

# Infrastructure Investment



## VISION

Innovative leader enhancing the vitality of Ventura

**Shana Epstein – General Manager**  
**Joe McDermott – Principal Civil Engineer**  
**Susan Rungren – Water Resources Manager**

# Our History



**Delivering our drinking water from local sources since 1923**

**Cleaning our water for more than a century**

**Enhancing Ventura's economic vitality**

Trusted life source for generations



# Our Quality Standards

**Safety**

**Reliability**

**Professional**

**Stewardship**



Trusted life source for generations



# Shaping Our Future



Trusted life source for generations



# Investment in Infrastructure

- Leading edge of aging infrastructure renewal
- Preventative less costly than reactive
- Replacement with increase capacity & water pressure

# Water Reuse

- Only guaranteed water source
- Sustainable
- 9 million gallons daily
- Solutions and Approaches



# East End Water Quality



- Non Health based constituent
- State Department of Public Health requirement
- Solutions & Approaches
- Reuse may provide alternative approach

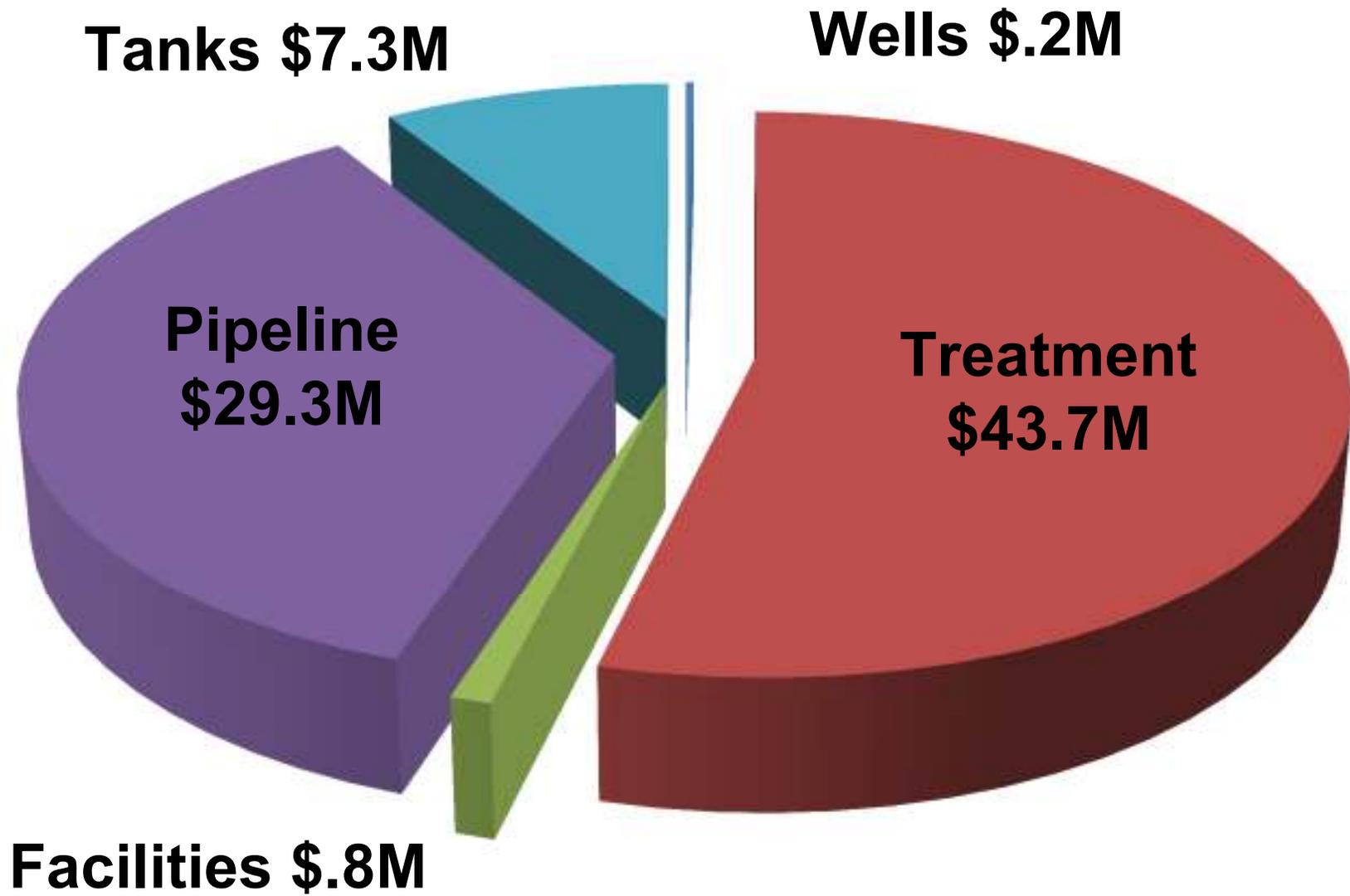
## Drinking Water Infrastructure

Booster Pump Stations	23
Storage Reservoirs	31
Valves	16,000
Meters	32,000
Fire Hydrants	3,700
Groundwater Wells	11
Lake Casitas Connections	2
Water Treatment Facilities	3
Pressure Zones	14



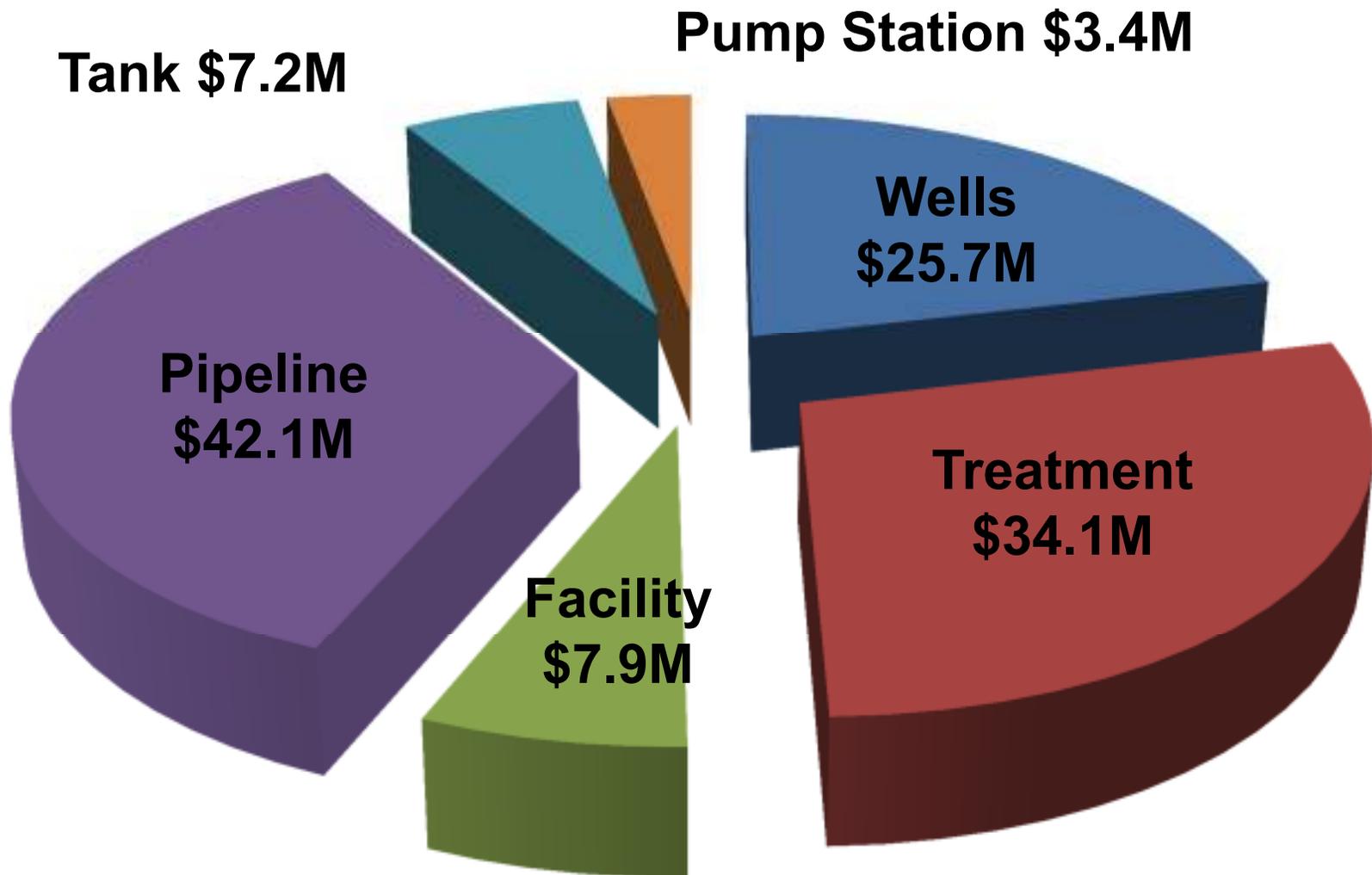
# Water Infrastructure 2002 thru 2011

## Actual \$81 Million

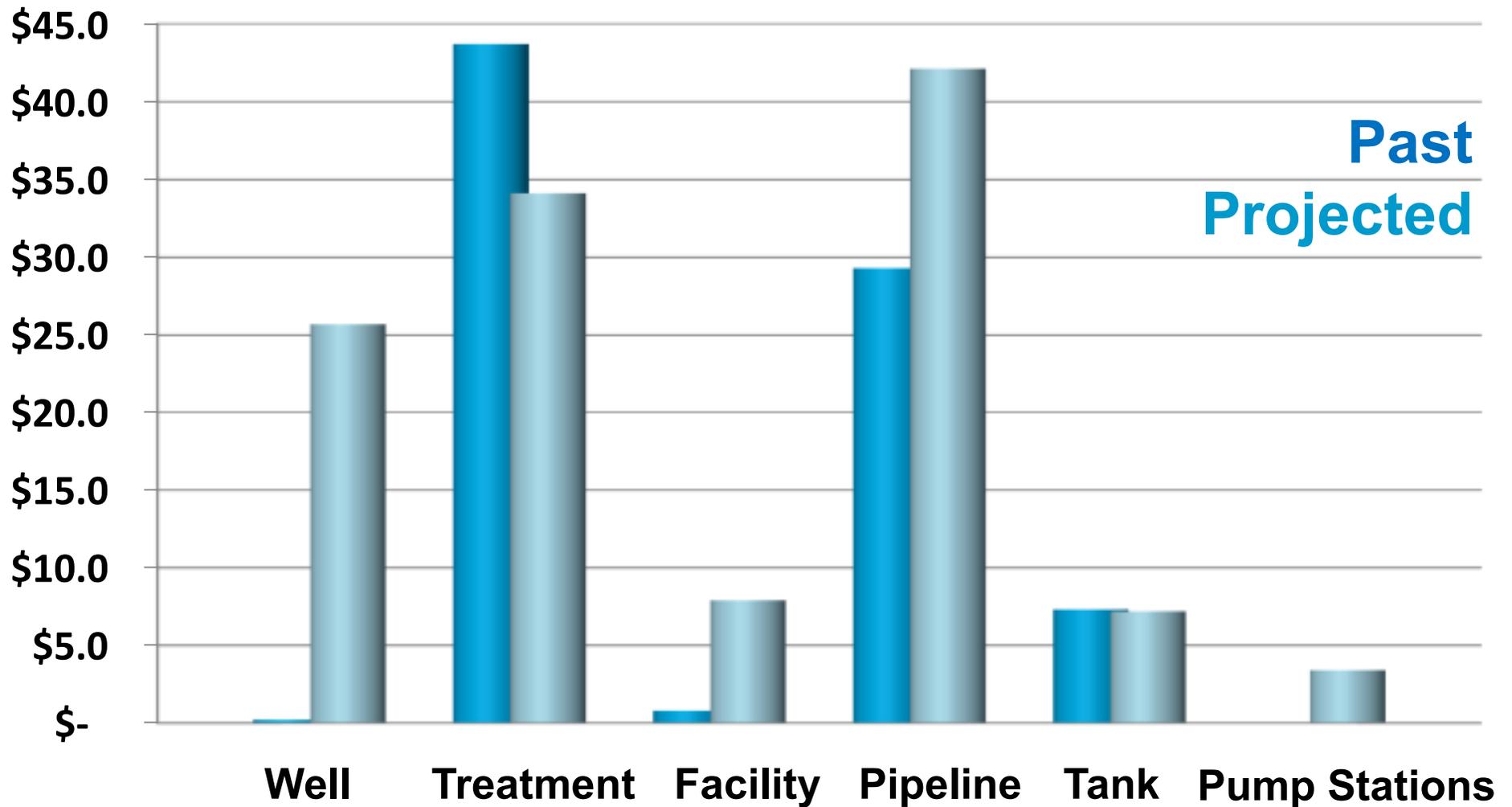


# Water Infrastructure Renewal 2012 thru 2022

## Projected \$120 Million



# Water Infrastructure Past and Projected Investment

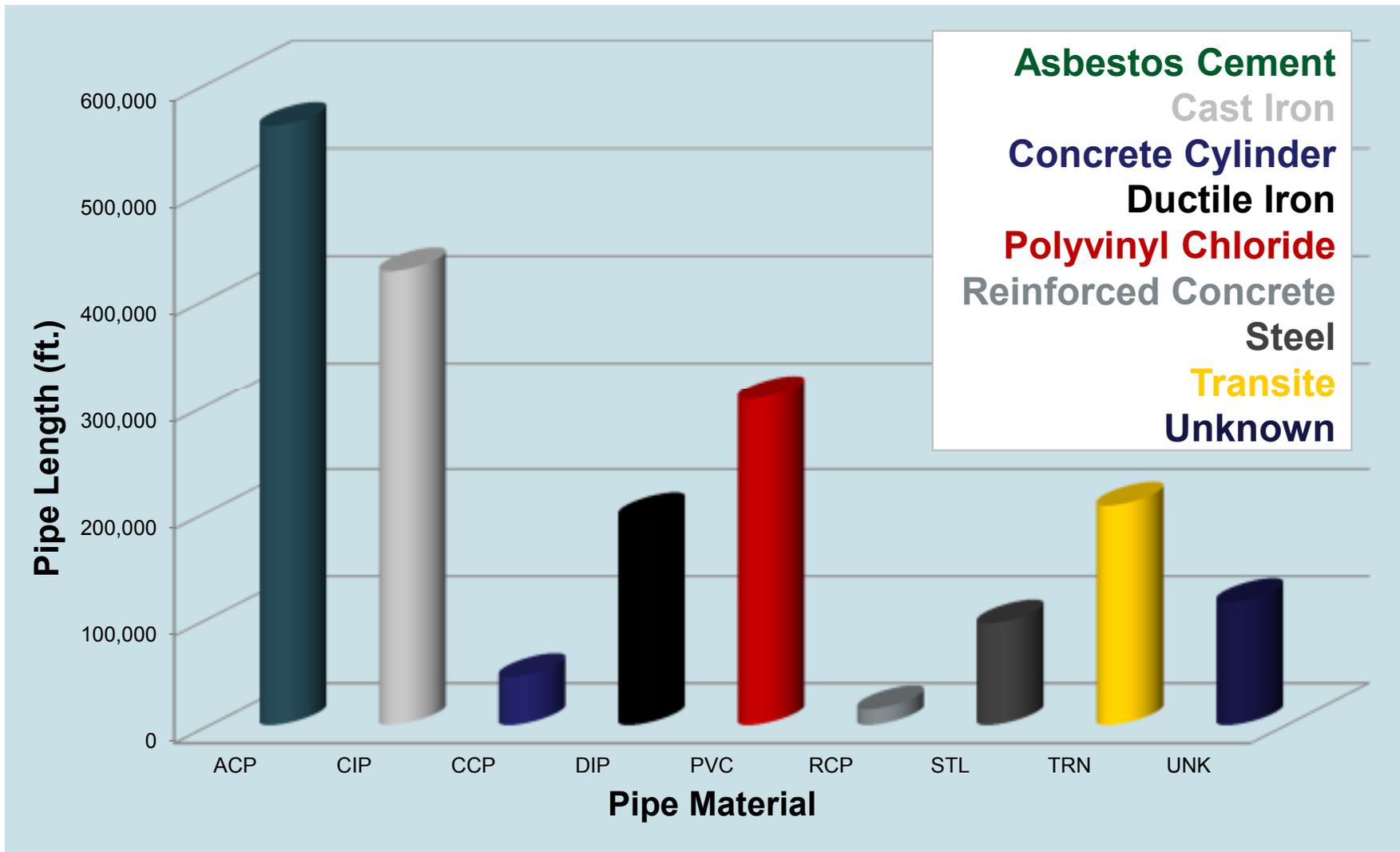


## Water Pipeline Replacement

<b>Total:</b>	<b>380 Miles</b>
<b>Average Age of Pipelines:</b>	<b>43 Years</b>
<b>Expected Pipeline Lifespan:</b>	<b>60-100 Years</b>
<b>Replaced 10 Year:</b>	<b>10 Miles (2.5%)</b>
<b>Planned Replacement 10 Year:</b>	<b>20 Miles (5%)</b>
<b>Pipeline System Replacement Cost &amp; Asset Value:</b>	<b>\$646M</b>



# Pipe Main Material



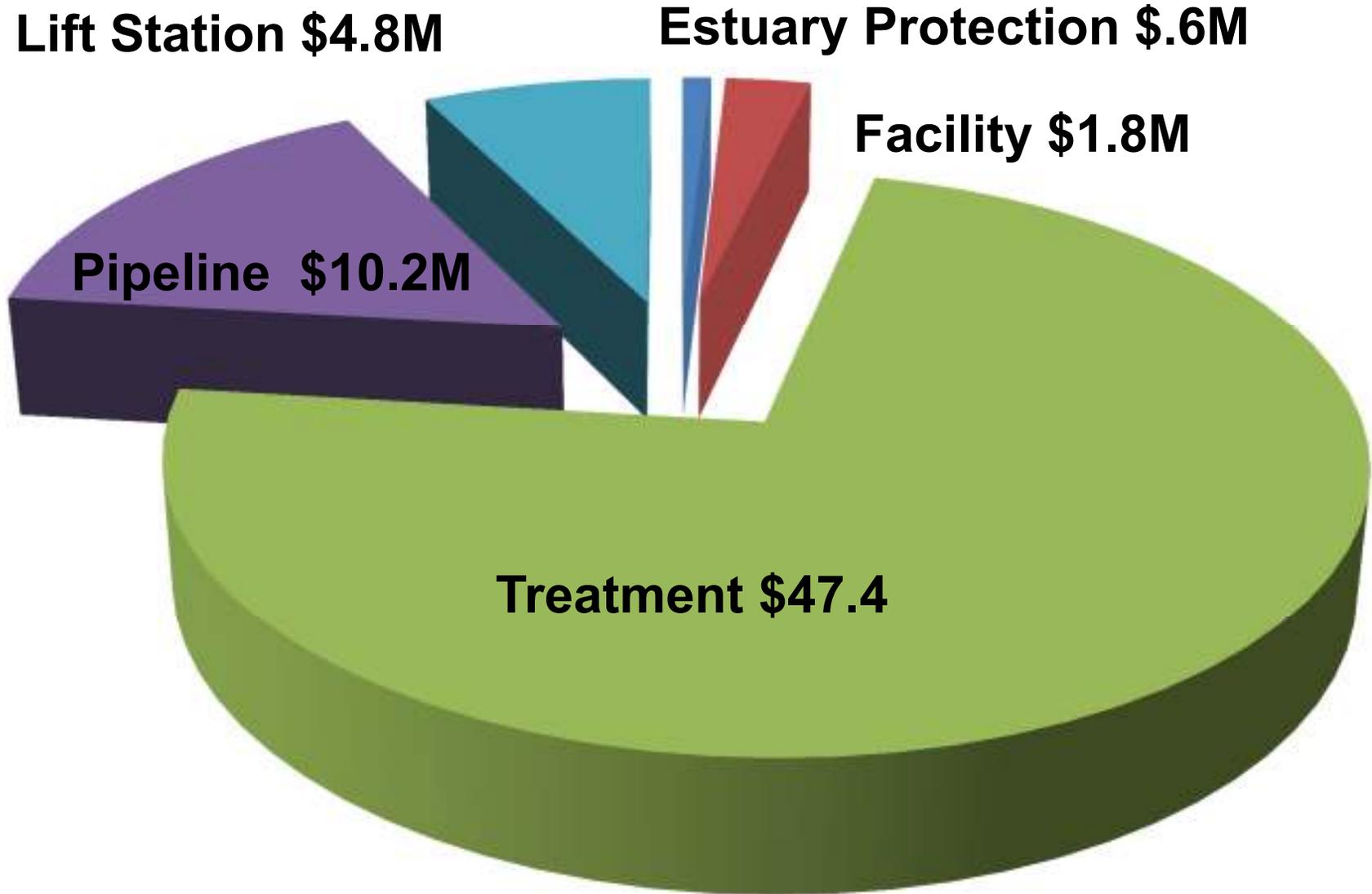
## Wastewater Infrastructure

Gravity Collection Mains	290 Miles
Force Collection Mains	10 Miles
Operating Lift Stations	11
Manholes	5,900
Water Reclamation Facility	1
Sewersheds	24

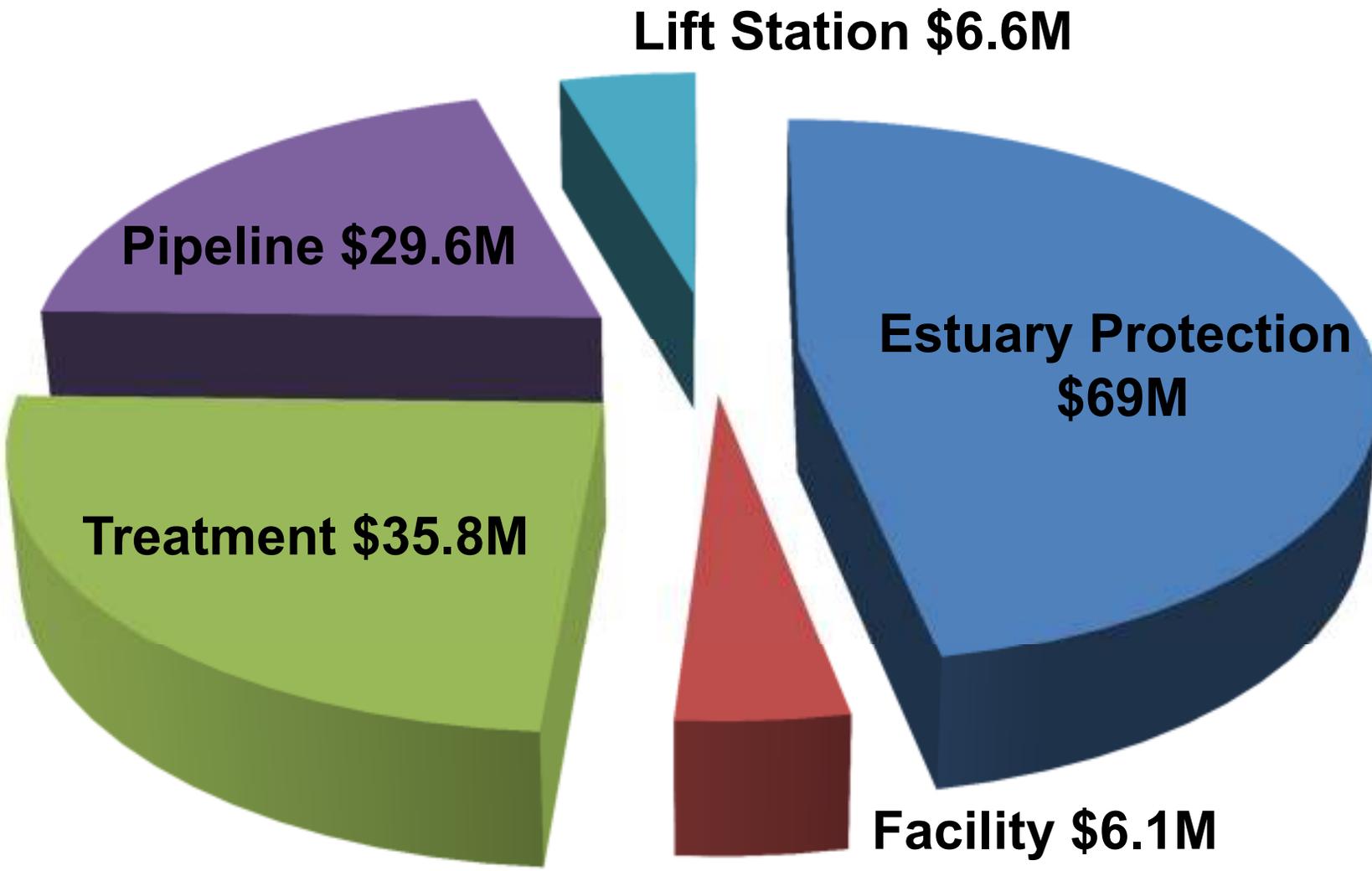


# Wastewater Infrastructure 2002 thru 2011

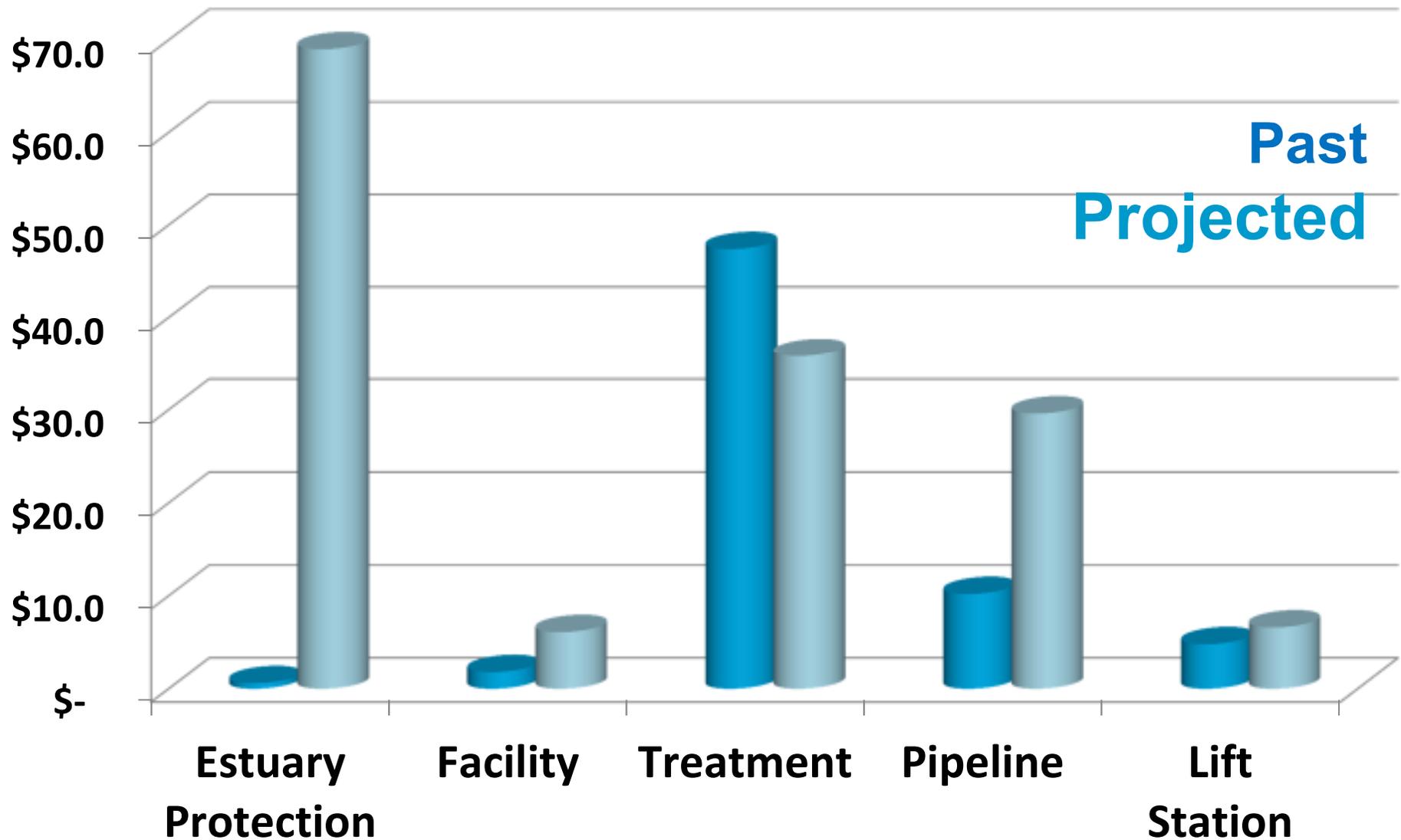
## Actual \$65 Million



# Wastewater Infrastructure Renewal 2012 thru 2022 Projected \$147 Million



# Wastewater Infrastructure Past and Projected Investment



## Collection Pipeline Replacement

<b>Total:</b>	<b>300 Miles</b>
<b>Average Age of Pipelines:</b>	<b>60 Years</b>
<b>Expected Pipeline Lifespan:</b>	<b>90-100 Years</b>
<b>Replaced 10 Year:</b>	<b>5 Miles (1.7%)</b>
<b>Planned Replacement 10 Year:</b>	<b>17 Miles (5.7%)</b>
<b>Pipeline System Replacement Cost &amp; Asset Value:</b>	<b>\$600M</b>



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# Summary

Infrastructure  
Reinvestment

Reuse

East End Water  
Quality