Planning for Sea Level Rise

City Council
April 11, 2017
Pass resolution

– Establishes partnership to develop sea level rise response plan
  • Port of Olympia, LOTT Clean Water Alliance, City of Olympia

– Authorize the City Manager to sign the interlocal agreement
  • Defines cost sharing and general scope of work
The City uses best available information to implement a sea level rise management plan that will protect Olympia’s downtown.

- Develop a robust sea level response plan
- Maintain public control of downtown shorelines
- Use best available science
- Partner with other governments and key stakeholders
- Engage the community
- Require development to incorporate response measures
Our Downtown Is Vulnerable
The Planning Goal

Develop a formal community plan that prioritizes investments for best responding to sea rise, while protecting downtown economic, social, and environmental values. The plan will identify funding needs and sources, implementation schedules and responsibilities.
National Research Council West Coast Projections - 2012
Plan Approach

• Turn risk and vulnerability into strategies and decisions
  – Priorities
  – Actions
  – Timing
  – Funding
  – Responsibilities
  – Monitoring/thresholds
Leading the Plan

• Lead...Water Resources (Public Works)
• Staff team...PW, CP&D, Parks, Fire
• Executive coordination...PW, CPD, Legal, Communications
• Interjurisdictional...Port, LOTT, City, State
• Advisory committee...Utility Advisory Committee
• Expert review team
Current Work Efforts

April and May

• Detailed Scope of Work
• Outreach Strategy

• Return to City Council
### Plan Schedule

#### Sea Level Rise Draft Project Schedule and Outreach

<table>
<thead>
<tr>
<th>Project Steps</th>
<th>2017</th>
<th>2018</th>
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<tbody>
<tr>
<td>1. Assemble Project Team including Consultants</td>
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<td>2. Review Available Information and Identify Gaps</td>
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<td>3. Develop Planning Framework and Process</td>
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<td>4. Assess Risks and Vulnerabilities</td>
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<td>5. Develop Strategy and Decision-Making Tools</td>
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<td>6. Complete Draft Plan and Share with Community</td>
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<td>7. Revise Plan and Prepare for Adoption</td>
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<td>8. Adopt Plan</td>
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#### City of Olympia Outreach Tools

<table>
<thead>
<tr>
<th>Sea Rise Webpage</th>
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<tbody>
<tr>
<td>Project e-newsletter</td>
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<td>Utility Bill Insert</td>
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<td>Expert Review</td>
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<td>Stakeholder Meetings - TBD</td>
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<td>Annual Open House Presentation</td>
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<td>Utility Advisory Committee</td>
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#### Citywide, Expert Review, Interested Parties, Decision-makers & Advisory Committees

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Olympiawa.gov/sea level rise

With 1' of Sea Level Rise

One Foot
Low Projected Year: 2072 / Projection: 2053 / High Projected Year: 2031

Key Public Structures Affected
- Buildings Affected

- in an Annual Flood
  Elevation is 14 feet NAVD88 / 18 feet MLLW
  # Parcels Affected: 46
  Acres Inundated: 55
  Value of Buildings Affected: $71,446,241
  Value of Properties Inundated: $86,588,400
  Miles of Road Inundated: 4.1

- in a 100-year Flood
  Elevation is 15 feet NAVD88 / 19 feet MLLW
Sea Level Rise Response

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