



MORRISON HERSHFIELD

Potential Strategies to Consider for Management of Residual Waste

Presentation to PTAC on March 6, 2024

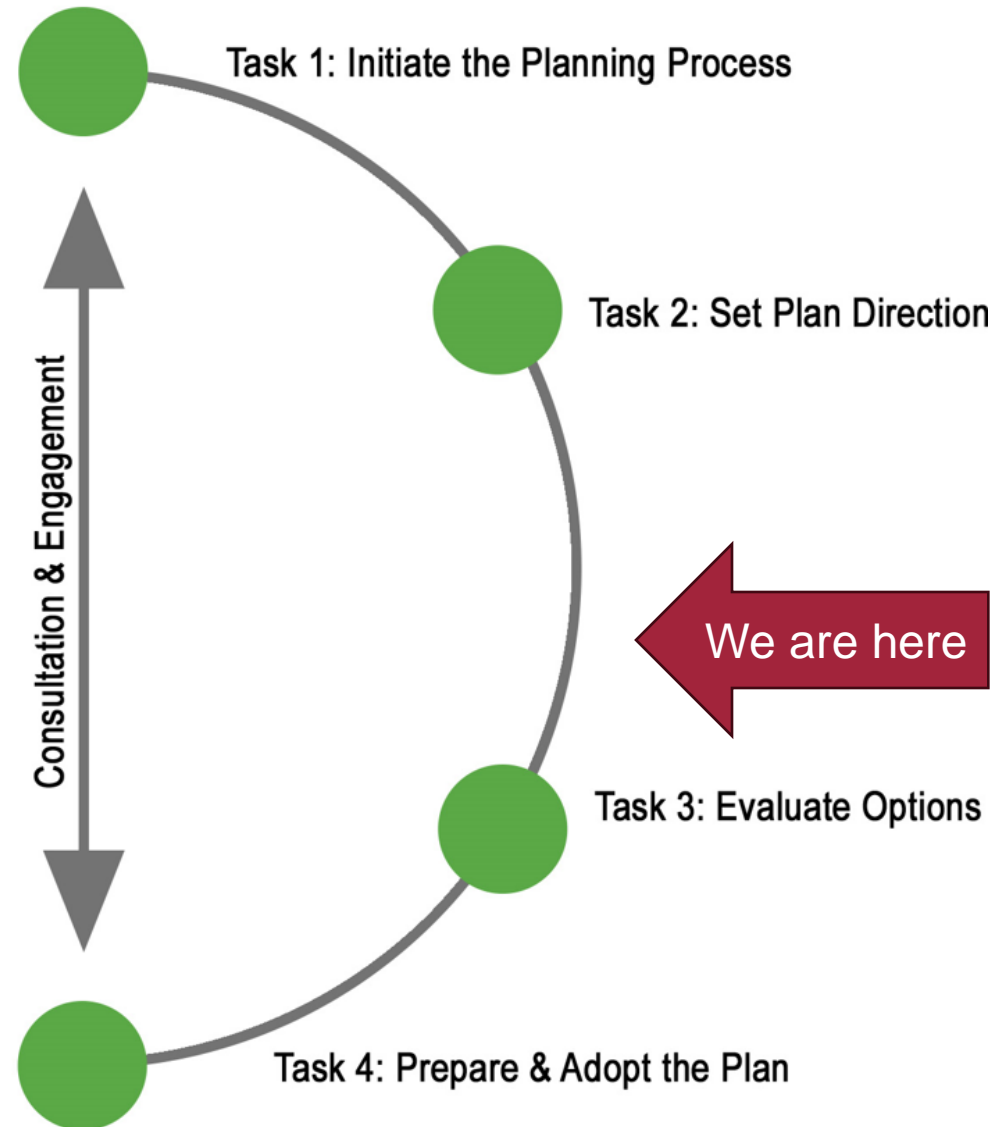


Meeting Outline

- Plan process and context (< 5 min)
- Review waste diversion priorities on strategies 7-12 from last meeting (20 min)
 - Brief discussion priorities
- Three potential strategies (30 min)
 - Discussion
- Potential impacts from strategies & next steps (5 min)
- Other Ideas
 - Discussion on alternative solutions for the Region (remaining meeting time)



Where We Are At

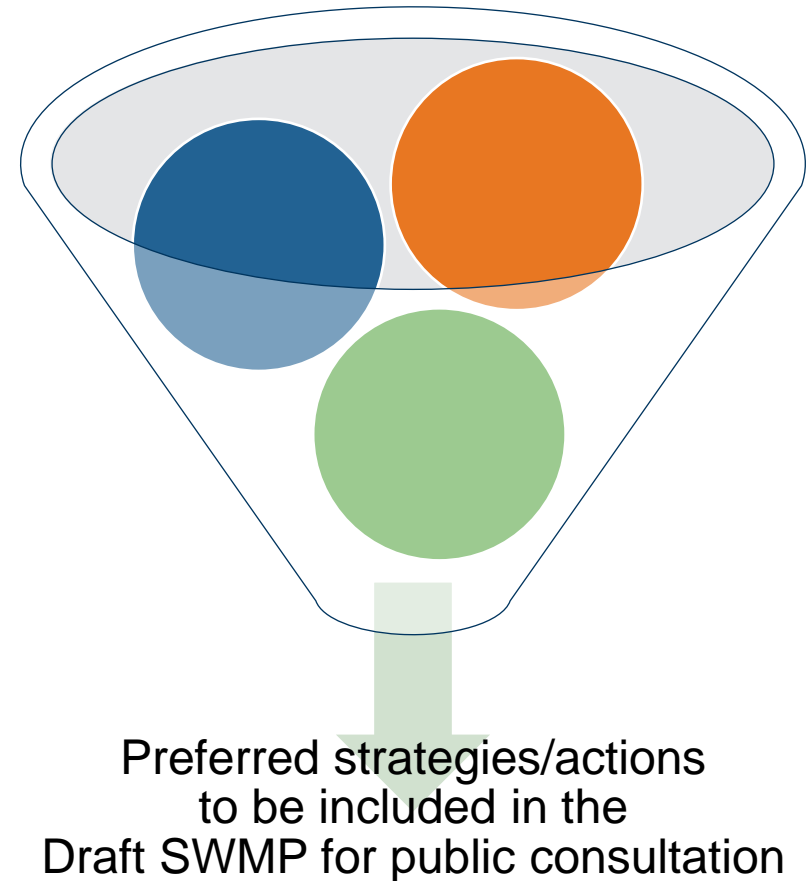


Meeting Purpose

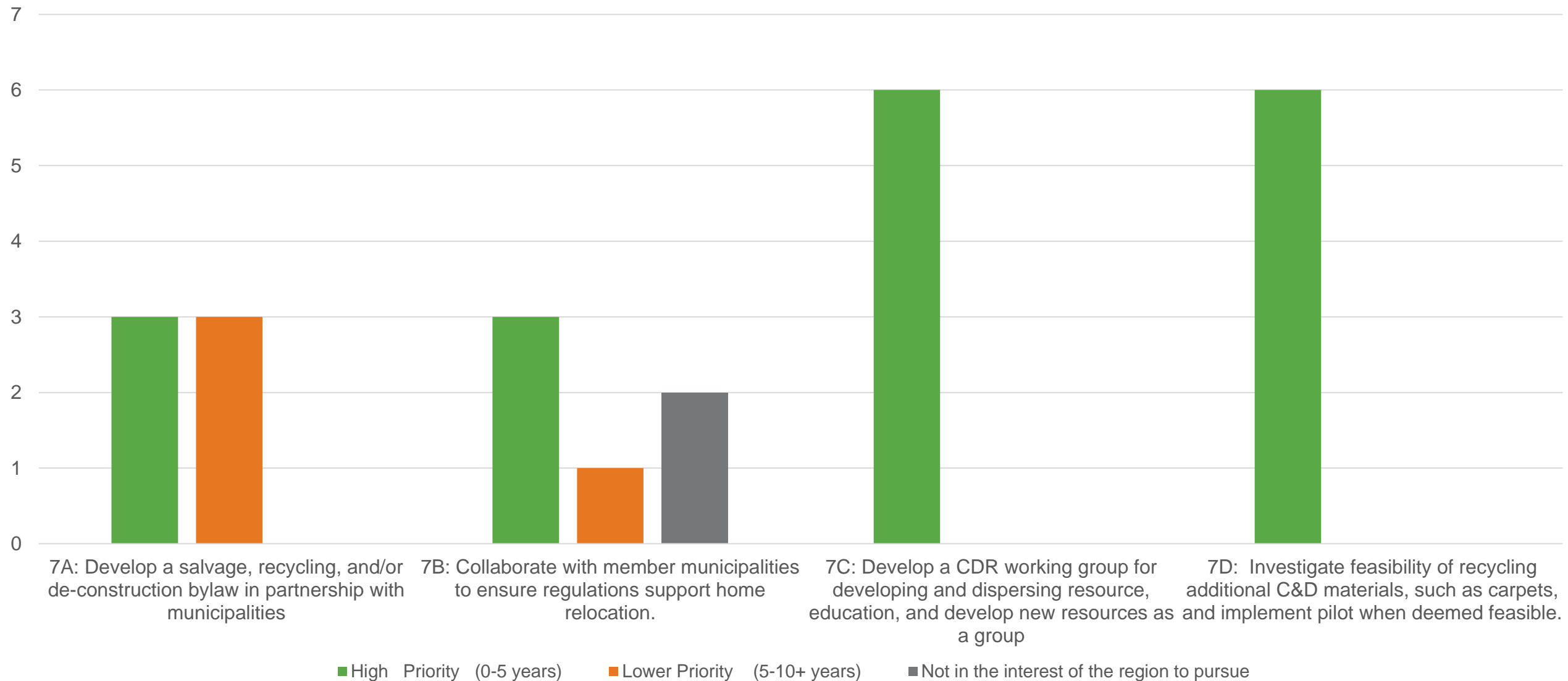
- Outline possible strategies to improve system funding and potential impacts
- Narrow down these strategies which will form the preferred strategies and actions for the Plan

After Meeting:

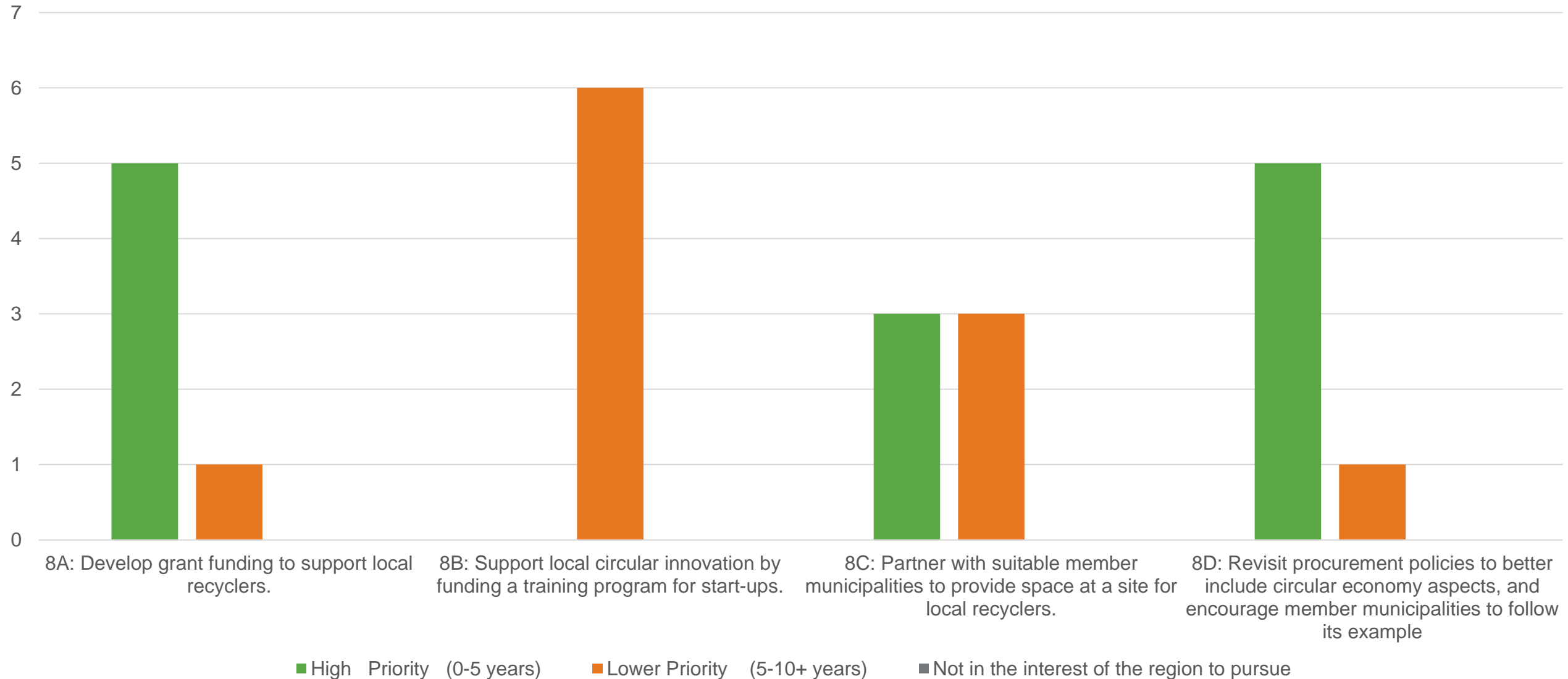
Follow-up survey to gauge your priorities and any additional feedback



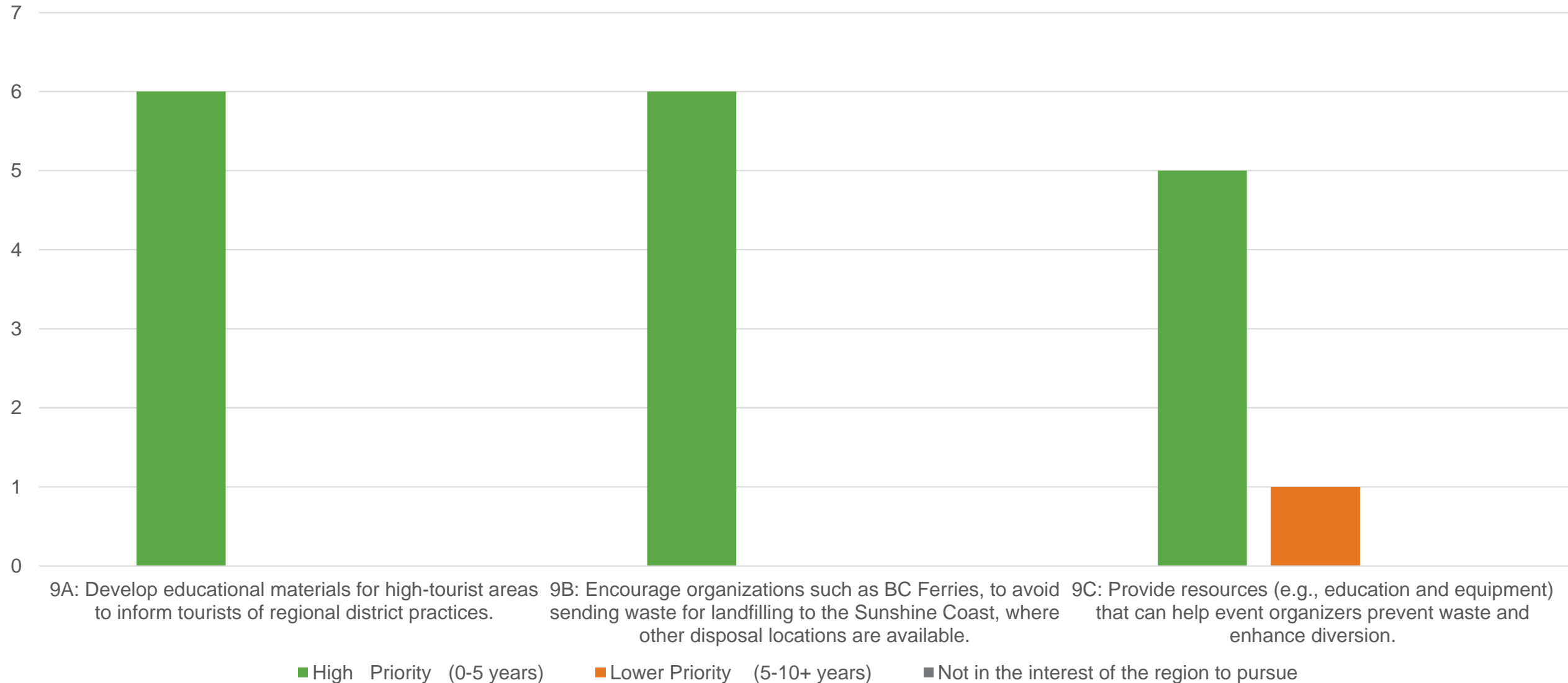
Priorities - Strategy 7



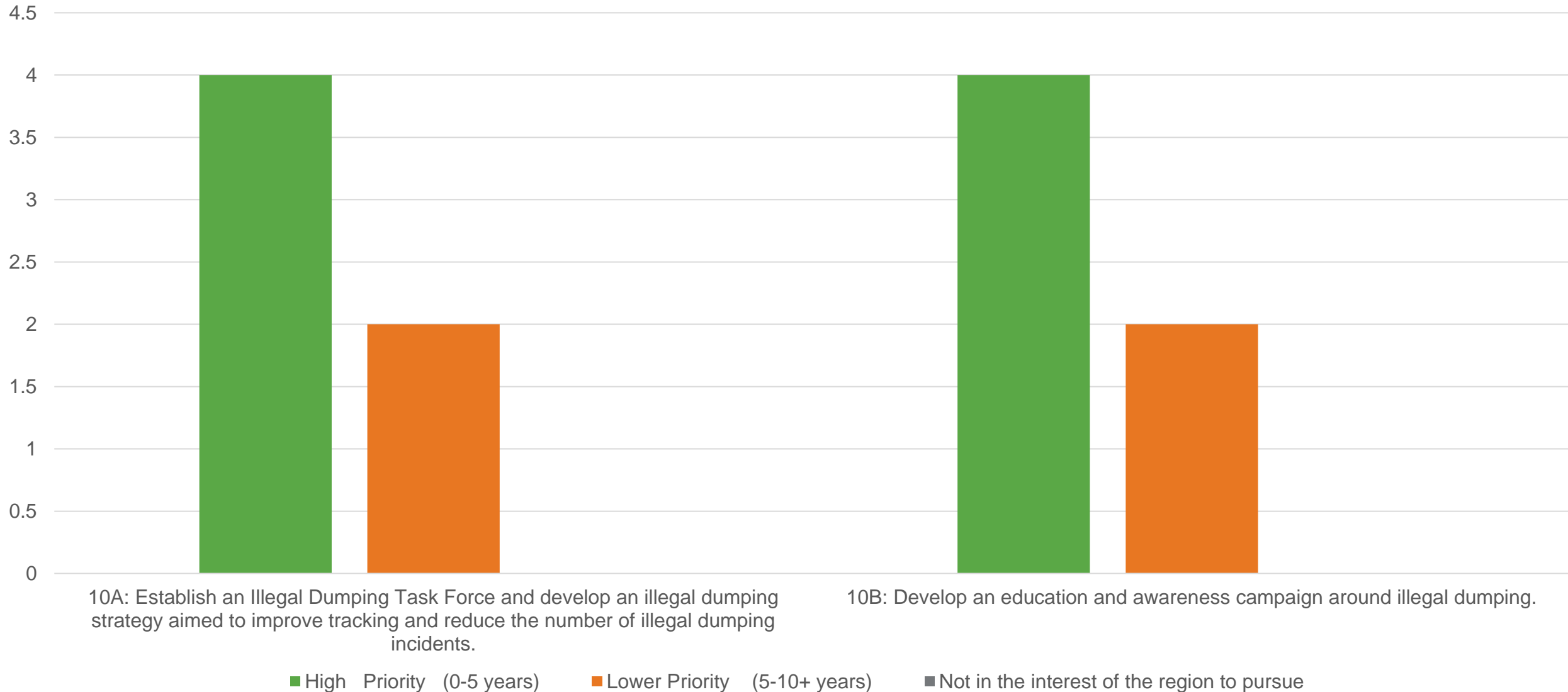
Priorities - Strategy 8



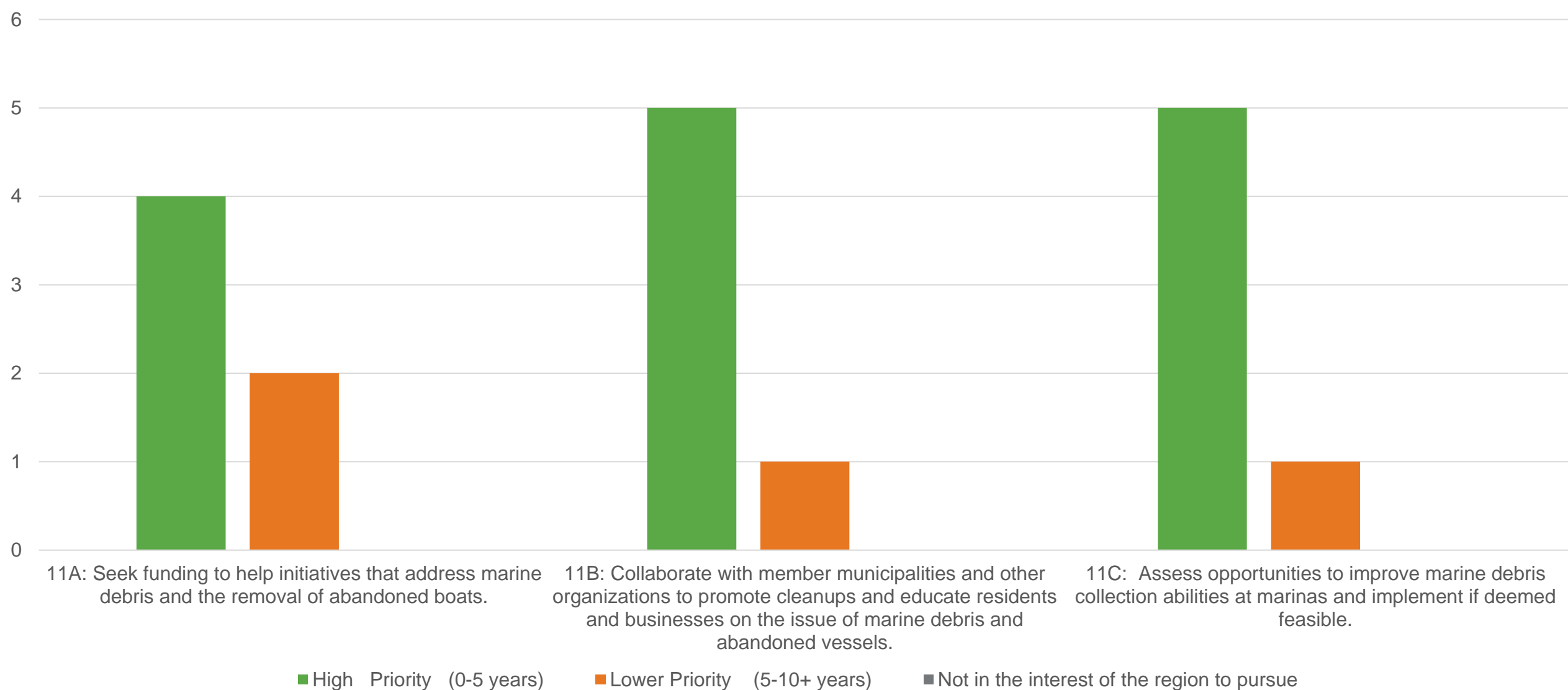
Priorities - Strategy 9



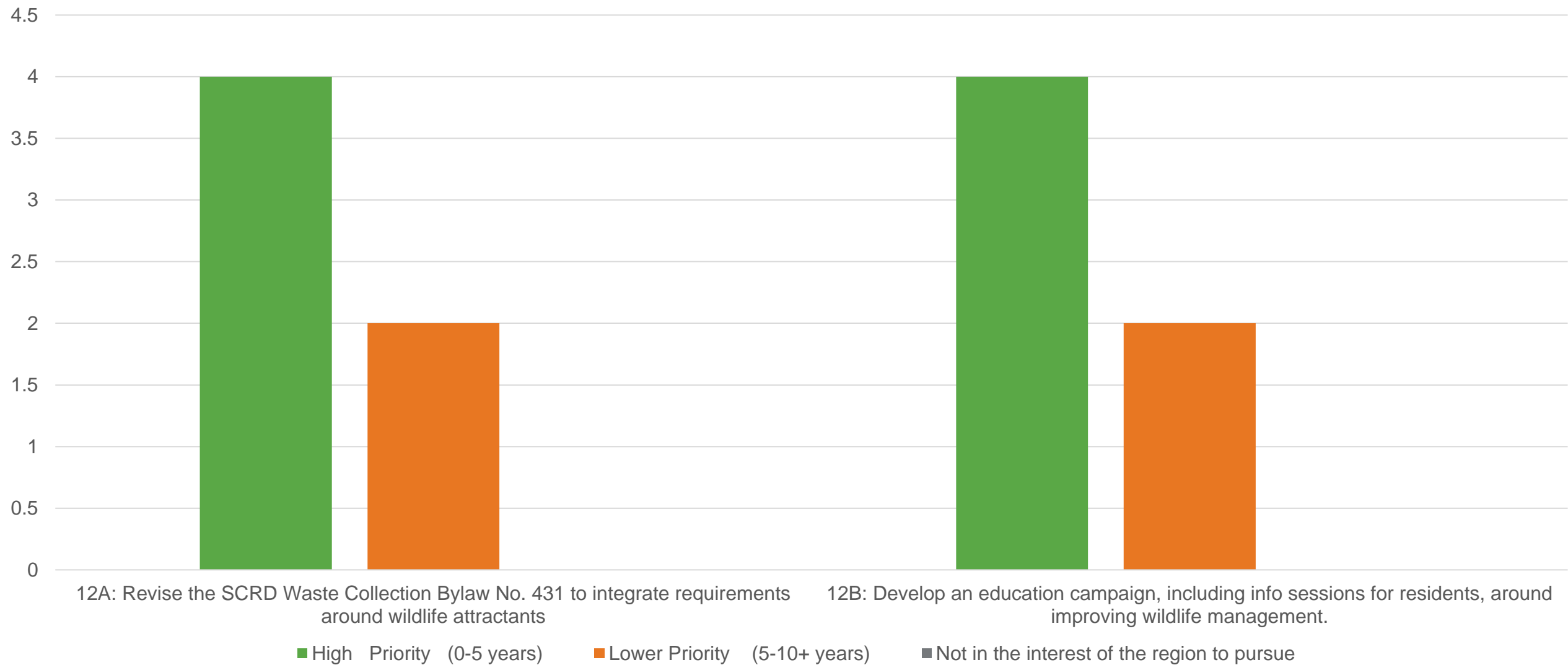
Priorities - Strategy 10



Priorities - Strategy 11



Priorities - Strategy 12



Questions/ Comments on Strategies 7 - 12

Any other comments/ questions



Overview of Potential Strategies

13

Assess potential for recovery of energy from residual waste

10 min

14

Improve invasive species disposal

10 min

15

Improve debris waste management

10 min

Potential Strategies

Strategy 13: Assess Potential for Recovery of Energy from Residual Waste

13A: Collaborate with other regional districts to identify opportunities for energy recovery for non-recyclable materials, such as clean wood waste.

Energy recovery

The capture of the energy embodied in non-recyclable waste

Strategy 13: Assess Potential for Recovery of Energy from Residual Waste

- Large scale waste-to-energy was deemed cost-prohibitive in the 2021 study on Future Waste Disposal Options.
- The SCRD could consider small-scale recovery options (local and out-of-region) for certain materials, which are currently being landfilled.
- An operational landfill should be considered an asset and energy recovery may be an option to help reduce airspace consumption and preserve the lifespan of a landfill.



Strategy 13: Assess Potential for Recovery of Energy from Residual Waste

13A: Collaborate with other regional districts to identify opportunities for energy recovery for non-recyclable materials, such as clean wood waste.



Potential Strategies

Strategy 14: Improve Invasive Species Disposal

14A: Develop a regional program for improved education on invasive plant disposal.

14B: Assess disposal options for invasive plant material and implement if deemed feasible.



Strategy 14: Improve Invasive Species Disposal

- Limited disposal options for some invasive species.
- Opportunity to SCRD to:
 - Provide more education on available disposal options or
 - Develop of disposal solutions.
- Example: qathet Regional District developed an Invasive Plant Management Strategy.



Coastal ISC
registered
2,582 site (175 ha)



qathet
REGIONAL DISTRICT

Prepared for qathet
Regional District by
Let's Talk Trash.ca
www.letstalktrash.ca

Questions/ Comments on Strategy 14

Strategy 14: Improve Invasive Species Disposal

14A: Develop a regional program for improved education on invasive plant disposal.

14B: Assess disposal options for invasive plant material and implement if deemed feasible.



Potential Strategies

Strategy 15: Improve Debris Waste Management

15A: Develop a debris waste management plan and emergency response plans for SCRD facilities to manage unpredictable surges in waste materials from natural disasters.



Strategy 15: Improve Debris Waste Management

- SCRD is part of a joint program, the Sunshine Coast Emergency Program (SCEP), with all three member municipalities.
- Debris Waste Management Guidance is developed by the Province.



From : [What is emergency management - Province of British Columbia \(gov.bc.ca\)](http://gov.bc.ca)

Questions/ Comments on Strategy 15

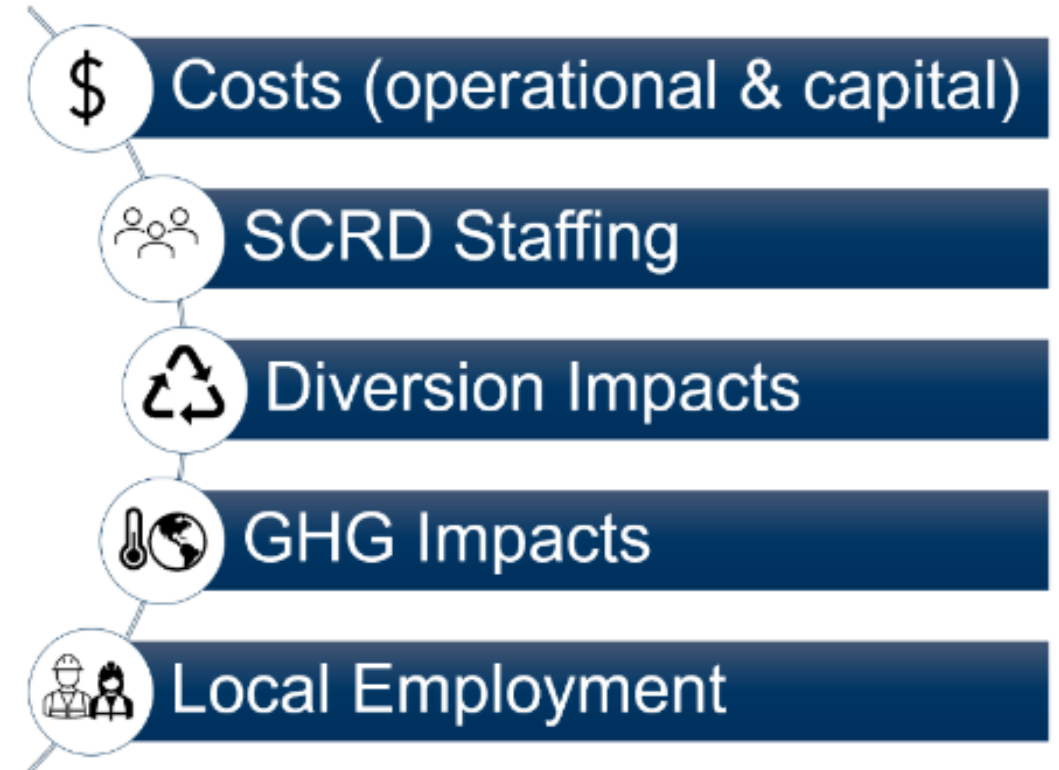
Strategy 15: Improve Debris Waste Management

15A: Develop a debris waste management plan and emergency response plans for SCRD facilities to manage unpredictable surges in waste materials from natural disasters.



Impacts from Strategies

Approach for evaluating strategies:

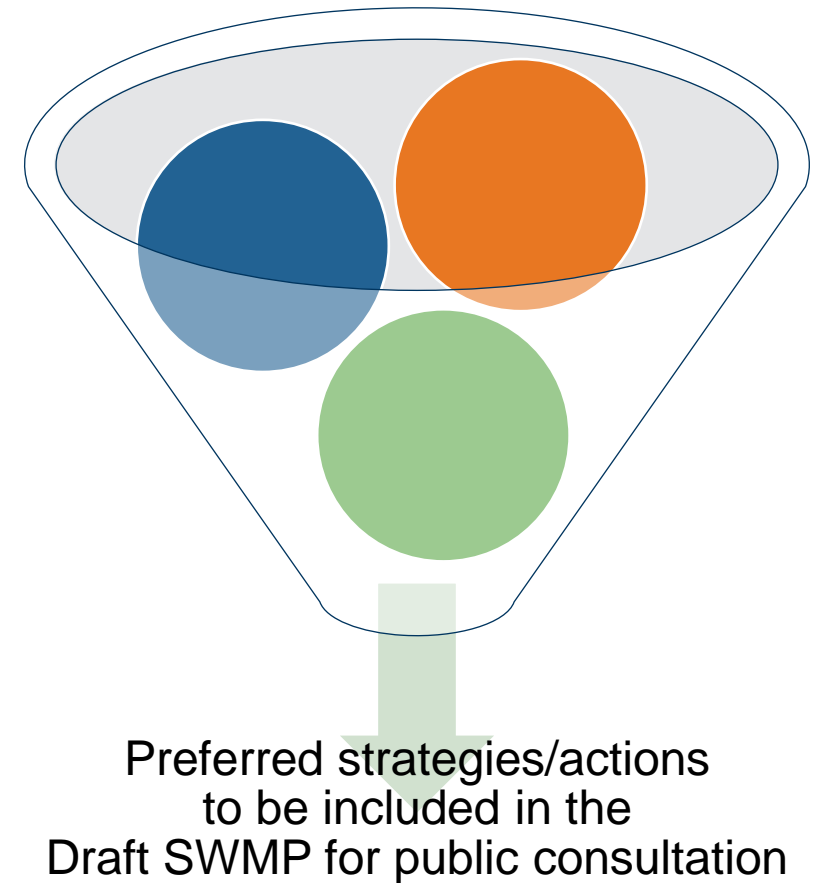


Potential Impacts from Strategies

Strategy #	Strategy Theme	Costs	Staffing	Diversion Potential	Waste Hierarchy	GHG	Local Employment
13	Recovery of Energy from Residual Waste	Medium - High	Low – Medium	Low - Medium	Recovery & residual management	Low	Low
14	Invasive Species Disposal	Low - Medium	Low - Medium	Low - Medium	Recycling & residual management	Low - Medium	Low
15	Debris Waste Management	Low	Low	Low	Residual management	Low	Low

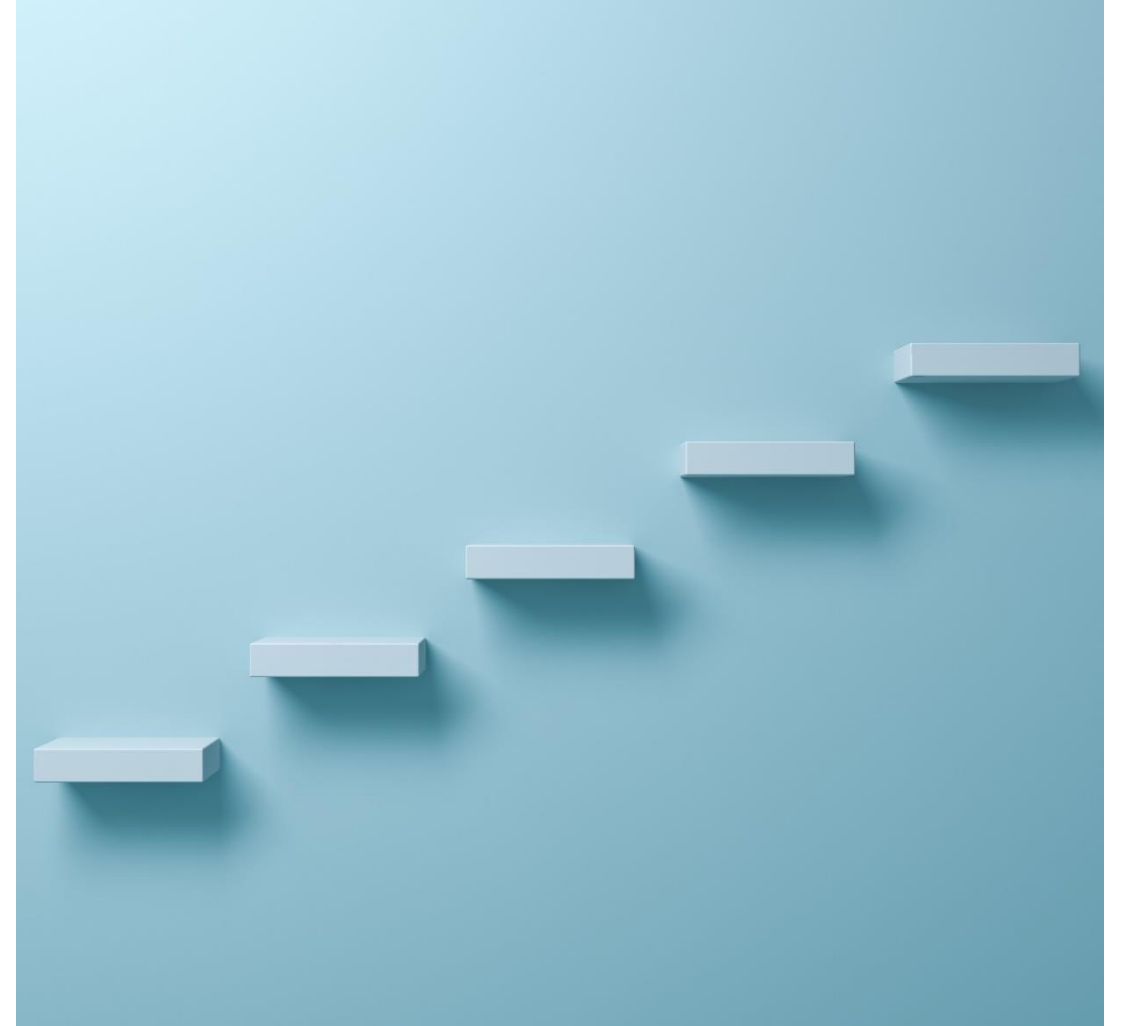
Next Steps – Help Prioritize

- Post-Meeting: PTAC members will receive a follow-up survey to gauge your priorities and any additional feedback
- MH to listen to feedback, review priorities based on impacts discussed
- MH will present these at the next meeting to finalize which strategies and actions are preferred



Future Meeting Topics

- Disposal options and financing (April 17, 2024)
- Preferred strategies in a draft SWMP (summer 2019)



Questions/ Comments on Impacts or Next steps



Thank you!



MORRISON HERSHFIELD

People • Culture • Capabilities

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