

# Hazards Mitigation Plan City of Tumwater Annex 2024 Resolution R2024-001



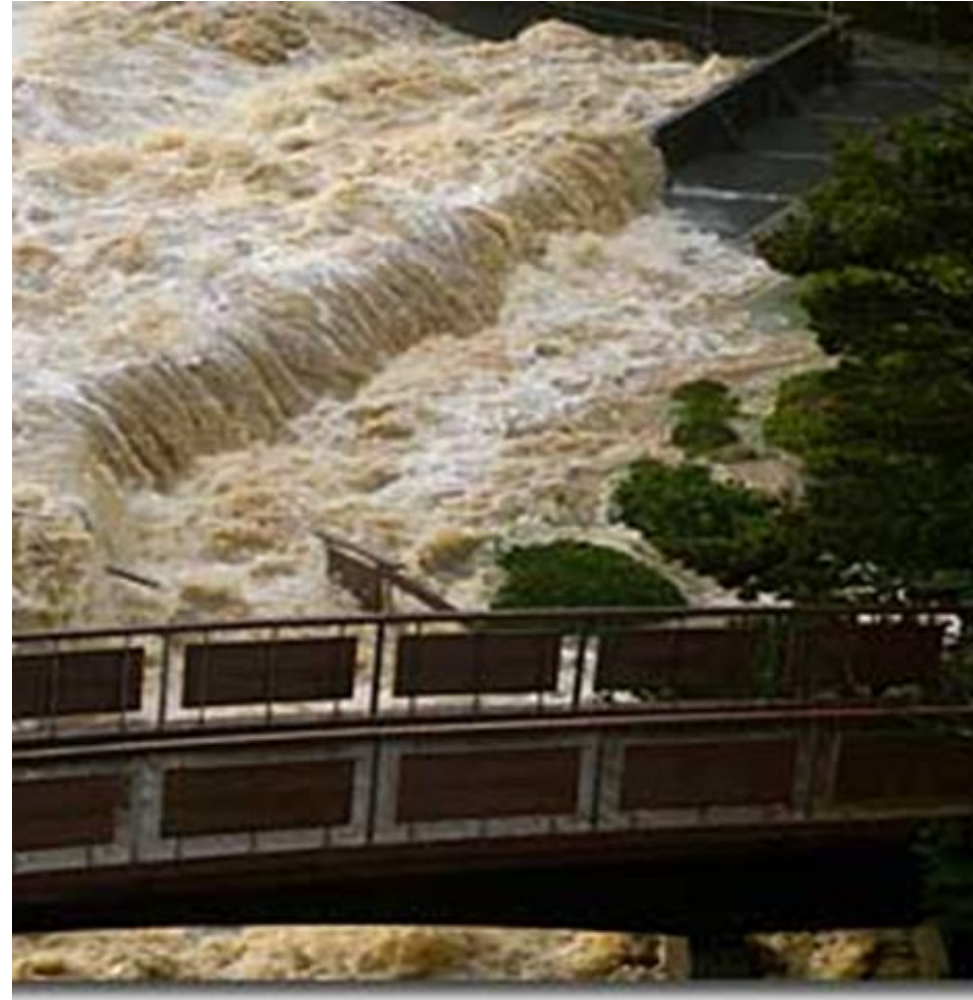
**HAZARDS**  
MITIGATION PLAN  
FOR THE THURSTON REGION



City Council – March 5, 2024

# Issue

- Earthquakes, landslides, severe storms, floods, wildland fires, volcanic events, and other hazards cause lengthy disruptions and are costly to communities
- Hazards mitigation planning is intended to identify and implement sustained actions that eliminate long-term risks to life and property



# Background

- The Federal Government enacted the Disaster Mitigation Act of 2000
- Jurisdictions must adopt a federally approved Hazards Mitigation Plan to apply for or to receive federal mitigation assistance program grants
- There is a multijurisdictional “Core Plan” for Thurston region and individual jurisdictional plans known are known as the “Annex”
- Plans must be updated every 5 years
- The Hazards Mitigation Plan was last updated in 2017



## Local Mitigation Planning Policy Guide

FP 206-21-0002

Released April 19, 2022, Effective April 19, 2023

OMB Collection #1660-0062



FEMA

# Overview



The City is susceptible to earthquakes, flooding, landslides, severe weather, and wildfires



The City Annex identifies actions that are specific to the vulnerabilities of Tumwater, which is responsible for implementing the actions



The City has identified 20 initiatives specific to Tumwater to go along with 12 Regional initiatives to help mitigate and reduce impacts of natural hazards



Categorized by initiative type: public outreach and information, plan coordination and implementation, data collecting and mapping, development regulations, hazard preparedness, hazard damage reduction, and critical facilities and replacement retrofit



# Hazards Addressed in the City Annex

- Wildfire
- Flood
- Earthquake
- Severe Weather
- Landslide
- Lahar

There is at least one City initiative for each hazard



# Mitigation Initiative Format

- Includes hazard(s) addressed
- Background and need
- Lead Department
- Cost and Time
- Funding source
- Source (how/where initiative was identified)
- Status



Annex: City of Tumwater

**TUM-EH-31: Include retrofitting and replacement of critical system elements in the Capital Facilities Plan**

**Benefit-Cost Review Score:** 31

**Status:** New

**Hazard Addressed:** Earthquake

**Category:** Hazard Damage Reduction

**Background and Need:** Repair, replacement, and improvements to existing critical systems and critical infrastructure with seismic retrofits are included as part of the [City 2020 Water System Plan](#). A seismic backbone map was drafted to identify critical structures and the distribution systems that would be used to serve the public after a seismic event. Inspections and assessments of key infrastructure, such as bridges, water towers and pump stations, sewer lift stations, and water and sewer main lines, should be completed in regard to their ability to withstand earthquakes will help to prioritize projects and upgrades. The Water Resources & Sustainability Department noted that formal physical assessments have not yet been completed; however, the City can plan for this in the upcoming biennial budget and Capital Facilities Plan processes. High level recommendations have been incorporated into Comprehensive Plan documents. Bridge inspections are performed for the condition of the bridge, and it is performed every two years. If the condition warrants further analysis, like load ratings or seismic analysis, they are performed separately to address the concern. The current condition of City bridges has not warranted the deeper seismic analysis. A recent load rating was performed on Capitol Street bridge per new federal requirements. This is the only structure in City that meet the specific requirements warranting the load rating.

**Relates to Plan Goal(s) and Objectives:** 2a, 2b, 2c, 2d, 8b

**Lead:** Water Resources & Sustainability Department

**Estimated Cost:** Medium

**Time Period:** 2025

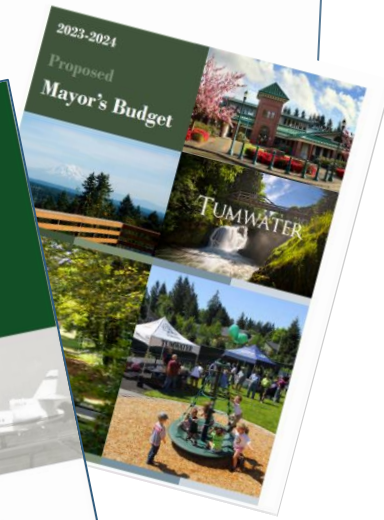
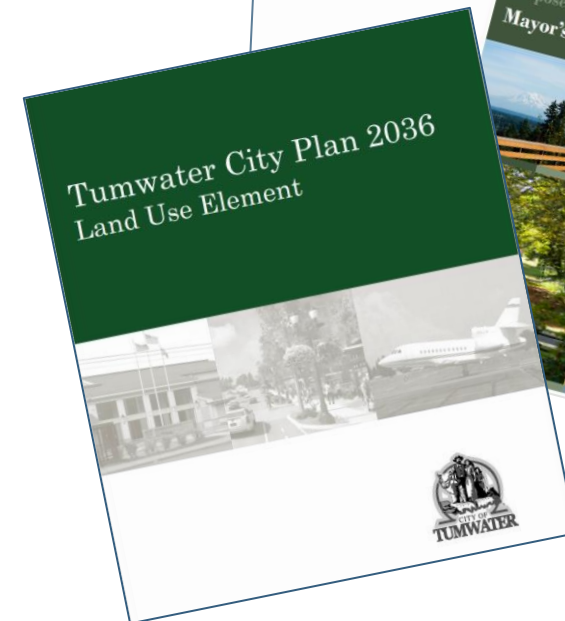
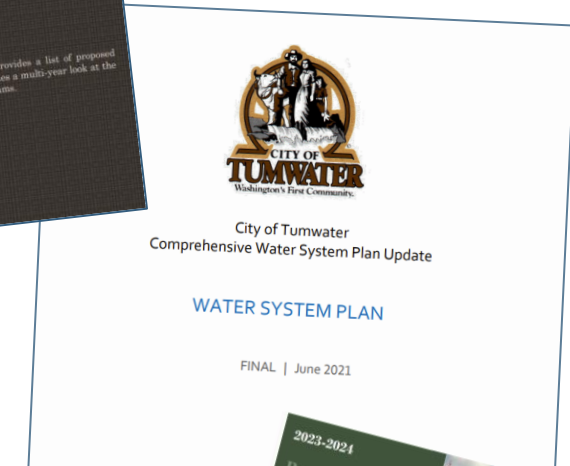
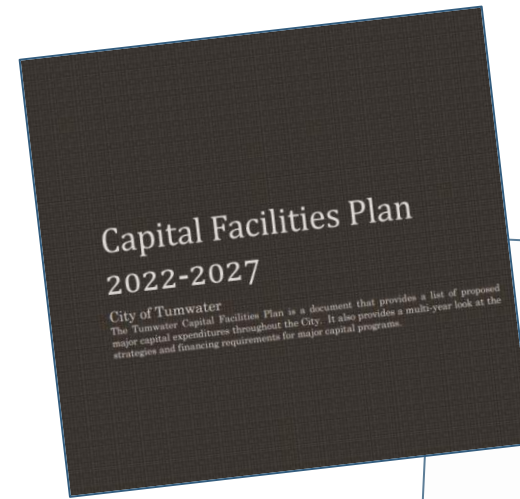
**Funding Source:** Grants and City

**Source and Date:** Hazards Mitigation Catalog, Capital Facilities Plan, Comprehensive Plan periodic update

**Initiative and Implementation Status:** Some critical assets are inventoried in WebEOC. Implementing this project has been challenged by budget constraints, personnel changes, and COVID 19 response.

# Integration of City Annex

- Capital Facilities Plan
- Biennial Budget
- 2020 Water System Plan
- Deschutes Flood Reduction Study
- City of Tumwater Comprehensive Plan
- Development Code
- 2023 & 2024 City Work Programs



# Plan Structure

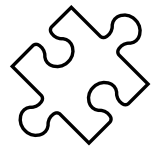
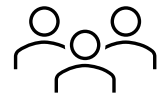
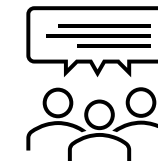


Table of Contents
List of Tables
Adopting Resolution
Community Profile
Summary and Adoption
City Annex Development process
City Risk Assessments
Mitigation Strategy
Benefit Cost Review Results
Public Comment Summary
Appendix A - Community Capability Assessment
Appendix B - NFIP Assessment





# Monitoring & Maintenance



The Planning Team is responsible for monitoring and maintaining the plan



The Planning Team will create a process to track and monitor the initiatives and status



The Annex and Regional Plan will be the basis for the climate resiliency sub-element in 2025 Comprehensive Plan Update

# Plan Update

- Several Hazards Mitigation plan workgroup meetings were held
- Multiple opportunities for public engagement
- The draft City Annex was submitted for final public comment November 3 to 17, 2023
- The Core Plan, City Annex, and plan review tool were submitted to Washington Emergency Management Division (WAEMD) November 27, 2023
- WAEMD completed their review in January 2024



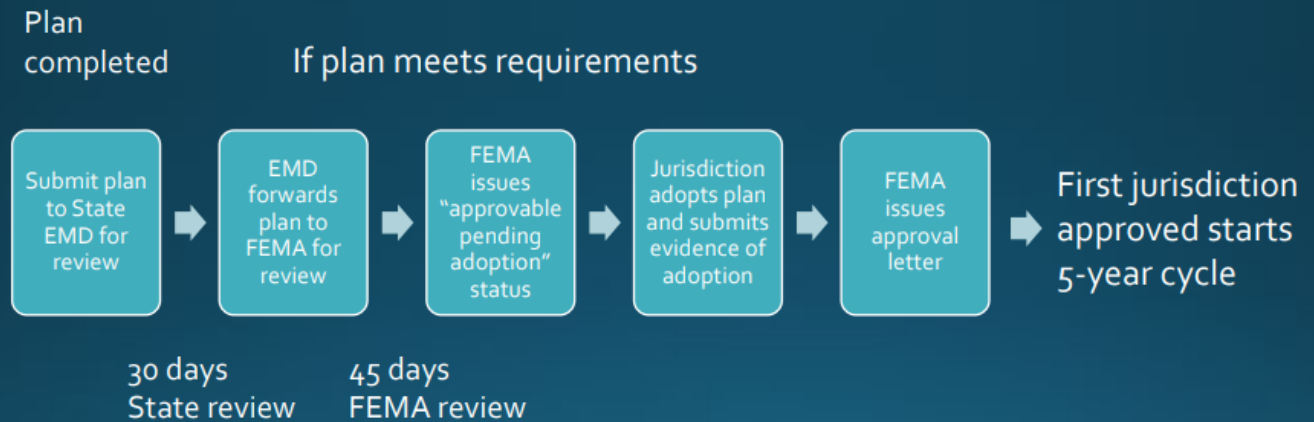
Public Outreach Activities	Date
Thurston Regional Planning Council Community Survey	June 1- July 31, 2022
Article in <i>The Olympian</i> regarding the Community Survey	July 11, 2022
City Council Briefing	June 21, 2022
Draft Action Plan Open House and Survey	July 24-August 25, 2023
Planning Commission Briefing	July 25, 2023
Volunteering at Thurston County Fair – Thurston County Emergency Management Booth	July 26, 2023
Planning Commission Briefing	July 25, 2023
General Government Committee Briefing	August 9, 2023
Emergency Preparedness Expo	September 23, 2023
Final Draft Plan Public Comment Period	November 3- November 17, 2023
Final City Annex and Core Regional Plan to Washington Emergency Management Division	November 2023
FEMA Review	November 2023
Planning Commission Work Session	January 9, 2024

# Approval Process

- FEMA finished their review with one minor revision was requested
- February 8, 2024, FEMA notified TRPC that they will be issuing Approved Pending Adoption letter
- Each Annex must reference and adopt the Regional Mitigation Initiatives



## Approval and Adoption Process



# Next Steps

## City Council – Resolution R2024-001

- Planning Commission recommendation is approval

