

***Review of Proposals and Award of Contract
with Option to Renew:
Engineering Services for Inflow and Infiltration
Reduction Program (2023-2025)***

Commission Meeting
January 12, 2023

Agenda

1. Brief overview of progress
2. Next steps
3. Contract award

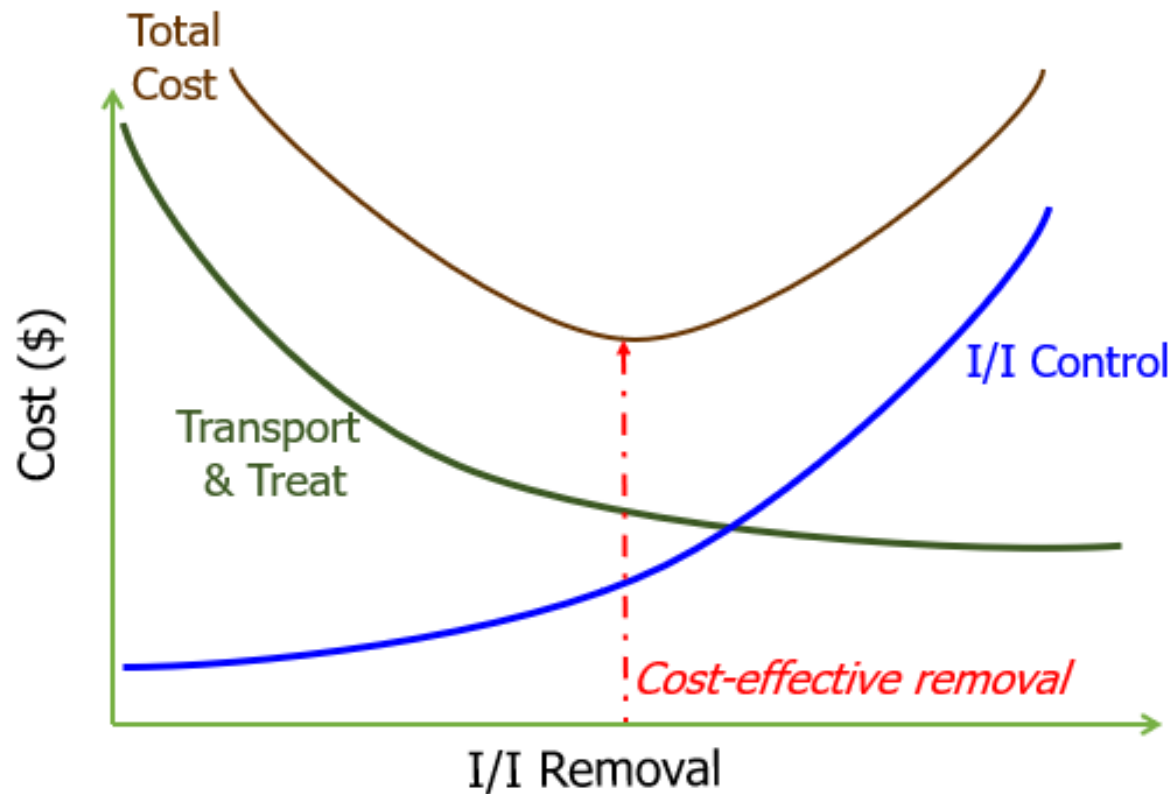


What have we done since plan was accepted?

IMPLEMENTATION	2021	2022
Model Update		
Flow Monitoring Plan		
Regional I/I Reduction Program Guidance		
Capacity and Cost-Effectiveness Evaluation		
Sewer Use Ordinance Change		
Owner Communities Outreach		
Develop Technical Guidance		
Education Materials		

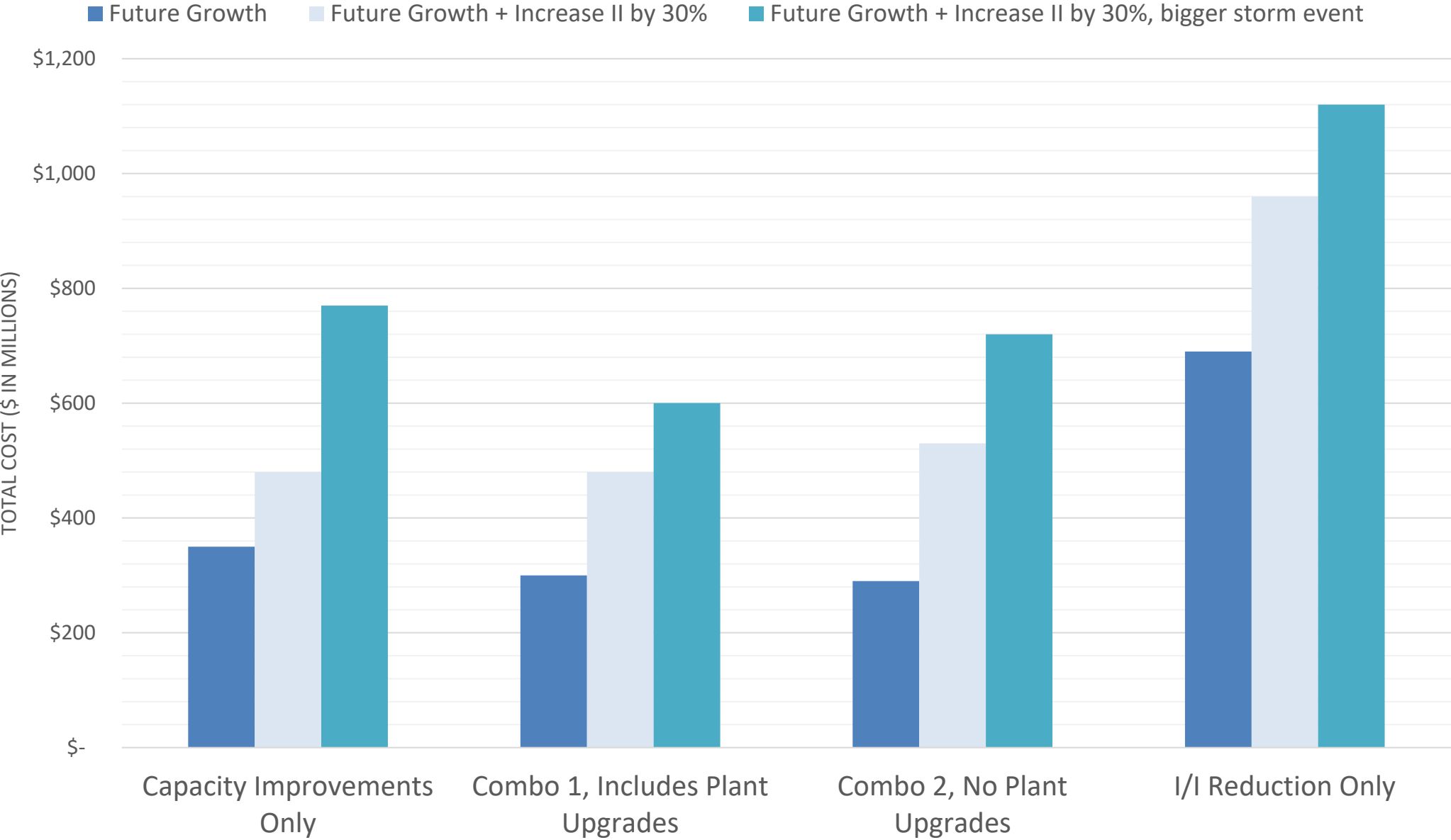
Capacity and Cost-Effectiveness Evaluation

Total Cost Analysis for Given Level of Service

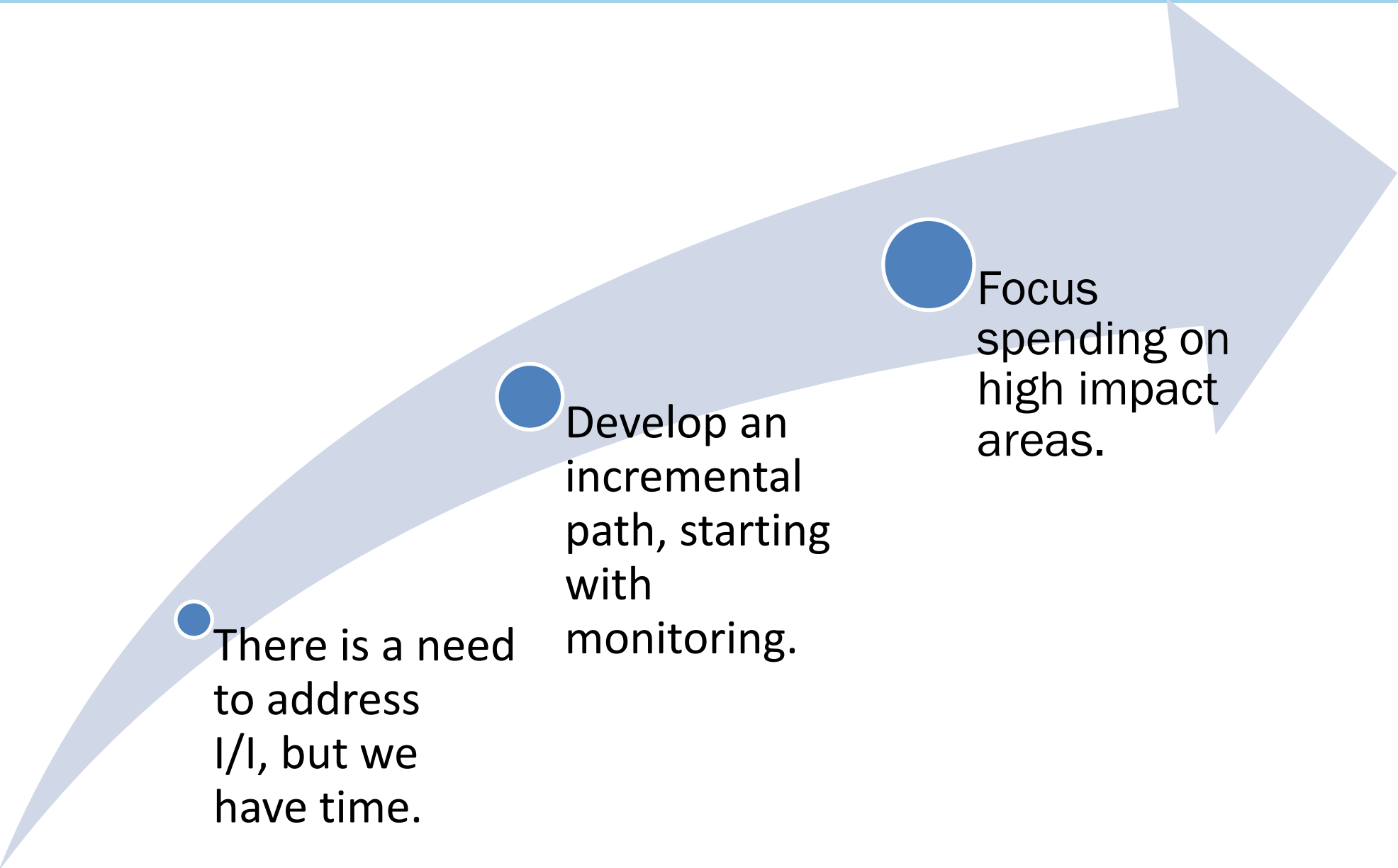


- Build Capacity Solutions
 - Conveyance
 - Storage
 - Treatment
- I/I Reduction
 - What does it cost?
 - What are the expected results?

Cost Comparison of Solutions under Future Growth Scenarios



Takeaways from the Cost-Effectiveness Evaluation



There is a need to address I/I, but we have time.

Develop an incremental path, starting with monitoring.

Focus spending on high impact areas.

Inflow and Infiltration Reduction Program Implementation Plan

IMPLEMENTATION COSTS	2021	2022	2023	2024	2025	2026
Model Update						
Flow Monitoring Plan						
Regional I/I Reduction Program Guidance						
Capacity and Cost-Effectiveness Evaluation						
Sewer Use Ordinance Change						
Owner Communities Outreach						
Develop Technical Guidance						
Education Materials						
ANNUAL PROGRAM COSTS	2021	2022	2023	2024	2025	2026
District Program Management						
Monitoring Program Implementation						
Technical and Education Support						
Analysis of Annual Flow Monitoring Data						
Compliance Communication						
TOTAL PROGRAM COSTS BY YEAR:	\$100,000	\$175,000	\$250,000	\$400,000	\$450,000	\$500,000

Advertising and Proposal Results

- Advertised in November
- 8 consulting firms attended the pre-proposal meeting
- 3 proposals received

Consulting Firm / Team
Brown and Caldwell / RJN Group, Inc.
HDR Engineering, Inc. (subconsultant KL Engineering)
Xylem / LimnoTech / GoAigua

- Committee selection: HDR Engineering Inc.

Resolution 2023-01-12-R14

Requested Action:

The Commission is requested to adopt resolution 2023-01-12-R14 awarding engineering services to HDR for one year at a cost of \$210,000, with the option to renew for an additional two years.

Next Steps:

If performance is adequate, the scope of services for 2024 will be reviewed in November 2023 and brought back to the Commission to approve the 2024 contract authorization.



Questions?

Madison Metropolitan
Sewerage District

Visitor

Madison Metropolitan
Sewerage District

Madison Metropolitan Sewerage District

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