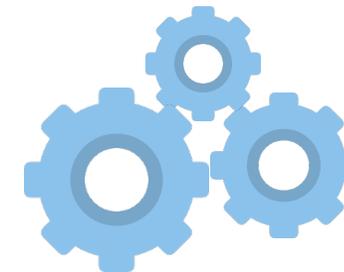
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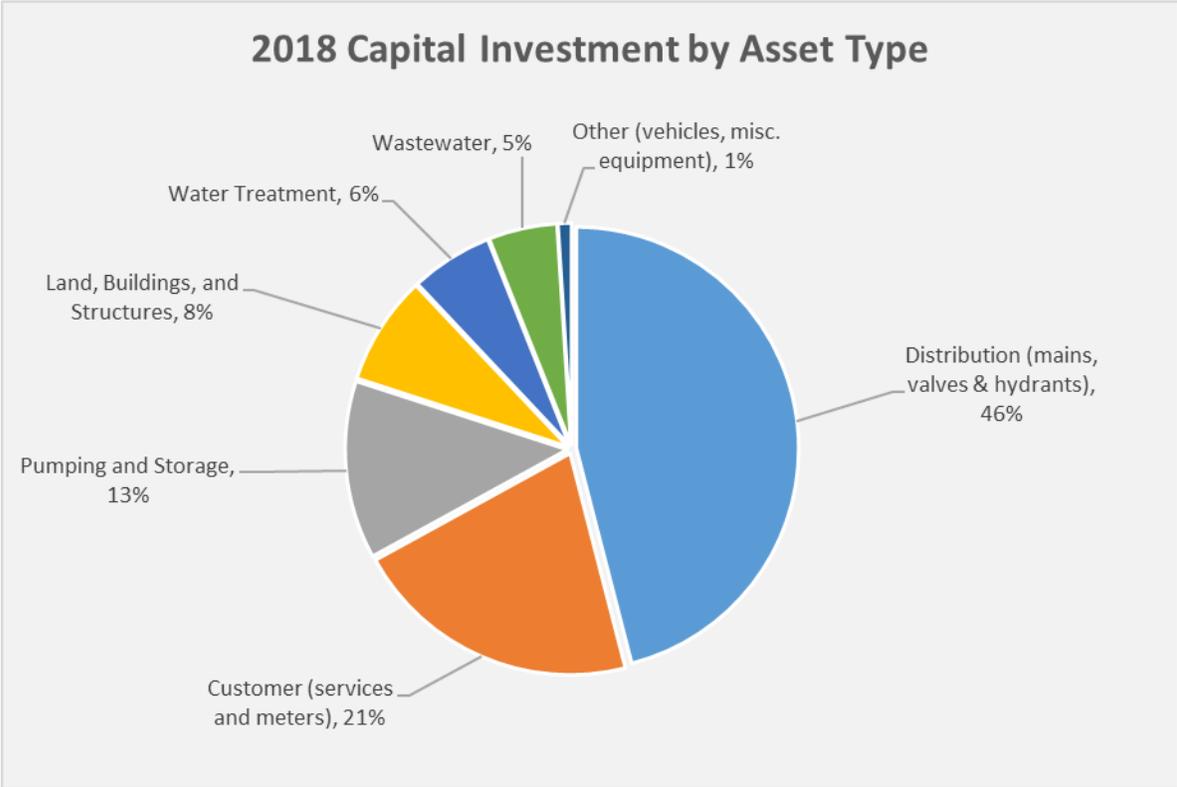
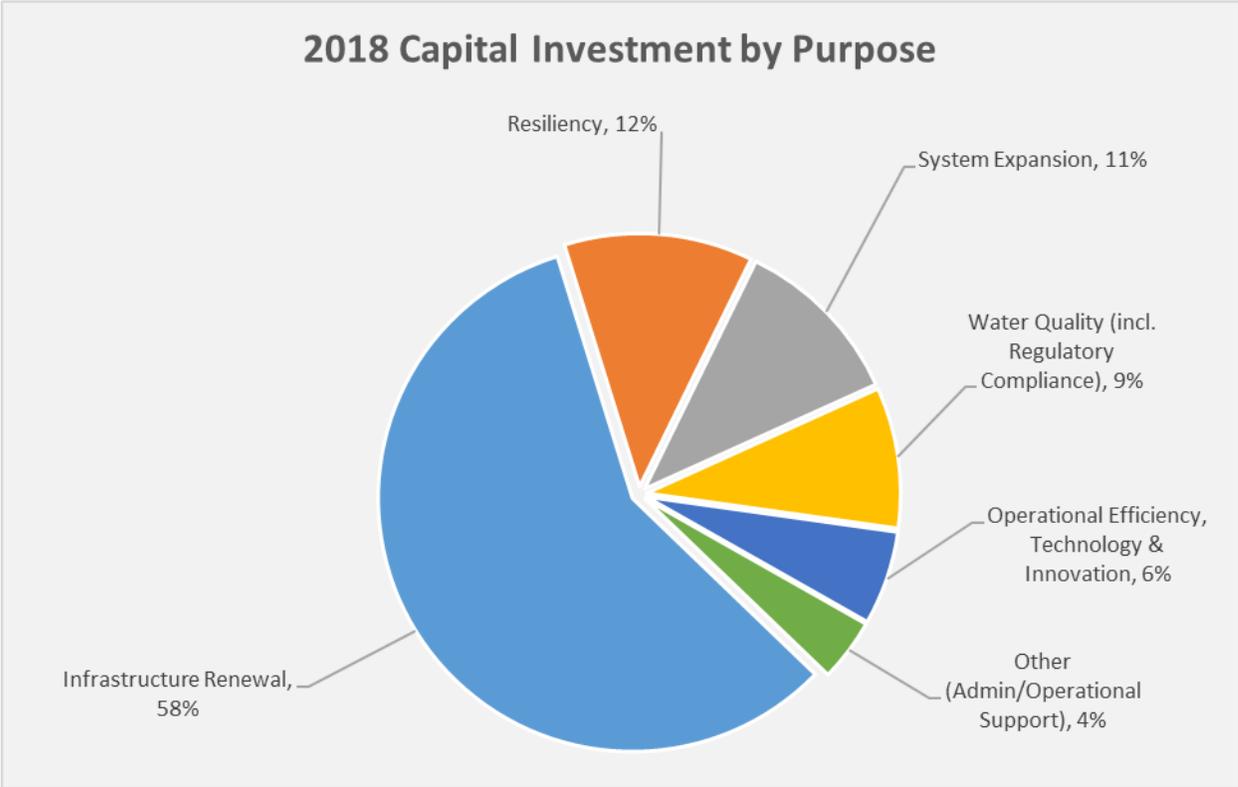
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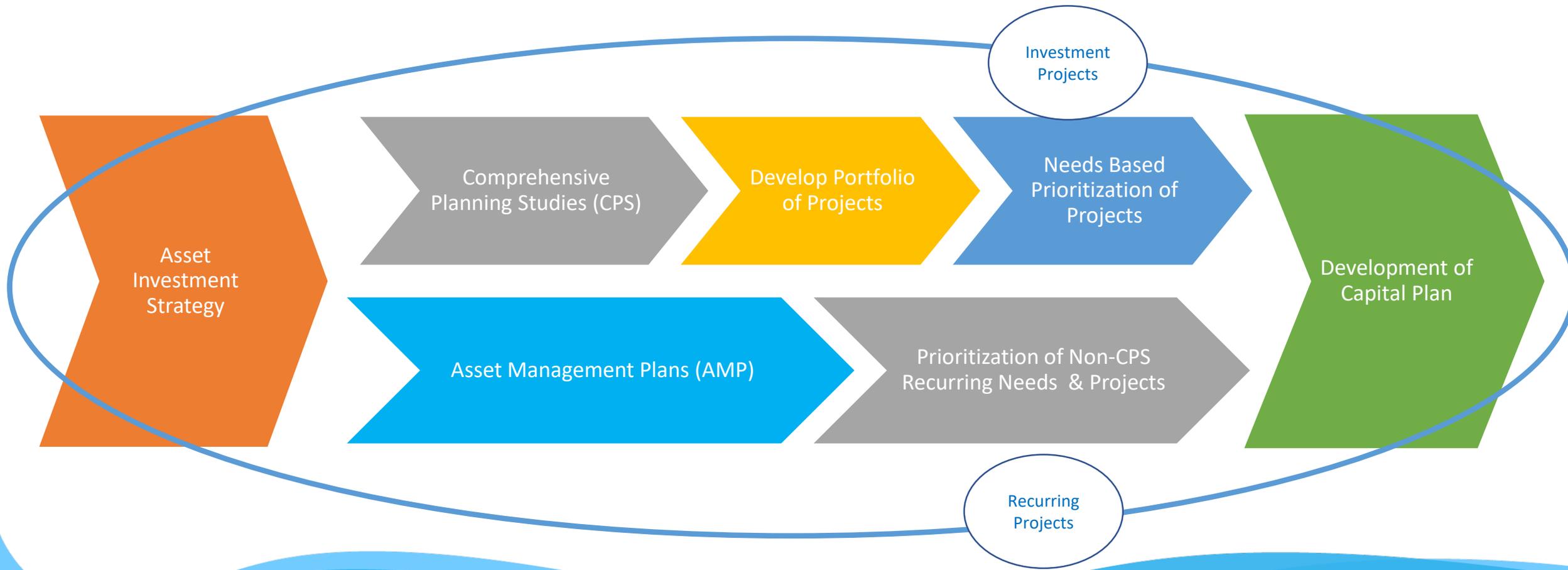
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