

EXECUTIVE SUMMARY

Introduction

Historically, the residents of the Thurston Region have experienced the effects of various natural hazards. The most prevalent natural hazards have been flooding, earthquakes, storms, and landslides. As the population of the county has increased, so has the potential for exposure to natural hazards, putting the area's residents at a greater risk than in the past.

Thurston County, home to a population of 207,355 during the official census in the year 2000, is characterized by a diverse landscape and climate. This diversity lends itself to the risk for natural hazards associated with the terrain, weather, and soil conditions. Since 1962, there have been 17 federally declared disasters. Most recently was the February, 2001 Nisqually Earthquake which reached a magnitude of 6.8. The following day, the Governor requested federal assistance and estimated the economic consequences at two billion dollars.

In an effort to manage risk, contain costs, and promote sustainable communities, the Federal government outlined new mitigation planning requirements for local governments in the Disaster Mitigation Act of 2000. Although it is difficult to predict when the next disaster will occur, or the extent of an event, collaborative planning between public entities, private sector organizations and the citizens of the region will help minimize or mitigate the resulting losses.

Natural hazard mitigation is defined as development and implementation of activities designed to reduce or eliminate losses resulting from natural hazards. In 2002, in response to the identified need in Thurston County for formal natural hazards mitigations planning, the County applied for and received grant funding from the Washington State Military Department and the Federal Emergency Management Agency (FEMA). This grant, along with the associated local match has been used to develop this planning document that addresses the hazards that have historically occurred most prevalently and have caused the most damage.

Early in 2003, Thurston County invited local jurisdictions and taxing entities in the Thurston Region to join with them in a multi-jurisdictional planning effort. This plan marks the beginning step towards a formal process for natural hazard mitigation planning in Thurston County. It establishes a framework of research, information, and public education/involvement that can be expanded in the future to meet the needs of the region.

Plan Purposes

The plan is intended to serve many purposes. These include the following:

- Provide a Methodical Approach to Mitigation Planning.
- Enhance Public Awareness and Understanding of Natural Hazards.

- Create a Decision- Making Tool for Policy and Decision Makers.
- Promote Compliance with State and Federal Program Requirements.
- Assure Inter-Jurisdictional Coordination of Mitigation-Related Programming.
- Create Jurisdiction Specific Hazard Mitigation Plans for Implementation.

Planning Partners

A multi-jurisdictional planning effort has been guided by the above purposes and goals. The members of the Thurston County Emergency Management Council served as the steering committee and the convening body for the plan. The Hazards Mitigation Planning Workgroup acted as the planning committee and consisted of representatives from the jurisdictions as well as from taxing entities in the region. As a State Hazard Mitigation Grant Program recipient, Thurston County Emergency Management served as lead entity. The Thurston Regional Planning Council provided staff on contract to support both the Planning and Steering committees. The planning partners are from the following jurisdictions and organizations:

- Thurston County
- City of Lacey
- City of Olympia
- City of Tumwater
- City of Tenino
- City of Yelm
- Confederated Tribes of the Chehalis Reservation
- Intercity Transit
- Olympia School District
- Rainer School District
- The Evergreen State College
- Thurston County Fire Chiefs Association (*on behalf of Fire Districts #4, 9 and 13*)
- Tumwater School District

Public Participation

A variety of methods were used to encourage public participation in the planning process as well as educate the public about hazard mitigation efforts in their communities. Two public meetings where attendees could access information regarding the plan as well as hazard mitigation were held. The first was held in Olympia on May 19, 2003. In order to reach south county residents, there was a second meeting held on May 20, 2003 in Tenino. There were two press releases sent to all media sources in Thurston County which resulted in a feature article and radio interview. Planning information as well as the draft plan were also available on the Internet at www.trpc.org.

Risk Assessment

An assessment of risks to the hazards of storm, flood, landslide and earthquake was performed to provide the factual basis for the mitigation initiatives proposed in the plan. The risk assessment included the following elements:

- An identification and description of the type of natural hazard most likely to affect the region.
- A profile of the hazard events describing the location and extent of the natural hazard, including information on previous occurrences.
- Information on the impact of the hazard on the community in terms of identifying assets and estimating potential losses.

Data tables in the plan provided a survey of the population at risk within the hazard areas, an estimate of the inventory of assets and their dollar value for the years 2000 and 2025 and also the number of critical facilities in the hazard areas.

Mitigation Goals

The following goals guided the development of the mitigation initiatives and are expected to be implemented in the community by the year 2025:

- All sectors of the community work together to create a disaster resistant community.
- Local and state government entities have the capabilities to develop, implement, and maintain effective natural hazards mitigation programs in the Thurston region.
- Collectively the communities in the Thurston region have the capacity to initiate and sustain emergency operations during and after a disaster.
- Local government operations are not significantly disrupted by disasters from natural hazards.
- Reduce the vulnerability to natural hazards in order to protect the health, safety and welfare of the community's residents and visitors.
- Local governments will support natural hazards mitigation planning, and implement the mitigation initiatives for their jurisdiction.
- The local infrastructure of communities in the Thurston region is not significantly affected by a disaster from a natural hazard.
- Residents understand the natural hazards of the Thurston region and are aware of ways to reduce their personal vulnerability to those hazards.

Mitigation Initiatives

Mitigation initiatives are the central piece in the "*Natural Hazards Mitigation Plan for the Thurston Region*". It is through the implementation of these initiatives that the communities of the Thurston region will truly become disaster resistant.

The term “mitigation initiatives” is a relatively new addition to the lexicon of hazard management. For the purposes of this document, mitigation initiatives are defined as activities designed to reduce or eliminate losses resulting from natural hazards. These are the initiatives that the participating jurisdictions and organizations would implement when resources become available to do so. Examples of mitigation initiatives range from placing flood poles in rivers to replacing a masonry block fire station which was damaged in the Nisqually 2001 earthquake. Other mitigation initiatives include acquiring additional data during the next plan update as well as applying to the Community Rating System (CRS) to reduce the private flood insurance rates for local residents.

Mitigation Initiatives by Jurisdiction

County Wide			
Hazard Code	Initiative	Priority	Cost
CW-EH 1	Obtain digital data and update the GIS map for liquefaction susceptibility, and create a new GIS map for strong ground motion.	1 of 10	\$50,000*
CW-EH 2	Improve the technical analysis of earthquake hazards in the county.	2 of 10	\$50,000*
CW-FH 1	Obtain digital data and create GIS maps of the flood inundation from possible dam failures of the Skookumchuck Dam on the Skookumchuck River, and the Alder and La Grande Dams on the Nisqually River.	3 of 10	\$50,000*
CW-MH 1	Continue to refine the list of the region's critical facilities and jurisdictional asset data, geocode these locations, and update their financial value.	4 of 10	\$50,000*
CW-MH 2	Develop a more detailed approach to estimating the inventory of assets and potential loss from natural hazards.	5 of 10	\$50,000*
CW-MH 3	Update the risk assessment for tribal areas of the county.	6 of 10	\$50,000*
CW-MH 4	Create a lifeline transportation route GIS map for the Thurston region and integrate the data into the Thurston County Emergency Operations Plan.	7 of 10	\$20,000
CW-MH 5	Add "wildfire" and "volcanic hazards" for the next plan update, obtain data necessary for the risk assessment, and create related mitigation initiatives.	8 of 10	\$50,000
CW-SH 1	Improve the capabilities of managing debris from severe winter storm events.	9 of 10	\$20,000
CW-SH 2	Thurston County and other participating governmental entities should work with the regional providers of electricity to assess ways to reduce power outages, improve the reliability of the power grid supplying the county, and seek ways to minimize local service problems.	10 of 10	\$5,000

*Part of 2008 NHMP update.

Confederated Tribes of The Chehalis Reservation			
Hazard Code	Initiative	Priority	Cost
CTCR-FH 1	Install an 800 number for all employees and Tribal members to call when flooding occurs.	1 of 3	\$0
CTCR-FH 2	Improve main access road (Anderson Road) for access on and off Reservation during annual flood events.	2 of 3	\$2,500,000
CTCR-EH 1	Inspect all critical facilities for earthquake readiness.	3 of 3	Unknown
Intercity Transit			
IT-MH 1	Replace the current 15,000 KW emergency generator at Intercity Transit with a 750,000 KW generator.	1 of 1	\$150,000
Lacey			
L-EH 2	Pursue seismic upgrades to water and wastewater facilities that do not meet current seismic codes.	1 of 10	Unknown
L-MH 4	Enhance and upgrade the alternate Emergency Operations Center located at the Lacey Maintenance Administration Building.	2 of 10	\$10,000
L-MH 1	Develop and maintain a Comprehensive Operations Response plan to enable quicker, more coordinated response after a disaster.	3 of 10	\$10,000
L-FH 3	Develop emergency response plans for wells 19a and 19c which are located in the Nisqually Valley.	4 of 10	\$1,000-2,000
L-EH 1	Continue funding the water line replacement program to ensure water supply lines are constantly being upgraded.	5 of 10	\$660,000
L-FH 2	Encourage the purchase of flood insurance and apply for enrollment in the National Flood Insurance Program in the Community Rating System (CRS), to lower flood insurance premiums.	6 of 10	Unknown
L-FH 1	Identify and map public and private properties in the 100-year floodplain.	7 of 10	\$1,000
L-EH 3	Reduce hazards inside the City of Lacey facilities to prevent property damage and enhance ability to recover and respond after an earthquake.	8 of 10	Unknown
L-MH 2	Develop, enhance, and implement education programs aimed at mitigating natural hazards, and reducing the risk to citizens, public agencies, private property owners, businesses, and schools.	9 of 10	\$1,000-3,000
L-MH 3	Develop public and private partnerships to foster natural hazard mitigation program coordination and collaboration.	10 of 10	Unknown

Olympia			
Hazard Code	Initiative	Priority	Cost
OLY-FH 1	Place flood elevation poles and staff gauges along Capitol Lake.	1 of 8	\$1,000
OLY-MH 2	Undertake seismic and windstorm retrofits for the KGY radio complex and its associated structures and antenna so that they can provide county wide communications point for the Emergency Alert System (EAS).	2 of 8	\$2,400,000
OLY-FH 2	Prepare a public information program which focuses on the consequences of floods.	3 of 8	Unknown
OLY-MH 1	Upgrade Olympia's UHF radio system.	4 of 8	\$300,000
OLY-EH1	Undertake seismic retrofit of critical facilities and infrastructure in the city.	5 of 8	\$18,800,000
OLY-SH 1	Replace the existing overhead utility lines throughout the City of Olympia.	6 of 8	\$49,300,000
OLY-LH 1	Protect the roads and buildings along Lakeridge Drive and the east side of Capitol Lake from landslide hazards.	7 of 8	\$1,800,000
OLY-FH 3	Adopt development regulations for high groundwater areas.	8 of 8	Unknown
Olympia School District			
OSD-MH 1	Collect data to create emergency school bus route maps.	1 of 3	\$10,000
OSD-EH 1	Undertake a seismic study of all district facilities built between 1986 and 1996 to determine seismic risk.	2 of 3	\$35,000
OSD-MH 2	Actively participate in planning and hazard preparation with local governments, business community, and volunteer organizations. Implement mitigation initiatives into the district's policies, procedures, and capital facilities improvement plans.	3 of 3	\$50,000
Rainier School District			
RSD-EH 1	Contract with structural engineer to perform structural review of the high school and elementary buildings to determine seismic stability. Implement changes necessary to bring buildings up to current codes, where possible.	1 of 3	\$1,000,000
RSD-MH 1	Collect data to create emergency school bus route maps.	2 of 3	\$10,000
RSD-SH 1	Improve awareness of possible damage to buildings and surrounding campus in the event of a major storm. Identify trees or other objects that might fall or be blown into buildings causing damage to structures.	3 of 3	\$50,000

Tenino			
Hazard Code	Initiative	Priority	Cost
TEN-MH 1	Purchase and install a 15KW generator at the Tenino Police Building.	1 of 2	\$20,000
TEN-MH 2	Retrofit the Tenino City Fire Hall building and set up an alternate disaster command center.	2 of 2	\$25,000
The Evergreen State College			
TESC-EH 1	Undertake a seismic retrofit of the Child Care Center on The Evergreen State College campus.	1 of 20	\$9,000
TESC-EH 2	Undertake a seismic retrofit of the Daniel J Evans Library Building on The Evergreen State College campus.	2 of 20	\$2,090,000
TESC-EH 3	Undertake a seismic retrofit in Clocktower on The Evergreen State College campus.	3 of 20	\$183,000
TESC-EH 4	Replace the chlorine gas at the CRC pool, Campus Recreation Center on The Evergreen State College campus.	4 of 20	\$50,000
TESC-EH 5	Install seismic gas valves on master gas meter for The Evergreen State College campus.	5 of 20	\$75,000
TESC-EH 6	Develop an Emergency Preparedness Plan for The Evergreen State College.	6 of 20	\$100,000
TESC-EH 7	Undertake a seismic study of the Lab Annex on The Evergreen State College campus.	7 of 20	\$1,000
TESC-EH 8	Undertake a seismic study of the College Activities Building on The Evergreen State College campus.	8 of 20	\$14,000
TESC-EH 9	Undertake a seismic study of the Communications Building on The Evergreen State College campus.	9 of 20	\$15,000
TESC-EH 10	Undertake a seismic retrofit of Lab II on The Evergreen State College campus.	10 of 20	\$400,000
TESC-EH 11	Undertake a seismic retrofit of Lab I on The Evergreen State College campus.	11 of 20	\$250,000
TESC-EH 12	Undertake a seismic study of the Seminar Building on The Evergreen State College campus.	12 of 20	\$8,500
TESC-EH 13	Undertake a seismic retrofit of Dorm A on The Evergreen State College campus.	13 of 20	\$1,100,000
TESC-EH 14	Undertake a seismic retrofit of the College Recreation Center on The Evergreen State College campus.	14 of 20	\$39,000
TESC-EH 15	Undertake a seismic retrofit of the Central Utility Plant on The Evergreen State College campus.	15 of 20	\$130,000
TESC-EH 16	Undertake a seismic retrofit of the Shops Complex on The Evergreen State College campus.	16 of 20	\$50,000
TESC-EH 17	Undertake a seismic retrofit of the Geoduck House on The Evergreen State College campus.	17 of 20	\$4,000
TESC-EH 18	Undertake a seismic retrofit of the Campus Building Connecting Bridges on The Evergreen State College campus.	18 of 20	\$50,000

The Evergreen State College (continued)			
Hazard Code	Initiative	Priority	Cost
TESC-EH 19	Undertake a seismic retrofit of the Organic Farmhouse on The Evergreen State College campus.	19 of 20	\$30,000
TESC-LH 1	Continue to assess the geological stability of the bluff at the President's Residence for The Evergreen State College.	20 of 20	\$5,000
Thurston County			
TC-FH 1	Continue Thurston County's enrollment in the Community Rating System (CRS) program as a part of the National Flood Insurance Program.	1 of 28	Unknown
TC-EH 1	Perform evaluations of publicly owned critical facilities in the county to identify structural seismic vulnerabilities of schools and universities, public infrastructure, and critical facilities.	2 of 28	\$100,000
TC-FH 7	Remap the floodplains for all rivers, streams, and high groundwater areas and update the Flood Insurance Rate Maps (FIRMs).	3 of 28	\$47,000
TC-FH 15	Draft a prioritized list of which floodplain residences the county would acquire (buyout) if state and federal monies are available.	4 of 28	\$20,000
TC-FH 16	Draft a prioritized list of which residences the county would help elevate above the 100 year floodplain, if state or federal monies are available.	5 of 28	\$20,000
TC-FH 19	Develop a warning system for the Nisqually and Skookumchuck River dams with their property owners, the Department of Ecology, the downstream communities and residents.	6 of 28	\$100,000
TC-FH 14	Prepare new drainage basin plans in priority areas such as Salmon and Yelm Creeks.	7 of 28	\$200,000-400,000
TC-FH 2	Secure funding for flood related projects within the 20-year Stormwater Capital Facilities Plan.	8 of 28	\$40,000
TC-EH 2	Develop a public outreach program for earthquake preparedness.	9 of 28	\$42,500
TC-FH 6	Prepare and distribute public information program which focuses on the consequences of floods.	10 of 28	\$25,000
TC-FH 4	Continue to be actively involved in the multiple jurisdiction flood hazard reduction efforts within the Chehalis River basin.	11 of 28	Unknown
TC-FH 5	Install and maintain flood elevation poles and staff gauges along major rivers and within chronic groundwater flooding areas.	12 of 28	\$10,000
TC-FH 10	Reevaluate land uses and zoning based upon new floodplain maps.	13 of 28	Unknown
TC-MH 1	Prepare a plan and subsequent mitigation initiatives for how essential functions of county government will be reestablished during or after a disaster.	14 of 28	\$20,000

Thurston County (continued)			
Hazard Code	Initiative	Priority	Cost
TC-LH 2	Prepare a landslide vulnerability index for county roads.	15 of 28	\$100,000
TC-FH 3	Expand the Thurston County Stormwater Utility rate boundary to include all unincorporated areas.	16 of 28	\$20,000
TC-SH 1	Develop a public outreach program for storm preparedness.	17 of 28	\$42,500
TC-MH 2	Coordinate existing plans for post disaster inspections of critical facilities and other publicly owned buildings.	18 of 28	\$7,500
TC-FH 8	Map the channel migration zones for all rivers in the region and the extent of high quality riparian habitat.	19 of 28	\$100,000
TC-FH 12	Work with others to determine the width and conditions of buffers along river and stream shorelines.	20 of 28	\$25,000
TC-FH 9	Develop mapping protocols to archive all flood maps and data sets so they can be reused at a later date.	21 of 28	Unknown
TC-FH 17	Work with landowners and others to establish reforested corridors along river and stream shorelines.	22 of 28	Unknown
TC-FH 13	Draft a Comprehensive Plan policy which encourages the creation and use of wetland mitigation bank.	23 of 28	\$5,000
TC-FH 11	Revise shoreline regulations to encourage "shoreline protective structures" to be "bioengineered".	24 of 28	\$5,000
TC-FH 18	Encourage research into bioengineering and other techniques which provide streambank protection and improve fisheries through the use of large woody debris. Support local demonstration projects which could provide such research.	25 of 28	Unknown
TC-LH 1	Limit activities in identified potential and historical landslide areas through regulation and public outreach.	26 of 28	\$15,000
TC-FH 20	Implement the recommendation of the adopted stormwater drainage basin plans.	27 of 28	\$375,000
TC-FH 21	Undertake a study of repetitive loss structures and properties not already identified by FEMA.	28 of 28	\$7,500
TC Fire District #4			
TCFD4-EH 1	Replace Headquarters Station 41 with a seismically safe structure.	1 of 1	\$1,500,000
TC Fire District #9			
TCFD9-LH 1	Stabilize the hillside behind Station 95 to eliminate the landslide hazard.	1 of 4	\$20,000
TCFD9-EH 2	Provide a district-wide Community Emergency Response Team (CERT) training.	2 of 4	\$6,000
TCFD9-EH 1	Perform structural evaluations and subsequent recommended seismic retrofitting of current Fire District facilities.	3 of 4	\$25,000
TCFD9-EH 3	Establish a designated Emergency Coordination Center (ECC) at Station 91.	4 of 4	\$5,000

TC Fire District #13			
Hazard Code	Initiative	Priority	Cost
TCFD13-MH 1	Establish the four fire stations as emergency management centers after a disaster.	1 of 1	\$19,800
Tumwater			
TUM-EH 1	Conduct a voluntary non-structural earthquake readiness inspection for all critical facilities.	1 of 20	\$1,000
TUM-SH 1	Inspect all trees within falling distance of critical facilities to determine if they pose a hazard during a storm.	2 of 20	\$2,500
TUM-EH 2	Conduct a seismic structural analysis of all critical facilities.	3 of 20	Unknown
TUM-FH 14	Secure funding for the stormwater related projects within Tumwater's 6-year Capital Facilities Plan.	4 of 20	Unknown
TUM-FH 12	Construct a stormwater detention and treatment facility for Tumwater's municipal stormwater that is not currently contained or treated.	5 of 20	\$832,000
TUM-FH 15	Install flood elevation poles along the Deschutes River.	6 of 20	\$1,000
TUM-FH 9	Install groundwater level monitoring wells equipped with automated water level monitors within the areas of the Salmon Creek basin that are located within the City of Tumwater.	7 of 20	\$24,000
TUM-LH 1	Replant native vegetation along the rivers to stabilize banks and to prevent landslides.	8 of 20	Unknown
TUM-FH 8	Plant trees and other native vegetation and install large woody debris to prevent erosion and stream scour which occurs as a result of excessive runoff.	9 of 20	Unknown
TUM-FH 5	Determine the width and conditions of buffers along river and stream shorelines.	10 of 20	Unknown
TUM-FH 6	Work with landowners to reforest corridors along river and stream shorelines.	11 of 20	Unknown
TUM-FH 7	Encourage research into bioengineering and other techniques which provide streambank protection and support local demonstration projects which could provide such research.	12 of 20	Unknown
TUM-FH 1	Apply to FEMA to be included in the Community Rating System (CRS Program) as a part of the National Flood Insurance Program.	13 of 20	Unknown
TUM-FH 2	Mail flood insurance information to residents and property owners who live in a floodplain, and real estate offices.	14 of 20	\$500
TUM-FH 10	Draft a prioritized list of which floodplain residences Tumwater would acquire (buyout) if state and federal monies are available.	15 of 20	Unknown
TUM-FH 11	Draft a prioritized list of residences Tumwater would elevate above the 100-year floodplain, if state and federal monies are available.	16 of 20	Unknown

Tumwater (continued)			
Hazard Code	Initiative	Priority	Cost
TUM-FH 4	Adopt development regulations for high groundwater areas.	17 of 20	\$7,500
TUM-FH 3	Reevaluate land uses and zoning based upon new floodplain maps.	18 of 20	\$5,000
TUM-LH 2	Reevaluate development regulations in regards to steep slopes.	19 of 20	Unknown
TUM-FH 13	Continue to be actively involved in inter-jurisdictional flood hazard reduction efforts where Tumwater and other jurisdictions are located within the same basin.	20 of 20	Unknown
Tumwater School District			
TUMSD-EH 1	Identify seismic requirements and bring buildings up to current adopted building codes at the time school buildings are remodeled.	1 of 4	\$30,000,000
TUMSD-MH 1	Apply for U.S. Department of Education grant to help Tumwater School District plan for emergencies.	2 of 4	Unknown
TUMSD-MH 3	Install safety supply sheds outside all school district facilities. Safety sheds would be used for storing disaster relief, health and safety supplies to be used in the event of emergencies including those requiring evacuation of buildings.	3 of 4	\$24,000
TUMSD-MH 2	Adopt procedures for reporting and responding to road closures.	4 of 4	Unknown
Yelm			
Y-EH 2	Identify funding sources for structural and nonstructural retrofitting of publicly owned critical facilities listed in the City of Yelm's Emergency Disaster Plan that are identified as seismically vulnerable.	1 of 2	\$3,500,000
Y-EH 1	Replace Yelm Police Station with a seismically safe structure.	2 of 2	\$1,250,000

Plan Adoption

Each entity that has participated in the planning process and put forward mitigation initiatives must individually adopt the plan prior to November 2004 in order to be eligible for hazard mitigation grant funding programs. The following table shows the approving body for each entity that participated in the planning process:

Entity	Approving Body
Thurston County	Thurston County Board of Commissioners
City of Lacey	Lacey City Council
City of Olympia	Olympia City Council
City of Tumwater	Tumwater City Council
City of Yelm	Yelm City Council
Confederated Tribes of the Chehalis Reservation	Tribal Council of the Confederated Tribes of the Chehalis Reservation
Intercity Transit	Intercity Transit Authority
Olympia School District	Olympia School Board
Rainier School District	Rainier School Board
The Evergreen State College	The Evergreen State College Board of Trustees
Thurston County Fire District #4	Thurston County Fire District #4 Commissioners
Thurston County Fire District #9	Thurston County Fire District #9 Commissioners
Thurston County Fire District #13	Thurston County Fire District #13 Commissioners
Tumwater School District	Tumwater School Board

As the plan is considered for adoption, each entity will ensure that proper process is followed according to the laws or rules of their organization including adequate public notice and public hearings.

Prior to August 15, 2003, the Thurston County Board of Commissioners must adopt the plan to meet the State Hazard Mitigation Grant Program requirements. Following this adoption, the plan will be delivered to the State Military Department, Hazard Mitigation Officer for State Review and subsequent review by FEMA.

Plan Monitoring and Maintenance

The Thurston County Emergency Management Council (EMC) will be responsible for over-all plan monitoring and maintenance. They will review the plan every two years to consider changes in land development, population growth, or recent programs that may affect mitigation priorities. If a plan update is deemed necessary, the EMC will be responsible for establishing a work program and time frame for updating the plan. Without any intervening circumstances, the natural hazards mitigation plan is to be updated at least every five years, or after a major disaster where Thurston County is declared a federal disaster area.

Implementation through Existing Programs

Each governmental entity will be responsible for implementation of their individual mitigation initiatives based on funding availability and entity priorities. This implementation may include incorporating mitigation initiatives and activities into existing planning programs and activities. This would include amending the local governments' comprehensive plans for policies and programs, development regulations for building, zoning and subdivision code standards

In addition to plans, programs, and regulations, the entities may also incorporate the mitigation measures into their capital facilities plans (CFP's). The CFP identifies those major infrastructure developments or facilities which the entity has planned for a six, ten, or twenty year time frame.

Some of the jurisdictions have comprehensive emergency management plans (CEMP's). It is likely that when the CEMP's are updated, they will include parts of this plan, or be linked back to this document by reference.

Continued Public Involvement

The Emergency Management Council, as well as all of the entities that participated in this plan, are committed to continued public involvement and education. It will be important that natural hazards mitigation becomes integrated into existing programs and becomes part of the way jurisdictions make decisions about land use and facilities planning. In the city and county jurisdictions, comprehensive plan amendment processes and capital facilities planning all have elements of public notification and involvement. These processes will be available to promote public dialogue regarding the importance of hazard mitigation.

Many of the mitigation initiatives contain elements of public education should be funds become available to implement those initiatives. Continued public involvement should also be integrated into existing emergency preparedness activities and information in order to continue to educate the public on the importance of managing the risk for natural hazards. If there are efforts to re-write emergency preparedness public information pieces such as brochures, integration of natural hazards mitigation information will be considered.

Copies of the plan will be maintained in the offices of all of the governmental entities that participated in the planning process. The plan will be posted on the Thurston County Emergency Management web site. Copies of the plan have also been provided to the Timberland Regional Library for addition to their collection.

This page left blank intentionally.