



TIP Criteria Revisions: Clean Air and Sustainable Communities

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Today's Presentation

- **Goals for today**
- **Framing the conversation**
- **Summary of feedback**
- **Proposed changes to current criteria**
- **Next steps**
- **Discussion**

Goals for Today

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1. **Provide feedback on general direction of Clean Air and Sustainable Communities criteria**
2. **Suggest additional changes or other topics for further exploration within this goal area**
3. **Set the stage for today's discussion of Equity criteria**

Framing the Conversation

Framing the Conversation: Principles

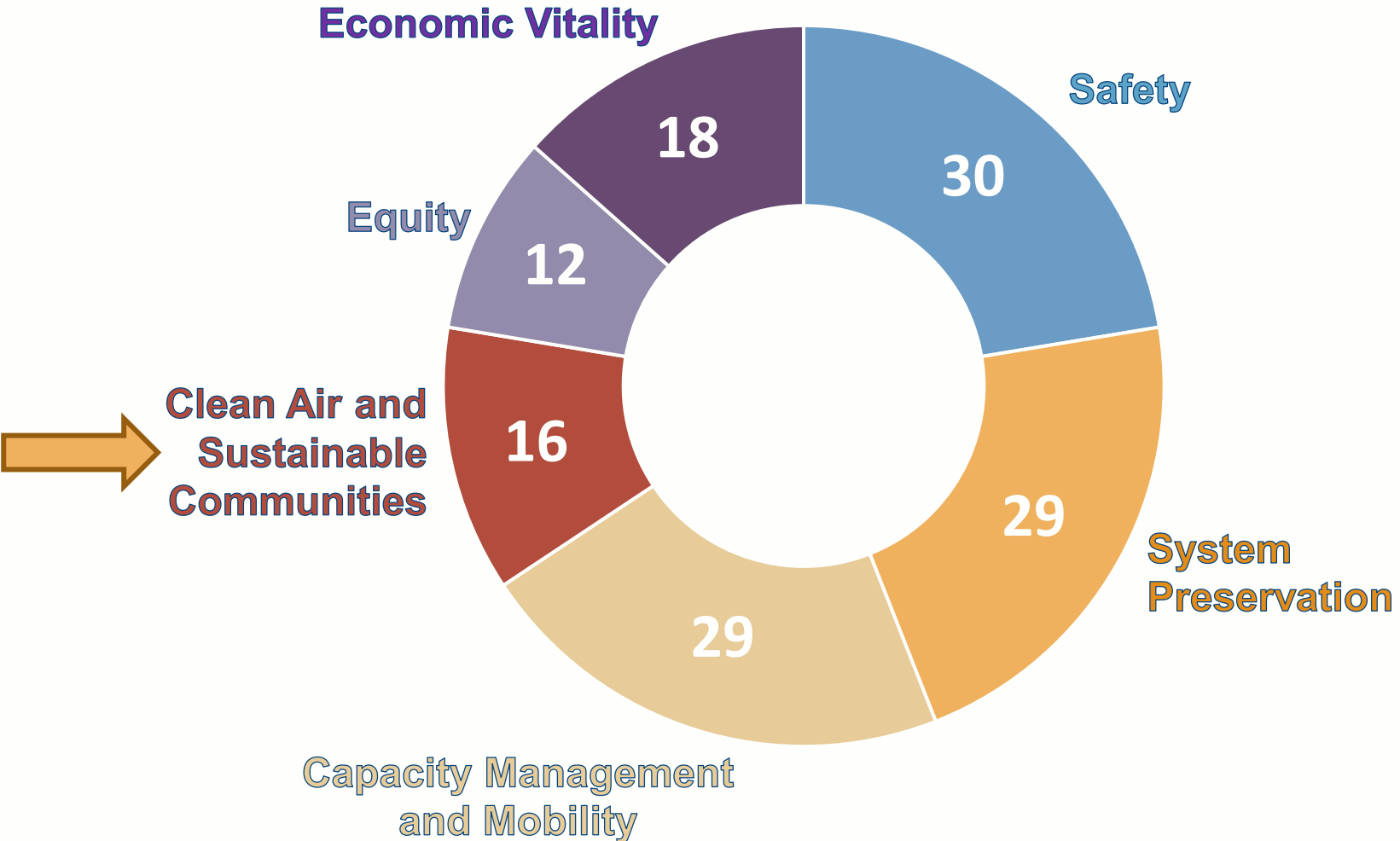
- Manageable to implement
- Make use of best available data and methods
- Create balance across investment programs
- Both realistic and aspirational
- Clear to project proponents and other stakeholders

Framing the Conversation: Notes

- Point values will be refined at a later date
- Changes are subject to continued feedback
- Resilience criteria will be more formally expanded in System Preservation goal area

Current Criteria: Overview

Current TIP Criteria: Point Allocations (134 Possible Points)



Current Criteria: Objectives

Four objectives established in *Destination 2040*:

1. Reduce greenhouse gases generated in the Boston region by all transportation modes
2. Reduce other transportation-related pollutants
3. Minimize negative environmental impacts of the transportation system
4. Support land-use policies consistent with smart, healthy, and resilient growth

Current Criteria: Objectives

Objective	Criterion
Reduce greenhouse gases generated in the Boston region by all transportation modes	Reduces CO₂ (up to 5 points)
Reduce other transportation-related pollutants	Reduces other transportation-related emissions (VOC, NOx, CO) (up to 5 points)
Minimize negative environmental impacts of the transportation system	Addresses environmental impacts (up to 4 points)
Support land-use policies consistent with smart, healthy, and resilient growth	Is in an EOEEA-certified “Green Community” (up to 2 points)

Summary of Feedback

Summary of Feedback: MPO

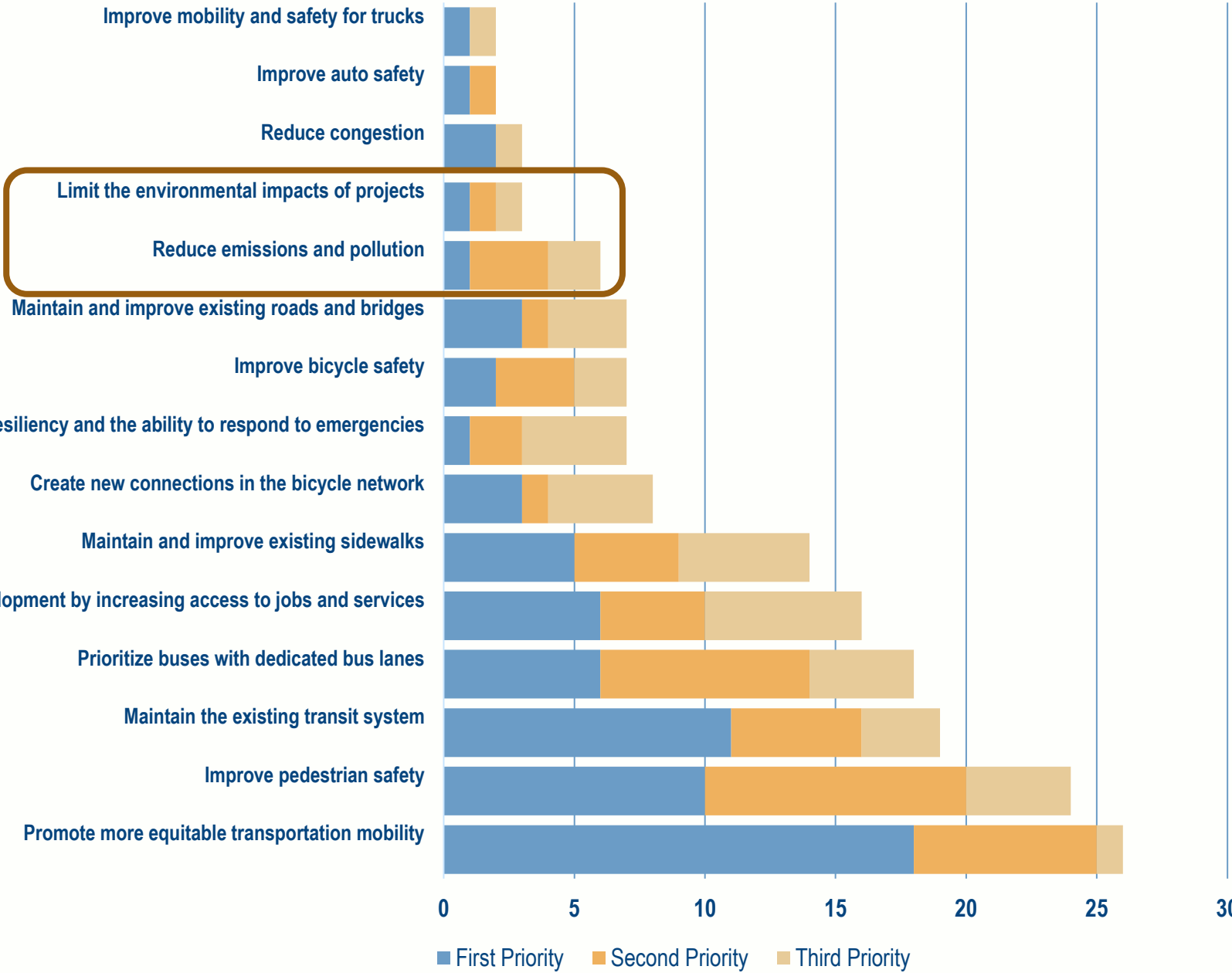
- **Survey**
 - **Connect health and emissions**
 - **Reward projects for reducing emissions in high-emission areas**
 - **Reduce redundancy of water quality criterion**
 - **Retain emphasis on quantitative criteria when possible**
- **Focus Group**
 - **Emissions reductions are a co-benefit of other improvements (mode shift)**

Summary of Feedback

- **RTAC**
 - Consider weighting increases in emissions more heavily through negative scores
- **LivableStreets**
 - Increase emphasis on health
- **Transportation for America**
 - Reduce redundancy in water quality criterion
 - Remove “Green Community” criterion

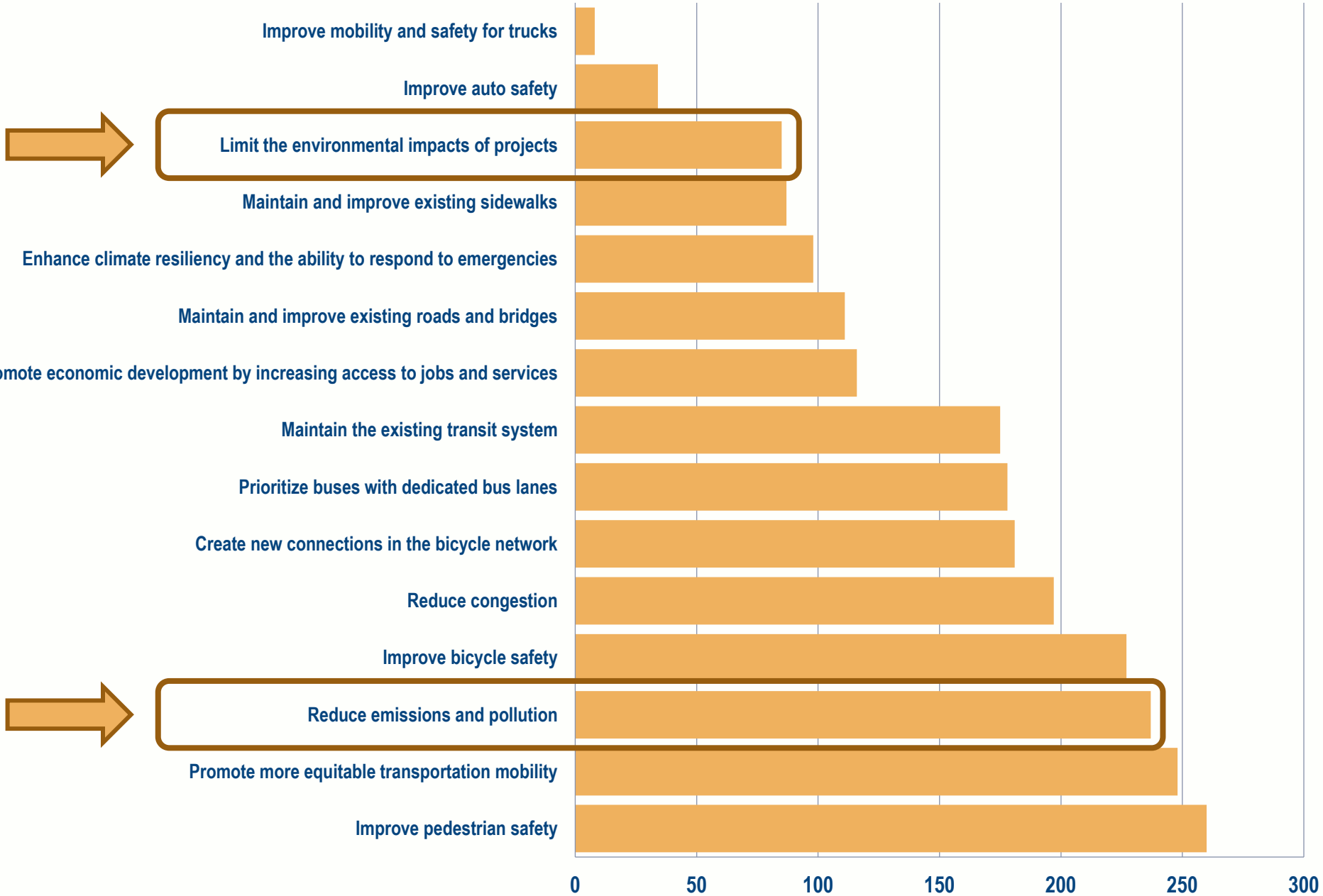
Public Focus Groups

How can the MPO best improve transportation in the region?



Public Survey

How can the MPO best improve transportation in the region?



"The main goal of reducing emissions and pollution is the overarching, top priority. This can be accomplished by better bike networks and bus-only lanes, and a lot of the other priorities. It's most important to me because climate change seems to be getting more dire and we need to make drastic changes to how we commute and rely on our cars."

"Reducing emissions, noise pollution, and auto-related negative environmental externalities (urban canopy health, for example) improves overall quality of urban life."

"[Reducing emissions and pollution] is vital for health, equity, and addressing climate change; but also I expect it will naturally lead to achieving other goals, like enhancing bike and pedestrian safety"



Proposed Changes to Current Criteria

Existing Criterion: Reduces CO₂

	Existing	Proposed
Criterion	Reduces CO ₂	
Scale	<ul style="list-style-type: none">+5 1,000+ annual tons reduced+4 500-999+3 250-499+2 100-249+1 Less than 1000 No impact-1 Less than 100-2 100-249-3 250-499-4 500-999-5 1,000+ annual tons increased	
Discussion		

Existing Criterion: Reduces CO₂

	Existing	Proposed
Criterion	Reduces CO ₂	Reduces CO ₂
Scale	<ul style="list-style-type: none"> +5 1,000+ annual tons reduced +4 500-999 +3 250-499 +2 100-249 +1 Less than 100 0 No impact -1 Less than 100 -2 100-249 -3 250-499 -4 500-999 -5 1,000+ annual tons increased 	<ul style="list-style-type: none"> +5 1,000+ annual tons reduced +4 500-999 +3 250-499 +2 100-249 +1 Less than 100 0 No impact -1 Less than 100 -5 100+ annual tons increased
Discussion		Public outreach (RTAC) LRTP goals

Existing Criterion: Reduces Other Emissions (VOC, NOx, CO)

	Existing	Proposed
Criterion	Reduces other emissions (VOC, NOx, CO)	Reduces other emissions (VOC, NOx, CO, PM _{2.5})
Scale	<ul style="list-style-type: none"> +5 2,000+ annual kilograms reduced +4 1,000-1,999 +3 500-999 +2 250-499 +1 Less than 250 0 No impact -1 Less than 250 -2 250-499 -3 500-999 -4 1,000-1,999 -5 2,000+ annual kilograms increased 	<ul style="list-style-type: none"> +5 2,000+ annual kilograms reduced +4 1,000-1,999 +3 500-999 +2 250-499 +1 Less than 250 0 No impact -1 Less than 250 -5 250+ annual kilograms increased <div style="border: 2px solid brown; border-radius: 10px; padding: 5px; margin-top: 10px;"> <ul style="list-style-type: none"> +2 Project reduces emissions in area above state average for PM_{2.5} -2 Project increases emissions in area above state average for PM_{2.5} </div>
Discussion		Public outreach (RTAC) LRTP goals, MassDOT using Public outreach (health equity)

Existing Criterion: Addresses Environmental Impacts

	Existing	Proposed
Criterion	Addresses environmental impacts	Addresses environmental impacts
Scale	<ul style="list-style-type: none"> +1 Address water quality +1 Address cultural resources/open space +1 Address wetlands/resource areas +1 Address wildlife preservation/habitat 	<div style="border: 2px solid #8B4513; border-radius: 15px; padding: 10px;"> <ul style="list-style-type: none"> +3 Project reduces impervious surfaces or invests in green infrastructure +1 Project uses stormwater BMPs to improve existing conditions 0 No impact -1 Project expands impervious surfaces OR does not fully address existing water quality issues </div> <ul style="list-style-type: none"> +1 Project avoids negative impacts to cultural resources, open space, wetlands, natural resource areas, wildlife areas, or protected habitats
Discussion		Reduce redundancy (T4A)

Existing Criterion: Green Community

	Existing	Proposed
Criterion	Is in an EOEEA-certified “Green Community”	Project enhances natural environment
Scale	+2 Project located in “Green Community”	+1 Project results in net increase in tree canopy coverage +1 Project increases access to parks, open space, or other natural assets
Discussion		L RTP resilience 80% GC coverage Outreach

Next Steps

Next Steps

Today: Discuss Equity scoring for Clean Air and Sustainable Communities goal area

February–March: Focus on FFYs 2021–25 TIP development

Beginning in April: Discuss further criteria changes



Discussion