

**PLANNING COMMISSION AGENDA ITEM**  
CITY OF SHORELINE, WASHINGTON

**AGENDA TITLE:** Hazard Mitigation Plan Update  
**DEPARTMENT:** Planning & Community Development  
**PRESENTED BY:** C. Ray Allshouse AIA, CBO, Building Official  
Rob Flaner, CFM, Hazard Mitigation Program Mgr., Tetra Tech  
Kristen Gelino, Junior Planner, Tetra Tech

**Public Hearing**  
 **Discussion**

**Study Session**  
 **Update**

**Recommendation Only**  
 **Other**

**INTRODUCTION**

The goal of the City of Shoreline Hazard Mitigation Plan is to identify and recommend projects and programs that when implemented, would eliminate, minimize, or otherwise mitigate the vulnerability of the people, property, environmental resources, and economic vitality of the community to the impacts of future disasters. These identified projects and programs are termed “mitigation initiatives” and constitute the principal component of the plan. The fundamental purpose of the Plan is to guide, coordinate, and facilitate the efforts of the agencies, organizations, and individuals participating as they seek funding, authority, or other resources necessary for implementation of mitigation initiatives.

After a review of the Planning Commissions Duties and Responsibilities under SMC 2.20.060 (B), namely, “The planning commission shall review land use management, shoreline management and environmental protection ordinances and regulations of the city and make recommendations regarding them to the city council”, it was determined that because this Plan does deal with land use management we are asking for your review. In 2004, the City of Shoreline formally adopted their first Washington State and FEMA approved Hazard Mitigation Plan. The Plan was a five year plan and it was renewed in 2009, expiring this year, 2014. The City must have an up to date FEMA approved Hazard Mitigation Plan in order to receive any post-disaster funding to help recover loss after a significant event that impacts our community and to apply for pre-disaster mitigation grants. After the initial briefing on June 19, 2014, staff incorporated feedback received from the commission and a citizen comment, clarifying the population and poverty statements in 1.2. In addition, a statement referencing the City interest in Pt Wells property in Snohomish County was added to 1.8 as well as the soil classification map at the end of the Annex as an exhibit.

**BACKGROUND**

The 2004 Plan identified 28 mitigation strategies. All 28 have been accomplished in the intervening five years. The 2009 plan had 26 mitigation strategies for the City to focus

**Approved By:**

**Project Manager** \_\_\_\_\_

**Planning Director** \_\_\_\_\_

on and we completed them as well. In 2013, we joined a King County wide initiative to have a King County Hazard Mitigation Planning effort and each jurisdiction have an Annex to their plan. To prepare the Hazard Mitigation Plan, the City signed on to participate in a Pre-Mitigation Planning Grant with Tetra Tech. The scope of work included developing all elements of the Plan, coordinating efforts with City stakeholders and key agencies, and submitting the Plan to the State/FEMA.

This update includes a review of work done to implement the 2009 Plan, an evaluation of new information as to the current hazards we face as a city and experience gained in recent events that impacted the City. Examples of those events include the severe winter snow and ice storms in January 2009 and January 2012. This Annex identifies 16 Mitigation Strategies that we will be working toward in the next five year period.

Per the requirements from FEMA on the development and renewal of the Plan, opportunity for public comment was required. The City hosted a well attended Community Meeting in September 2013, did an online survey, and has had a link to the draft plan on the City’s Web site for public review and comment. Finally the Plan has received extensive review by City staff and the Emergency Management Council.

This update focuses on the City’s risk assessment, which described the risks that the City is likely to experience from hazardous events. Sixteen specific strategies are identified that the City should focus on in the next five years to mitigate these risks to community members. Maintenance of this Plan lies with staff working with all of the other participating agencies as outlined in the Plan. In addition, the City uses the Shoreline Emergency Management Council as a stakeholder group to update them as to our progress on these strategies. The Emergency Management Council was established as a community based multi-disciplined administrative group, under the direction of the City Manager, to implement the emergency plans and policies established by the City Council.

The sixteen mitigation strategies identified in the Plan to be implemented over the next five year period are listed below. More specific discussion of the strategies is found in the full plan available at City Hall and on the City’s web site.

<b>Hazard mitigation action plan matrix</b>							
Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline	Included in Previous Plan?
<p><b>SH-1</b>—Continue to maintain compliance and good standing under the National Flood Insurance Program. This will be accomplished through the implementation of floodplain management programs that, at a minimum, will meet the minimum requirements of the NFIP, which include the following:</p> <ul style="list-style-type: none"> <li>• Enforcement of the adopted flood damage prevention ordinance,</li> <li>• Participating in floodplain identification and mapping updates, and</li> <li>• Providing public assistance/information on floodplain requirements and impacts</li> </ul>							
New and existing	Flood	2,4,10,12	Public Works	Low	Surface Water Utility Fund	Ongoing	No

<b>SH - 2</b> - The City of Shoreline City Hall facility, which is approximately 4 years old, doesn't have an alternate power supply. The City will be researching funding opportunities and will endeavor to have an alternative power supply in place by 2016.							
New	All Hazards	1, 3	Central Services	700,000.	CIP and other	2016	No
<b>SH - 3</b> - Continue to do public education outreach to our neighborhoods using the Map Your Neighborhood" tool so ensure communities can take care of themselves and those who live around them during a disaster event.							
<ul style="list-style-type: none"> <li>• Work with the Neighborhood Associations</li> <li>• Utilize CERT members to assist in this outreach</li> <li>• Use materials from the "What to Do to Make it Through" and "Take Winter by Storm" Campaigns</li> <li>• Identify those homes within the neighborhoods that have vulnerable or isolated populations living in them, specifically the Adult Family Homes and Boarding Homes</li> <li>• Utilize Social Media and Emergency Alert Systems to communicate preparedness and emergency messaging</li> </ul>							
Existing	All Hazards	6, 8, 11	Community Services Division (CSD)	Low	General and Grant funds	Ongoing	Yes
<b>SH - 4</b> - Continue to ensure operational readiness of the Emergency Operations Center and establish the backup EOC in a new location at the Washington State Public Health Lab.							
<ul style="list-style-type: none"> <li>• Identify technologies that will support communications internally and externally at the EOC</li> <li>• Reduce the noise level in the EOC by moving the Communications Team to a new location and researching sound proofing technologies</li> <li>• Establish a floor plan, communications plan, and technology issues for the back-up EOC</li> <li>• Activate the EOC at least once a year for an exercise and activate the back-up EOC once it is established at least every 2 years</li> </ul>							
New and Existing	All Hazards	1, 3	CSD	Med	General and Grant Funds	EOC by end of 2015 and back-up EOC by mid-2016	No
<b>SH - 5</b> - Salt Water Park Pedestrian Bridge Repair - replacing the decking and improving the structural integrity of the only access to Richmond Salt Water Beach Park. This bridge is the only way to access the beach and it crosses the Burlington Northern Railroad lines.							
<ul style="list-style-type: none"> <li>• Provides safe crossing for public access to the beach</li> <li>• Provides safe access for first responders to fight fires on the steep slopes and provide for rescue operations associated with medical emergencies and landslides</li> </ul>							
New and Existing	All Hazards	1, 3, 5	Parks	300,000.	CIP	2015	No
<b>SH - 6</b> - Storm water pipe replacement program - replace aging storm water infrastructure throughout the city.							
Existing	Flooding, Earthquake	1	Public Works	5.28 million	Surface Water Utility	2019	No
<b>SH - 7</b> - Surface Water Basin Planning - identify drainage, water quality, and habitat issues within specific drainage basins, and prioritize mitigation strategies.							
New and Existing	Flooding, Severe Weather	1, 5, 7, 8, 12	Public Works	730,000.	Surface Water Utility	2016	No
<b>SH - 8</b> - City of Shoreline will consider participating with Community Rating Systems for communities who participate in the National Flood Insurance Program (NFIP).							
Excising	Flooding	6, 8	Public Works	Low	General Fund	2016	No

<b>SH – 9</b> – Study the feasibility of replacing the aging Hidden Lake bridge on 10th Ave NW that is built on a ravine as its structural sufficiency rating is at a point that will require replacement soon. We will need to seek opportunities for funding the project.							
Existing	Earthquake , Landslide	1, 5, 8	Public Works	150,000.	Roads Capital	2015	No
<b>SH – 10</b> – Begin implementing strategies identified in the City of Shoreline Climate Action Plan.							
<ul style="list-style-type: none"> <li>• Through the new water utility, consider rate structures or incentives for customers to encourage water conservation</li> <li>• Utilize zoning and permitting methods to concentrate new growth in proximity of services and transit.</li> <li>• Identify opportunities for habitat improvements to reduce the urban heat island effect and support carbon sequestration in City open spaces.</li> </ul>							
New and Existing	All Hazards	1, 2, 4, 6, 10, 12	Public Works & Planning	High	Funding unknown	2019	No
<b>SH – 11</b> – Require new development to be designed and constructed to reduce or eliminate flood damage by requiring use of Low Impact Development techniques as required under the existing City Code.							
Existing	Flooding	2, 4, 10, 12	Planning & Public Works	Low	General Fund	Ongoing	No
<b>SH – 12</b> – Implement updated international building and residential codes.							
New	Flooding, Earthquake	2, 7, 10	Planning	Low	General Fund	2016	No
<b>SH-13</b> —Where appropriate, support retrofitting, purchase, or relocation of structures located in hazard-prone areas to protect structures from future damage, with properties with exposure to repetitive losses as a priority.							
Existing	All Hazards	5,7,9	Planning & Public Works	High	FEMA Grant funding, local match	Long-term	No
<b>SH-14</b> —Continue to support the county-wide initiatives identified in this plan.							
New and Existing	All Hazards	4,6,11,12,13, 14, 15	City	Low	General Fund	Short term	No
<b>SH-15</b> —Actively participate in the plan maintenance strategy identified in this plan.							
New and Existing	All Hazards	4,6,11,12,13, 14, 15	KCOEM City of Shoreline	Low	General fund	Short term	No
<b>SH-16</b> - Integrate the Mitigation Plan findings into planning and regulatory documents and programs.							
New and existing	All	2,10	Planning	Low	Local Budget	Short Term	No

## **PROPOSAL & ANALYSIS**

This plan has been approved by the Washington State Emergency Management Office of Hazard Mitigations and has been given tentative approval by FEMA. Final FEMA approval will come after the City Council adopts the plan.

## **RECOMMENDATION**

Following the Public Hearing the Planning Commission will be requested to make a formal approval recommendation to City Council.

## **LINKS**

[King County Hazard Mitigation Plan 2014 Draft](#)  
[City of Shoreline Annex to the Plan Draft](#)