

# MAKING THE RIGHT CHOICES FOR YOUR UTILITY

**How EPA's Water Infrastructure Planning Tool Can  
Help Utilities Engage Community & Make Cost-  
Effective Multi-Benefit Investments**

# Today's Speakers

---



**Leslie Corcelli**  
Physical Scientist  
*US EPA*



**Andy Kricun**  
former Executive Director  
*Camden County Municipal  
Utility Authority*



**Sarah Shadid**  
Senior Associate  
*Ross Strategic*

# Water Utilities are Anchor Institutions

---

Every day in America, water and wastewater utilities are on the front lines...



Safeguarding public health



Sustaining critical infrastructure investments

Providing clean and safe water for hundreds of millions



Protecting and enhancing the environment



# Water Utilities & Large Capital Investments

---



increase  
levels of  
treatment

major facility  
upgrades

replace aging  
infrastructure

regulatory  
requirements

transformation  
into a *water  
resource  
recovery  
facility*

Need to keep  
rates  
affordable for  
customers

# Investments last for decades

---

Costly, Long Term Financial Commitment

Customer Funded

Service lives 50+ Years

*Today's capital project decisions are the foundation for decades of commitment to funding both the operating and capital costs over decades of service.*

# Investments last for decades – *and it's more than cost*

---

*Investments can provide economic, environmental, and social benefits to the community*

Public Health

Economic Development

Regulatory Performance

Public Understanding

System Resiliency

Workforce Enhancement

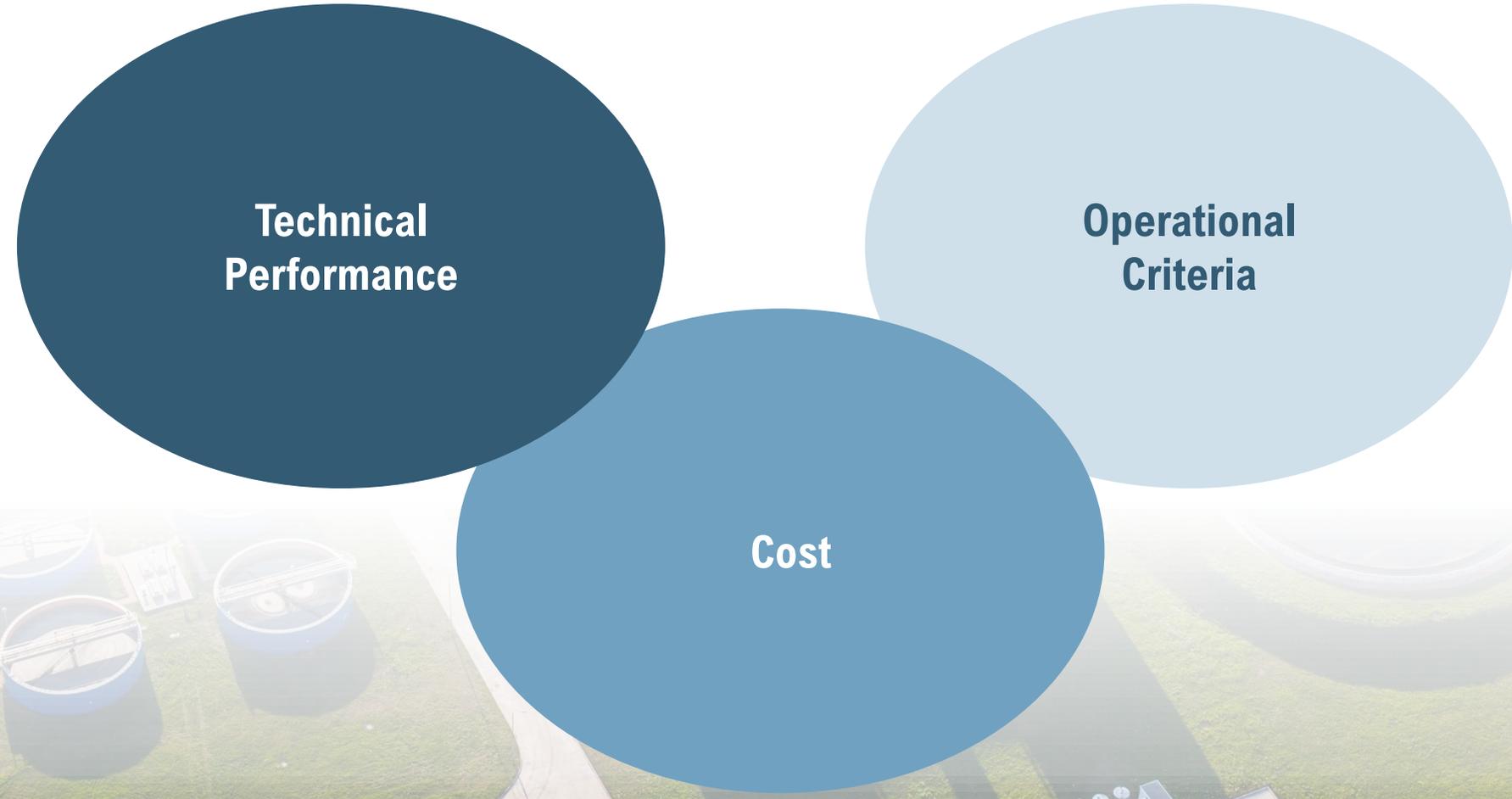
Water Resource  
Reliability

Community Livability



# Conventional alternatives analysis

---



**Technical  
Performance**

**Operational  
Criteria**

**Cost**

# Conventional alternatives analysis *may fall short:*

---

Technical  
Performance

Cost

Operational  
Criteria

Proactively  
engaging the  
community

Addressing and  
quantifying triple  
bottom line

Selecting cost-  
effective option  
amidst multiple  
drivers

*EPA's capital project decision-making method, **Augmented Alternatives Analysis (AAA)**, was developed to address these challenges in modern-day project decision-making.*

# Augmented Alternatives Analysis (AAA)

---

**Adds** to the core tenets of conventional alternatives analysis benefitting your utility in a few key ways:

Begins with goals, not cost

Drills down from goals to metrics

Creates common scale for metrics (-5 to +5)

Considers cost as final step (cost-benefit ratio)

# Pilot Tested Method, Real World Results

---

## City of Saco Water Resource Recovery Department

- Small Town
- Water Resource Recovery Utility

## High Line Canal Conservancy

- Non-profit
- Works with 11 jurisdictions and water districts

## Camden County Municipal Utilities Authority

- Large City
- Water Resource Recovery Utility

# Camden County Municipal Utilities Authority (2016)



Public wastewater utility serving  
City of Camden, City of Gloucester,  
and Camden County



Revenues: ~\$100 million/annually



Residents served	510,0000
Lines	125 mi.
Plant capacity	58 mgd



Receiving water: Delaware River



LTCP required to be in place by  
2020 (Camden Goal: 2018)



Average number of Combined  
Sewer Overflows annually: 70

# Camden County Municipal Utilities Authority (2016)

---

## AAA Provided:

- An organizing framework for **meaningful** community input
- Systematic process to identify optimal project from **a triple bottom line standpoint**

## Outcomes:

- **Significantly more greenspace** created for community benefit
- **Fewer overflows and less flooding** for environmental and public health benefit
- Only **slightly greater cost**, mitigated by SRF funding

# AAA Process

A step-by-step walkthrough



# How does AAA add to a conventional analysis?

Conventional Alternatives Analysis	+	Augmented Steps of AAA
+	1	Understand Community Priorities
	2	Determine Project Goals
	3	Define Objectives
+	4	Rank the Importance of Goals
	5	Establish Criteria
	6	Choose Metrics for Your Criteria
+	7	Create Performance Ranges
	8	Evaluate Performance of Each Alternative
	9	Compare Across Alternatives
	10	Incorporate Cost Considerations

# Step 1: Understand Community Priorities

---

1

**Who needs to be included?**

**Impacted groups**

**Board/Council**

**Community leaders**

**Chamber of commerce, watershed partners, etc.**

**What form of engagement is best?**

**Fixed Seat Working Group**

**Webinars**

**Public Meetings**

**Tabling Events**

**Attending Community Meetings**

2

3

4

5

6

7

8

9

10

# Step 1: Understand Community Priorities

---

1

2

3

4

5

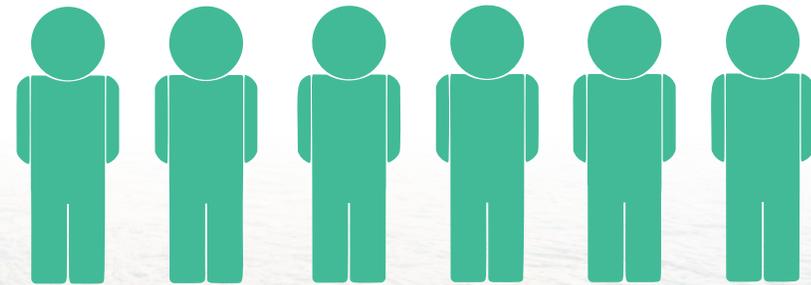
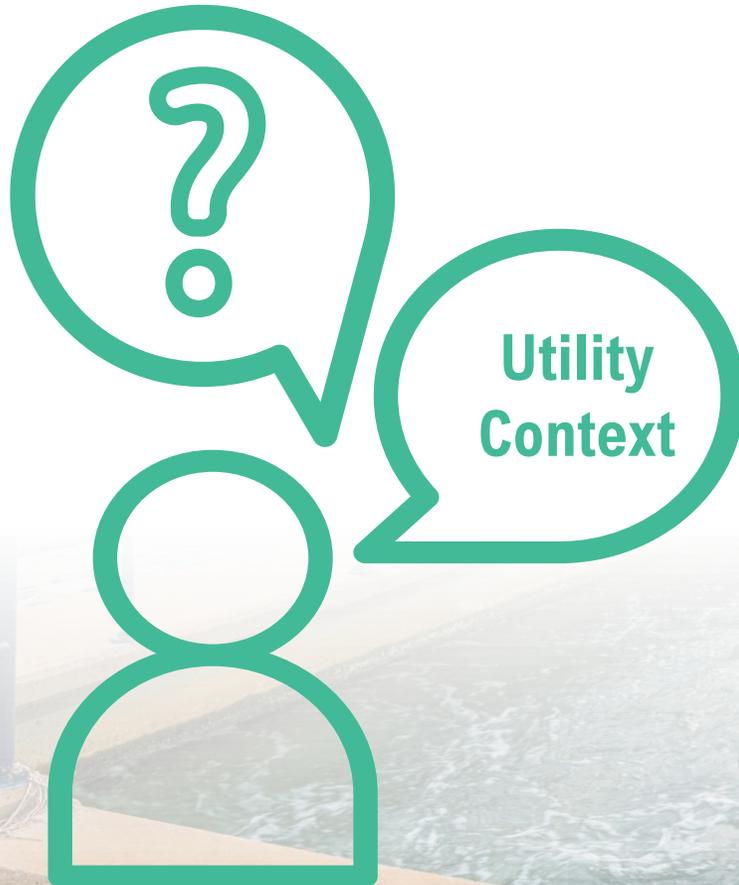
6

7

8

9

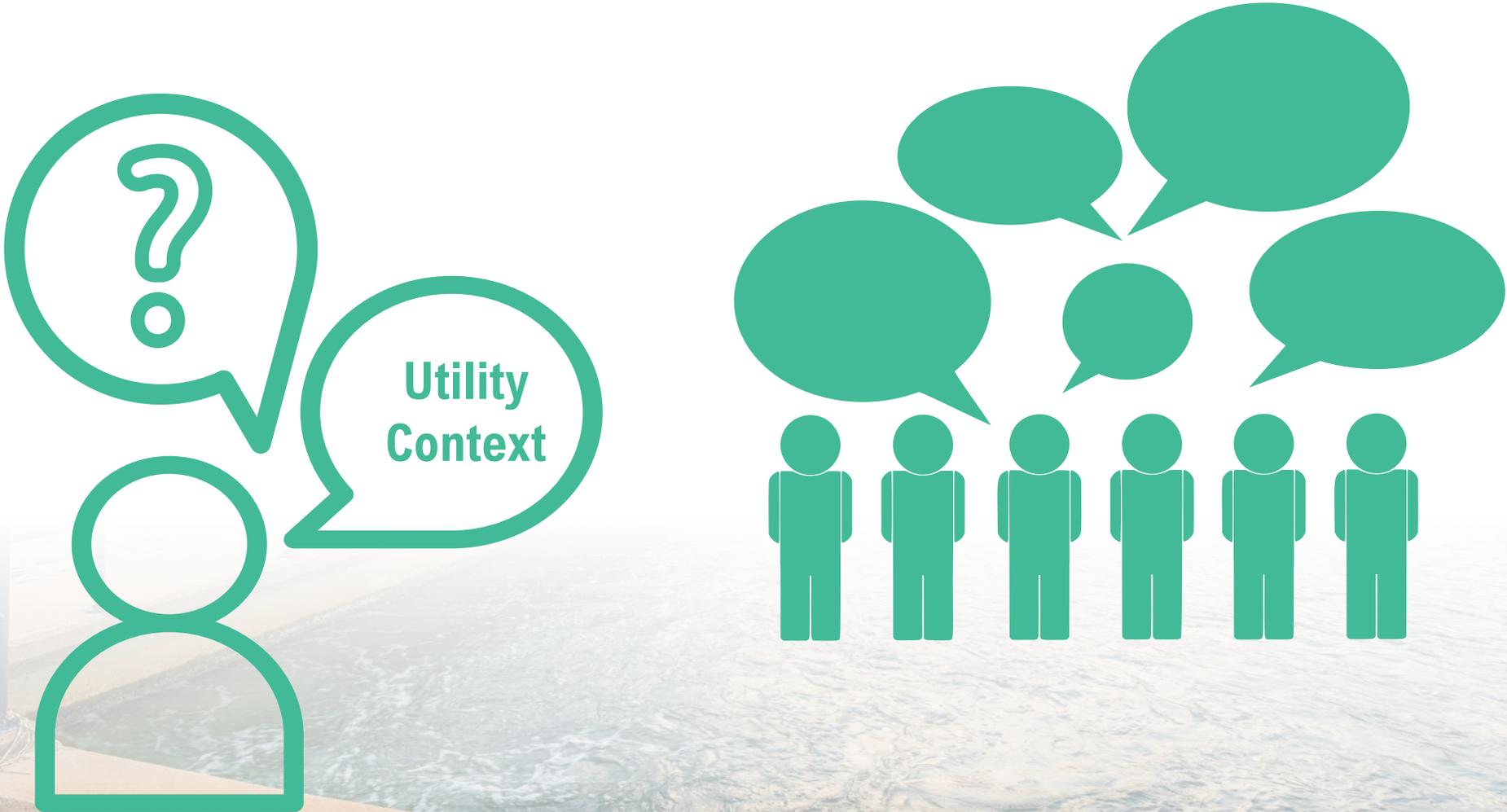
10



# Step 1: Understand Community Priorities

---

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10



## Step 2: Determine Goals

---

1

2

3

4

5

6

7

8

9

10

Goals are **broad, high-level statements** that provide a snapshot of the **desired final results** that you hope to achieve (both within the utility and broader community).

# Step 2: Determine Goals – Camden Example

1

2

3

4

5

6

7

8

9

10



Enhance Public Health and Environment

Meet or Exceed Permit Requirements



Produce Economic and Neighborhood Benefits

Enhance Overall System Resiliency



Optimize Existing Public Resources

Increase Public Understanding and Support for CSO Solutions



# Step 2: Determine Goals – Camden Example

---

**Goal**

Enhance Public Health and Environment



1

2

3

4

5

6

7

8

9

10



# Step 3: Define Objectives– Camden Example

---

**Goal**

Enhance Public Health and Environment



**Objective**

Reduce human contact with sewage

An **objective** is an outcome that contributes to the achievement of the goal.

1

2

3

4

5

6

7

8

9

10

# Step 3: Define Objectives– Camden Example

- 1
- 2
- 3**
- 4
- 5
- 6
- 7
- 8
- 9
- 10



- Reduce human contact with sewage
- Improve receiving water quality



- Increase compatibility with regional redevelopment efforts
- Improve livability in neighborhoods



- Meet/exceed capture targets
- Meet/exceed treatment targets



- Identify and establish an affordable CSO strategy
- Reduce the amount of stormwater and groundwater entering system
- Support ongoing collection system operations



- Increase resilience to storm surges
- Increase adaptability to changing hydrologic conditions



- Transfer knowledge of CSO problems and value of wastewater services

# Step 4: Rank the Importance of Goals – Camden Example

---

1

2

3

4

5

6

7

8

9

10

Ranking is the importance, prioritization, or “weight” of one goal in relation to another.

# Step 4: Rank the Importance of Goals – Camden Example

- 1
- 2
- 3
- 4**
- 5
- 6
- 7
- 8
- 9
- 10

	Enhance Public Health and Environment	<b>10</b>
	Meet or Exceed Permit Requirements	<b>9</b>
	Enhance Overall System Resiliency	<b>8</b>
	Produce Economic & Neighborhood Benefits	<b>8</b>
	Optimize Existing Public Resources	<b>7</b>
	Increase Public Understanding & Support for CSO Solutions	<b>6</b>

# Step 5: Establish Criteria – Camden Example

---

**Goal**

Enhance Public Health and Environment



**Objective**

Reduce human contact with sewage

**Criteria**

Reduction in street flooding events – emphasis on residential areas

1

2

3

4

5

6

7

8

9

10

**Criteria** reveal an alternative's strengths and weaknesses. They demonstrate how an alternative will perform relative to goal and objective.

# Step 6: Choose Metrics – Camden Example

**Goal**

Enhance Public Health and Environment



**Objective**

Reduce human contact with sewage

**Criteria**

Reduction in street flooding events – emphasis on residential areas

**Metric**

flood quantity % reduction in residential areas of concern

**Metrics** measure performance of each alternative.  
They can be quantitative or qualitative.

1

2

3

4

5

6

7

8

9

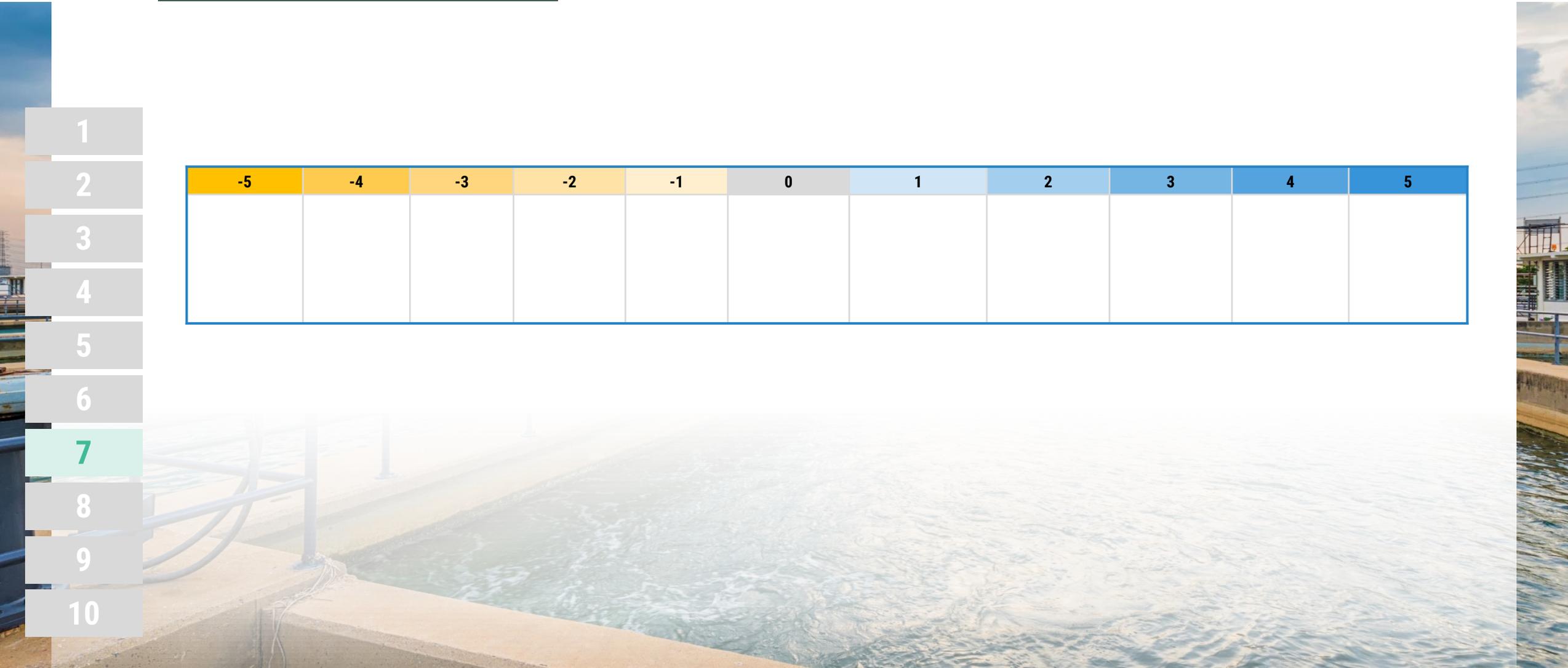
10

# Step 7: Create Performance Ranges – Camden Example

---

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

-5	-4	-3	-2	-1	0	1	2	3	4	5



# Step 7: Create Performance Ranges – Camden Example

**Goal**

Enhance Public Health and Environment



**Objective**

Reduce human contact with sewage

**Criteria**

Reduction in street flooding events – emphasis on residential areas

**Metric**

flood quantity % reduction in residential areas of concern

-5	-4	-3	-2	-1	0	1	2	3	4	5
					Alternative has no impact on the flood quantity					

1

2

3

4

5

6

7

8

9

10

# Step 7: Create Performance Ranges – Camden Example

**Goal**

Enhance Public Health and Environment



**Objective**

Reduce human contact with sewage

**Criteria**

Reduction in street flooding events – emphasis on residential areas

**Metric**

flood quantity % reduction in residential areas of concern

-5	-4	-3	-2	-1	0	1	2	3	4	5
					Alternative has no impact on the flood quantity					Alternative reduces flood quantity by more than 40% annually

1

2

3

4

5

6

7

8

9

10

# Step 7: Create Performance Ranges – Camden Example

**Goal**

Enhance Public Health and Environment



**Objective**

Reduce human contact with sewage

**Criteria**

Reduction in street flooding events – emphasis on residential areas

**Metric**

flood quantity % reduction in residential areas of concern

-5	-4	-3	-2	-1	0	1	2	3	4	5
					Alternative has no impact on the flood quantity					Alternative reduces flood quantity by more than 40% annually

1

2

3

4

5

6

7

8

9

10

# Step 7: Create Performance Ranges – Camden Example

**Goal**

Enhance Public Health and Environment



**Objective**

Reduce human contact with sewage

**Criteria**

Reduction in street flooding events – emphasis on residential areas

**Metric**

flood quantity % reduction in residential areas of concern

-5	-4	-3	-2	-1	0	1	2	3	4	5
					Alternative has no impact on the flood quantity	Alternative reduces flood quantity by up to 10% annually	Alternative reduces flood quantity by 11-20% annually	Alternative reduces flood quantity by 21-30% annually	Alternative reduces flood quantity by 31-40% annually	Alternative reduces flood quantity by more than 40% annually

1

2

3

4

5

6

7

8

9

10

# Step 7: Create Performance Ranges – Camden Example

## Metric

flood quantity % reduction in residential areas of concern

-5	-4	-3	-2	-1	0	1	2	3	4	5
					has no impact on the flood quantity	reduces flood quantity by up to 10% annually	reduces flood quantity by 11-20% annually	reduces flood quantity by 21-30% annually	reduces flood quantity by 31-40% annually	reduces flood quantity by more than 40% annually

## Metric

Area of recreational space in acres

-5	-4	-3	-2	-1	0	1	2	3	4	5
impacts or eliminates more than 50	impacts or eliminates 25-50 acres	impacts or eliminates 10-25 acres	impacts or eliminates 5-10 acres	impacts or eliminates up to 5 acres	does not change the number of acres	adds up to 5 acres	adds 5-10 acres	adds 10-25 acres	adds 25-50 acres	adds 25-50 acres

1

2

3

4

5

6

7

8

9

10

# Step 8: Evaluate Performance – Camden Example

---

1

2

3

4

5

6

7

8

9

10

**Alternative 1: All Grey**

**Alternative 2: Moderate Green**

**Alternative 3: Heavy Green**



# Step 8: Evaluate Performance – Camden Example

## Metric

flood quantity % reduction in residential areas of concern

-5	-4	-3	-2	-1	0	1	2	3	4	5
					has no impact on the flood quantity	reduces flood quantity by up to 10% annually	reduces flood quantity by 11-20% annually	reduces flood quantity by 21-30% annually	reduces flood quantity by 31-40% annually	reduces flood quantity by more than 40% annually

<b>Alternative 1: All Grey</b>	<b>0</b>
<b>Alternative 2: Moderate Green</b>	<b>3</b>
<b>Alternative 3: Heavy Green</b>	<b>3</b>

1

2

3

4

5

6

7

8

9

10



# Step 8: Evaluate Performance – Camden Example

Criteria	Unweighted Score		
	<i>Alt A</i>	<i>Alt B</i>	<i>Alt C</i>
Goal 1 - Reduction in flooding events	0	3	3
Goal 1 - Reduction in CSO discharge volume			
Goal 2 - Annual system-wide CSO volume capture			
Goal 3 - Flexibility in siting project			
Goal 4 - Flexibility in timing of implementation of project			
Goal 4 - Flexibility in phasing implementation of alternatives			
Goal 4 - Green space			
Goal 4 - Reduction in heat island effect			
Goal 5 - Cost effectiveness			
Goal 6 - Visibility to citizens			

1

2

3

4

5

6

7

8

9

10

# Step 8: Evaluate Performance – Camden Example

Criteria	Unweighted Score		
	<i>Alt A</i>	<i>Alt B</i>	<i>Alt C</i>
Goal 1 - Reduction in flooding events	0	3	3
Goal 1 - Reduction in CSO discharge volume	4	4	4
Goal 2 - Annual system-wide CSO volume capture			
Goal 3 - Flexibility in siting project			
Goal 4 - Flexibility in timing of implementation of project			
Goal 4 - Flexibility in phasing implementation of alternatives			
Goal 4 - Green space			
Goal 4 - Reduction in heat island effect			
Goal 5 - Cost effectiveness			
Goal 6 - Visibility to citizens			

1

2

3

4

5

6

7

8

9

10

# Step 8: Evaluate Performance – Camden Example

Criteria	Unweighted Score		
	<i>Alt A</i>	<i>Alt B</i>	<i>Alt C</i>
Goal 1 - Reduction in flooding events	0	3	3
Goal 1 - Reduction in CSO discharge volume	4	4	4
Goal 2 - Annual system-wide CSO volume capture	5	5	5
Goal 3 - Flexibility in siting project	1	1	1
Goal 4 - Flexibility in timing of implementation of project	4	3	2
Goal 4 - Flexibility in phasing implementation of alternatives	3	3	3
Goal 4 - Green space	0	1	1
Goal 4 - Reduction in heat island effect	0	1	1
Goal 5 - Cost effectiveness	2	-1	-3
Goal 6 - Visibility to citizens	1	5	5

1

2

3

4

5

6

7

8

9

10

# Step 8: Evaluate Performance – Camden Example

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8**
- 9
- 10

Criteria	Unweighted Score		
	<i>Alt A</i>	<i>Alt B</i>	<i>Alt C</i>
Goal 1 - Reduction in flooding events	0	3	3
Goal 1 - Reduction in CSO discharge volume	4	4	4
Goal 2 - Annual system-wide CSO volume capture	5	5	5
Goal 3 - Flexibility in siting project	1	1	1
Goal 4 - Flexibility in timing of implementation of project	4	3	2
Goal 4 - Flexibility in phasing implementation of alternatives	3	3	3
Goal 4 - Green space	0	1	1
Goal 4 - Reduction in heat island effect	0	1	1
Goal 5 - Cost effectiveness	2	-1	-3
Goal 6 - Visibility to citizens	1	5	5
<b>TOTAL</b>	<b>20</b>	<b>25</b>	<b>22</b>

# Step 9 Compare Across Alternatives – Camden Example

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Criteria	Unweighted Score		
	Alt A	Alt B	Alt C
Goal 1 - Reduction in flooding events	0	3	3
Goal 1 - Reduction in flooding events  Enhance Public Health and Environment <b>10</b>	4	4	4
Goal 2 - Annual s  Meet or Exceed Permit Requirements <b>9</b>	5	5	5
Goal 3 - Flexibility  Enhance Overall System Resiliency <b>8</b>	1	1	1
Goal 4 - Flexibility  Produce Economic & Neighborhood Benefits <b>8</b>	4	3	2
Goal 4 - Flexibility  Optimize Existing Public Resources <b>7</b>	3	3	3
Goal 4 - Green sp  Increase Public Understanding & Support for CSO Solutions <b>6</b>	0	1	1
Goal 4 - Reductio  Increase Public Understanding & Support for CSO Solutions <b>6</b>	0	1	1
Goal 5 - Cost effe	2	-1	-3
Goal 6 - Visibility to citizens	1	5	5
<b>TOTAL</b>	<b>20</b>	<b>25</b>	<b>22</b>

# Step 9 Compare Across Alternatives – Camden Example

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Criteria	Weight	Alternatives		
		Alt A	Alt B	Alt C
Goal 1 - Reduction in flooding events		0	3	3
Goal 1 - Reduction in flooding events	 Enhance Public Health and Environment <b>10</b>	4	4	4
Goal 2 - Annual s...	 Meet or Exceed Permit Requirements <b>9</b>	5	5	5
Goal 3 - Flexibility	 Enhance Overall System Resiliency <b>8</b>	1	1	1
Goal 4 - Flexibility	 Produce Economic & Neighborhood Benefits <b>8</b>	4	3	2
Goal 4 - Flexibility	 Produce Economic & Neighborhood Benefits <b>8</b>	3	3	3
Goal 4 - Green sp...	 Optimize Existing Public Resources <b>7</b>	0	1	1
Goal 4 - Reductio...	 Optimize Existing Public Resources <b>7</b>	0	1	1
Goal 5 - Cost effe...	 Increase Public Understanding & Support for CSO Solutions <b>6</b>	2	-1	-3
Goal 6 - Visibility to citizens		1	5	5
<b>TOTAL</b>		<b>20</b>	<b>25</b>	<b>22</b>

# Step 9 Compare Across Alternatives – Camden Example

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Criteria	Weight			
		Alt A	Alt B	Alt C
Goal 1 - Reduction in flooding events		0	3	3
Goal 1 - Reduction in flooding events	10	4	4	4
Goal 2 - Annual s...	9	5	5	5
Goal 3 - Flexibility		1	1	1
Goal 4 - Flexibility	8	4	3	2
Goal 4 - Flexibility	8	3	3	3
Goal 4 - Green sp...	7	0	1	1
Goal 4 - Reductio...		0	1	1
Goal 5 - Cost effe...	6	2	-1	-3
Goal 6 - Visibility to citizens		1	5	5
<b>TOTAL</b>		<b>20</b>	<b>25</b>	<b>22</b>

- Enhance Public Health and Environment
10
- Meet or Exceed Permit Requirements
9
- Enhance Overall System Resiliency
8
- Produce Economic & Neighborhood Benefits
8
- Optimize Existing Public Resources
7
- Increase Public Understanding & Support for CSO Solutions
6

# Step 9 Compare Across Alternatives – Camden Example

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Criteria		Weight	Alt A	Alt B	Alt C
Goal 1 - Reduction in flooding events		10	0	3	3
Goal 1 - Reduction in flooding events	 Enhance Public Health and Environment <b>10</b>	10	4	4	4
Goal 2 - Annual s...	 Meet or Exceed Permit Requirements <b>9</b>	9	5	5	5
Goal 3 - Flexibility	 Enhance Overall System Resiliency <b>8</b>	8	1	1	1
Goal 4 - Flexibility	 Produce Economic & Neighborhood Benefits <b>8</b>	8	4	3	2
Goal 4 - Flexibility	 Produce Economic & Neighborhood Benefits <b>8</b>	8	3	3	3
Goal 4 - Green sp...	 Optimize Existing Public Resources <b>7</b>	8	0	1	1
Goal 4 - Reductio...	 Increase Public Understanding & Support for CSO Solutions <b>6</b>	8	0	1	1
Goal 5 - Cost effe...	 Increase Public Understanding & Support for CSO Solutions <b>6</b>	7	2	-1	-3
Goal 6 - Visibility to citizens		6	1	5	5
<b>TOTAL</b>			<b>20</b>	<b>25</b>	<b>22</b>

# Step 9 Compare Across Alternatives – Camden Example

	Criteria	Weight	Alt A	Alt B	Alt C
1	Goal 1 - Reduction in flooding events	10	0	3	3
2	Goal 1 - Reduction in CSO discharge volume	10	4	4	4
3	Goal 2 - Annual system-wide CSO volume capture	9	5	5	5
4	Goal 3 - Flexibility in siting project	8	1	1	1
5	Goal 4 - Flexibility in timing of implementation of project	8	4	3	2
6	Goal 4 - Flexibility in phasing implementation of alternatives	8	3	3	3
7	Goal 4 - Green space	8	0	1	1
8	Goal 4 - Reduction in heat island effect	8	0	1	1
9	Goal 5 - Cost effectiveness	7	2	-1	-3
10	Goal 6 - Visibility to citizens	6	1	5	5
	<b>TOTAL</b>				

# Step 9 Compare Across Alternatives – Camden Example

	Criteria	Weight	Alt A	Alt B	Alt C
	1	Goal 1 - Reduction in flooding events	10	0	10
2	Goal 1 - Reduction in CSO discharge volume	10	40	40	40
3	Goal 2 - Annual system-wide CSO volume capture	9	45	45	45
4	Goal 3 - Flexibility in siting project	8	8	8	8
5	Goal 4 - Flexibility in timing of implementation of project	8	32	24	16
6	Goal 4 - Flexibility in phasing implementation of alternatives	8	24	24	24
7	Goal 4 - Green space	8	0	8	8
8	Goal 4 - Reduction in heat island effect	8	0	8	8
9	Goal 5 - Cost effectiveness	7	6	18	30
10	Goal 6 - Visibility to citizens	6	0	10	30
	<b>TOTAL</b>				

# Step 9 Compare Across Alternatives – Camden Example

	Criteria	Weight	Alt A	Alt B	Alt C
1	Goal 1 - Reduction in flooding events	10	0	10	30
2	Goal 1 - Reduction in CSO discharge volume	10	40	40	40
3	Goal 2 - Annual system-wide CSO volume capture	9	45	45	45
4	Goal 3 - Flexibility in siting project	8	8	8	8
5	Goal 4 - Flexibility in timing of implementation of project	8	32	24	16
6	Goal 4 - Flexibility in phasing implementation of alternatives	8	24	24	24
7	Goal 4 - Green space	8	0	8	8
8	Goal 4 - Reduction in heat island effect	8	0	8	8
9	Goal 5 - Cost effectiveness	7	6	18	30
10	Goal 6 - Visibility to citizens	6	0	10	30
	<b>TOTAL</b>		<b><u>155</u></b>	<b><u>185</u></b>	<b><u>209</u></b>

# Step 9 Compare Across Alternatives – Camden Example

Criteria	Weight	Alternatives		
		Alt A	Alt B	Alt C
Goal 1 - Reduction in flooding events	10	0	10	30
Goal 1 - Reduction in CSO discharge volume	10	40	40	40
Goal 2 - Annual system-wide CSO volume capture	9	45	45	45
Goal 3 - Flexibility in siting project	8	8	8	8
Goal 4 - Flexibility in timing of implementation of project	8	32	24	16
Goal 4 - Flexibility in phasing implementation of alternatives	8	24	24	24
Goal 4 - Green space	8	0	8	8
Goal 4 - Reduction in heat island effect	8	0	8	8
Goal 5 - Cost effectiveness	7	6	18	30
Goal 6 - Visibility to citizens	6	0	10	30
<b>TOTAL</b>		<b><u>155</u></b>	<b><u>185</u></b>	<b><u>209</u></b>

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

# Step 10: Incorporate Cost Considerations – Camden Example

	Alt A	Alt B	Alt C
Total Score	155	185	209
Project Capital Cost (Millions)	25	27	30
<b>Benefit-Cost Ratio</b>			

1

2

3

4

5

6

7

8

9

10

# Step 10: Incorporate Cost Considerations – Camden Example

	Alt A	Alt B	Alt C
Total Score	155	185	209
Project Capital Cost (Millions)	25	27	30
<b>Benefit-Cost Ratio</b>	6.2	6.7	7

1

2

3

4

5

6

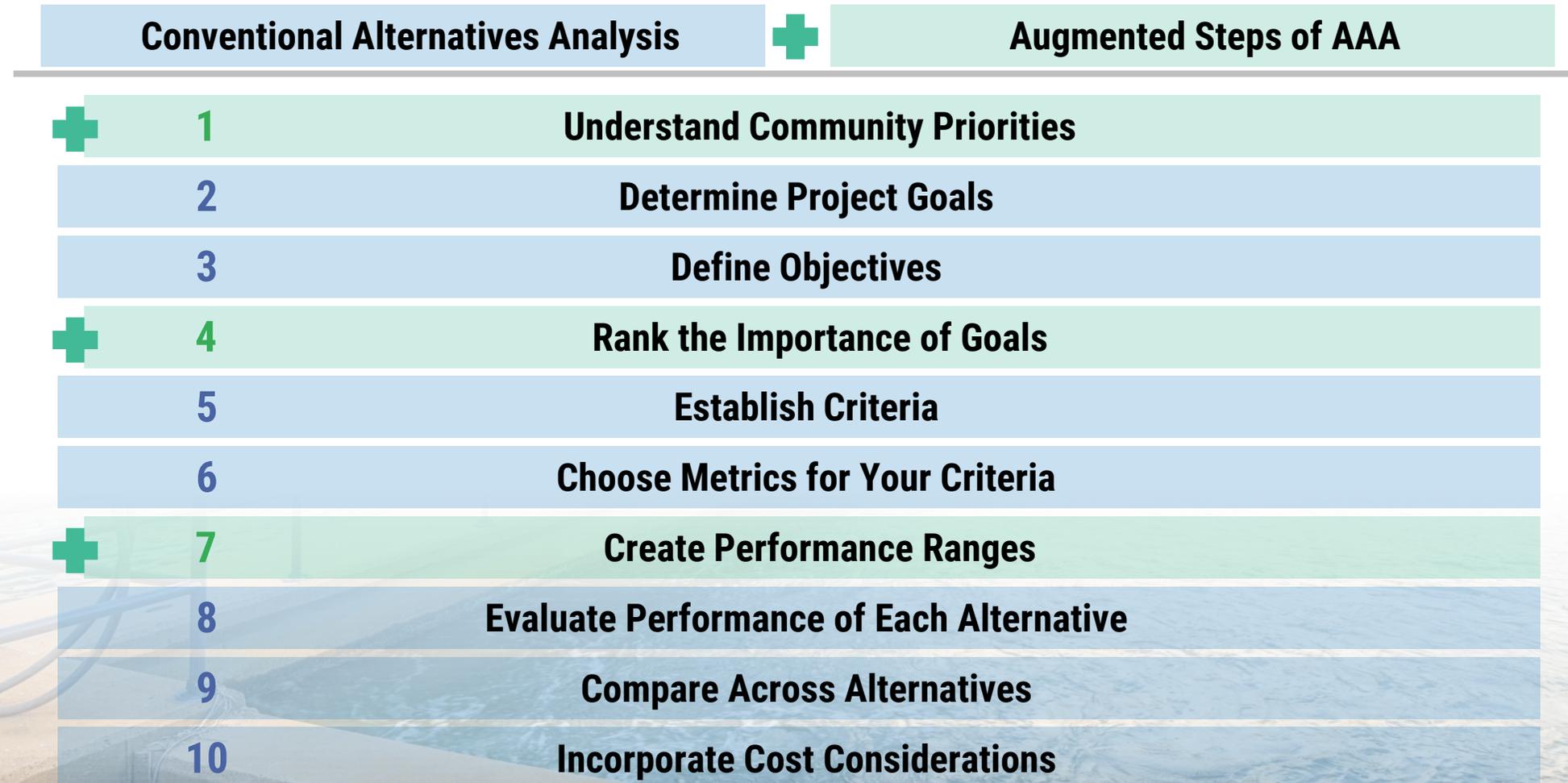
7

8

9

10

# The AAA Process



# Camden Experience with AAA

---

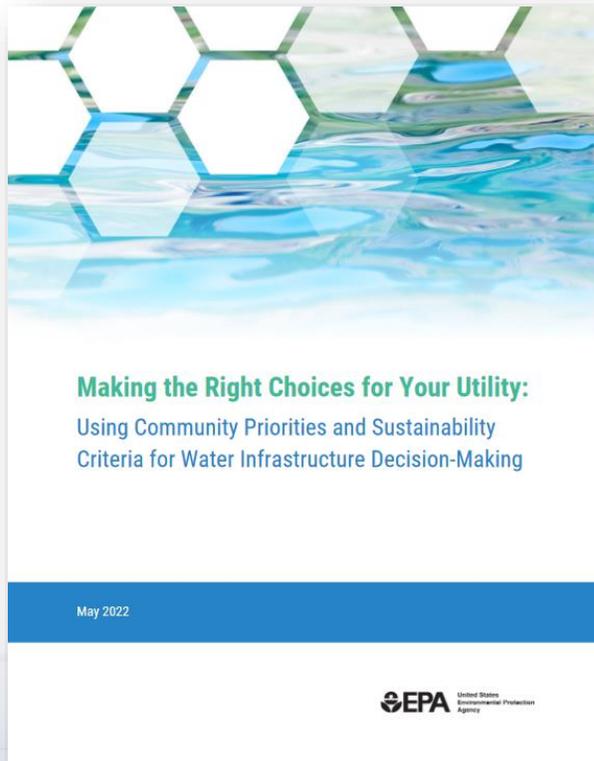
- Identified an investment alternative with **significant community input**
- Improved **community & environmental benefits** (without significant cost & impact to ratepayers)
- Allowed Camden to **apply unique values** & weigh them systematically
- Put competing components of the project together to evaluate the full picture

The AAA process was applied – ***not theoretical*** – and allowed us to talk about the **where** and **how** of green infrastructure

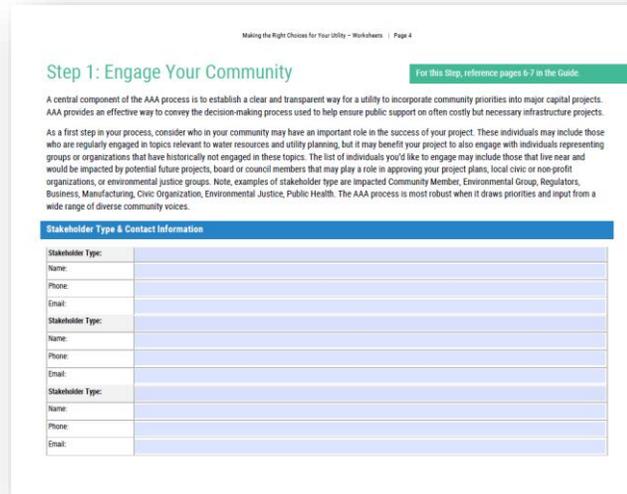
**Questions?**



# AAA Resources



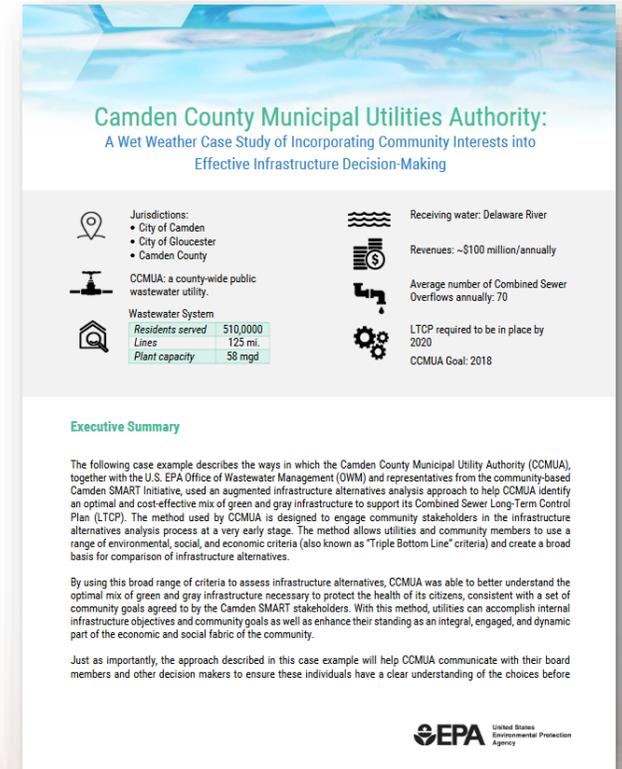
**EPA's AAA Guide  
(Revised May 2022)**



**Worksheets**  
*Fillable PDF & Excel*

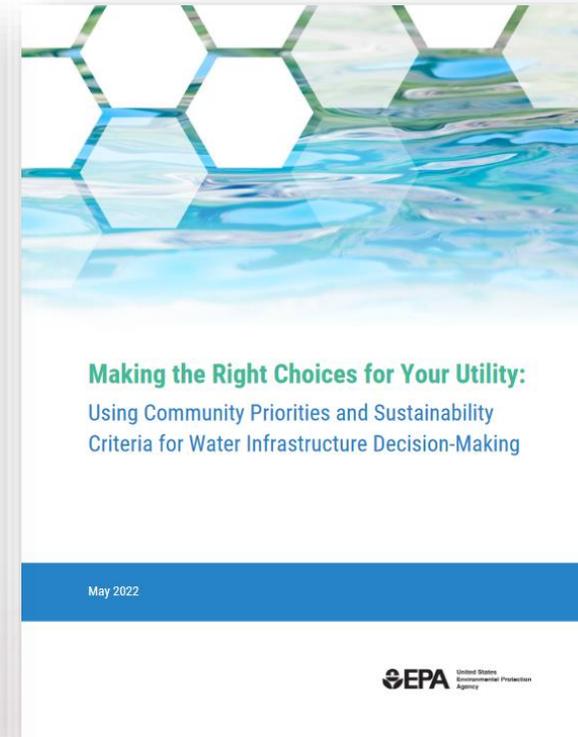
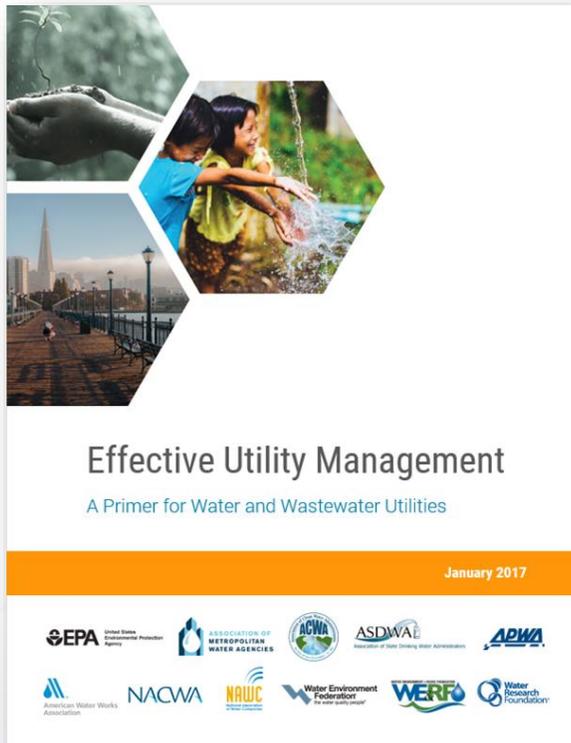


**Webinar Recording**



**Case examples**

# EPA's Sustainable Utility Management



**To view resources:**



**Or search online for EPA's  
"Planning For Sustainability"  
webpage**

**Contact us with questions and  
to learn more!**

**Leslie Corcelli**

EPA Office of Wastewater Management

[corcelli.leslie@epa.gov](mailto:corcelli.leslie@epa.gov) | 202-564-3825