

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

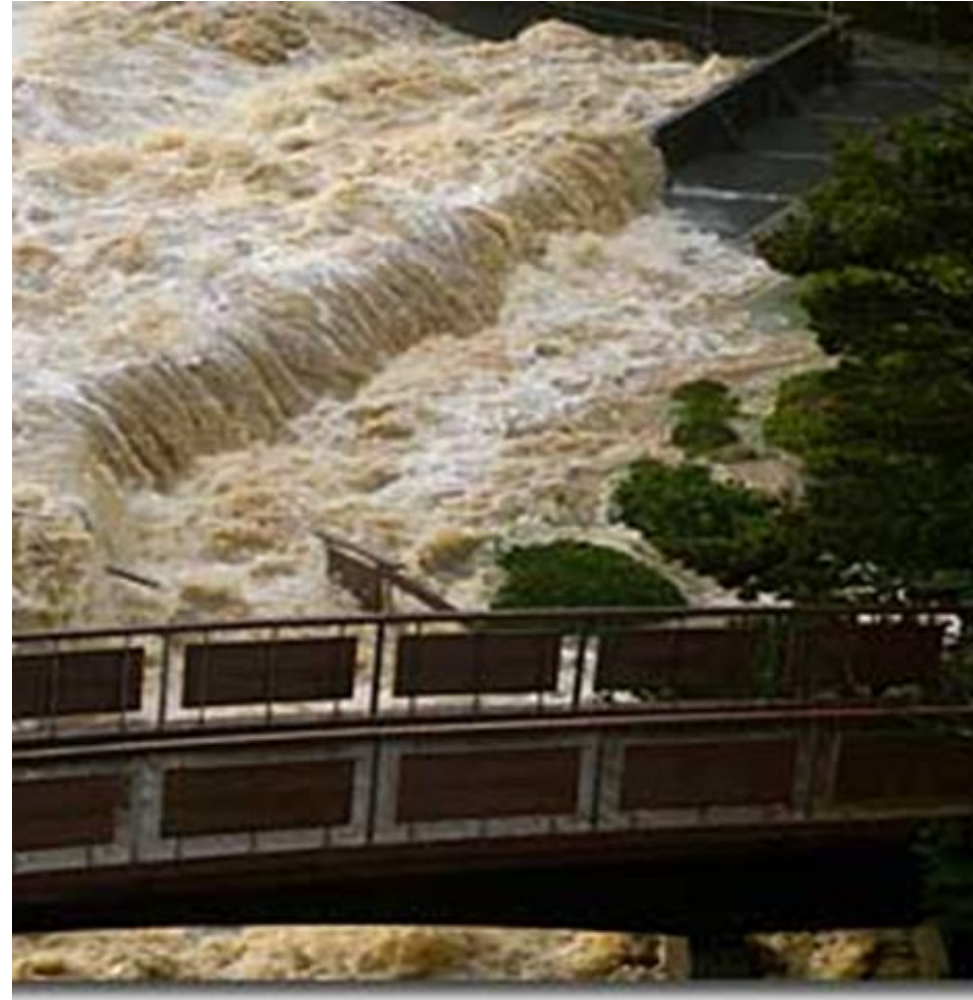


HAZARDS
MITIGATION PLAN
FOR THE THURSTON REGION



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

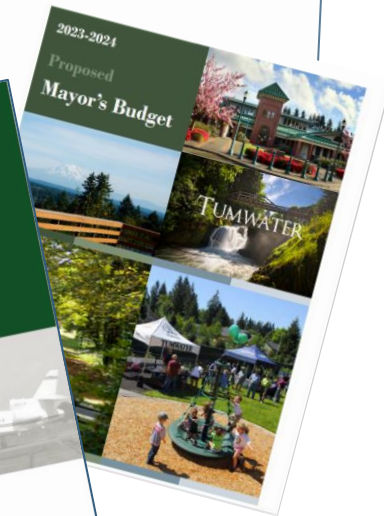
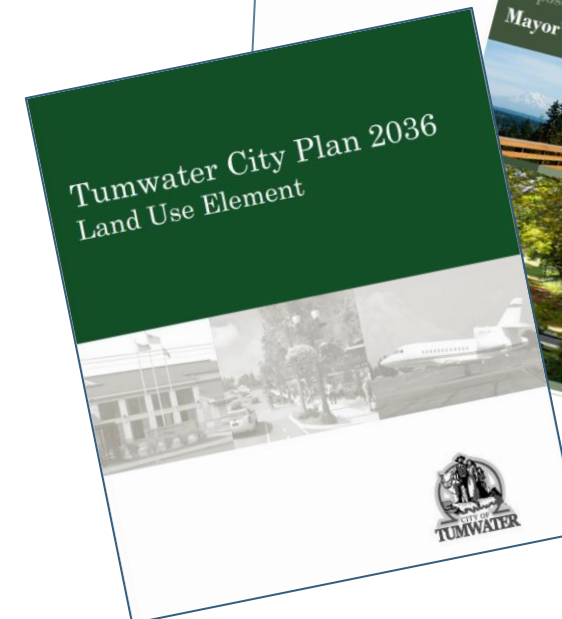
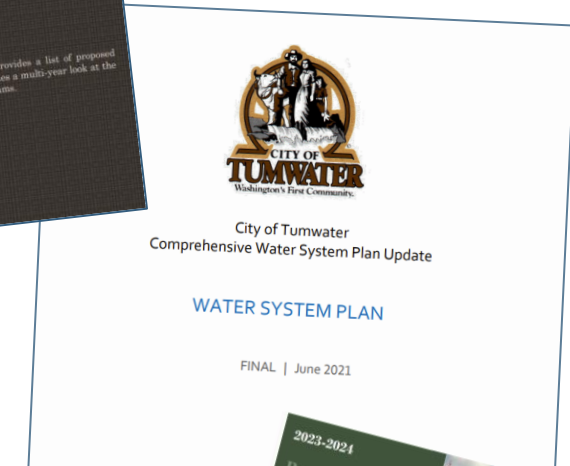
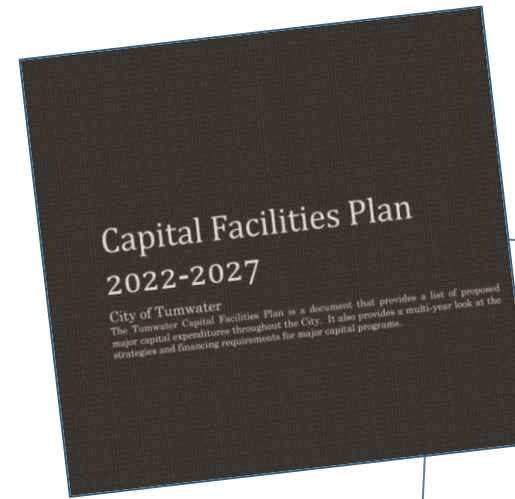
Funding Source: Grants and City

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

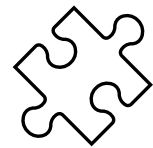
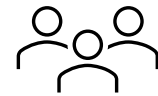
Initiative and Implementation Status: Some critical assets are inventoried in WebEOC. Implementing this project has been challenged by budget constraints, personnel changes, and COVID 19 response.

Integration of City Annex

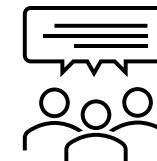
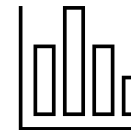
- Capital Facilities Plan
- Biennial Budget
- 2020 Water System Plan
- Deschutes Flood Reduction Study
- City of Tumwater Comprehensive Plan
- Development Code
- 2023 & 2024 City Work Programs



Plan Structure



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| Adopting Resolution |
| Community Profile |
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| 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



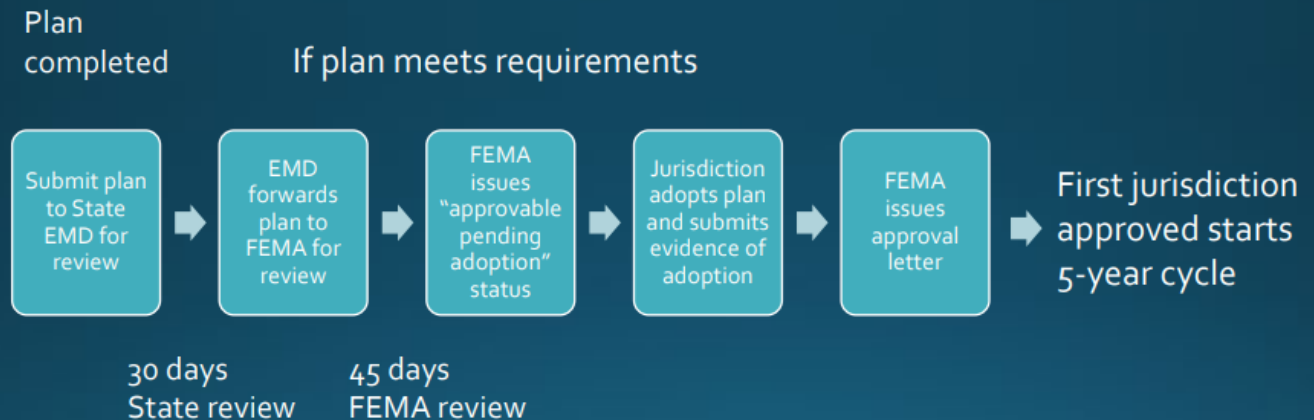
| Public Outreach Activities | Date |
|---|-------------------------------|
| Thurston Regional Planning Council Community Survey | June 1- July 31, 2022 |
| Article in <i>The Olympian</i> regarding the Community Survey | July 11, 2022 |
| City Council Briefing | June 21, 2022 |
| Draft Action Plan Open 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

- Work Session – February 27, 2024
- Consideration – March 5, 2024

