# Planning for Sea Level Rise





City Council
April 11, 2017

#### **Business of the Evening**

#### 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

#### Olympia's Comprehensive Plan - 2014

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

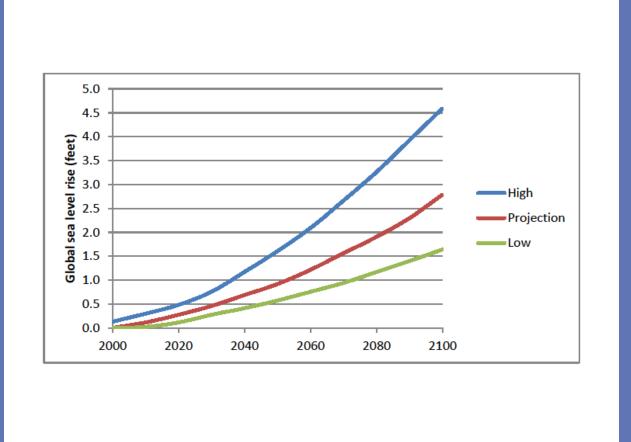


#### The Planning Goal

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	2017												2018												
	JAN	FEB	MAR	ΔPR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC		FEB	MAR	APR	ΜΔΥ	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	
Project Steps	37-114	TEB	IVIZA	Air	IVIZ	3014	JOL	AUG	JLI	001	1404	DEC	37414	TEB	IVIAIC	AIR	IVIZI	3011	JOL	AUG	JLI	001	1404	DEC	
Assemble Project Team including Consultants																									
2. Review Available Information and Identify Gaps																									
3. Develop Planning Framework and Process																									
4. Assess Risks and Vulnerabilities																									
5. Develop Strategy and Decision-Making Tools																									
6. Complete Draft Plan and Share with Community																									
7. Revise Plan and Prepare for Adoption																									
8. Adopt Plan																									
City of Olympia Outreach Tools																									
Sea Rise Webpage			0	•	0	0	0	0	0	0	0	0	0	0	0	0	•	•	•	0	0	•			
Project e-newsletter					0				0				0					0			0				
Utility Bill Insert									0										0					0	
										0			0							0					
Expert Review													_							_	_	_			
Stakeholder Meetings - TBD						0							0		0		0	0	0		0	0			
Annual Open House Presentation		•																							
Utility Advisory Committee				0					0					0			•				0				
Planning Commission						0							•						0		•				
City Council													0					0			•	•			
Citywide																									
Expert Review																									
Interested Parties																									
Decision-makers & Advisory Committees																									

### Olympiawa.gov/sea level rise

City of Olympia





Rising Sea Levels

#### One Foot

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



Olympia's Farmers Market

Key Public Structures 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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