Toolkit for Equitable Emergency Management

Appendix T

Risk Reduction Strategies Template

2025

Appendix T - Risk Reduction Strategies Template

Section: Risk Reduction Strategies

Project Name:

Community:

Date:

Prepared by:

Purpose

To develop and implement strategies that effectively reduce the identified risks, while ensuring that the strategies are inclusive and address the needs and vulnerabilities of all community members. This section aims to create equitable and sustainable risk reduction measures.

Instructions

1. **Identify Risk Reduction Measures:** List potential strategies to reduce the identified risks in the Risk Reduction table.
2. **Engage Community:** Involve community members, especially those from marginalized and underrepresented groups, in the development of these strategies.
3. **Feasibility, Cost, Impact:** Review and identify the feasibility, cost, and impact of suggested strategies in the Feasibility, Cost, Impact Summary table. You may not have all the information on hand but complete this as best as possible.
4. **Analyze with IGA:** Ensure that the strategies consider the diverse needs and vulnerabilities of different social identities.
5. **Implement and Monitor:** Implement the strategies and establish a monitoring plan to assess their effectiveness and inclusivity.

Risk Reduction Strategies Table for *(insert Community name)*

Hazard Type	Risk Reduction Measure	Community Involvement	IGA Considerations	Implementation Plan	Monitoring Plan
Flood	*Enhance dissemination of flood forecasts and warnings*	*Local residents, especially those in flood-prone areas; Neighborhood XYZ*	*Ensure warnings are accessible and easy to understand for non-English speakers, individuals with disabilities, and for those without access to technology (data, mobile phones, etc.)*	*Develop an inclusive communication plan; train local volunteers/community leaders or partner with local NGOs to share warnings and build trust; consider popular media formats with target groups to help socialize the system*	*Regular feedback from community, periodic reviews of communication effectiveness*

Feasibility, Cost, Impact Summary for *(insert Community name)*

Hazard Type	Aspect	Details
Flood	*Technical Feasibility*	*Technology is readily available; infrastructure supports the communication strategy.*
	Operational Feasibility	*Community is ready and willing; training needs are manageable; strategy is sustainable*
	Legal Feasibility	*Complies with local laws and regulations.*
	Initial Costs	*Equipment: $3,000; Installation: $1,000 for community boards.*
	Operational Costs	*Training: $2,000; Maintenance: $500/year; Communication: $1,000/year; may be offset by support/partnerships with community-based organizations who are partnering in this strategy.*
	Funding Sources	*Federation of Canadian Municipality Grants: $5,000; funding from Public Safety Canada may also be available (amount unknown)*
	Social Impact	*Significant vulnerability reduction; increased mental health and resilience; high community engagement/interest; promotes equity and inclusion by targeting the most impacted/vulnerable during flood events*
	Economic Impact	*Based on recovery costs from the last two flood events, estimated cost savings: $30,000/year; improved economic resilience*
	Environmental Impact	*Positive impact through better floodwater management and environmental protection.*
Wildfire	*Technical Feasibility*	
	Operational Feasibility	
	Legal Feasibility	
	Initial Costs	

	Operational Costs	
	Funding Sources	
	Social Impact	
	Economic Impact	
	Environmental Impact	

Quick Reference Checklist

Identify Risk Reduction Measures:

☐ List potential strategies to mitigate the risks associated with each hazard.

☐ Consider structural, non-structural, and community-based measures.

Engage Community:

☐ Conduct meetings, focus groups, and surveys to gather input from community members on potential strategies.

☐ Ensure participation from diverse community members, including marginalized and underrepresented groups.

Analyze with IGA:

☐ Assess how different social identities (gender, age, race, socioeconomic status, etc.) influence the effectiveness and accessibility of risk reduction measures.

☐ Ensure that the strategies address the unique needs and vulnerabilities of different groups.

Implement and Monitor:

☐ Develop a detailed implementation plan, including timelines, responsibilities, and resource allocation.

☐ Establish a monitoring plan to regularly assess the effectiveness of the strategies and make necessary adjustments.

☐ Include mechanisms for community feedback and participation in the monitoring process.