



Executive Summary

Issue Title: Sea Level Rise Vulnerability and Risk Assessment
Meeting Date: August 20, 2024
Time Required: 45 Minutes
Department: Department of Community Development (DCD)
Attendees: Jim Rogers

Action Requested At This Meeting: No action necessary – review and comment on project overview, Community Engagement Plan, and Community Survey

Background:

Kitsap County has received grant funding from the Washington Department of Ecology to conduct a Sea Level Rise (SLR) Vulnerability and Risk Assessment. The assessment will identify potential losses or damages from flooding due to sea level rise; characterize the risk of loss; and highlight areas of the community, resources, infrastructure, or assets considered most vulnerable.

Goal:

The goal of this project is to complete an Assessment that can inform a variety of planning efforts and SLR adaptation strategy development, and to conduct outreach to both gather information from the public and increase community awareness about these topics.

Approach:

The project team will include a qualified consultant with expertise in coastal process, hazards, coastal erosion and flooding and RECIPIENT staff with expertise in transportation, utilities, and planning. The team will use existing data on coastal hazards and vulnerability to develop a Geographic Information System (GIS)-based model of localized SLR projections, inundation and erosion hazards resulting from SLR and migration of existing shorelines, coastal flooding and erosion hazards resulting from extreme events, and groundwater change. The analysis will be based on best available science and apply climate change scenarios for two future dates (e.g., 2050 and 2100). The team will select appropriate SLR scenarios for use in County planning and development contexts.

A final Assessment report will summarize coastal hazards and vulnerability across the County and identify where to focus adaptation efforts. Findings from the Assessment will be presented

to community groups and boards. The Assessment will be used for a variety of planning purposes including:

- Community engagement and neighborhood-based adaption planning;
- Adaptation of utility systems and capital facilities;
- Infrastructure planning and groundwater management planning; and
- Informing amendments to the Shoreline Master Program (SMP), flood regulation; Critical Areas Ordinance (CAO), Public Works Transportation Improvement Program, and Capital Facilities Plans for Wastewater and Stormwater, and Comprehensive Plan, etc.
- Informing development of the Kitsap Natural Resources Asset Management Program (KNRAMP)

Up to four (4) community engagement events will be conducted during and after the development of the Assessment to provide SLR projections and impacts in a publicly accessible format. In addition, a survey will be used to gather community input on community assets and values as well as experiences or concerns related to SLR impacts such as coastal flooding, erosion, and associated loss. Outreach efforts will also include coordination with Tribal partners, non-governmental organizations, government agencies and elected officials, businesses and industries, and community or neighborhood groups throughout the assessment process.

Attachments:

Community Engagement Plan
Project Overview Presentation
Draft Community Survey