



**Multi-jurisdictional Utility Hazard Mitigation Plan for
Metro Connects and Renewable Water Resources**

- Hazard mitigation is one of the fundamentals of emergency management.
- It is any sustained action taken to reduce or eliminate the loss of life, property, and infrastructure from natural and man-made hazards.
- Mitigation breaks the cycle of disaster, damage, restoration, and repeated damage.
- Mitigation reduces the financial impact of disasters for governments, businesses and individuals.



→ Hazard Mitigation Planning Context

Metro Connects and Renewable Water Resources (ReWa) are teaming up to develop a joint Hazard Mitigation Plan (HMP) so they can:

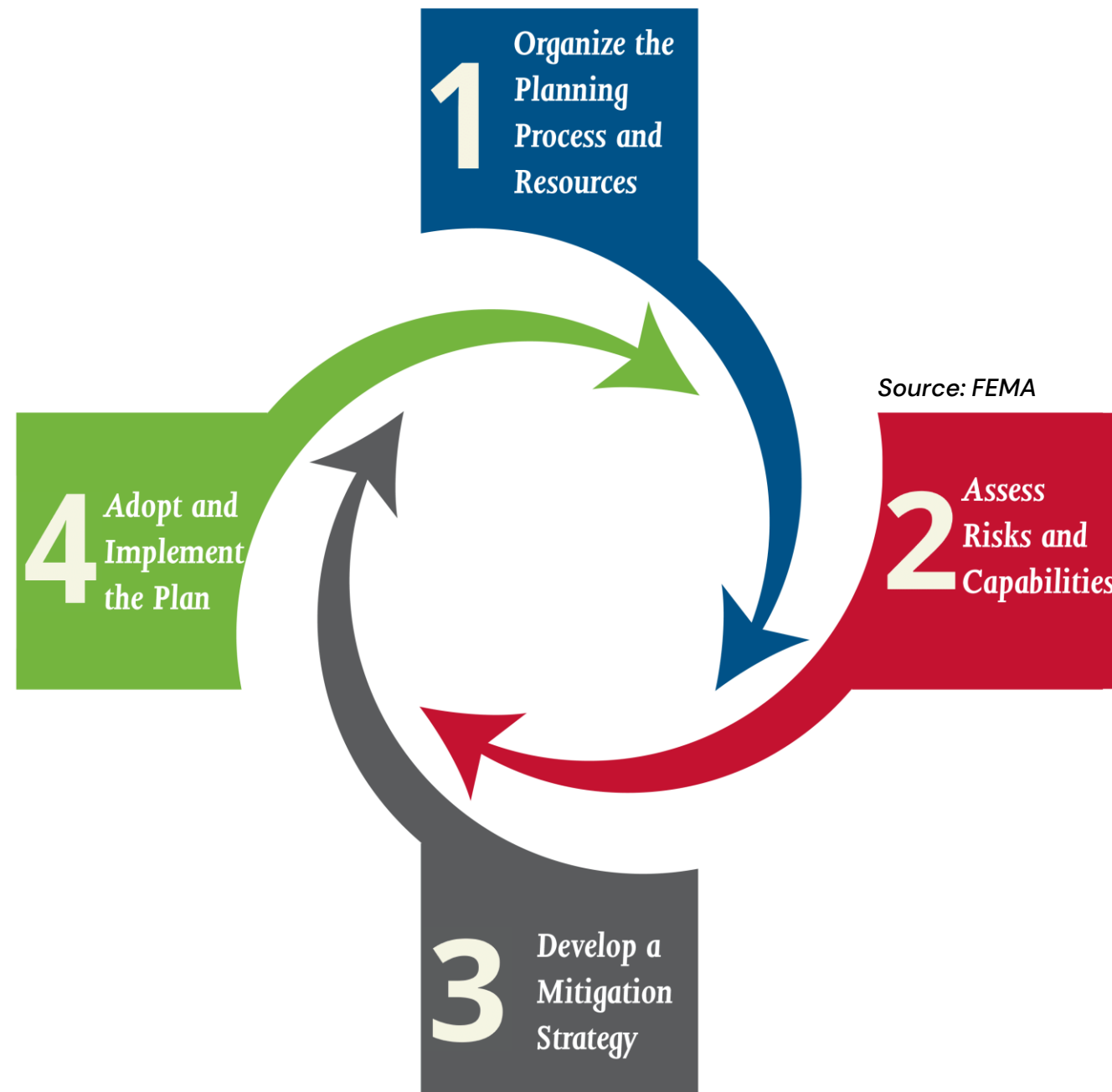
1. Develop a long-term strategy for reducing disaster damage, reconstruction, and repetitive damage to their assets
2. Unlock billions of dollars in potential funding for hazard mitigation and resilience measures
3. Identify and prioritize projects that can help protect continuity of service to their customers before, during, and after natural and human-made events



Source: FEMA and National Institute of Building Sciences (NIBS)

The 6:1 average ROI increases to up to 31:1 for water and wastewater utility mitigation according to the NIBS 2019 Interim Report

→ Why Hazard Mitigation Planning?



➔ **Hazard Mitigation Planning Process**

Metro Connects and ReWa

- Meeting FEMA requirements
- Coordinating submission and adoption with participating jurisdictions

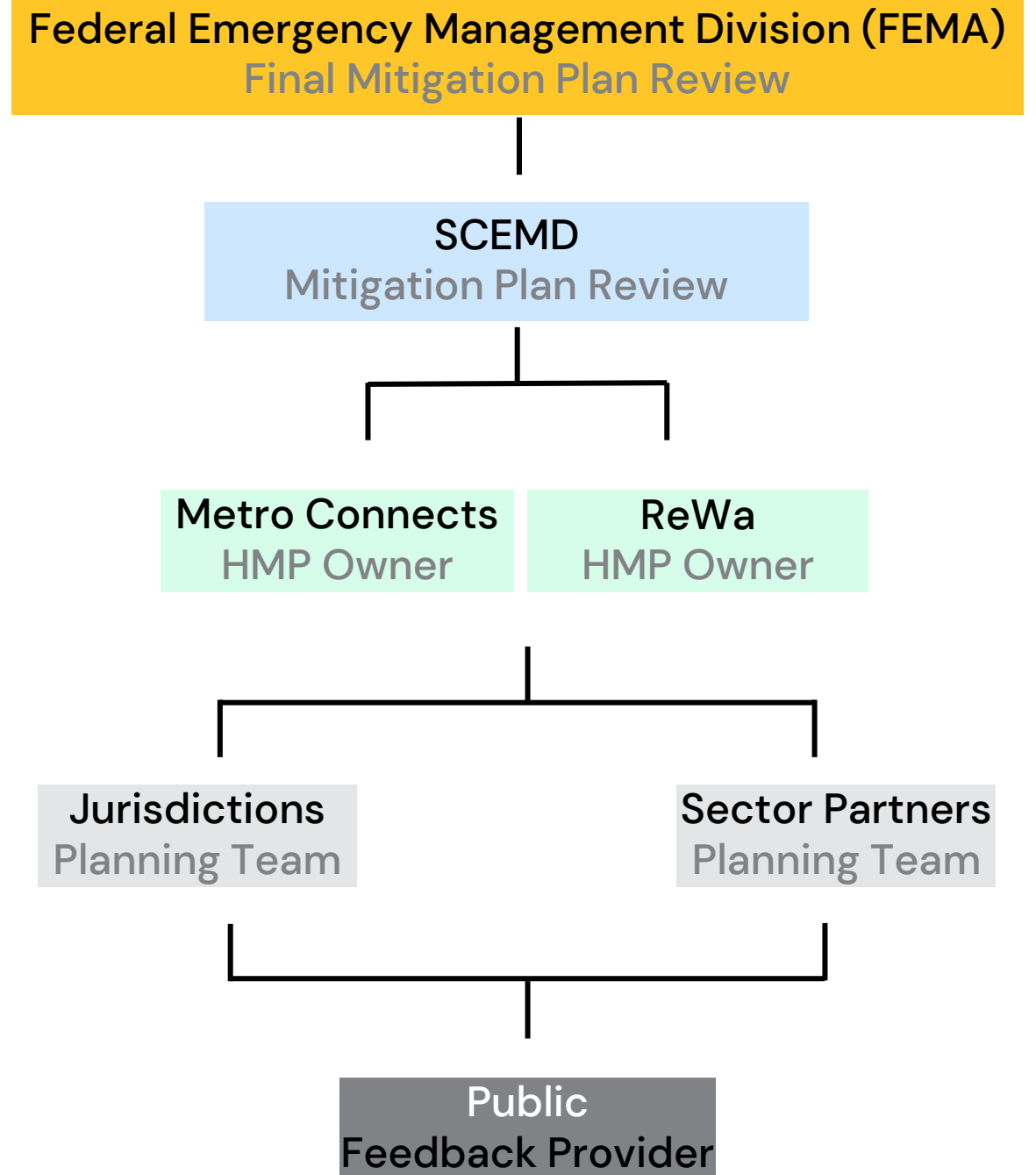
South Carolina Emergency Management Division (SCEMD)

- Supporting plan development
- Reviewing the plan

The Planning Team

- Liaising with the public
- Providing expertise

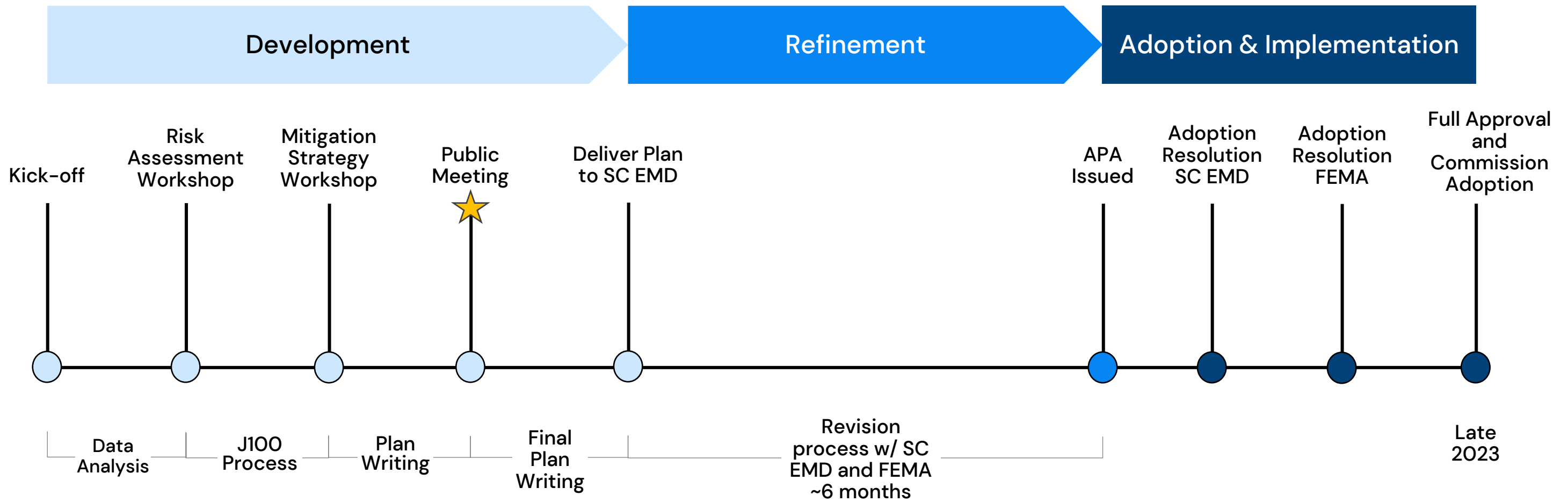
→ Roles and Responsibilities



- Floodproofing, hardening, and structural retrofits
- Elevating generators, panels, and controls
- Nature-based solutions, e.g., stream restoration, culvert enlargement, wetlands
- Asset relocation
- Microgrids and generators for back-up power
- Flexible joints for pipes to mitigate earthquake damage
- Hazardous fuels reduction around facilities



→ Example Mitigation Strategies for Utilities



➔ **Overall Timeline for Delivery – HMP to be Completed in 2023**

- Stakeholder and public engagement is crucial for the success of any Hazard Mitigation Plan
- Please consider joining us at the upcoming Public Meetings:

Upcoming Ways to Engage	Date	Time (ET)	Location
Public Meeting - MetroConnects	April 17, 2023	1 pm	Training Room @ MetroConnects 120 Augusta Arbor Way, Greenville, SC
Public Meeting – ReWa	April 24, 2023	4 pm	Board Room @ ReWa Admin 561 Mauldin Road, Greenville, SC

- Please consider completing the survey available here (it takes 5 minutes or less): [Click here for survey](#)

→ **We Need YOU!**
