

# 2021 - 2022 Capital Improvement Construction Project Update

Board of Public Utilities

January 20, 2022

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OUR FUTURE IN EVERY DRÖP

# Discussion Items

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- Construction Projects Anticipated in 2021
  - Projects Completed or in Construction
- Construction Projects Anticipated in 2022
- Current and Future CIP Funding
- Engineering Bandwidth Gaps

# Projects Anticipated in 2021

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34 projects were anticipated to be awarded in 2021

<b>Awarded / Looking to award:</b>			
	<b>by end of 2020</b>	<b>in 2021</b>	<b>in 2022</b>
<b>Projects</b>	17	5	12

# Projects Anticipated in 2021

Total estimated construction costs: \$116 M\*

Awarded / Looking to award:			
	by end of 2020	in 2021	in 2022
<b>Local</b>	\$31.3 M 11 projects	\$3.1 M 2 projects	\$24.9 M 9 projects
<b>Subregional</b>	\$4.5 M 6 projects	\$1.3 M 3 projects	\$50.9 M* 3 projects
<b>Totals</b>	<b>\$35.8 M</b> 17 projects	<b>\$4.4 M</b> 5 projects	<b>\$75.8 M*</b> 12 projects

\* Construction costs include \$49.8M for the bond-funded UV disinfection project.

# Projects Completed in 2021

Llano Trunk (W 3rd St.)  
and Glenbrook Siphon  
Lining



R7 Road Access  
Stabilization

# Projects Completed in 2021

Northerly Slope  
Protection Delta  
Pond



Geysers Pipeline  
Expansion Joints  
Replacement

# Projects In Construction

A Place to Play  
Emergency Well



Skyfarm A and Hansford  
Court Lift Station  
Reconstruction

# Projects In Construction

North Trunk Sewer Main and  
Chanate Ave. Water Main



LTP Engine Radiators  
Replacement

# Upcoming Construction 2022

## Cobblestone Drive Water Main

- Fire Flow Improvements
- Zone R2-R4 Connection



Backup Generators at  
18 Water and Wastewater  
Facilities  
(Federally funded)

# Upcoming Construction 2022

## West College Storage Facility Pumping Improvements



# Upcoming Construction 2022

Laguna Treatment Plant UV  
Disinfection Improvements  
(Bond-funded)



# Questions?

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- Construction Projects Anticipated in 2021
  - Projects Completed or in Construction
- Construction Projects Anticipated in 2022
  
- Current and Future CIP Funding
- Engineering Bandwidth Gaps

# FY 2022-23 CIP Projections

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<b>Enterprise Fund</b>	<b>Allocations</b>	<b>CIP Need</b>
<b>Local Sewer</b>	\$13M	\$41M
<b>Local Water</b>	\$14M	\$33M
<b>Regional</b>	\$9M	\$25M
<b><i>TOTAL</i></b>	<b><i>\$36M</i></b>	<b><i>\$99M</i></b>

# FY 2022-23 CIP Projections

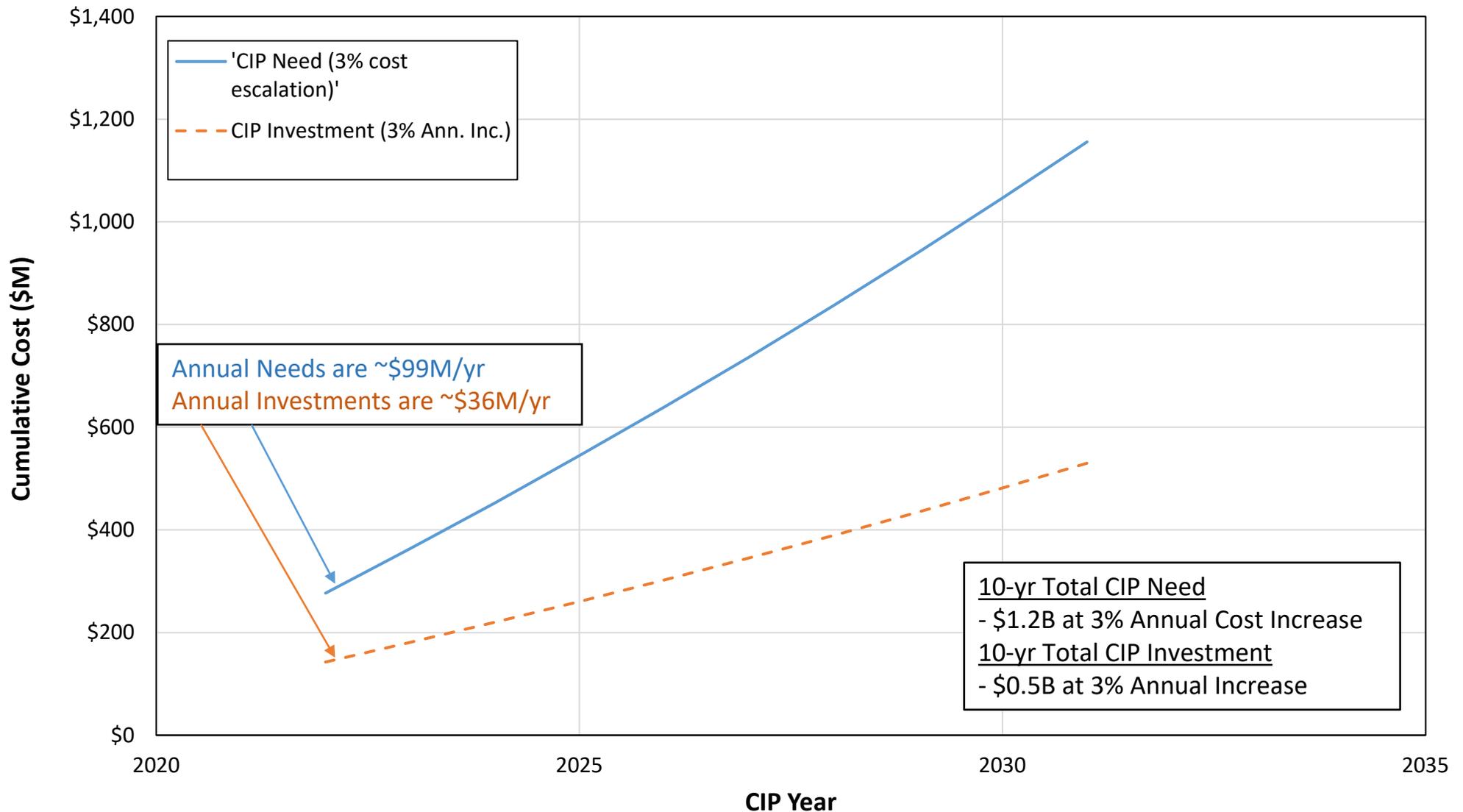
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<b>Enterprise Fund</b>	<b>Allocations</b>	<b>CIP Need</b>	<b>Shortfall</b>
<b>Local Sewer</b>	\$13M	\$41M	<b>\$28M</b>
<b>Local Water</b>	\$14M	\$33M	<b>\$19M</b>
<b>Regional</b>	\$9M	\$25M	<b>\$16M</b>
<b><i>TOTAL</i></b>	<b><i>\$36M</i></b>	<b><i>\$99M</i></b>	<b><i>\$63M</i></b>

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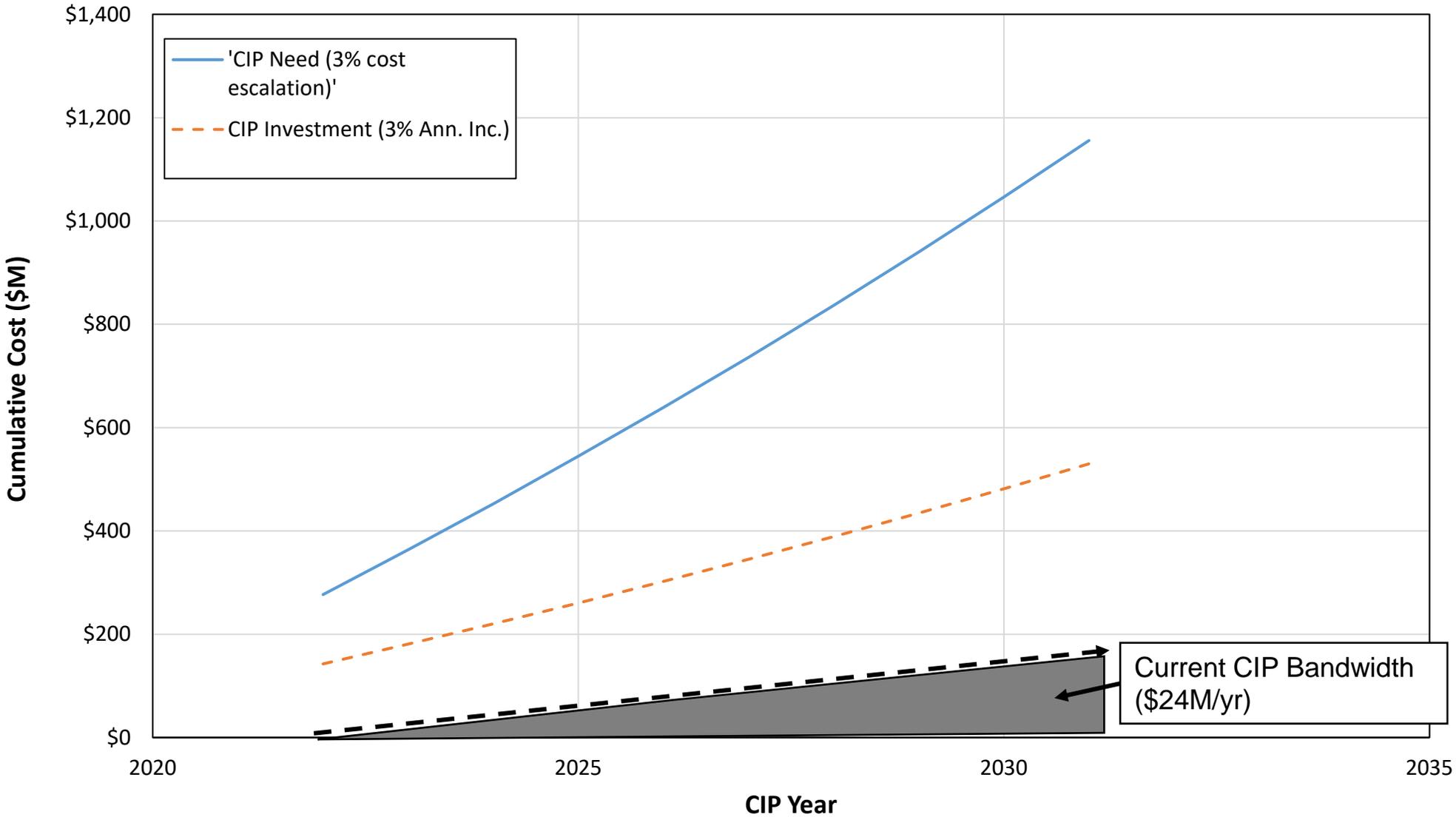
# Current and Future Needs:

Projected CIP Investment vs. Need - Sewer, Water, and Regional Systems



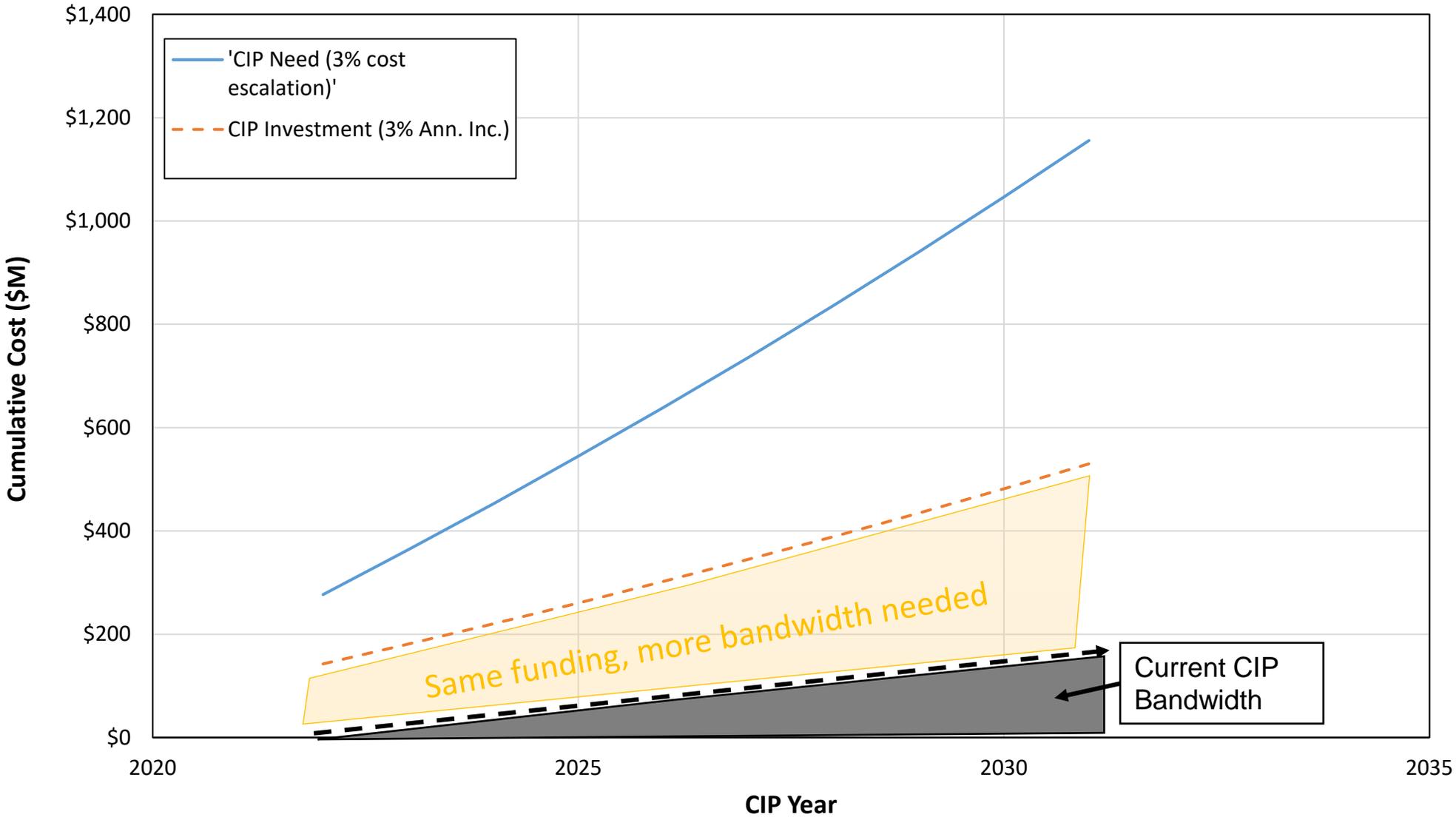
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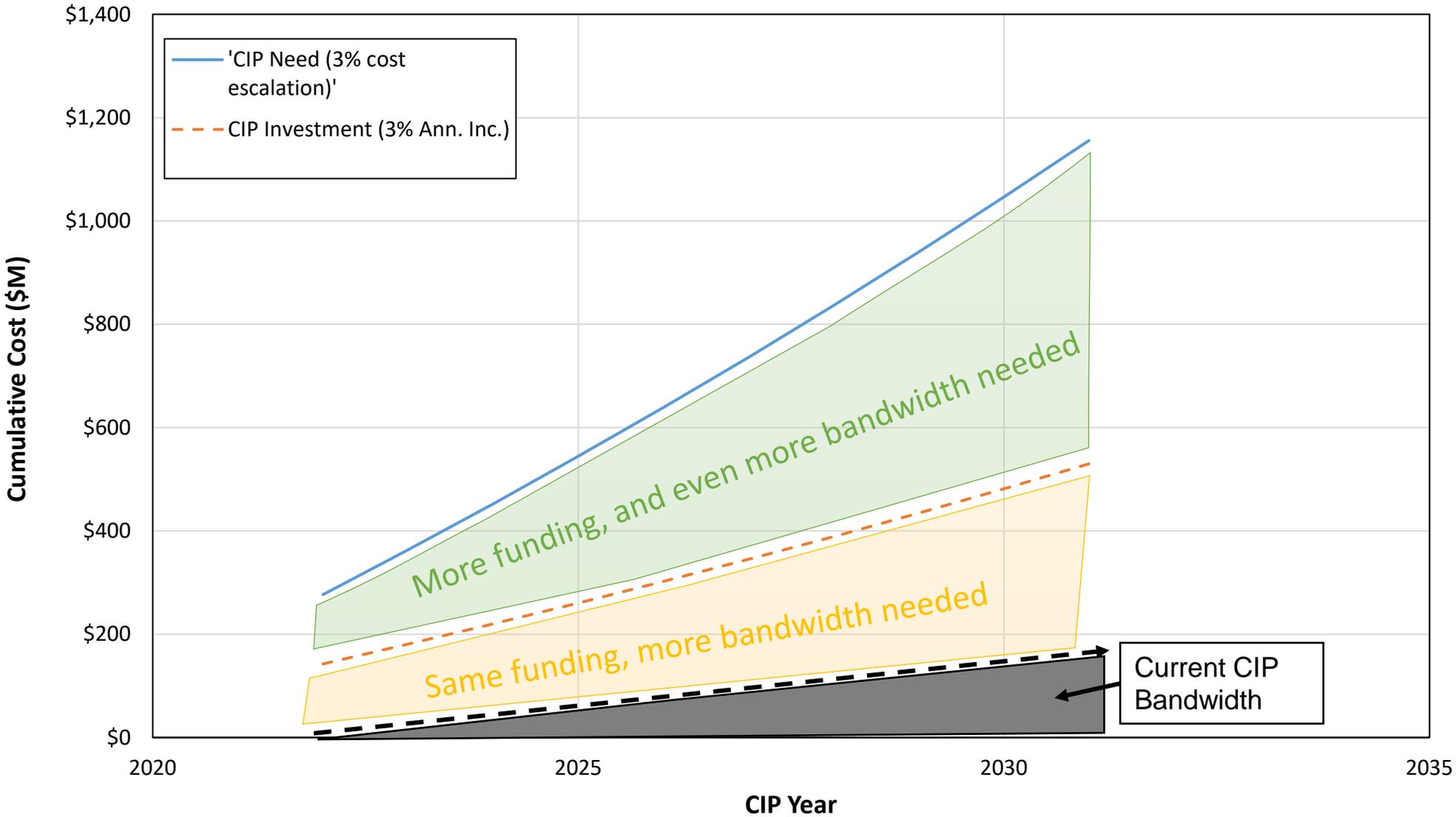
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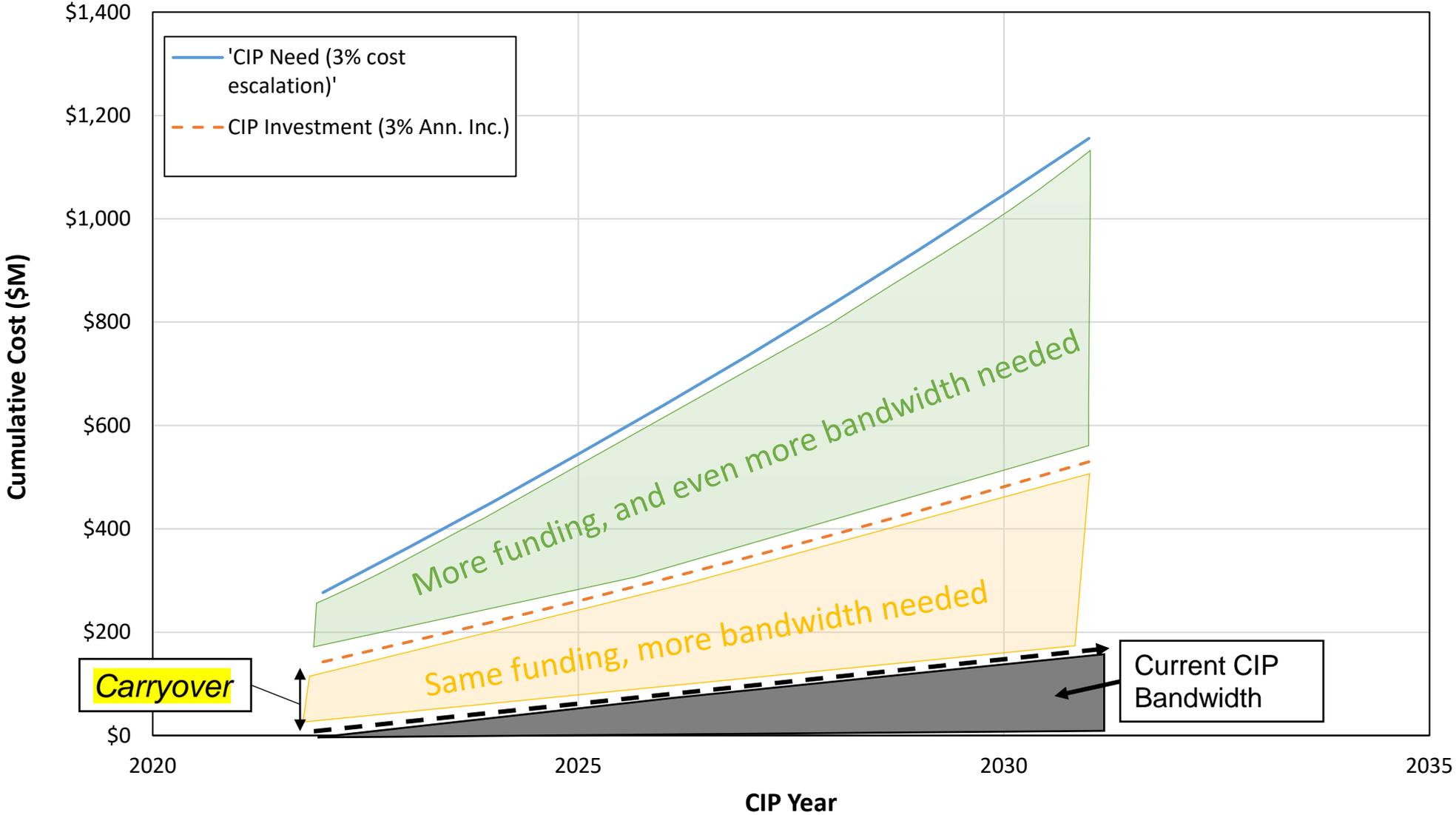
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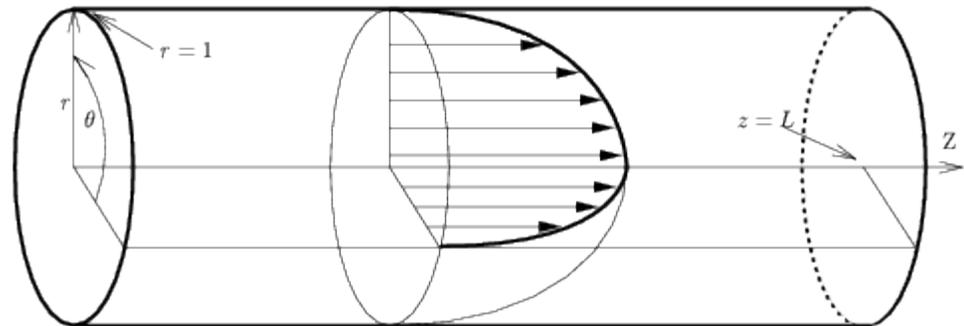


# CIP Delivery Gap

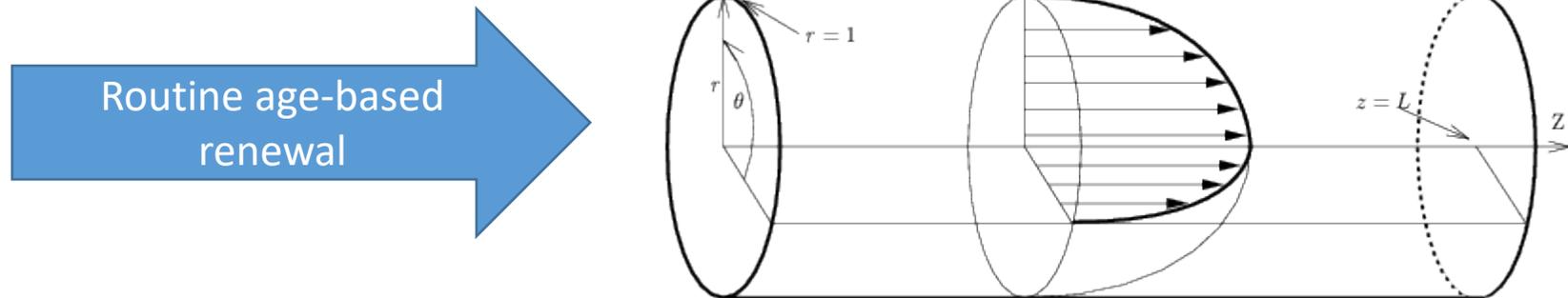
- Delivery has been falling behind relative to past years' CIP Plans
- Our CIP Plan appropriations (and proposed rate increases) are not sufficient to sustain our infrastructure long-term
- Grant funding pursuits, disaster recovery, and other “extra” projects are needed, but **cut into our baseline delivery capacity**

# Capital Project “Pipeline”

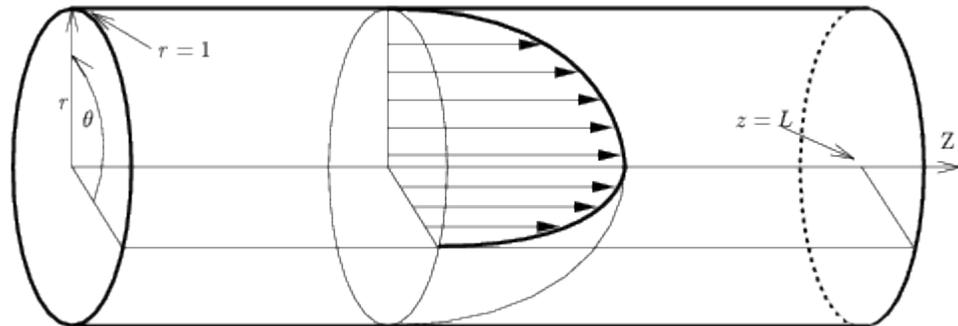
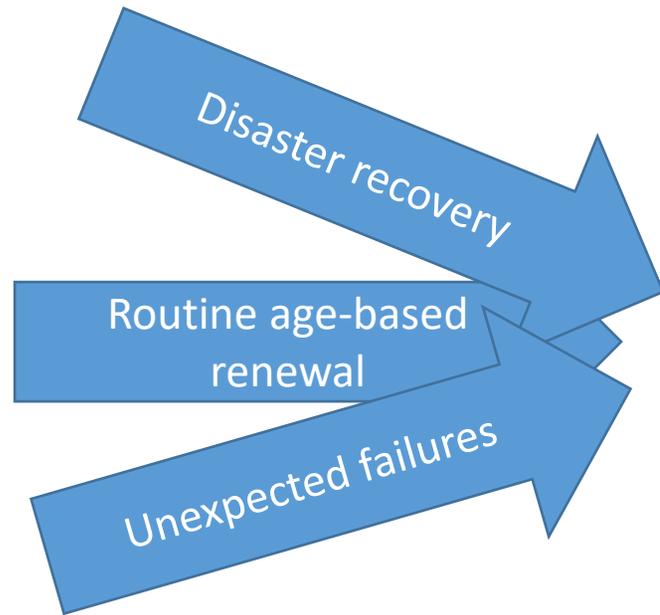
- Concept
- Scoping
- Pre-Design
- Design
- Construction
- Warranty



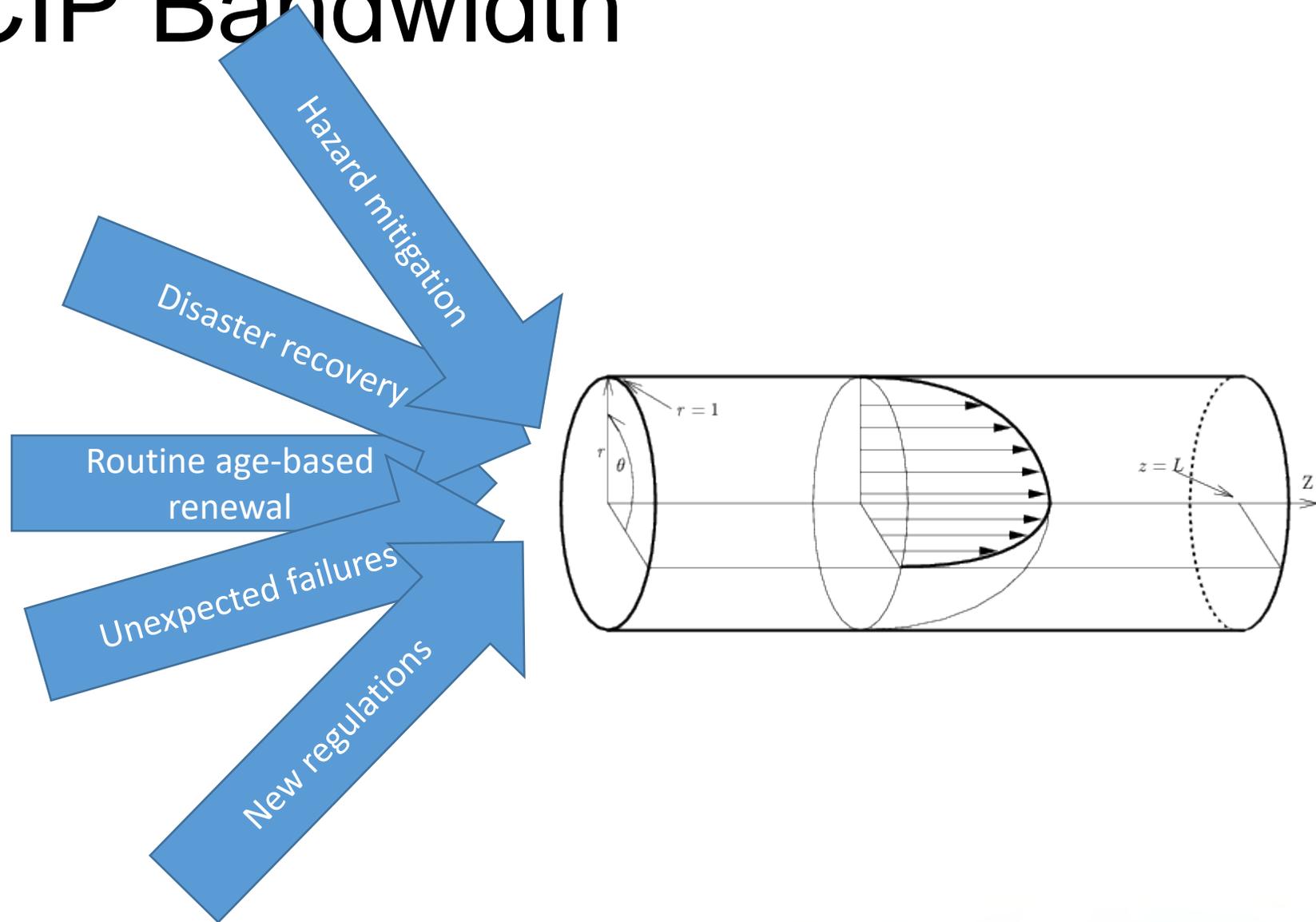
# CIP Bandwidth



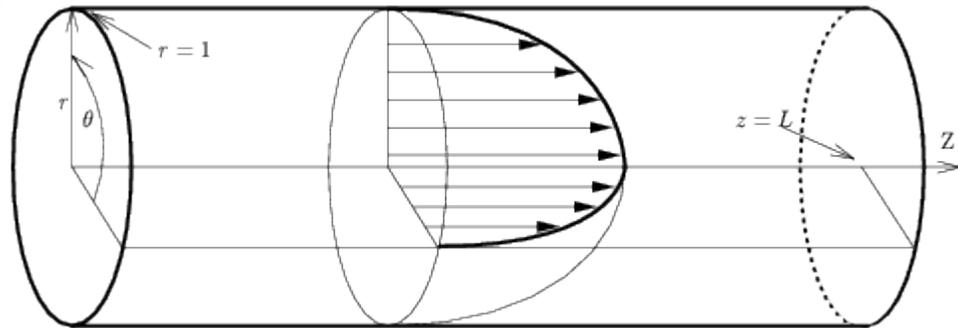
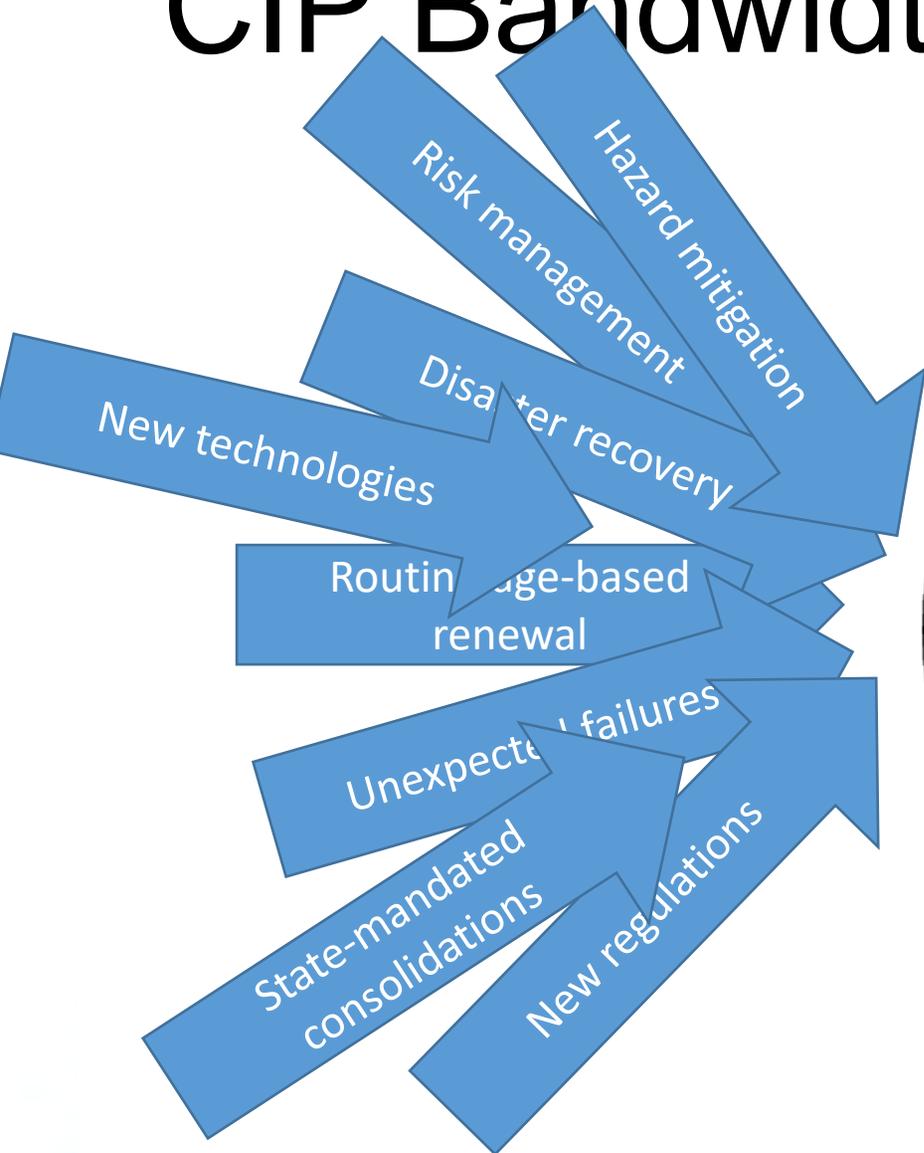
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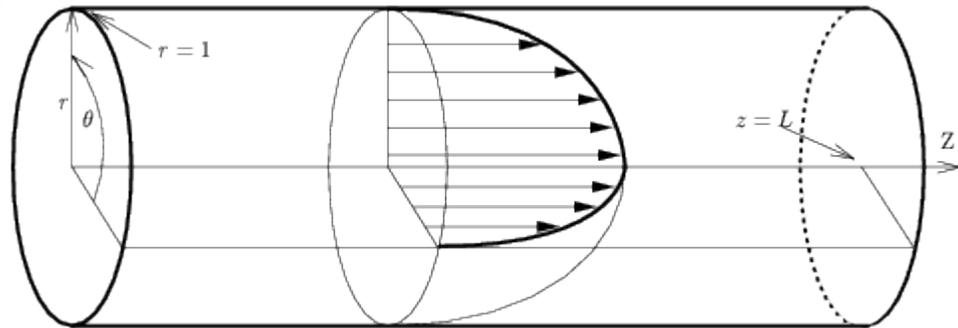
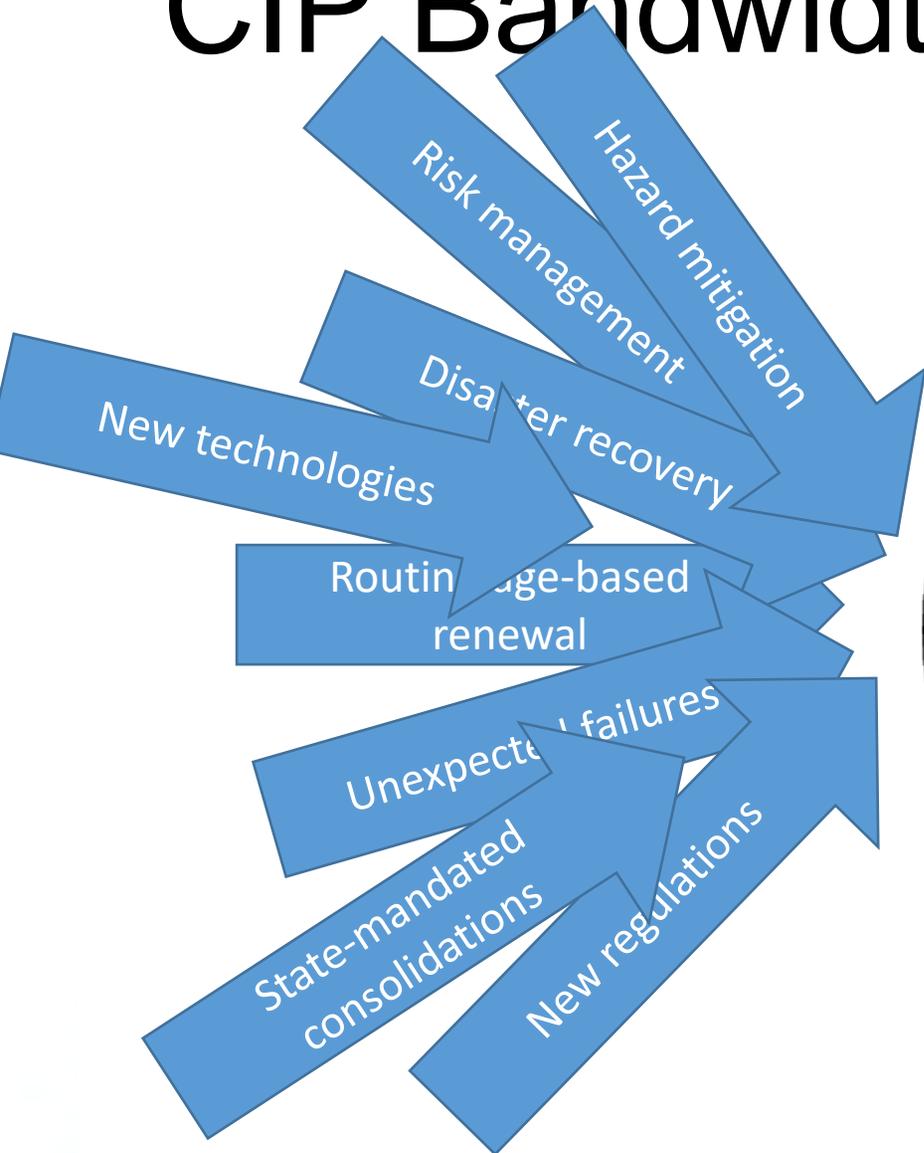
# CIP Bandwidth



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# CIP Bandwidth



*We need a bigger pipeline...*

# Increasing Delivery Bandwidth

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## Short-Term

- Develop design-build capabilities
- Consultant delivery team
- Staffing efforts:
  - New Deputy Director CIP Mike Prinz
  - Engineering vacancies recruitment

## Long-Term

- Identify any bottlenecks in CIP delivery pipeline
- Evaluate various alternative strategies to improve CIP bandwidth

# Questions?

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