

Action

Enhance stormwater system plans and infrastructure to handle an increase in severe weather events based on climate change projections rather than historic trends. (LH 3-5)

Introduction

Planning for an increase in severe weather events is an important Land Use & Housing action for climate resilience. It supports the Climate Action Plan's strategy to increase housing and community resilience to the impacts of climate change, including flooding and extreme temperatures.

Cost

Staff would have to estimate time commitment or cost for contracted services. Energy efficiency incentives from the Federal and State governments have increased, so the city or consultant could assist building owners in identifying and attaining grants, tax rebates, and technical assistance to lower costs.

Work Sequence

- A. Review existing plans, including the Emergency Management Plan and [Flood Hazard Mitigation Plan](#)
- B. Compare climate change projections in adaptation reports to historic trends.
- C. Identify possible infrastructure needs.
- D. Research funding availability to support project implementation.

Consideration

The City issues stormwater management fee [credits](#) for adding stormwater management projects.

Lead

Stormwater Utility

Support

NWS, FEMA, WI DNR, Planning Dept., Fire Dept.

Complementary Actions

- I. Protect and restore natural systems that protect the community from flooding, including parks, wetlands, riparian areas, and natural drainage ways/swales (LH 2-1).
- II. Create a demonstration green roof, green/live wall, and/or vertical garden project, and include these categories in projects that qualify for stormwater fee credit. (GS 3-6)
- III. Establish a preparedness education program and an emergency alert system that help protect the community from flooding and extreme heat events. (LH 3-3)
- IV. Strengthen local ordinances/regulations to better protect riparian areas, streams, and wetlands that store and filter floodwaters, and strengthen enforcement of those policies. (W 3-4)