

Report on your Web Activity

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 - **Prioritize your deliberations and research**

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 - **Prepare for the Real Deal.**

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 - **Increase Community Capacity.**

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 - Prepare for the Real Deal
 - Increase Community Capacity
 - **Very well set-up for criteria and scales in RD.**

Starting with Weights

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- Why care?

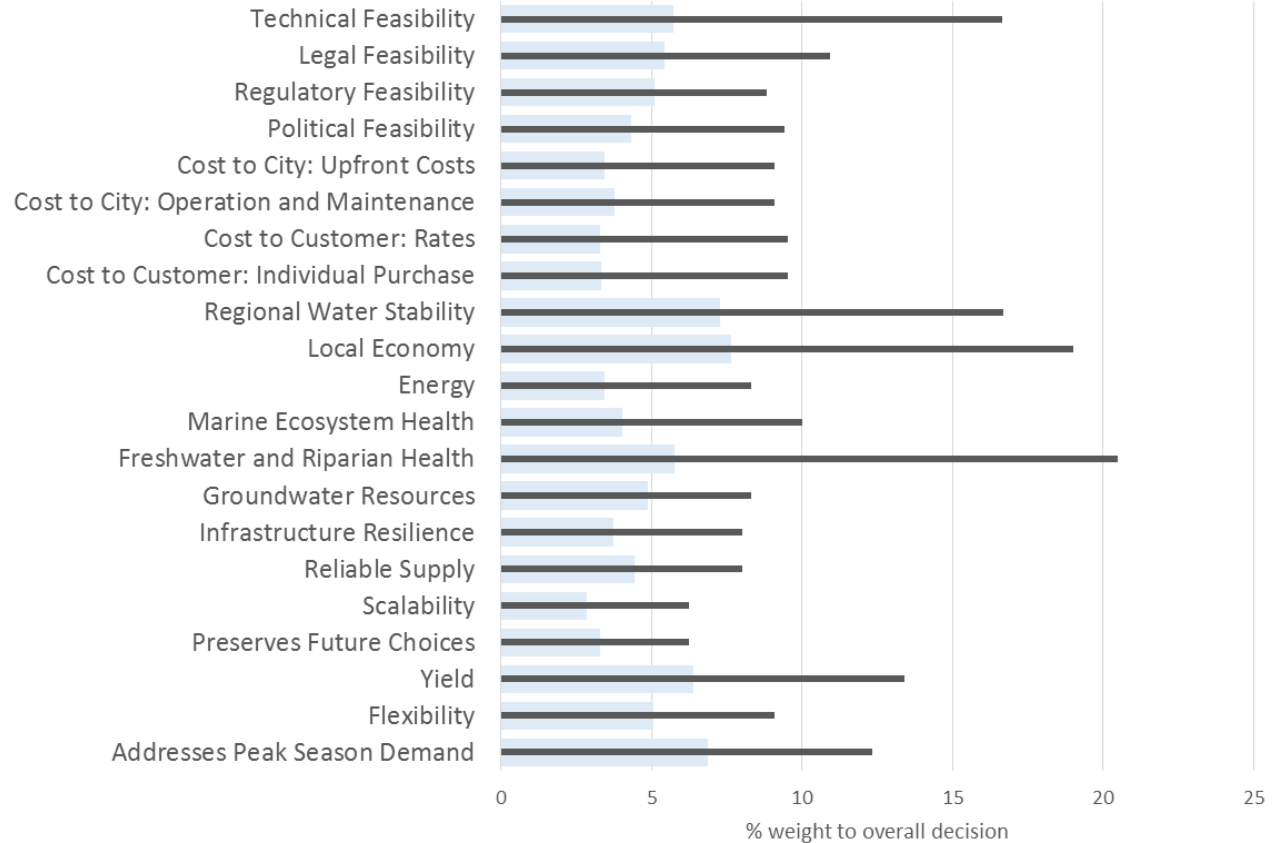
Starting with Weights

- Why care?
- Are the radar graphs worth the effort?

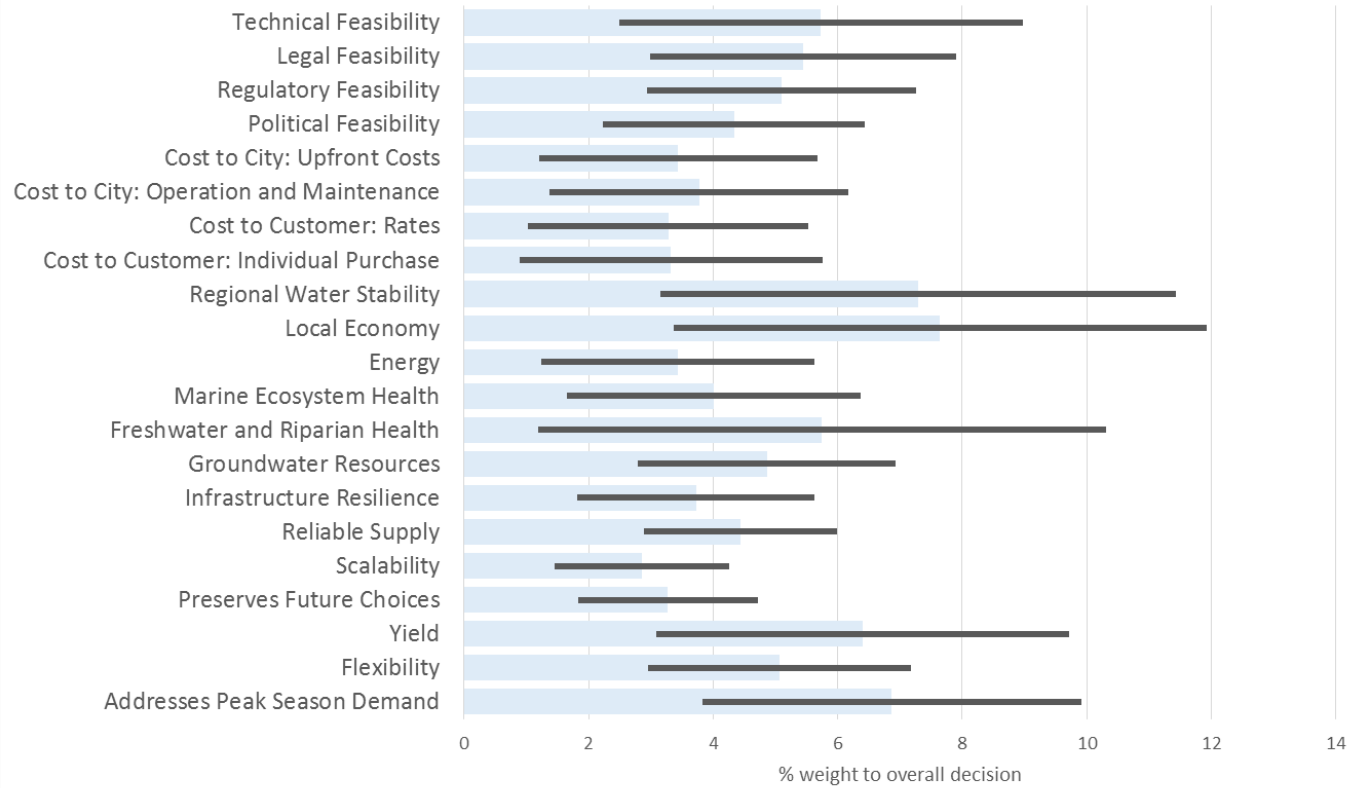
Starting with Weights

- Focus for this discussion
 - You were courageous and interesting
 - Certain emphases pop out, either because of comparatively high values or high variance, or both
 - How you change your weights as the gap gets worse
 - The composite portrait is encouraging
 - The portraits themselves are rich with information

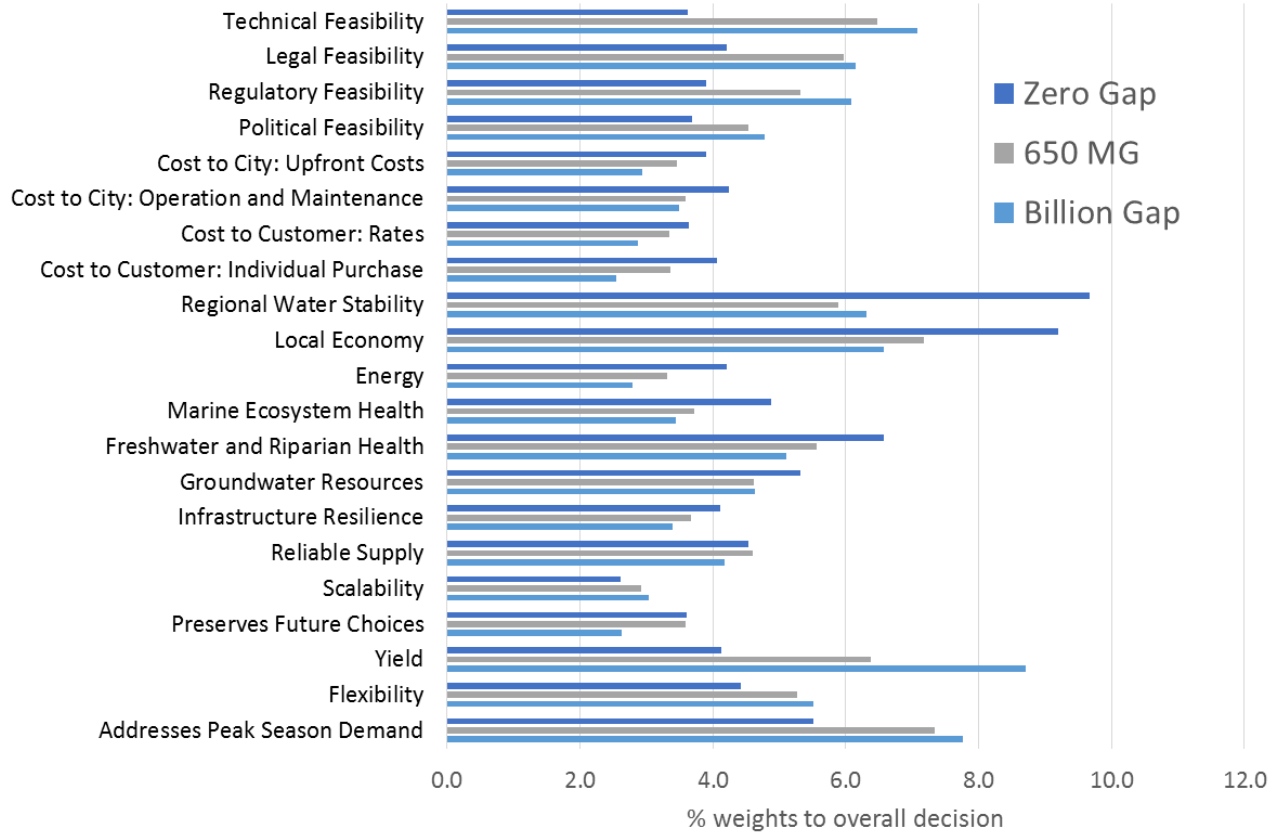
Min-Max Spread of Combined Weights across all scenarios (max 100%)




Standard deviation variation of Combined Weights across all scenarios (max 100%)









Average of Cmtee weights for subcriteria by scenarios



Your weights in a weights portrait

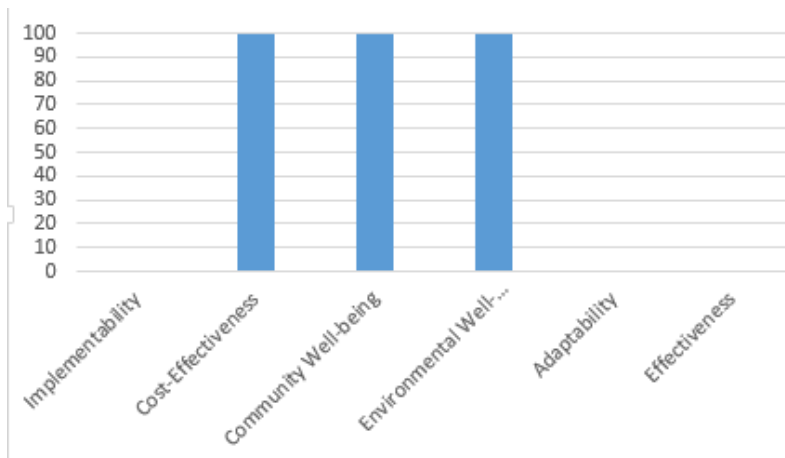
 **Zero Gap**

How much does each high-level criterion matter to you when addressing a zero shortfall?

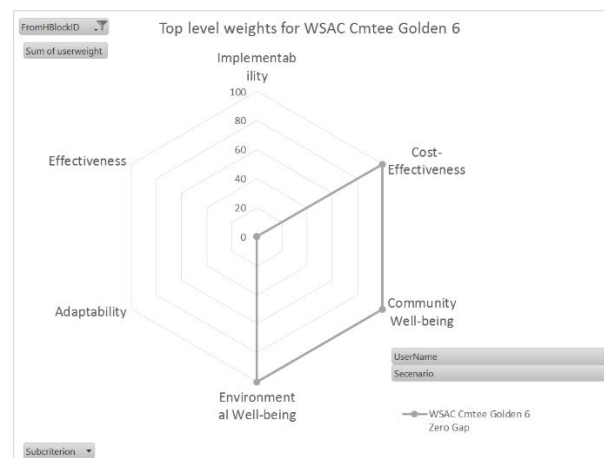
Implementability 	<input type="text" value="Not Salient"/>
Cost-Effectiveness 	<input type="text" value="Critical"/>
Community Well-being 	<input type="text" value="Critical"/>
Environmental Well-being 	<input type="text" value="Critical"/>
Adaptability 	<input type="text" value="Not Salient"/>
Effectiveness 	<input type="text" value="Not Salient"/>

(This is page 1 out of 7 weights pages.)

Weights Histogram – Zero Gap Criteria Level



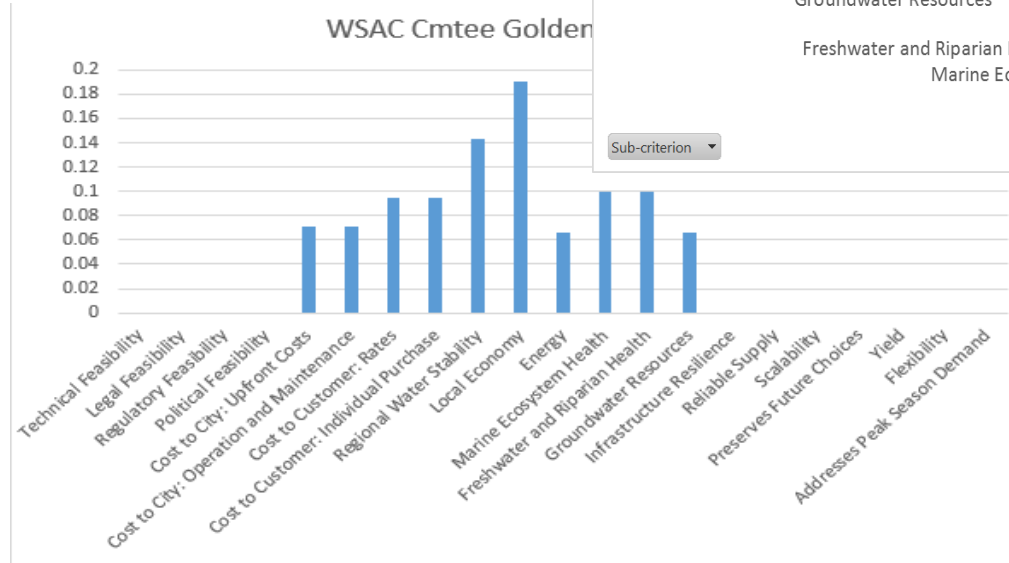
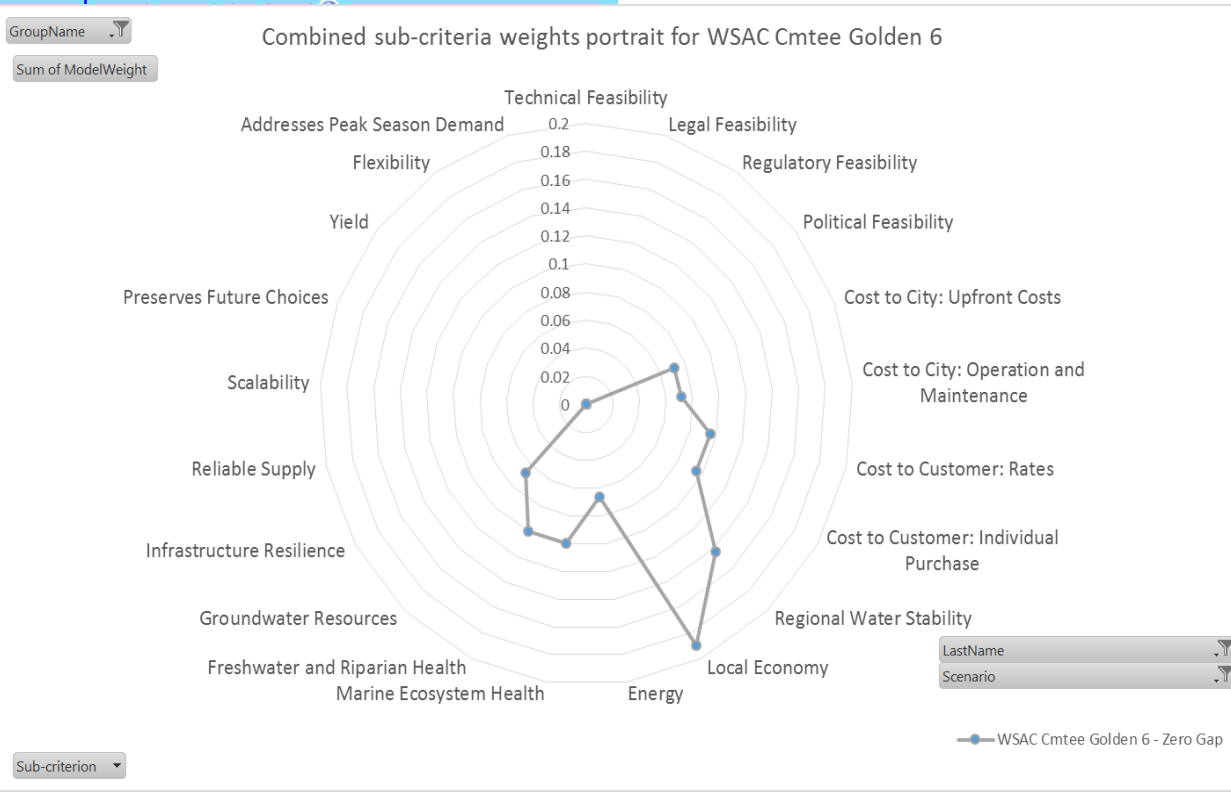
Weights Portrait – Spider Graph – Zero Gap Criteria Level

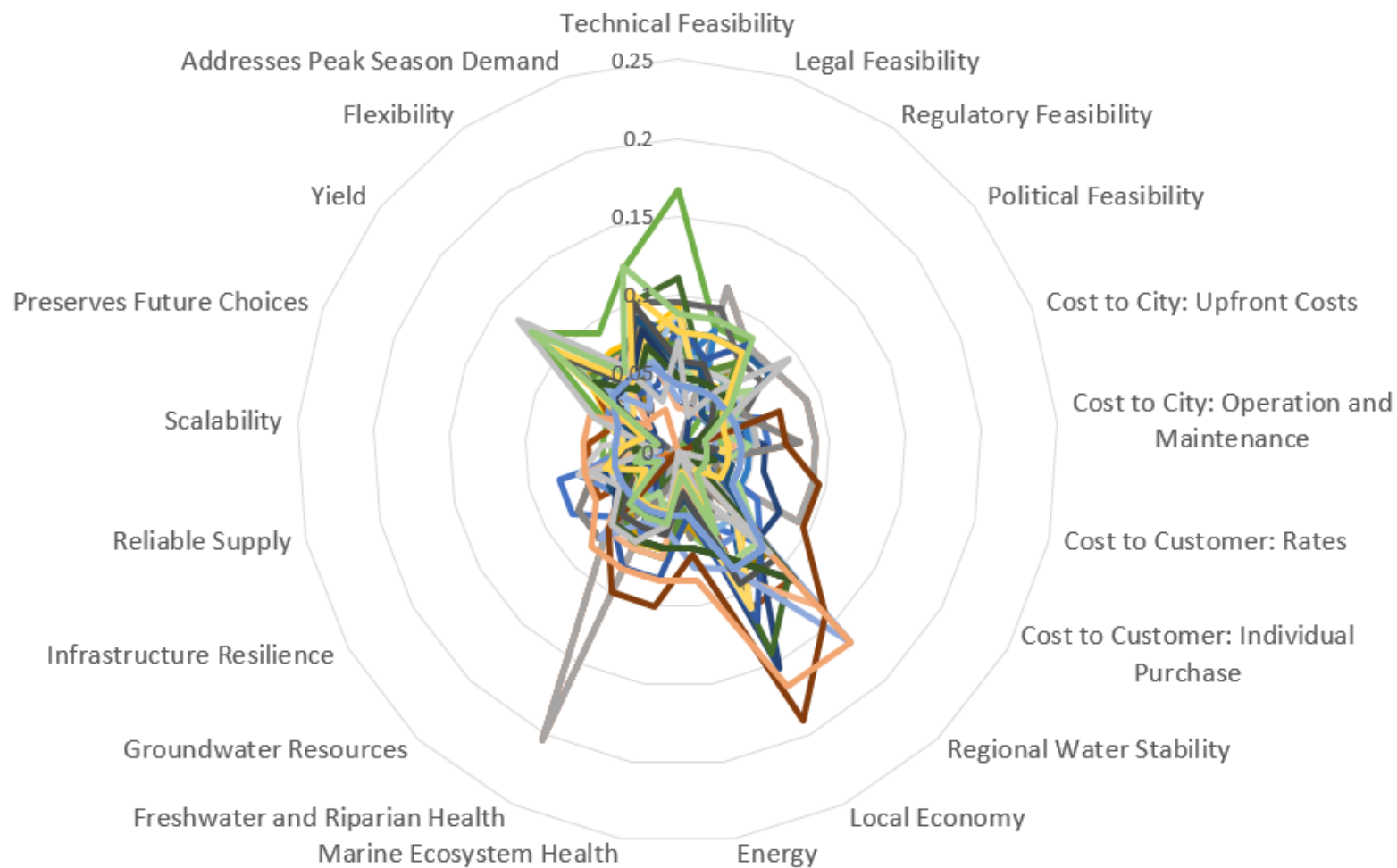


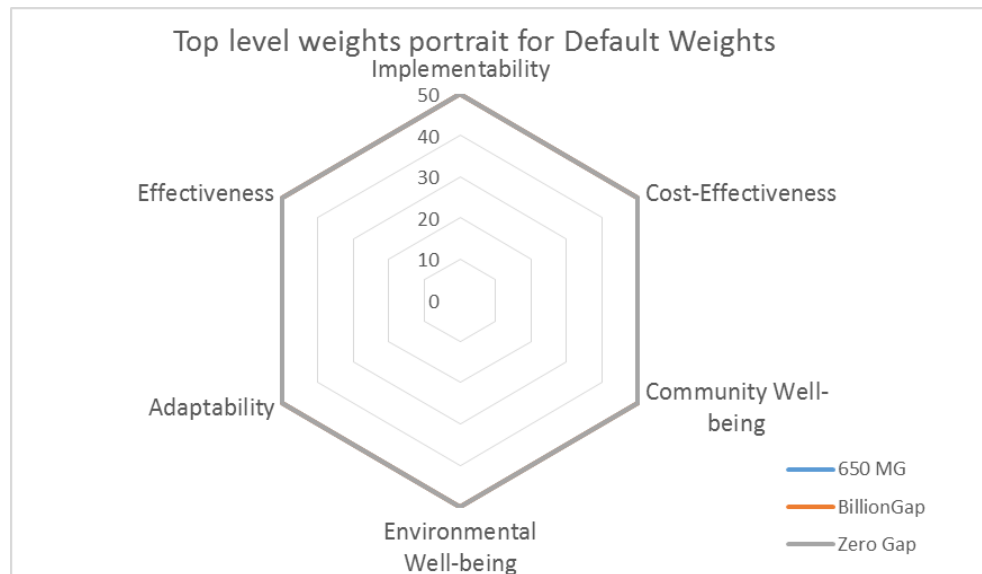
Your combined weights for the Zero Gap Scenario

Simplified Scenario	Criteria	Subcriteria
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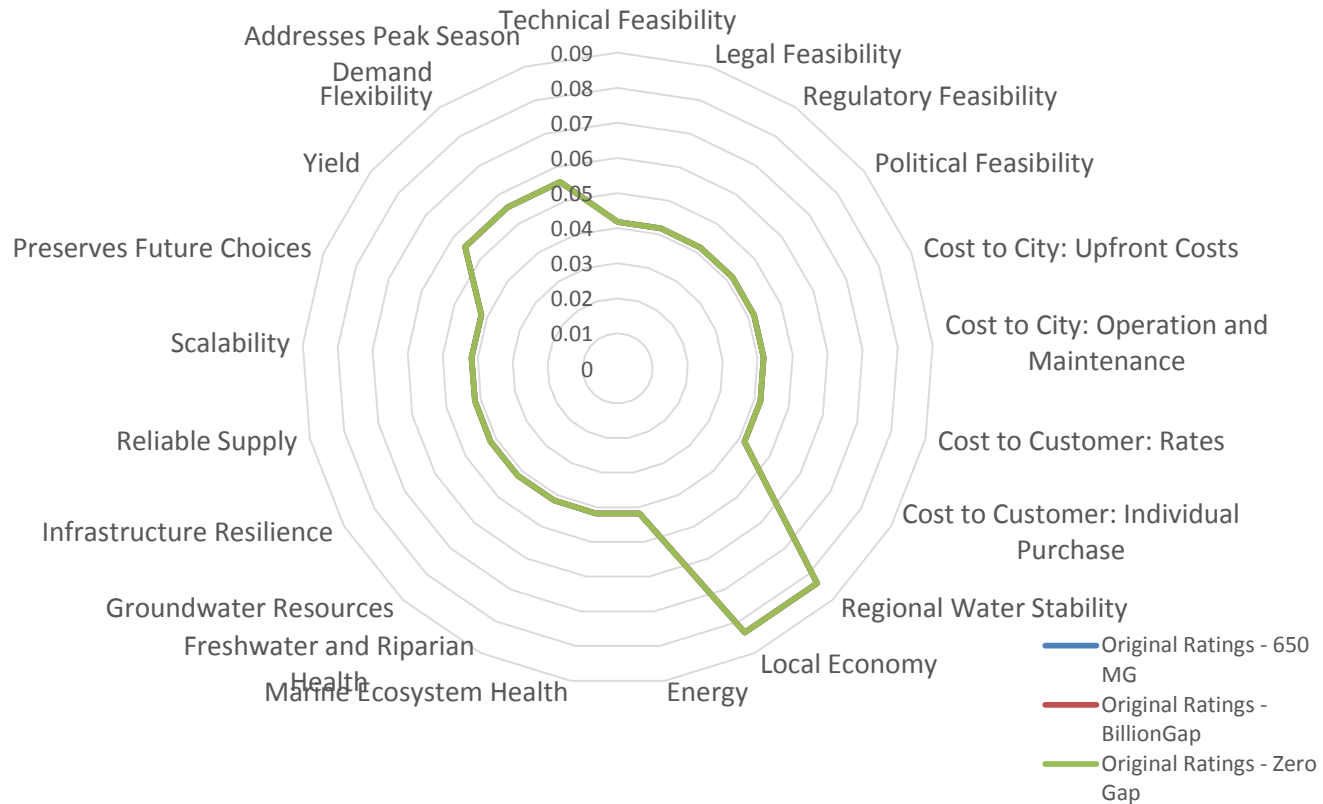
Zero Gap(100%)	Implementability(0%)	
	Cost-Effectiveness(33%)	
	Environmental Well-being(33%)	
	Community Well-being(33%)	
	Adaptability(0%)	
	Effectiveness(0%)	

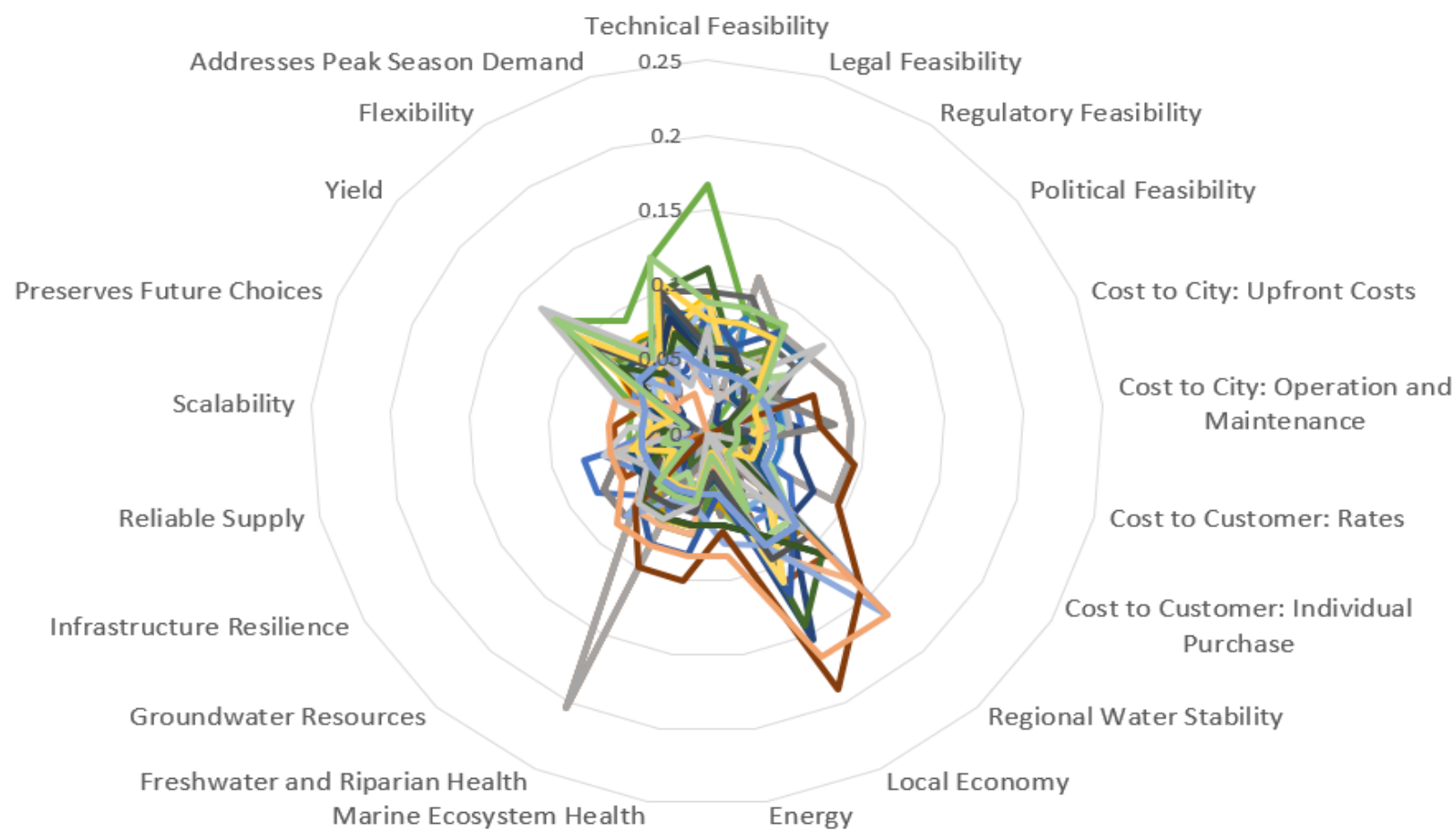







Combined sub-criteria weights portrait for Original Ratings

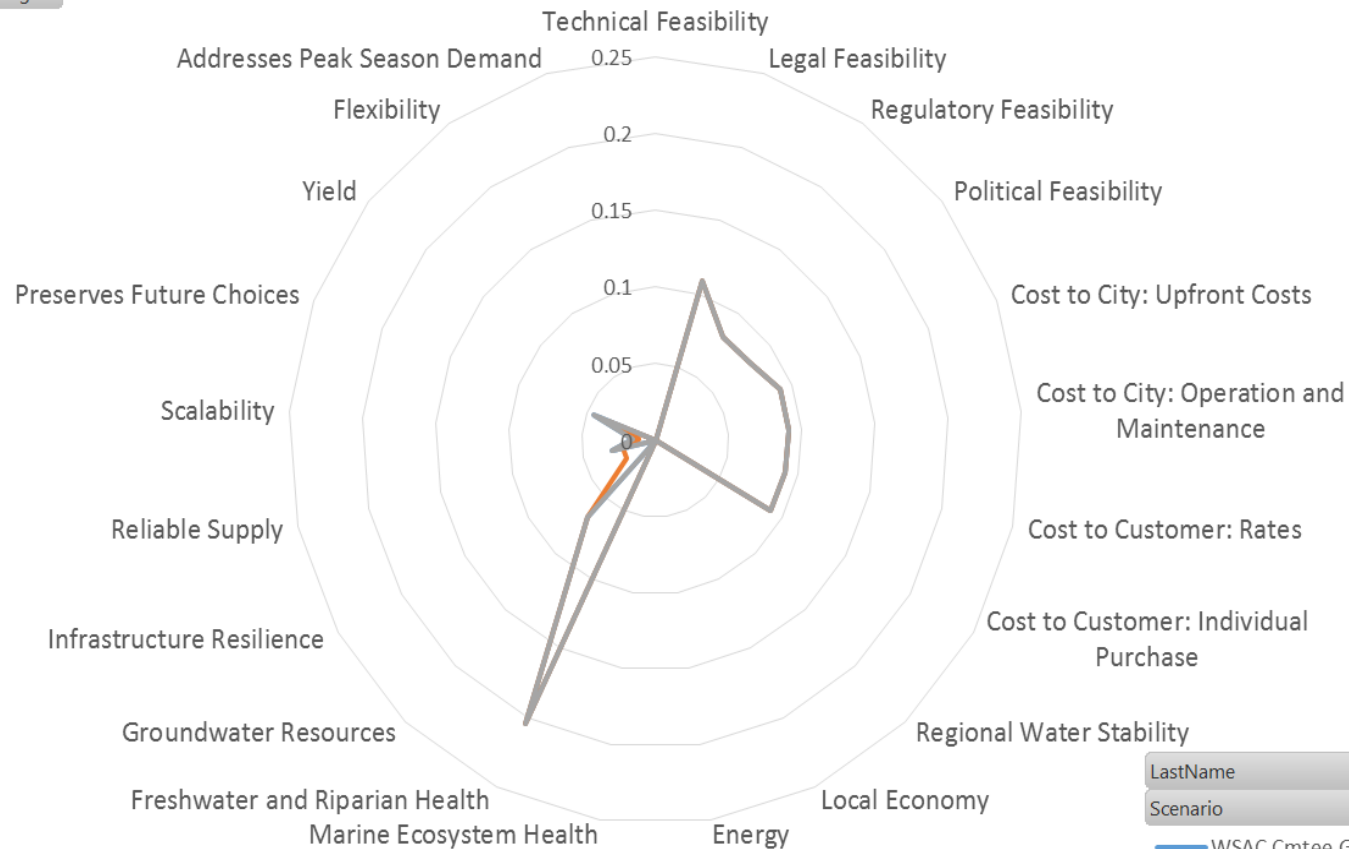





GroupName 

Sum of ModelWeight


Combined sub-criteria weights portrait for WSAC Cmtee Golden 1

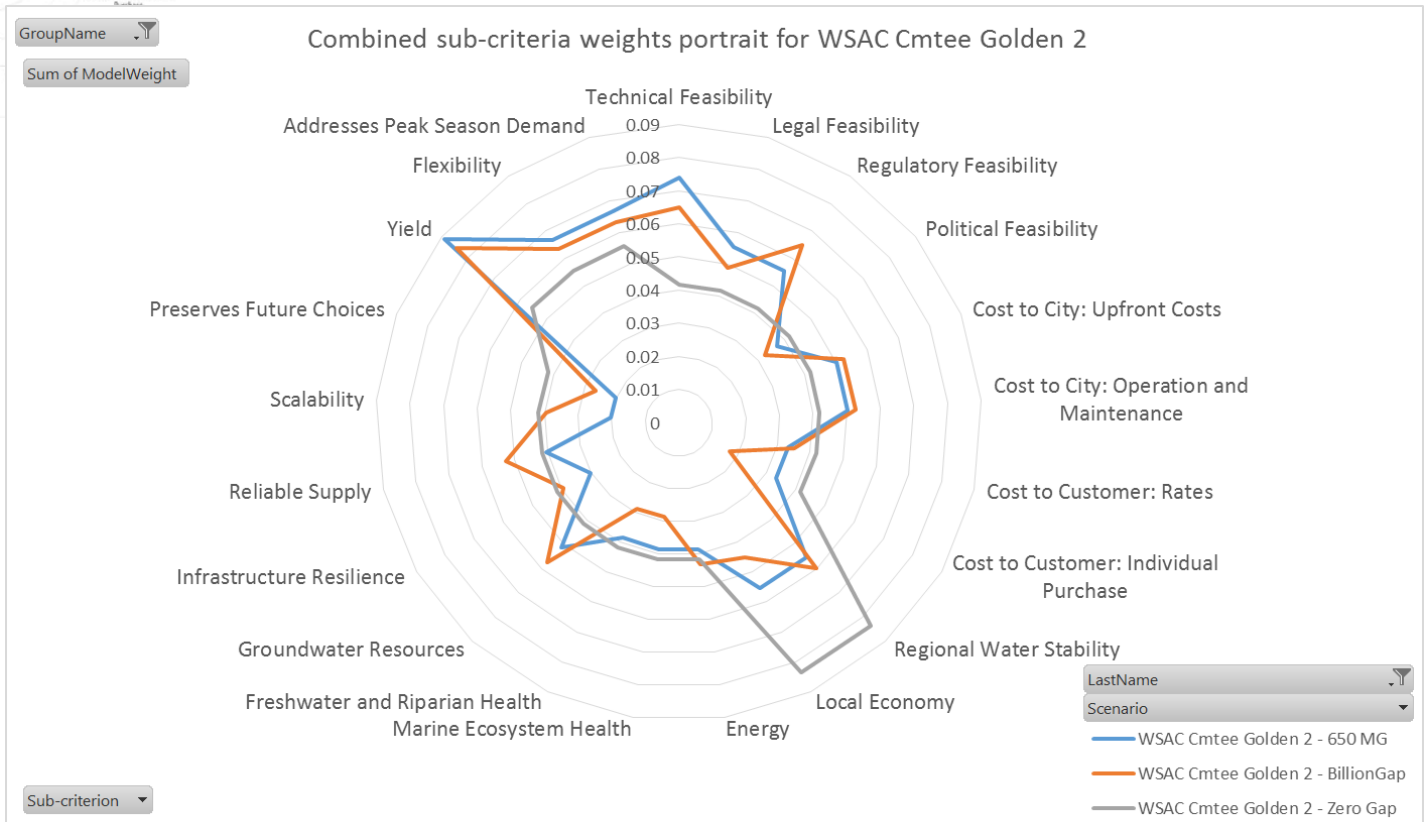
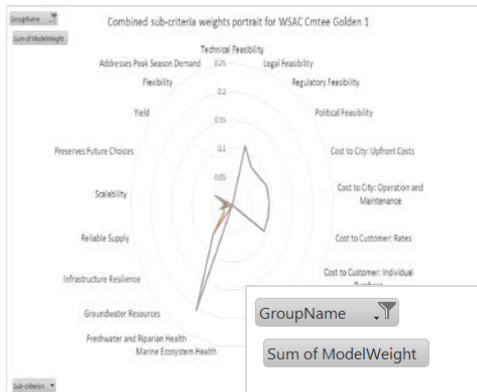



LastName 

Scenario 

- WSAC Cmtee Golden 1 - 650 MG
- WSAC Cmtee Golden 1 - BillionGap
- WSAC Cmtee Golden 1 - Zero Gap

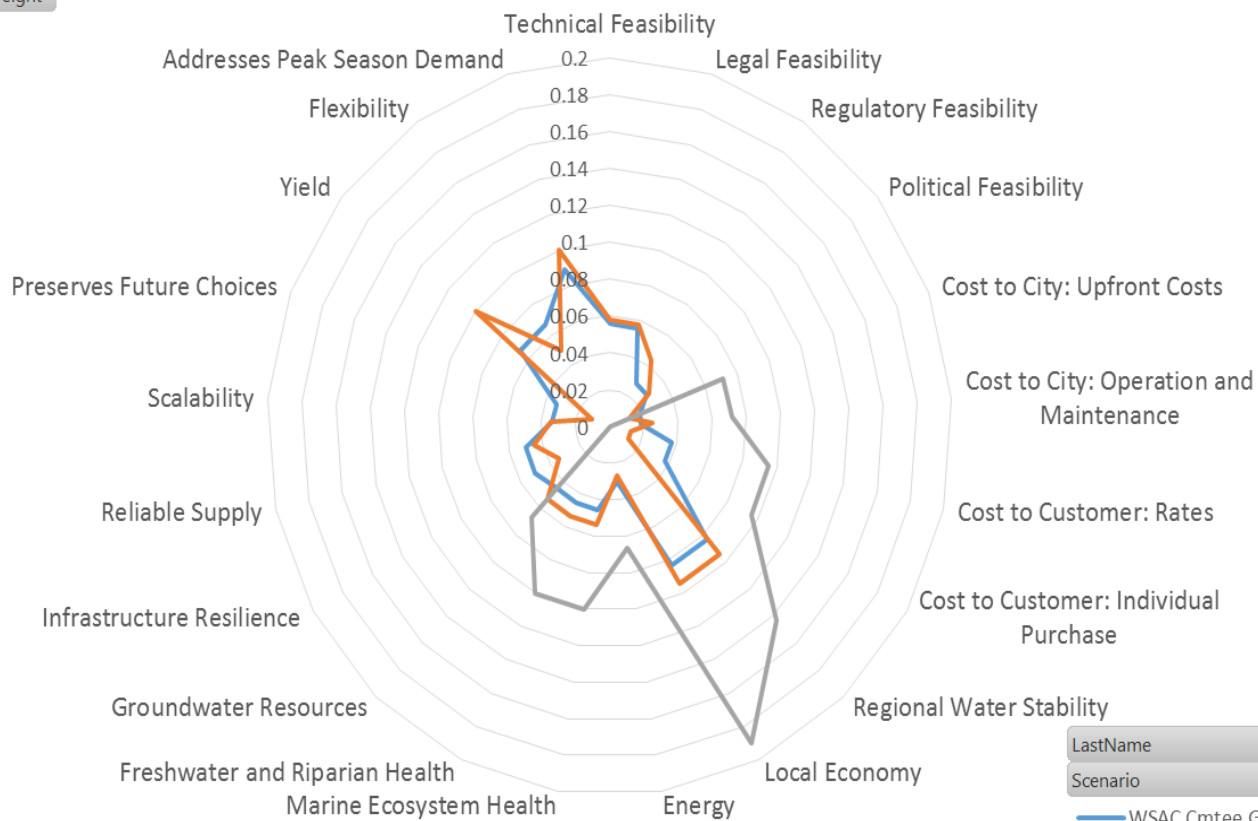
Sub-criterion 




GroupName 

Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 6




LastName 

Scenario 

— WSAC Cmtee Golden 6 - 650 MG

— WSAC Cmtee Golden 6 - BillionGap

— WSAC Cmtee Golden 6 - Zero Gap

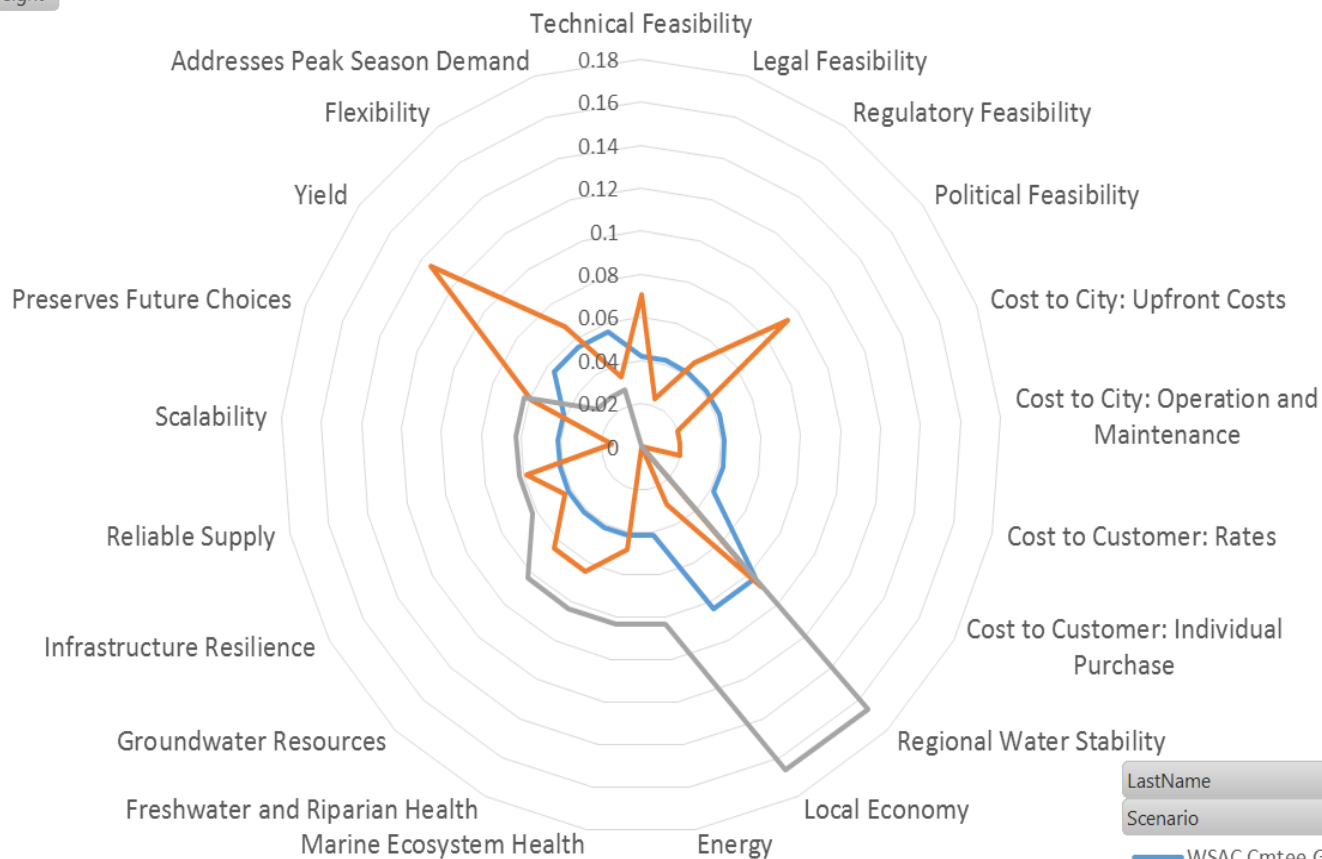
Sub-criterion 

GroupName



Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 8



LastName



Scenario

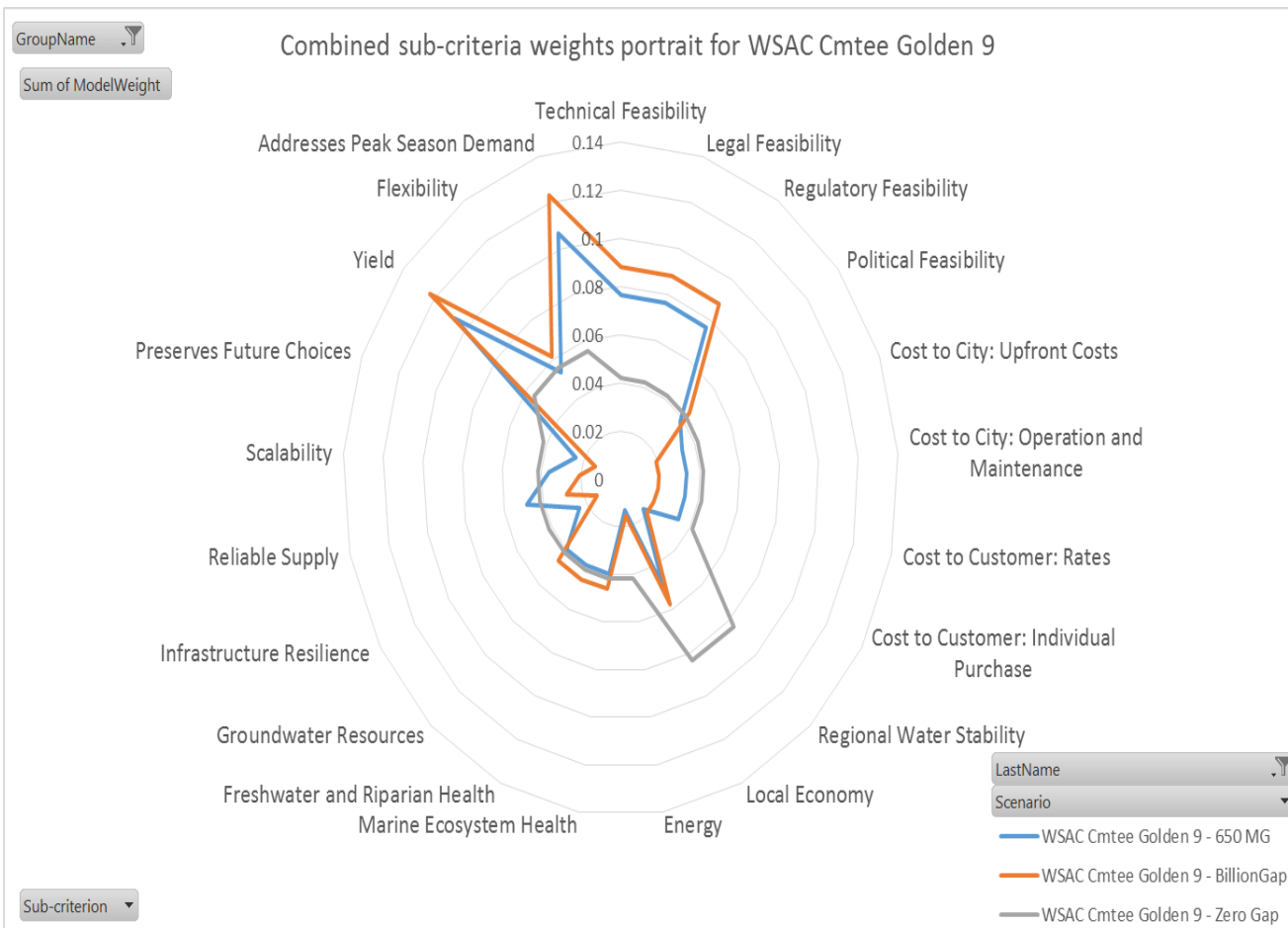


WSAC Cmtee Golden 8 - 650 MG

WSAC Cmtee Golden 8 - BillionGap

WSAC Cmtee Golden 8 - Zero Gap

Sub-criterion

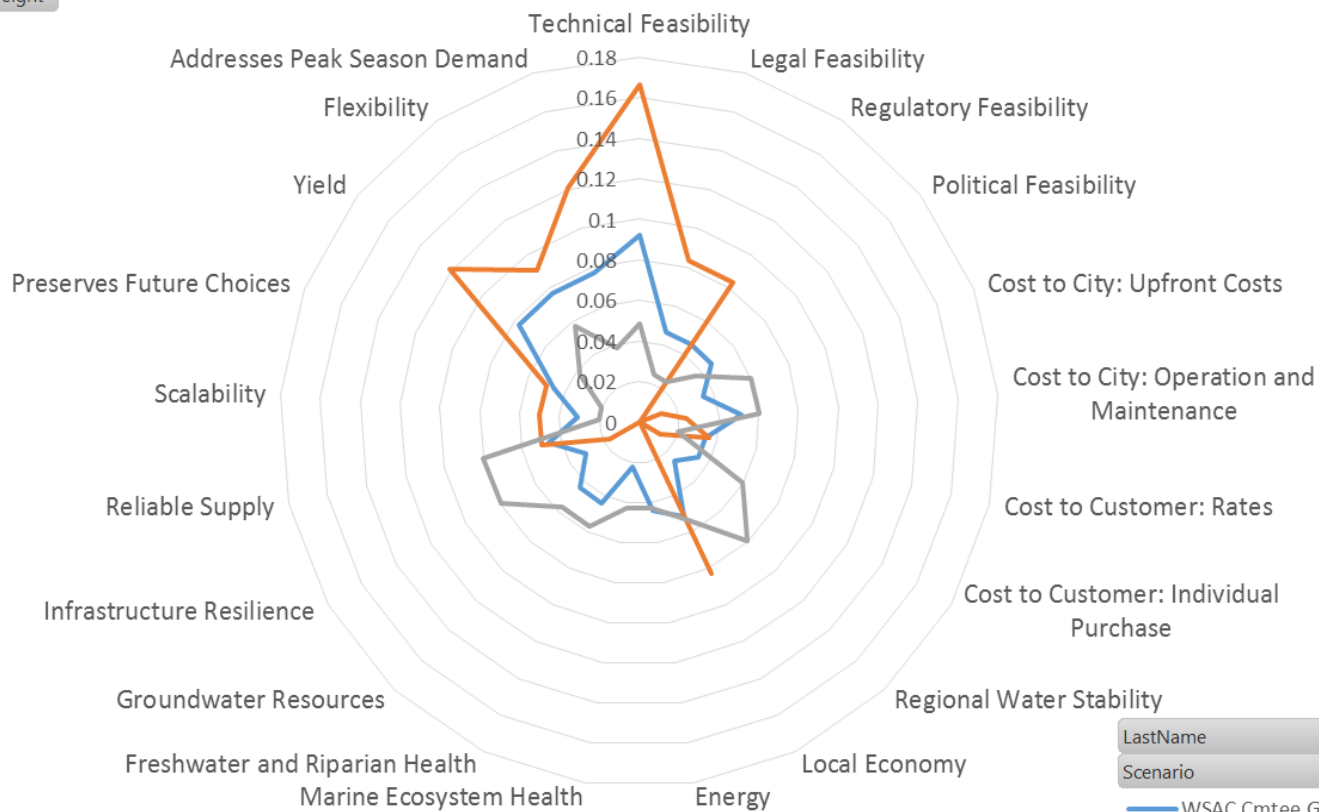


GroupName



Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 10



LastName



Scenario

- WSAC Cmtee Golden 10 - 650 MG
- WSAC Cmtee Golden 10 - BillionGap
- WSAC Cmtee Golden 10 - Zero Gap

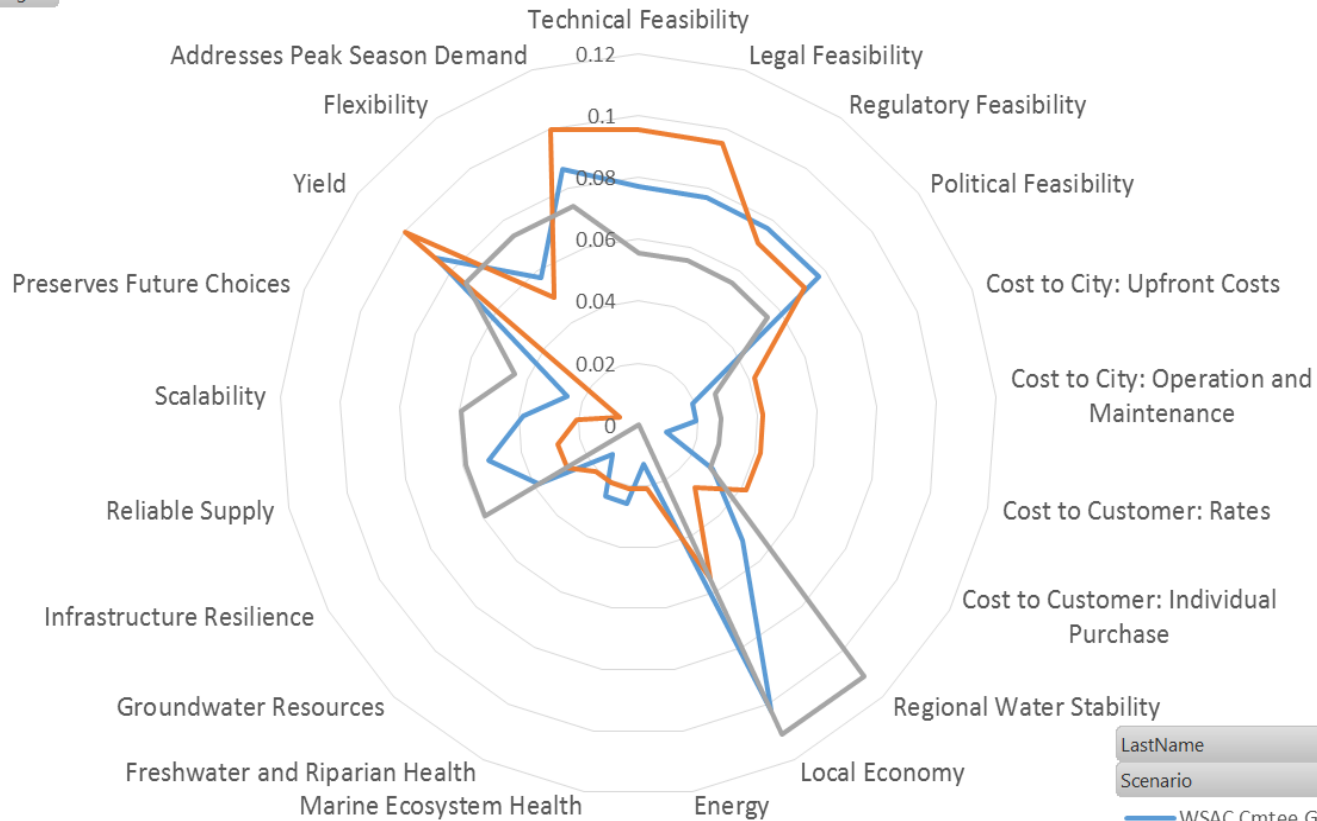
Sub-criterion

GroupName



Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 11



LastName



Scenario



WSAC Cmtee Golden 11 - 650 MG

WSAC Cmtee Golden 11 - BillionGap

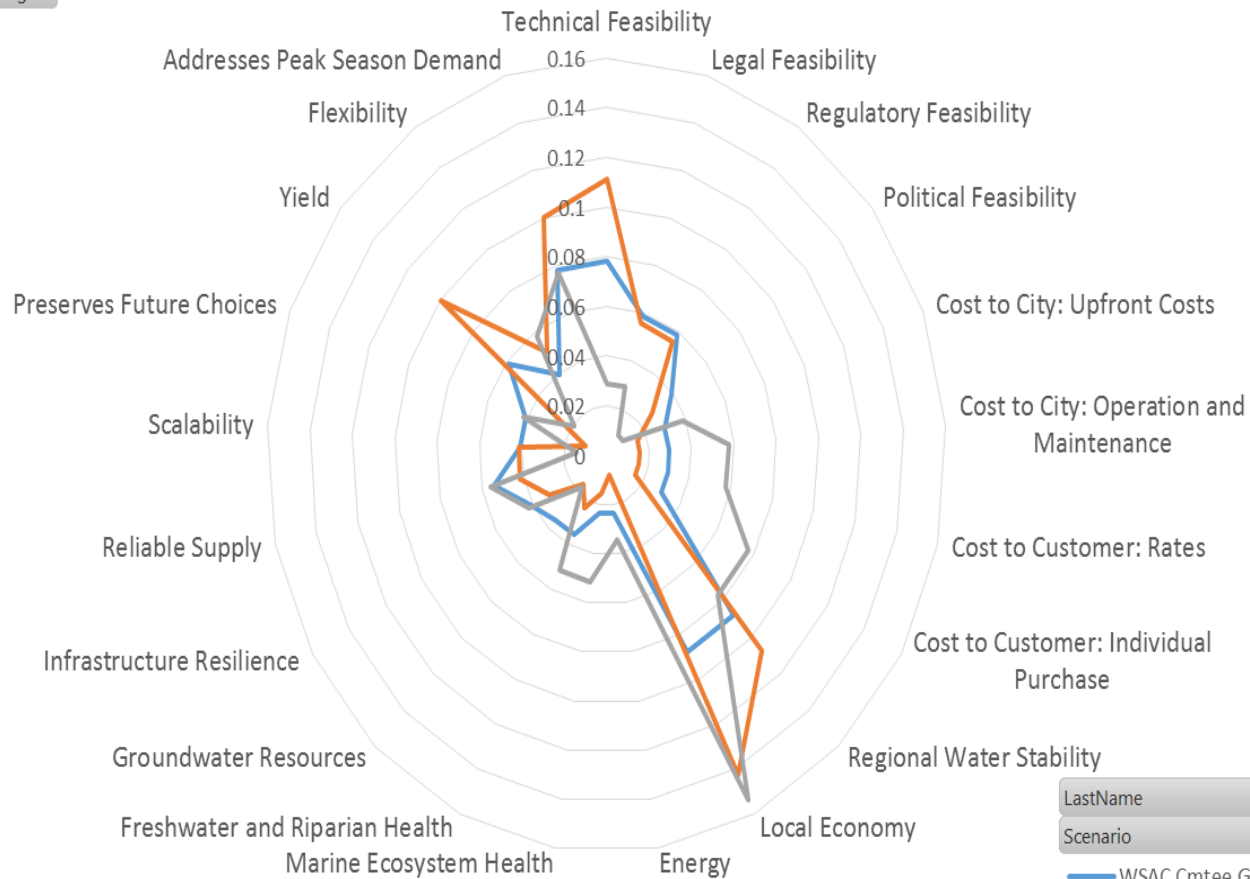
WSAC Cmtee Golden 11 - Zero Gap

Sub-criterion

GroupName

Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 19



LastName

Scenario

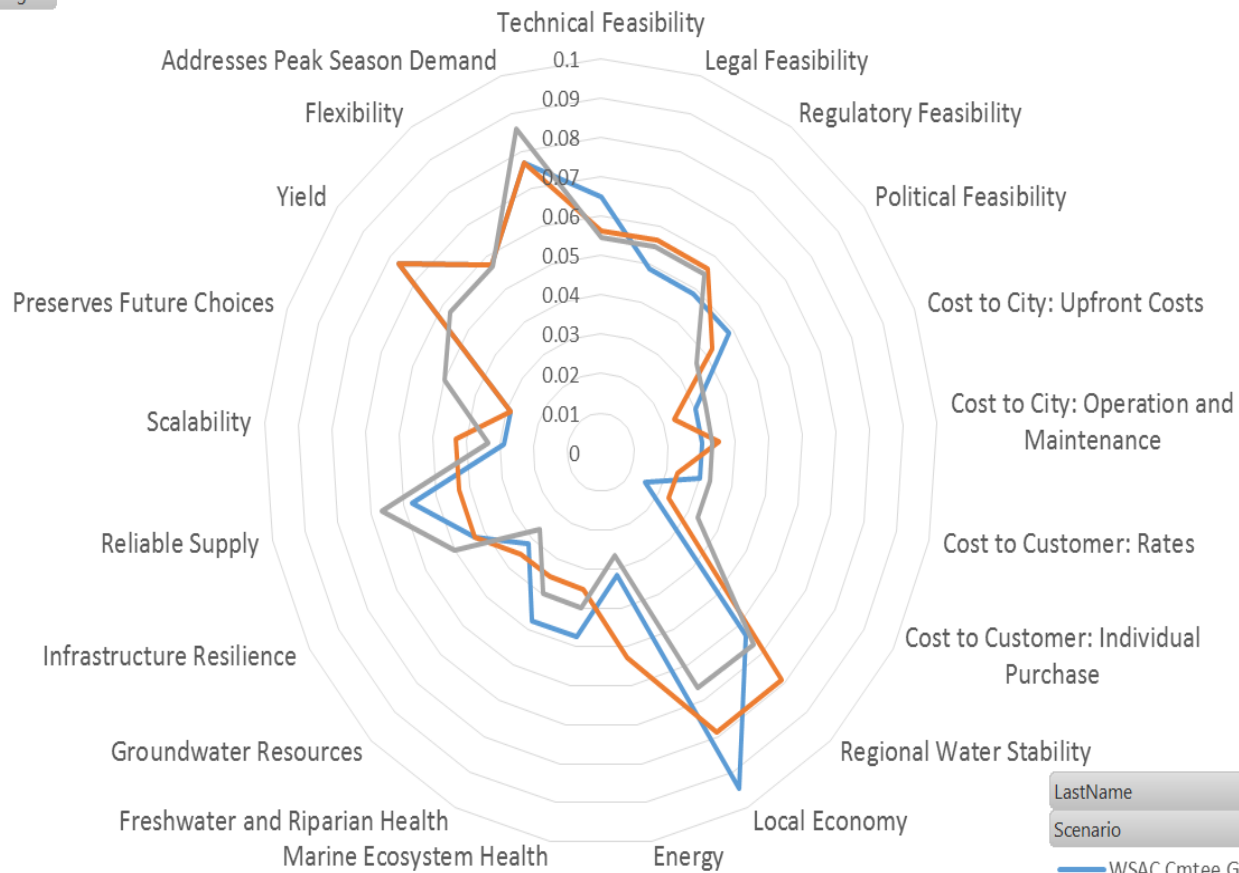
- WSAC Cmtee Golden 19 - 650 MG
- WSAC Cmtee Golden 19 - BillionGap
- WSAC Cmtee Golden 19 - Zero Gap

Sub-criterion

GroupName

Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 21



LastName

Scenario

WSAC Cmtee Golden 21 - 650 MG

WSAC Cmtee Golden 21 - BillionGap

WSAC Cmtee Golden 21 - Zero Gap

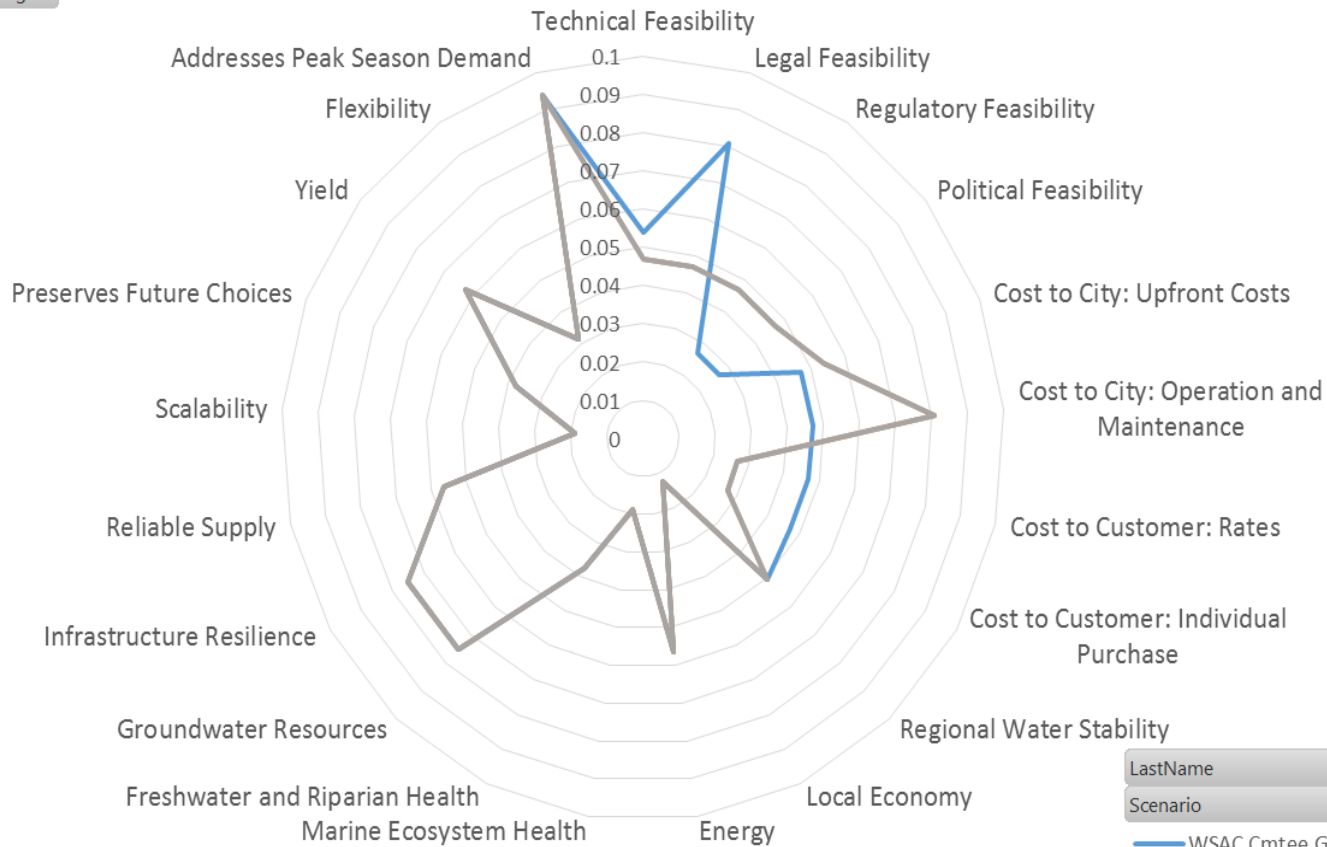
Sub-criterion

GroupName



Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 22



LastName



Scenario



- WSAC Cmtee Golden 22 - 650 MG
- WSAC Cmtee Golden 22 - BillionGap
- WSAC Cmtee Golden 22 - Zero Gap

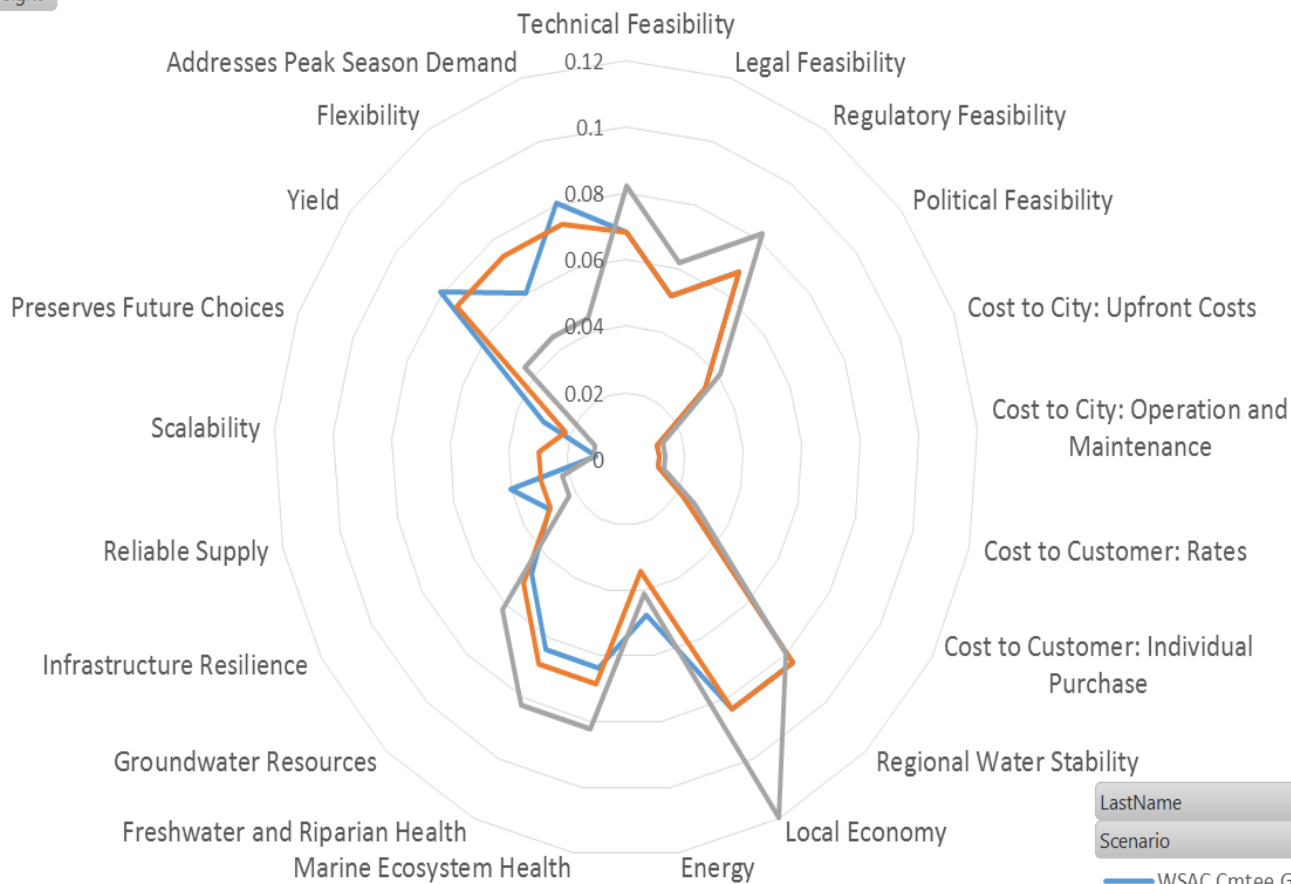
Sub-criterion

GroupName



Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 23



LastName



Scenario



WSAC Cmtee Golden 23 - 650 MG

WSAC Cmtee Golden 23 - BillionGap

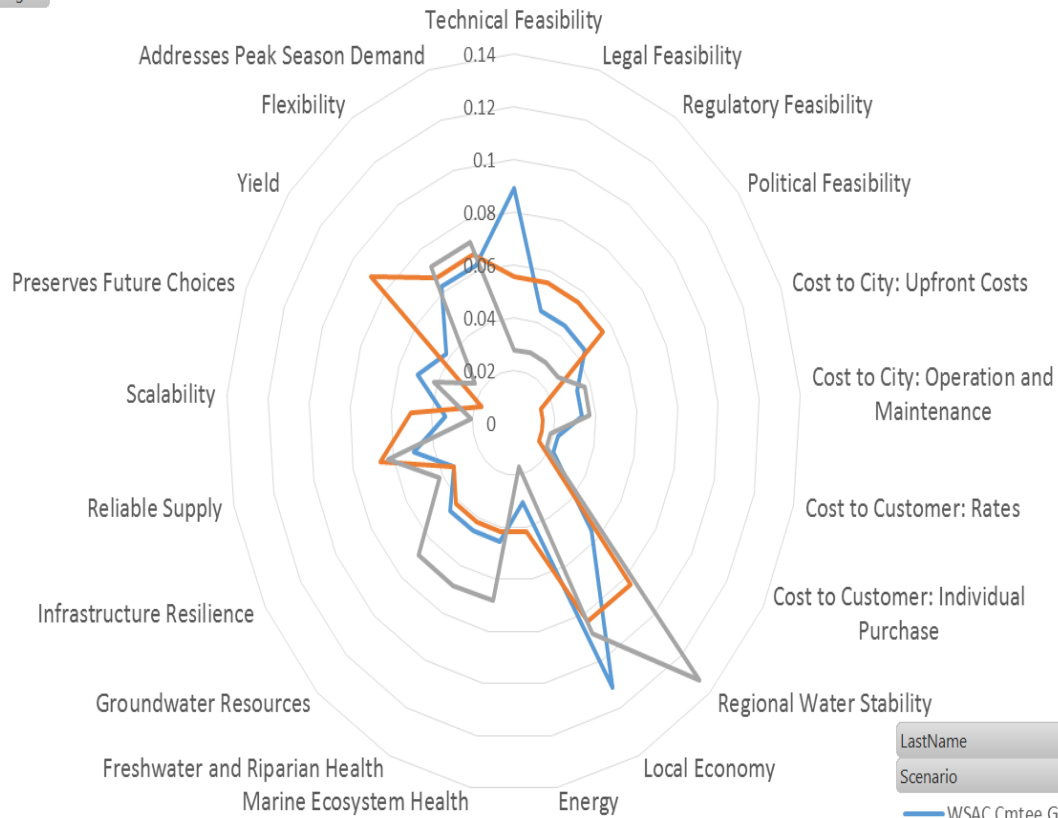
WSAC Cmtee Golden 23 - Zero Gap

Sub-criterion

GroupName

Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 24



LastName

Scenario

WSAC Cmtee Golden 24 - 650 MG

WSAC Cmtee Golden 24 - BillionGap

WSAC Cmtee Golden 24 - Zero Gap

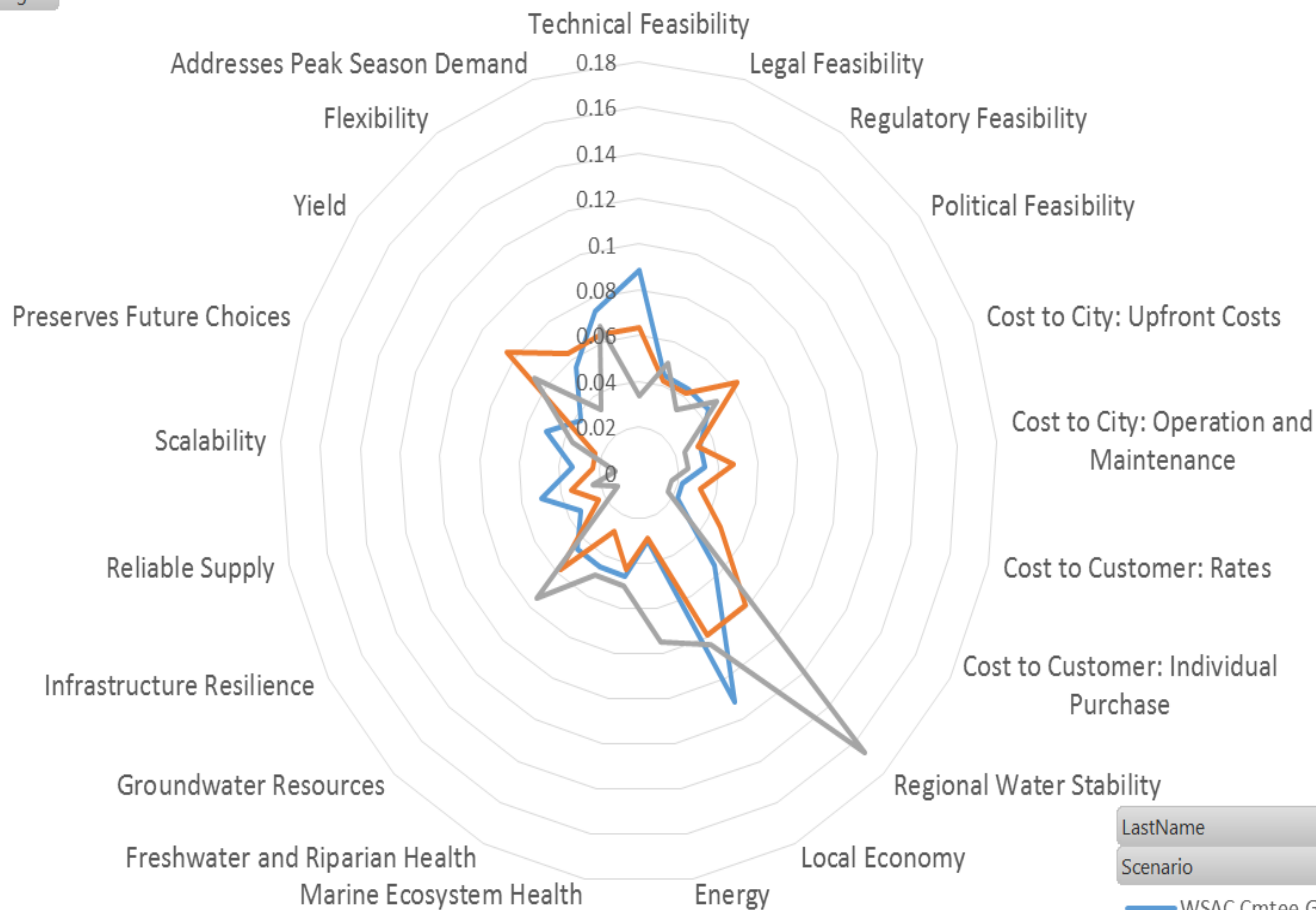
Sub-criterion

GroupName



Sum of ModelWeight

Combined sub-criteria weights portrait for WSAC Cmtee Golden 25



LastName



Scenario



WSAC Cmtee Golden 25 - 650 MG

WSAC Cmtee Golden 25 - BillionGap

WSAC Cmtee Golden 25 - Zero Gap

Sub-criterion

Recap

- did a good job; showed your individual values and thinking
- made changes across scenarios can see major weights variability areas—worth hashing out
- can see things that were weighed higher (or lower!) and x scenario
- negative space on the portraits
- ogling the portraits

Questions?

- Shift from community well-being to yield
- Resilience and Preserves Future Choices...
- Our favorite: local economy!

How Good So Far?

- Supports Recon Goals
 - Understand one's values and others'
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 - Compare uncertainty and variance in the ratings
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Now for the Ratings

(fear not, this is 'easier!')

- What we'll cover:

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 - Your variance in re-ratings

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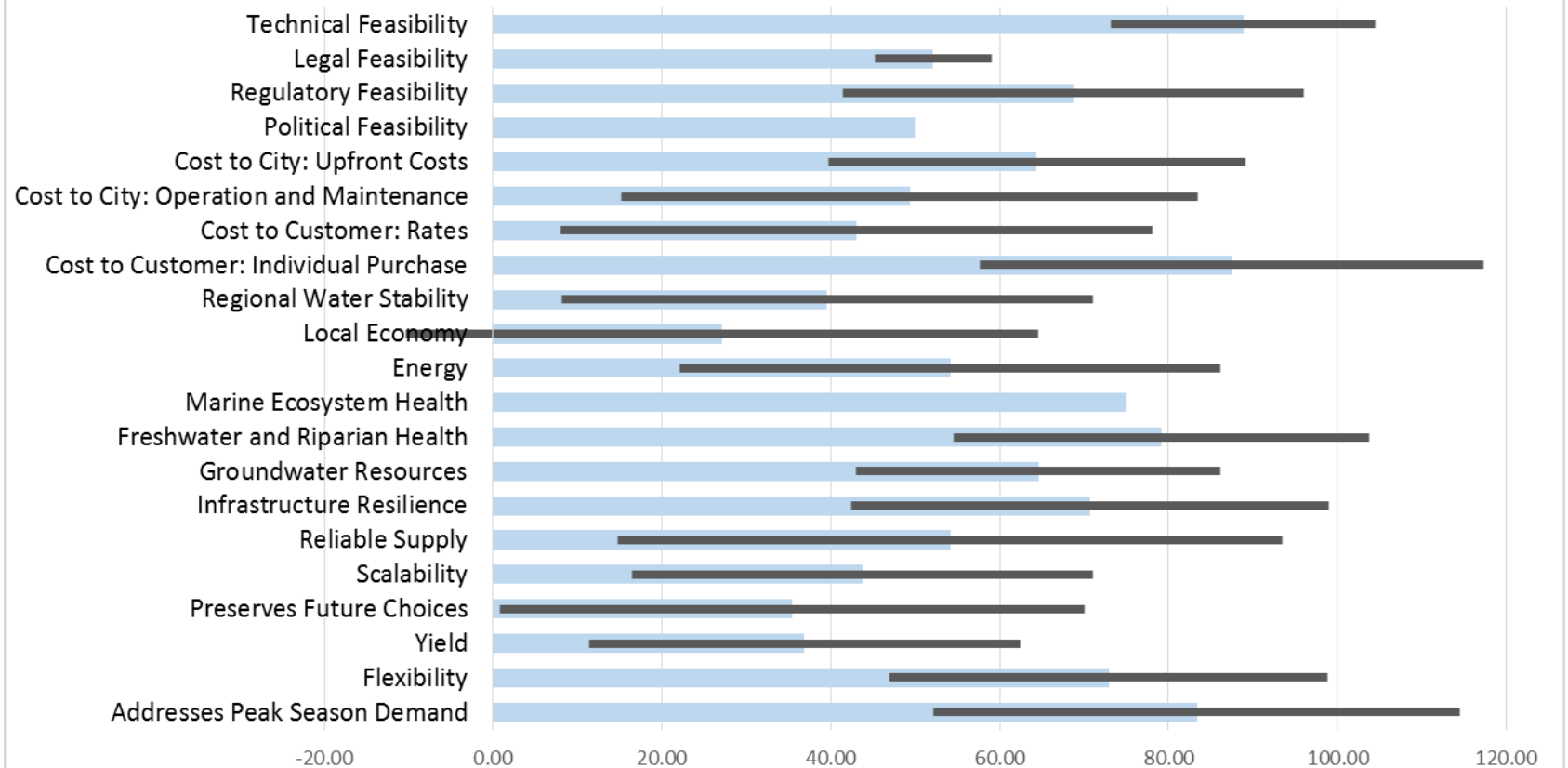
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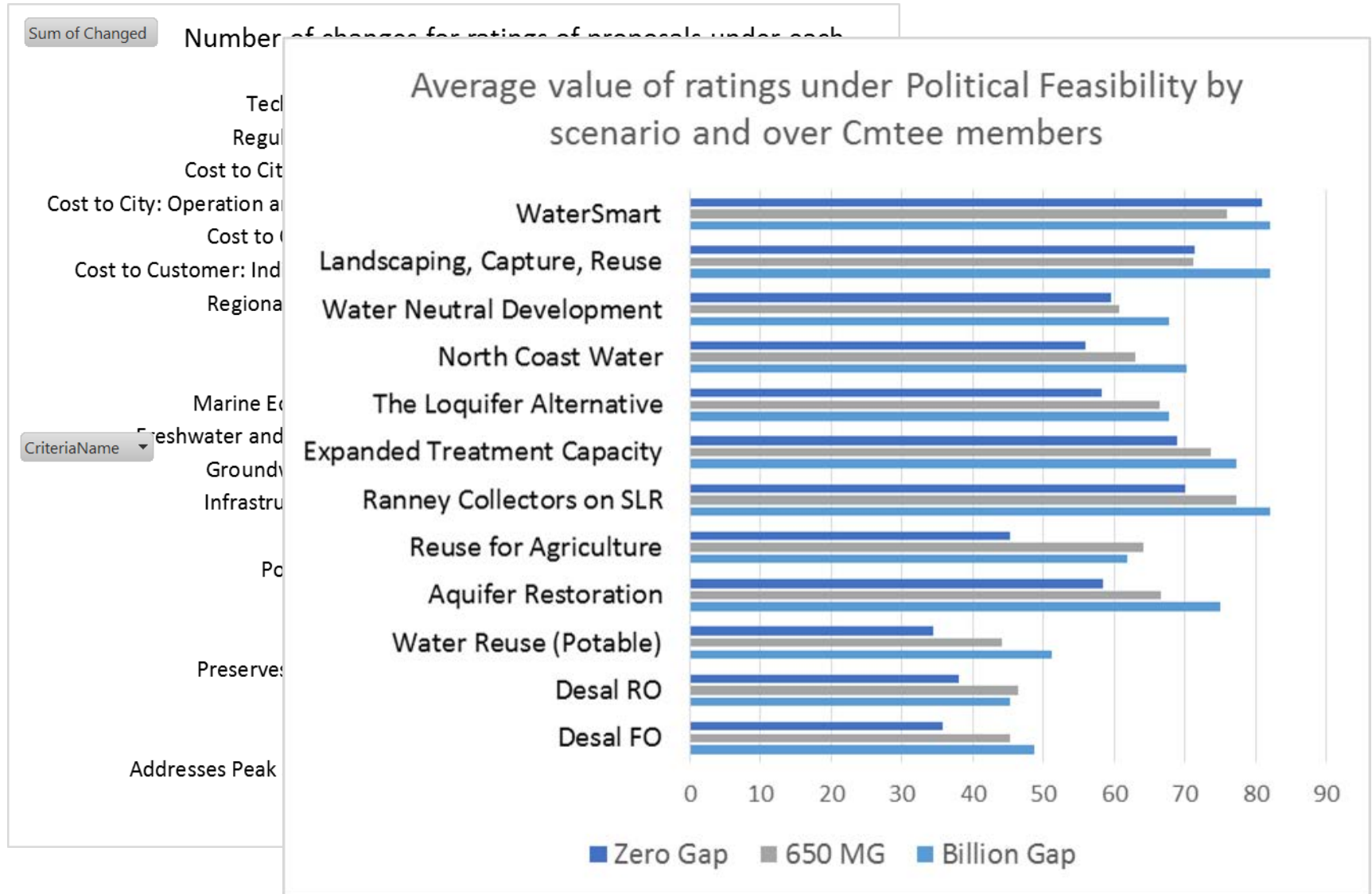
(fear not, this is 'easier!')

- What we'll cover:
 - How you rated political feasibility
 - How you reacted to the City's ratings
 - Your variance in re-ratings
 - Your obvious sticking points (just based on the ratings)

variation in Original Ratings across scenarios and alternatives



Political Feasibility



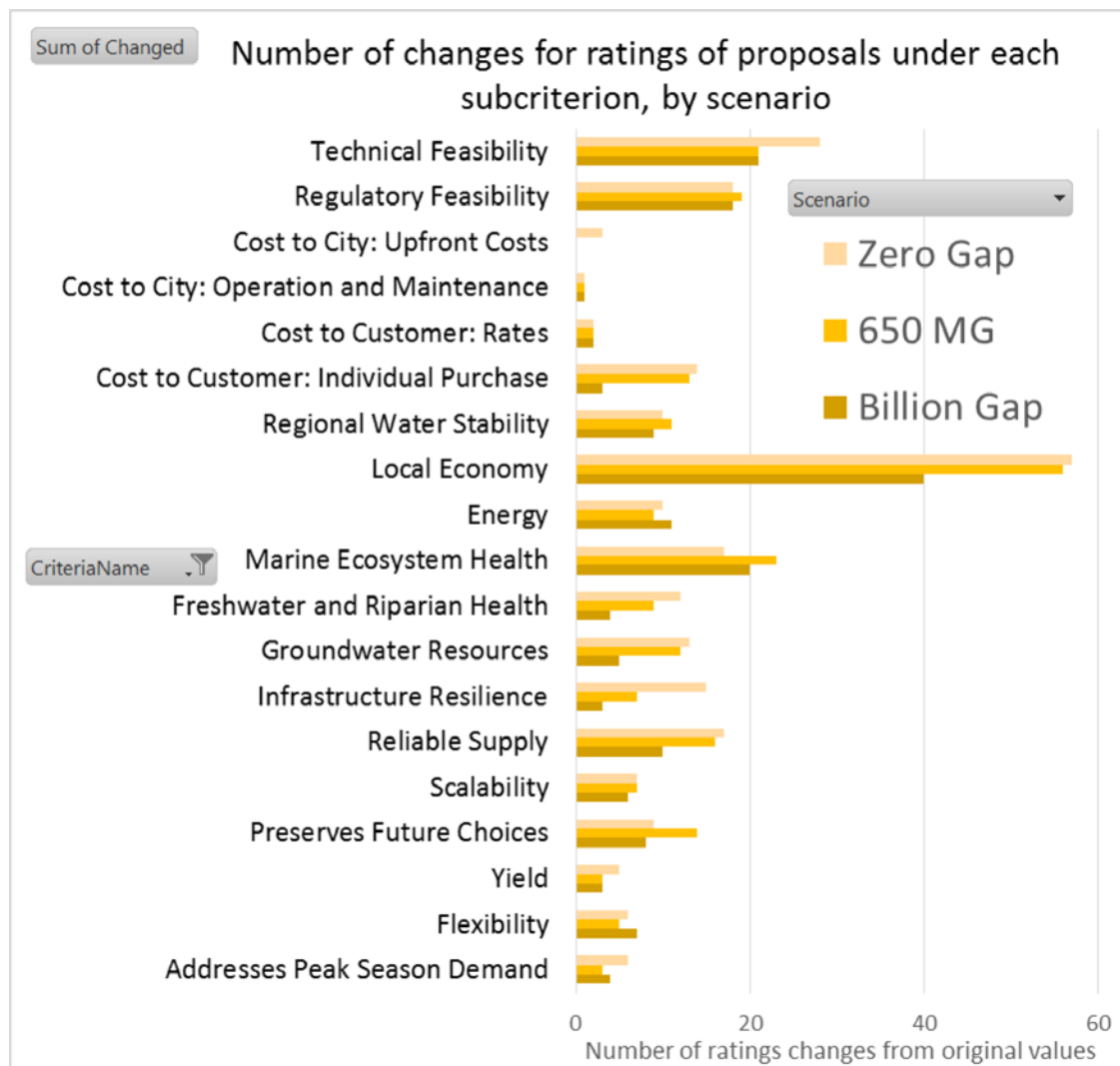
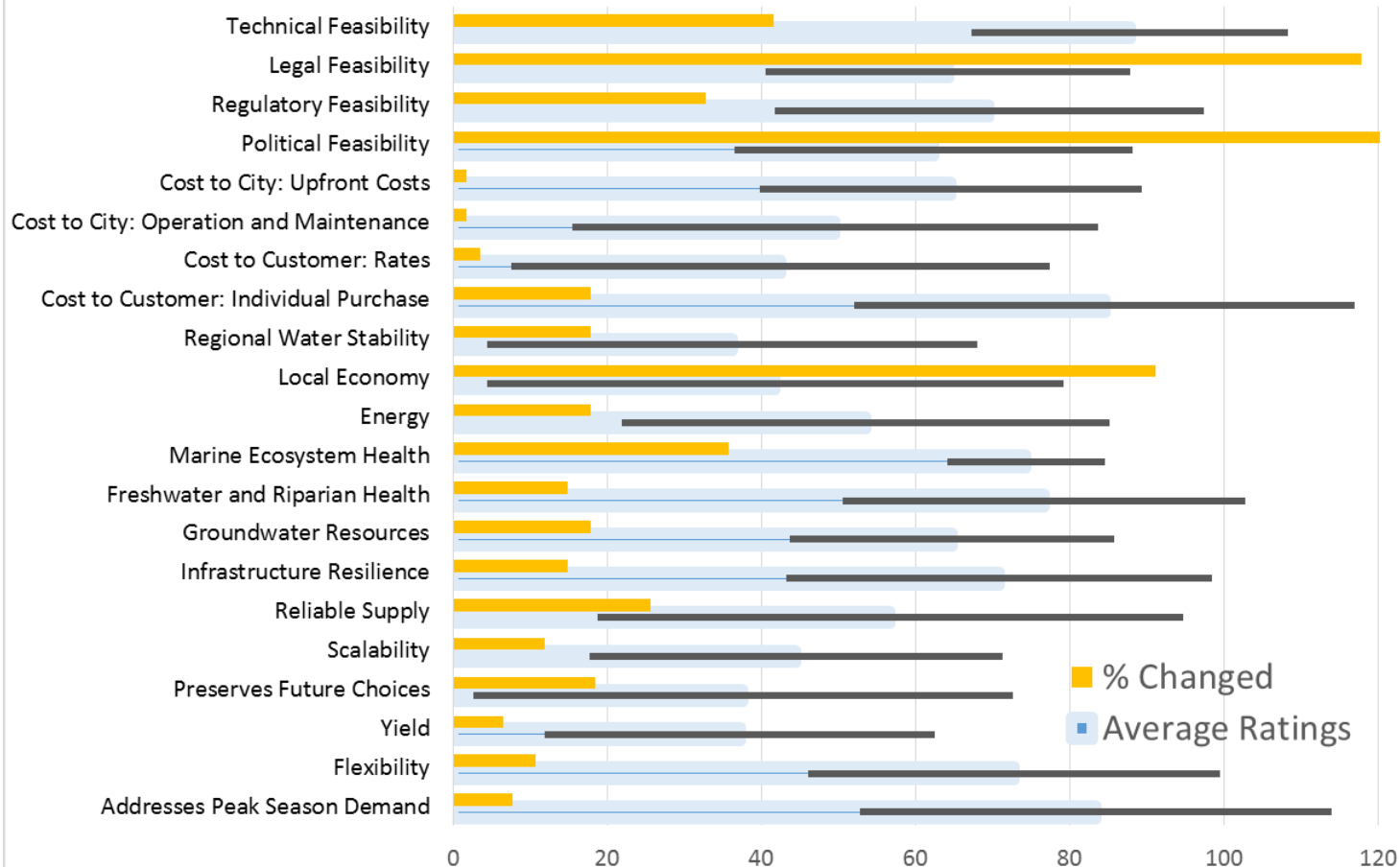
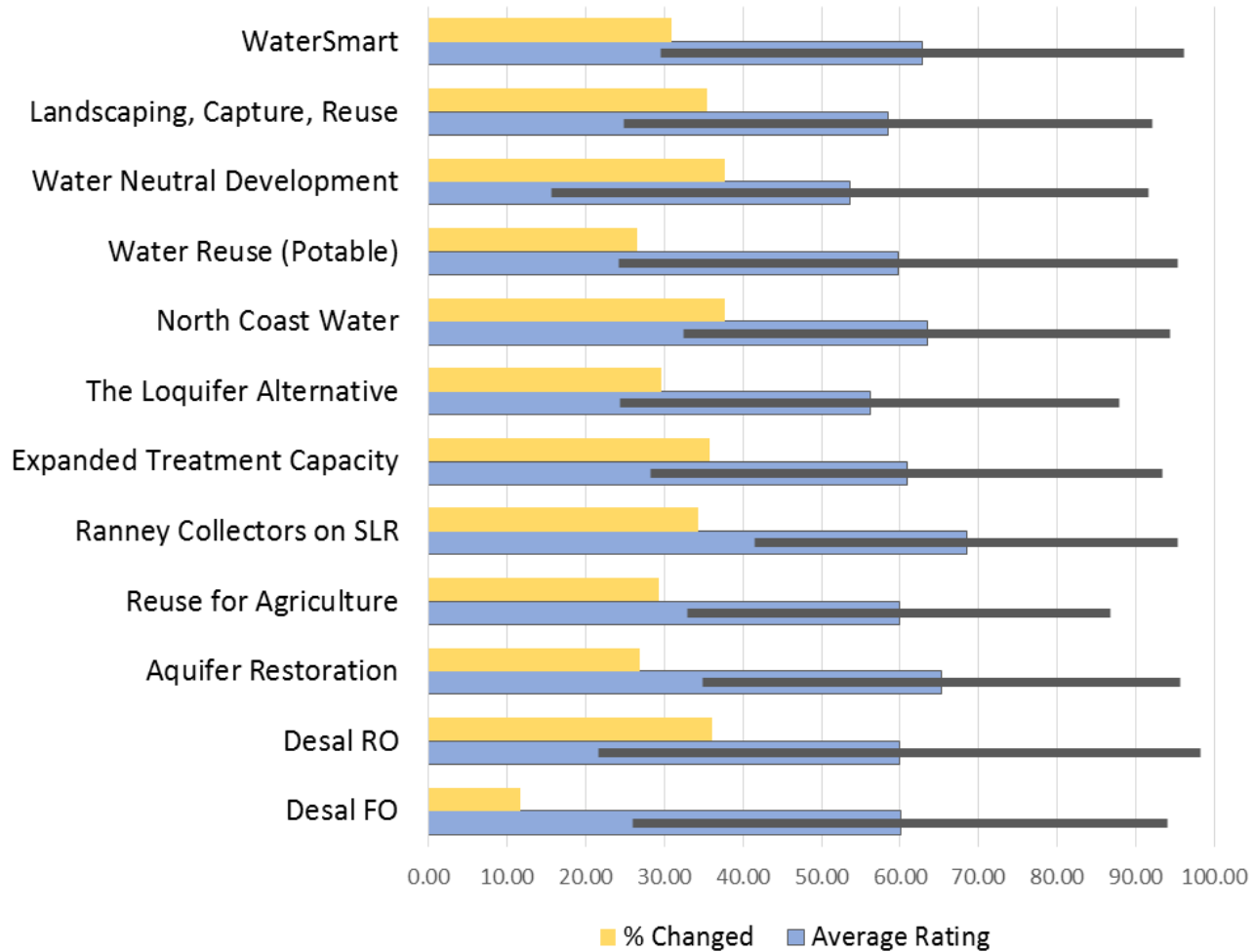


Figure VII.1: Which Criteria Were Changed the Most, by Scenario

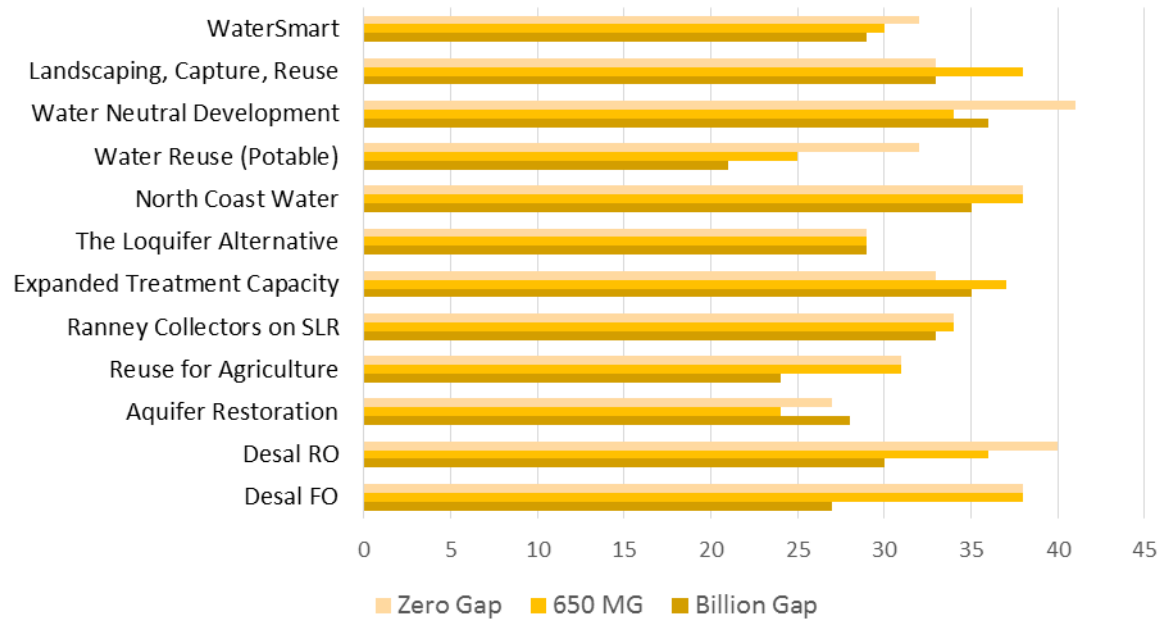
Spread in ratings across all scenarios, alternatives and Cmtee Members



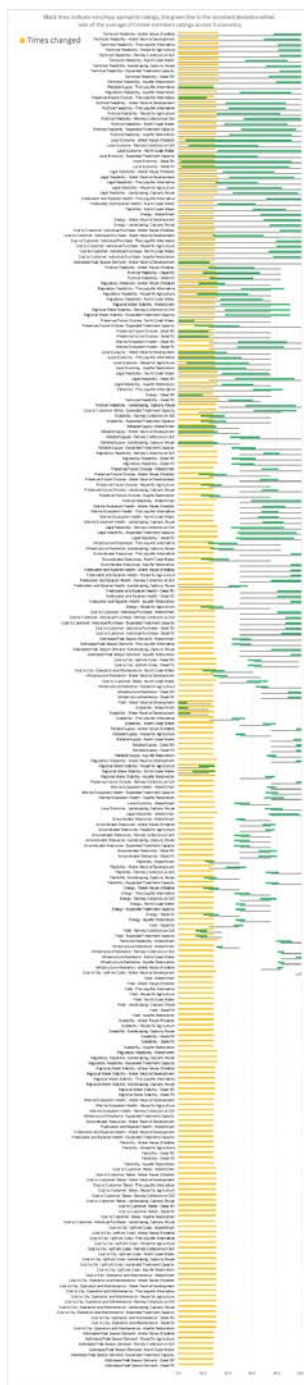
Variance around average ratings across all scenarios, Cmtee
Members and subcriteria (Max 100)



Number of changes observed in ratings across Cmtee members and subcriteria



The graph of all graphs



Technical Feasibility - Water Reuse (Potable)
 Technical Feasibility - Water Neutral Development
 Technical Feasibility - The Loquifer Alternative
 Technical Feasibility - Reuse for Agriculture
 Technical Feasibility - Ranney Collectors on SLR
 Technical Feasibility - North Coast Water
 Technical Feasibility - Landscaping, Capture, Reuse
 Technical Feasibility - Expanded Treatment Capacity
 Technical Feasibility - Desal RO
 Technical Feasibility - Aquifer Restoration
 Reliable Supply - The Loquifer Alternative
 Regulatory Feasibility - Aquifer Restoration
 Preserves Future Choices - The Loquifer Alternative
 Political Feasibility - Water Neutral Development
 Political Feasibility - The Loquifer Alternative
 Political Feasibility - Reuse for Agriculture



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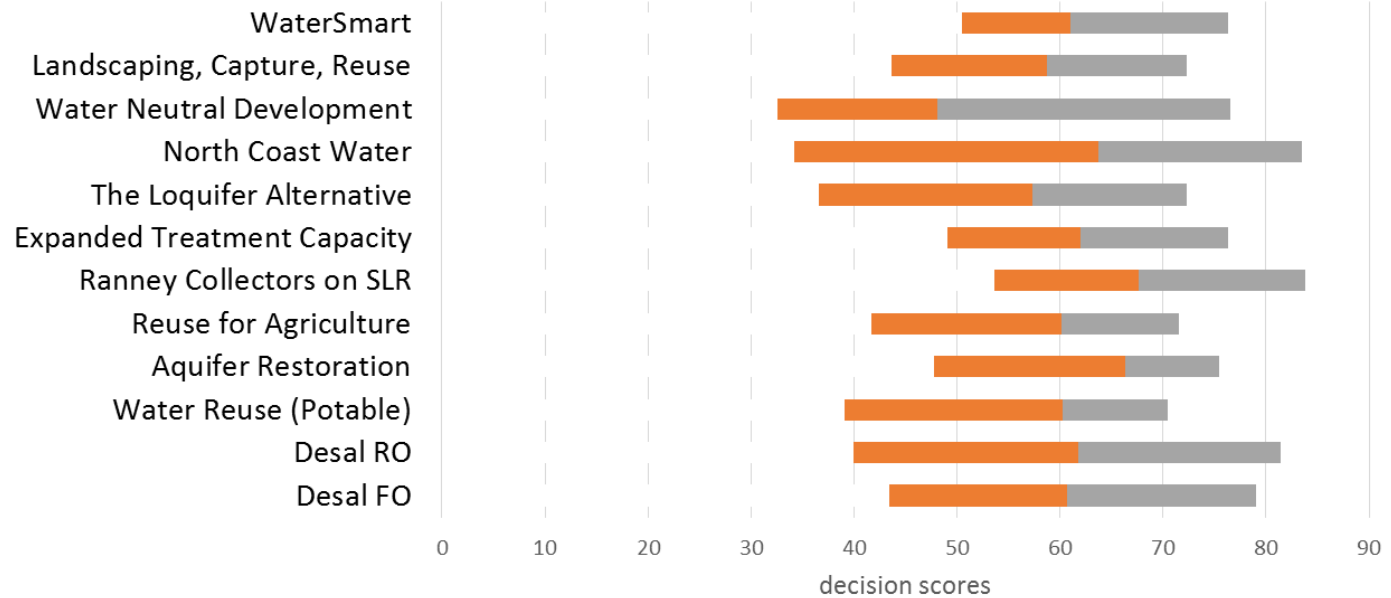
Now About Decision Scores

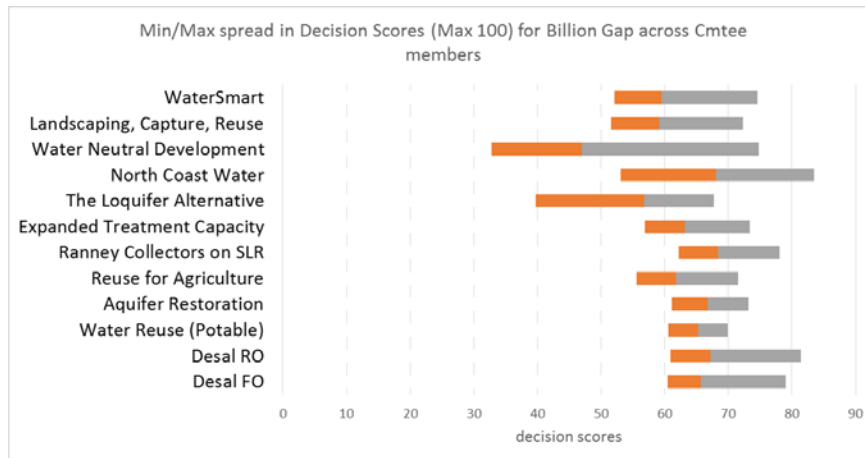
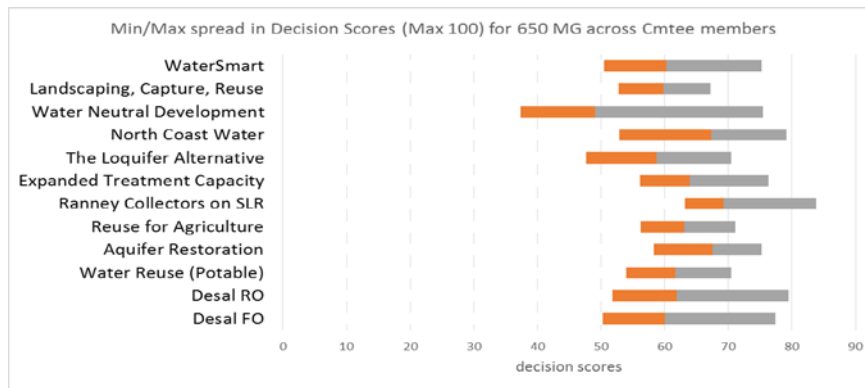
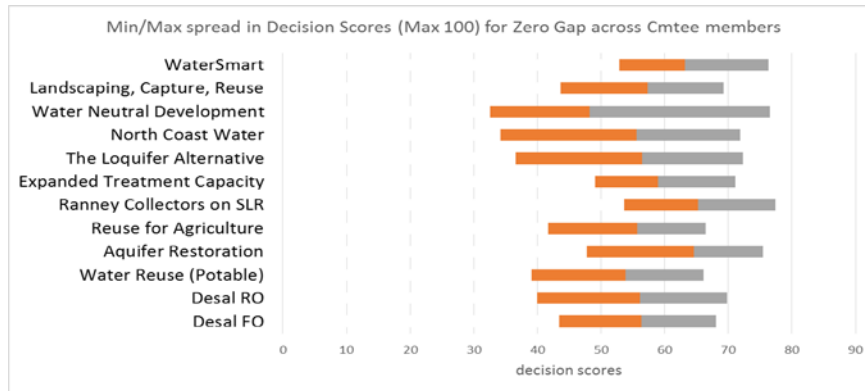
Combining Weights and Ratings:

Decision Scores

- Why Does this Matter? (*Discussion*)

Min/Max spread in Decision Scores (Max 100) across scenarios and Cmtee members



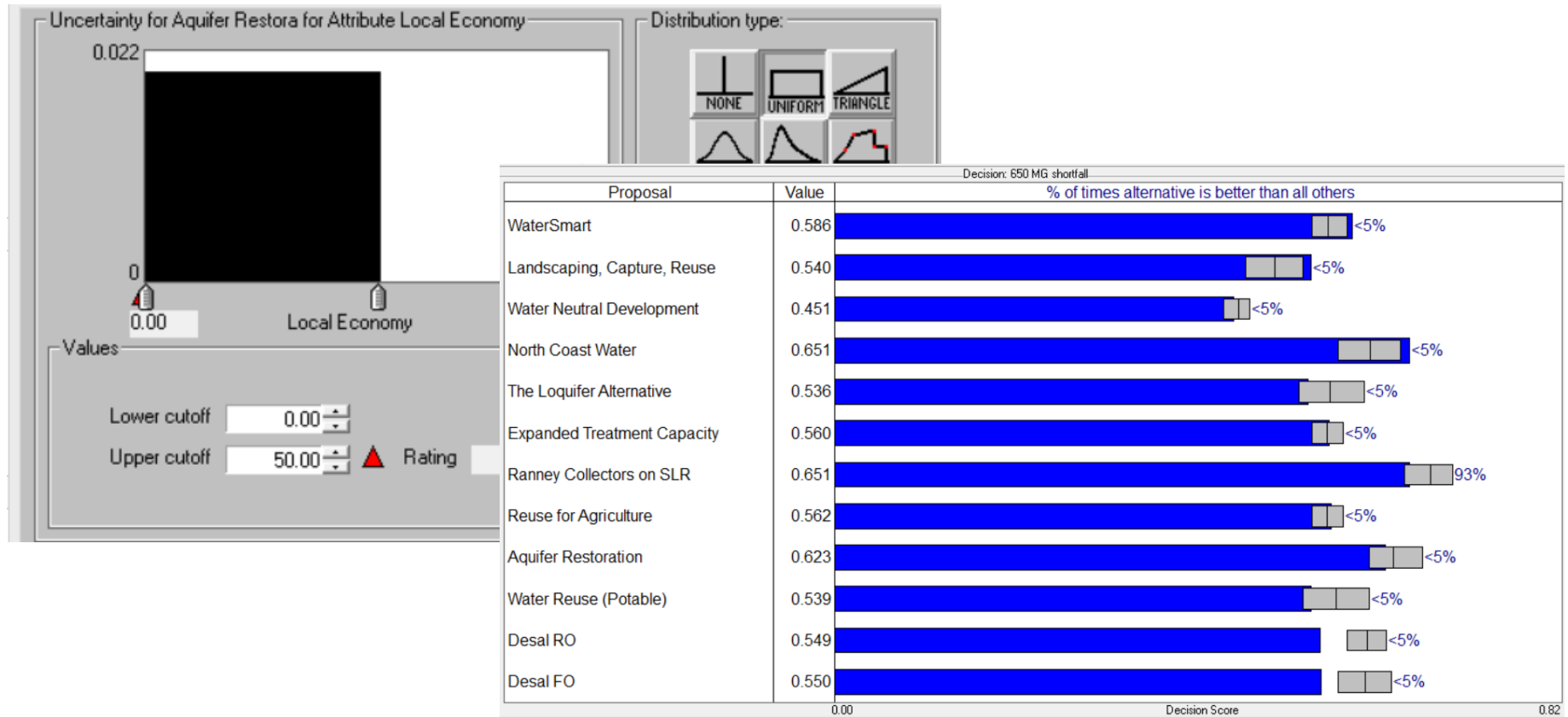


Decision Scores

What did they do for you?

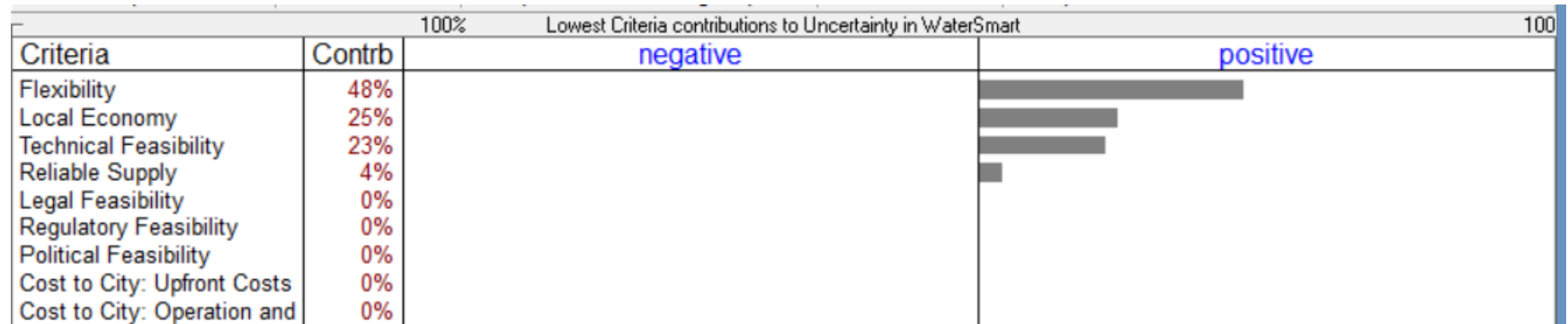
- Understand the approaches before ‘losing’ some of their detail in portfolios
- Is the interaction between weights and ratings more clear?
- Other.... ours...

Using uncertainty to prioritize Research/Analysis

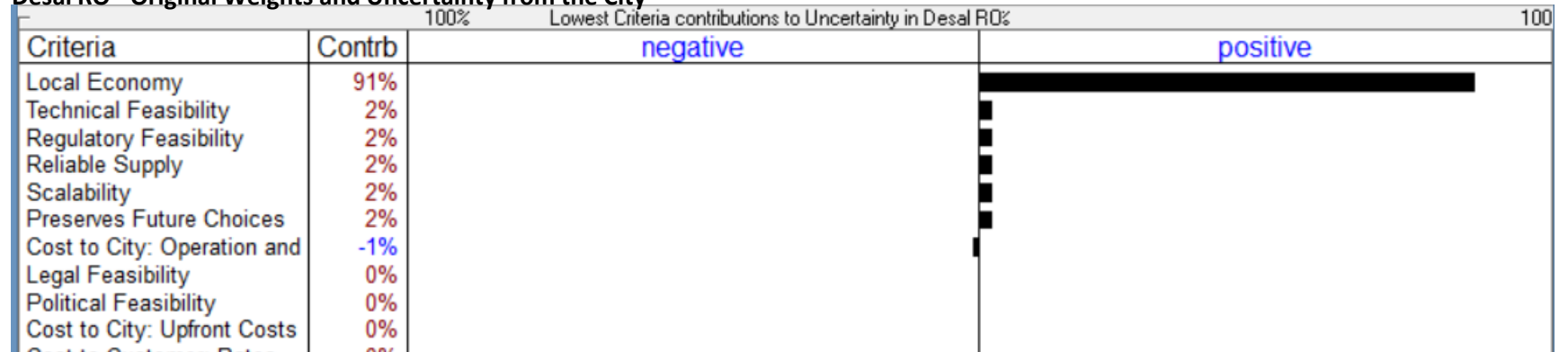


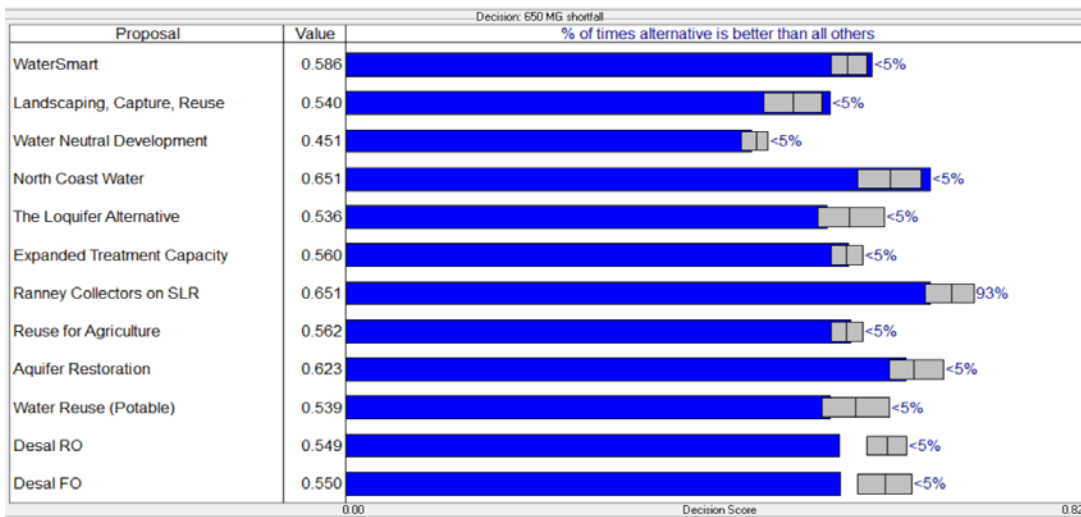
What is driving overall uncertainty?

Watersmart – Original Weights and Uncertainty from the City

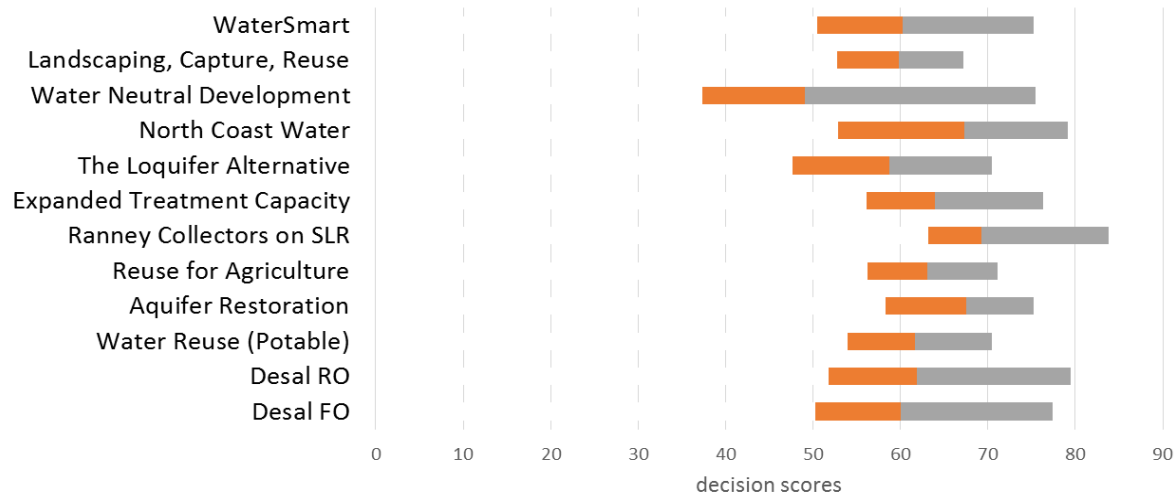


Desal RO - Original Weights and Uncertainty from the City

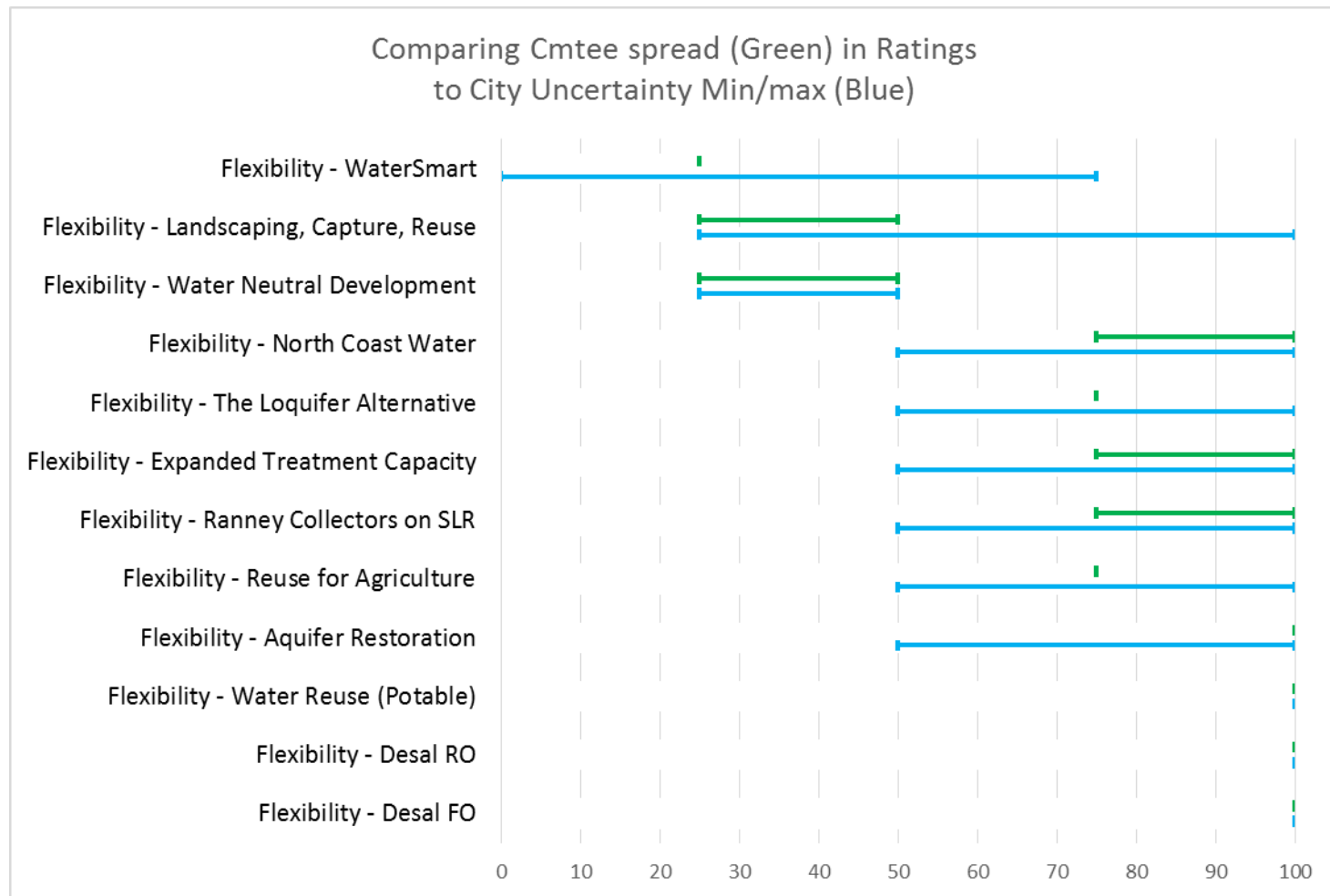




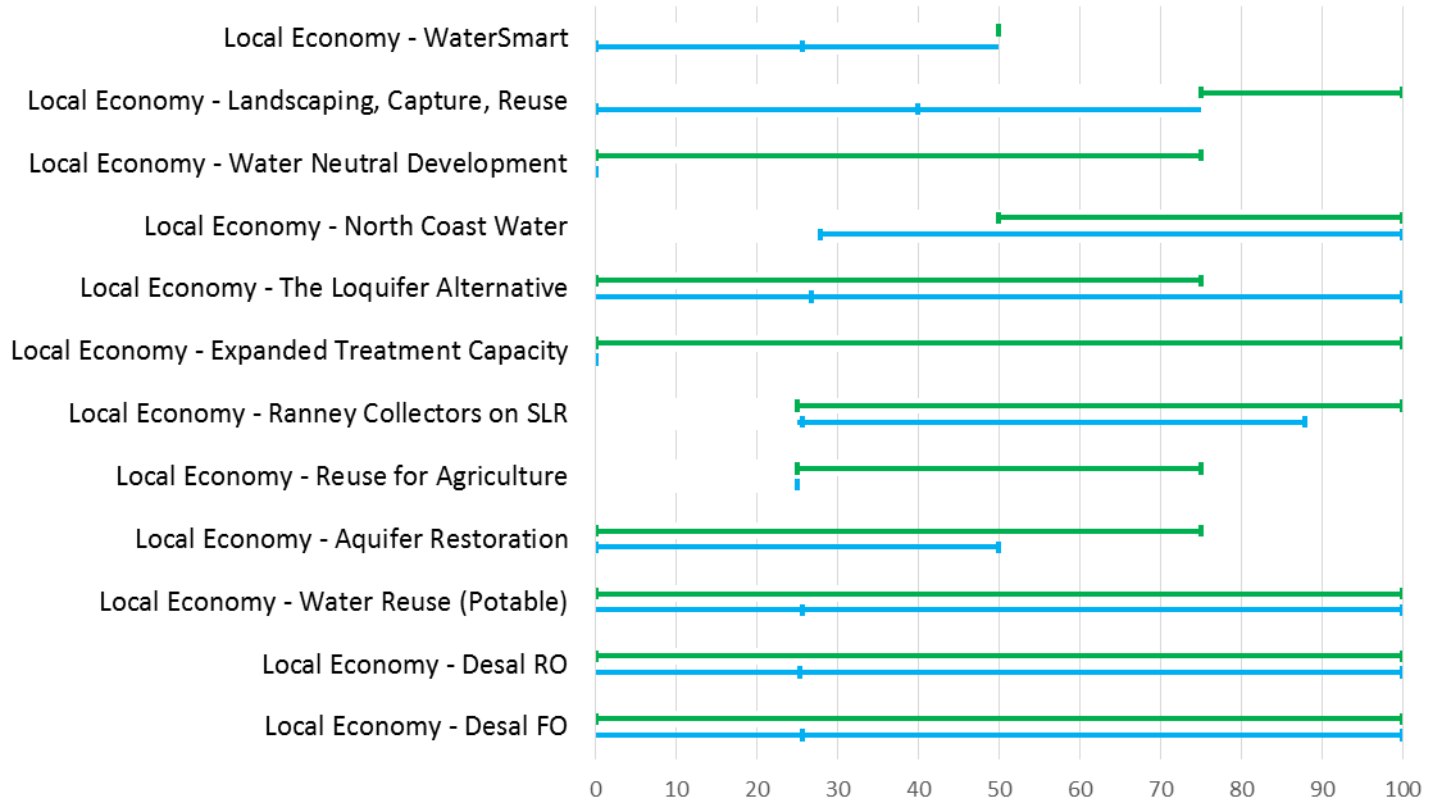
Min/Max spread in Decision Scores (Max 100) for 650 MG across Cmtee members



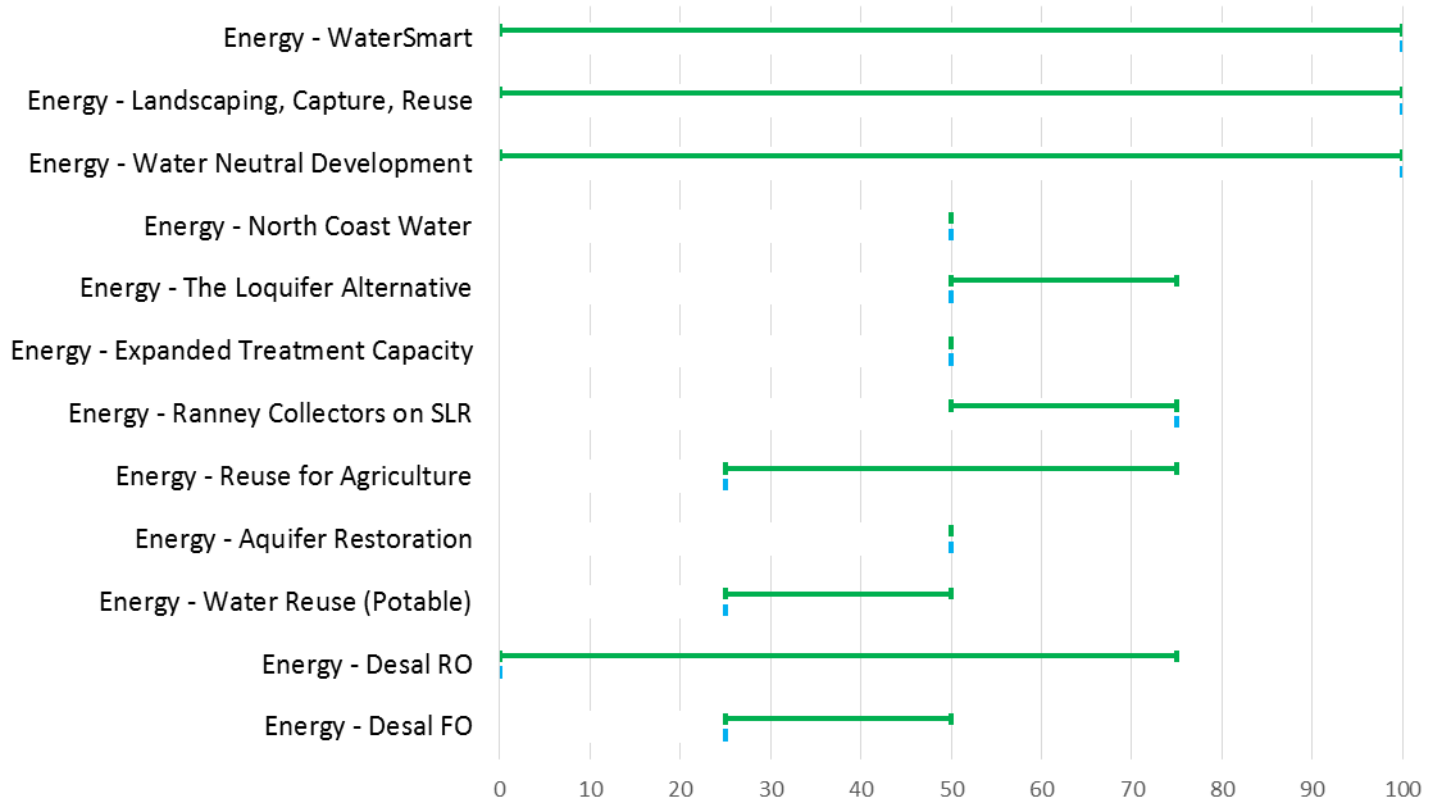
Flexibility: how to City's uncertainty and Cmtee's ratings spread compare



Comparing Cmtee spread (Green) in Ratings
to City Uncertainty Min/max (Blue)



Comparing Cmtee spread (Green) in Ratings
to City Uncertainty Min/max (Blue)



Suggestion for proceeding

- For all ratings, take broader spread from City Uncertainty and Cmtee ratings > New Uncertainty
- Take 2-3 “characterists” weights portraits and generate analysis of contributions to uncertainty
- Tabulate which uncertainty in ratings drive the most uncertainty in outcomes > basis for prioritizing effort

Thank you!

Extra Slides

The average ratings for each subcriterion across all proposals and Cmtee members by each scenario

