Meeting Agenda

Land Use & Environment Committee

City Hall
601 4th Avenue E
Olympia, WA 98501

Information: 360.753.8244

Thursday, September 21, 2017 **5:30 PM** **Fire Station 1, 100 Eastside Street NE**

1. CALL TO ORDER

2. ROLL CALL

3. APPROVAL OF AGENDA

4. APPROVAL OF MINUTES

4.A 17-0912 Approval of August 17, 2017 Land Use and Environment Committee Meeting Minutes

Attachments: Minutes

5. COMMITTEE BUSINESS

5.A 17-0681 2017 Engineering Design and Development Standards (EDDS) Update

Attachments: EDDS webpage
List of 2017 EDDS topics

5.B 17-0682 Update on Sea Level Rise Planning in Olympia

Attachments: Planning Summary
Flowchart

5.C 17-0949 Briefing on West Bay Restoration & Park Master Plan

Attachments: Schedule and Outreach

6. REPORTS AND UPDATES

7. ADJOURNMENT

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City Hall
601 4th Avenue E.
Olympia, WA 98501
360-753-8244

Land Use & Environment Committee

Approval of August 17, 2017 Land Use and Environment Committee Meeting Minutes

Agenda Date: 9/21/2017
Agenda Item Number: 4.A
File Number:17-0912

Type: minutes **Version:** 1 **Status:** In Committee

Title
Approval of August 17, 2017 Land Use and Environment Committee Meeting Minutes

Meeting Minutes - Draft

Land Use & Environment Committee

City Hall
601 4th Avenue E
Olympia, WA 98501

Information: 360.753.8244

Thursday, August 17, 2017 **12:00 PM** **Room 207**

1. CALL TO ORDER

Chair Hankins called the meeting to order at 12:00 p.m.

2. ROLL CALL

Present: 3 - Chair Julie Hankins, Committee member Clark Gilman and Committee member Nathaniel Jones

OTHERS PRESENT

Community Planning and Development:
Keith Stahley, Director
Leonard Bauer, Deputy Director
Tim Smith, Principal Planner
Shelly Bentley, Urban Forestry Program Manager
Stacey Ray, Senior Planner
Stacey Rodell, Minutes Recorder
Public Works:
Kate Harman, Water Resources Habitat Biologist
Sound Urban Forestry:
Kevin McFarland, Consultant

3. APPROVAL OF AGENDA

The agenda was approved.

4. APPROVAL OF MINUTES

4.A 17-0854 Approval of July 20, 2017 Land Use and Environment Committee Meeting Minutes

The minutes were approved.

5. COMMITTEE BUSINESS

5.A 17-0839 Master Street Tree Plan Update

Ms. Bentley and Mr. McFarland provided an update on the Master Street Tree Plan via a PowerPoint presentation. A copy of the presentation can be found under meeting details

on the City's website.

The information was received.

5.B 17-0842 Briefing on State Environmental Policy Act (SEPA) Urban Infill Area Exemption Recommendations

Mr. Bauer presented a briefing on the State Environmental Policy Act (SEPA) urban infill area exemption recommendation via a handout. A copy of the handout can be found on under the meeting details on the City's website.

The information was received.

6. REPORTS AND UPDATES

Mr. Smith provided an update on the East Bay Flats and Townhomes development project.

Mr. Stahley reminded the Committee its next meeting will be on September 21, 2017. He also noted a meeting date and location change for the October meeting. It will be held on October 12, 2017 at 5:30 p.m. at the Olympia Fire Station on Eastside St.

Mr. Bauer mentioned some items which will be coming before the Council.

There was a brief discussion regarding impact fees for 'Missing Middle' housing.

There was a brief discussion about electric vehicle charging stations.

7. ADJOURNMENT

The meeting adjourned at 1:54 p.m.

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601 4th Avenue E.
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Land Use & Environment Committee

2017 Engineering Design and Development Standards (EDDS) Update

Agenda Date: 9/21/2017
Agenda Item Number: 5.A
File Number:17-0681

Type: discussion **Version:** 1 **Status:** In Committee

Title
2017 Engineering Design and Development Standards (EDDS) Update

Recommended Action
Committee Recommendation:
Not referred to a committee.

City Manager Recommendation:
Move to forward the proposed 2017 EDDS Update to City Council to schedule a public hearing to receive public comment.

Report
Issue:
Whether to recommend that the proposed 2017 Update to the EDDS move to public hearing before City Council.

Staff Contact:
Stephen Sperr, P.E., Assistant City Engineer, Public Works Engineering, 360.753.8739

Presenter(s):
Stephen Sperr, P.E., Assistant City Engineer, Public Works Engineering

Background and Analysis:
The Engineering Design and Development Standards (EDDS) guide the design and construction of transportation, drinking water, reclaimed water, sewer, storm water, and solid waste collection systems. They are also the technical interpretation of the City's Comprehensive Plan and various utility master plans. The City Engineer is responsible for administering the EDDS.

On May 18, staff briefed the Land Use and Environment Committee on 71 proposed topics to address in this year's Update to the EDDS. That briefing included an overview of the EDDS, highlights of proposed changes, the public involvement and communication plan, followed by a discussion. On June 13, a similar presentation was made to the full City Council.

Since those briefings, staff has developed, and continues to develop, draft language and drawing

changes to address this year's topics. Staff has also begun the process of reaching out to interested parties by contacting them directly and providing the entire list of proposed changes on the City's website. Staff will also provide information on the proposed changes to both the Utility Advisory Committee and the Bicycle & Pedestrian Advisory Committee.

The Land Use and Environment Committee will receive a briefing on the proposed changes as well as an update to the current schedule.

Neighborhood/Community Interests (if known):
Updated EDDS will ensure utility and transportation systems, as well as solid waste improvements constructed meet the most current standards. Updates will also continue to move us toward the City's Comprehensive Plan Action Plan goal of providing Sustainable Infrastructure.

To date, the City has received no substantive comments. More information will be provided about discussions with stakeholders during the presentation.

Options:

1. Recommend that the proposed updates move to public hearing before City Council. After the hearing, Council could approve an Ordinance updating the EDDS. This option allows the EDDS to be updated per the current schedule.

2. Do not recommend that the proposed EDDS updates move to public hearing. Delaying adoption could result in potential conflicts with City standards or the Olympia Municipal Code.

3. Make additional edits or request specific changes to the 2017 Update, and recommend that the proposed updates move to public hearing before City Council. This option clarifies proposed changes, while keeping the 2017 Update on schedule.

Financial Impact:
Most of the proposed changes should not result in notable increases to the costs of private development or public work projects. However, a few, such as pedestrian pathways and requiring curb ramp improvements on a more consistent basis, may cost more to developers and private utilities. Staff will provide more information regarding costs associated with these items as part of the presentation.

Attachments:
EDDS webpage
List of 2017 EDDS topics

Engineering Design and Development Standards (EDDS)

Featured Links
- Current EDDS
- EDDS Deviation Request Form

Navigation
Building Permits-Land Use
- Construction Codes

Designing Olympia's Future

The Engineering Design and Development Standards (EDDS) are the technical standards used by the City and private developers to design and construct drinking water, reclaimed water, sewer, transportation, stormwater, and solid waste collection systems. The City has a process for requesting a deviation from these standards. Here is the Deviation form.

The EDDS are updated annually after a public hearing and upon City Council approval. The 2016 EDDS update was adopted by City Council on December 6 and became effective December 13, 2016. The City's Code Publishing site hosts the current EDDS, as well as previous versions of the EDDS that may apply to some vested private development projects.

2017 EDDS Update

- 2017 EDDS Schedule (As of September 13, 2017)
- 2017 EDDS Summary of Proposed Changes

Draft Text Changes -by Chapter

- Chapter 1
- Chapter 2
- Chapter 3
- Chapter 4
- Chapter 5
- Chapter 6
- Chapter 7
- Chapter 8
- Chapter 9

Draft Drawing Changes - by Chapter

- Chapter 3, Drawing 3-1
- Chapter 4, Combined Drawings
- Chapter 5, Combined Drawings
- Chapter 6, Combined Drawings
- Chapter 7, Combined Drawings

Don't see a topic you think should be addressed or updated?

Fill out this form to revise or update the EDDS. Submit it to Fran Eide, City Engineer, at feide@ci.olympia.wa.us. The EDDS are reviewed and updated every year starting in January. Your request will be recorded and considered for the next update.

Questions?

Contact Steve Sperr, P.E., at **360.753.8739** or ssperr@ci.olympia.wa.us.

City Calendar

09/14 - 5:00 p.m.
Parking Business Improvement Area (PBIA) Board Retreat
09/14 - 6:00 p.m.
Olympia Arts Commission
09/14 - 6:30 p.m.
No Design Review Board
09/15 - 12:00 p.m.
Olympia Planning Commission Finance Subcommittee
09/16 - 09:00 a.m.
Mission Creek Nature Park Volunteer Work Party

View full calendar...

City Updates

HANGING FLOWER BASKET RFP. We are seeking an experienced vendor to provide 160-180 hanging flower baskets to be located throughout Downtown. Apply by 5 p.m. on Friday, October 6. More...

THURSTON FAIR HOUSING SURVEY. All residents of Thurston County are invited to take a short survey that will help us identify issues and make a plan to improve access to housing for everyone. Respond by September 22. Take the survey...

2018 TOURISM FUNDING. The application period is now open for funding from Olympia's Lodging Tax for 2018 tourism-related services. Apply by 4 p.m. on Thursday, September 21. More...

2018-2023 PRELIMINARY CFP. The 2018-2023 Preliminary Capital Facilities Plan is now available to view online. For more information on Olympia's Budget process or how you can be involved please see our Budget 365 page.

2017 ADOPTED OPERATING BUDGET. The 2017 Adopted Operating Budget is available for viewing.

2017-2022 ADOPTED CAPITAL FACILITIES PLAN.

The 2017-2022 Adopted Capital Facilities Plan is available for viewing.

OLYMPIA MUNICIPAL CODE. Quick link to codes and standards including Olympia Municipal Code.

MEETINGS. Agenda and Minutes for City Council and most advisory committees.

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2017 EDDS Topics - September 11 list

EDDS #	Topic	Requested Change and Why	Location in EDDS, OMC, etc.	Submitted By	Notes/Stakeholder Comments
SUBSTANTIVE CHANGES					
1	ADA Requirements for Curb Ramps	Clarify when ADA curb ramps are required as part of Streetside (Frontage) Improvements or utility work, and when existing ones need to be replaced.	2.040, 4C.050	Sophie Stimson, Dave Smith	In 2016 Curb Ramps were defined, along with reference to ADA and PROWAG. Now need EDDS to more explicit.
2	Pedestrian Pathways	Address issues with safe access for pedestrians through parking lots and commercial developments.	Chapter 2 and 4, 4C.035, OMC 18.38	Darren Nienaber, Sophie Stimson, Chuck Dower	
3	Traffic Impact Analysis	Clarify when a TIA is required, what standards to go by and what types of improvements are required by the results of a TIA.	Chapters 2(?) and 4; OMC 15.20.060	Fran Eide, Steve Sperr, Amy Buckler	Add "Olympia's TIA Guidelines" as an Appendix to Chapter 4. Need in EDDS to solidify DTS SEPA exemption proposal.
4	Block Sizing	Change current standard for Arterials of 500-750 feet to 500 feet, per Comp Plan.	2.040.B.3.e, 4B.170, Ch. 4 Tables 3 & 7	Sophie Stimson	Comp Plan Policy PT4.1
OTHER CHANGES					
5	Urban Forestry Manual	Reference in Chapter 1, and address link to requirements in SWPPP and SVPAs. See topic #10 below.	Chapters 3 and 5	Jake Lund, Tiffani King	
6	Appeals	Appeals of decisions related to Deviation Request determinations and related decisions as to the applicability of the EDDS should go to the Hearings Examiner.	1.05, 2.090.E, OMC 17.48, 17.52, 18.75 and 18.82	Darren Nienaber	
7	Professional Qualifications	Revise wording to include all "Licensed Professionals" involved in submitting documents for permits or approval.	1.110	Donna Buxton	
8	Bonding of Work	Clarify bonding requirements throughout the EDDS. Clarify scenarios, if any, for which deferral of streetside improvements can be bonded.	1.130, 2.030.F, 2.070, at.al.; OMC 12.20 and 17.44.020	Fran Eide, Steve Sperr	Coordinate with Bonding For Minor Improvements as part of Final Plat issue. Carryover from 2016.
9	Submittals for Private Development Work	Consider requiring submittals for certain types of construction (e.g. pervious concrete sidewalk and driveways) and/or materials to be used, for work on public facilities and infrastructure constructed by private development.	Chapter 3	Fran Eide and Steve Sperr	Carryover from 2016.
10	Soil and Vegetation Protection Area Plans	Add requirements for what is to be in these plans, per Urban Forestry Manual. Need in Ch 3 if not in applicable OMC chapter.	3.045	Jake Lund, Stacey Ray	
11	Record Drawings	Adjust standards to reflect current issues. Update OMC 17.44.030 to reflect current standards. Also address scanning requirements changes (to .pdf).	3.065, OMC 17.44.030	Steve Sperr, Ladd Cluff	Carryover from 2016, plus new scanning requirements in 2017.
12	Easements	(1) Clarify how to determine easement widths when > 20' standard width is needed. Confirm consistency with Drainage Manual. (2) Ensure there is sufficient vehicular access to easements, manholes and monitorig wells located on privte property.	3.100, 2.060.E	Steve Sperr, Diane Utter	1st part was carryover from 2016.
13	Stormwater Construction Notes	(1) Update the notes for protection of bioretention and permeable pavements, per LID. (2) Add note regarding the applicability of ____EDDS and _____ Drainage Manual.	Drawing 3-1, Ch. 5	Jake Lund	
14	Ditch Maintenance	Need to establish responsibility here in the EDDS, or in applicable OMC?	Ch4 and/or 5?	Jake Lund	
15	Driveway Culverts	Establish standard for driveway approaches with culverts.	4B.140, Ch 5	Steve Sperr, Jake Lund	
16	Typo errors	Change the word "cure" to "curve" in 4B.140 A.5; add word "school" back into 2.040.B.18.	4B.140.A.5, 2.040.B.18	Chuck Dower, Steve Sperr	
17	Gates and Bollards for Public Facilities	Establish clear standards; currently only fence standards in Lift Station section of Chapter 7.	Chapters 4, 7, other?	Jake Lund, Marcus Goodman	
18	Sidewalk Repair	Cuts into sidewalks require new sidewalk installation to the next joint or 5' from cut, whichever is longer.	4C.030.G	Sophie Stimson, Steve Sperr	

EDDS #	Topic	Requested Change and Why	Location in EDDS, OMC, etc.	Submitted By	Notes/Stakeholder Comments
19	Illumination	Review mounting heights, spacing and other requirements for Street Lights. Confirm whether "City of Olympia Streetlight Installation Guidelines" is still being used.	4F	Steve Sperr	Carryover from 2016.
20	LED Street Lights	Lower color temperature standard to 3000 Kelvin for acorn (pedestrian-level) fixtures.	4F.020	Randy Wesselman	
21	Transportation-Related Special Provisions	Update Appendix 5 of Chapter 4 to reflect changes made by Amendments to the 2016 WSDOT Standard Specifications.	Appendix 5 of Ch. 4	Rolland Ireland	An annual topic?
22	Hammerhead Detail	Review minimum dimensions and other requirement of the Temporary "T" (i.e."Hammerhead") elements of standard detail 4-5.	Drawing 4-5	Chuck Dower	Carryover from 2016. Do in 2017, or Future?
23	Bedding and Backfill	Revise and/or clarify pipe zone bedding specification (see WSDOT 9-03.12(3)) and drawing 4-8, to decrease size of crushed rock that can be used. Need to clarify backfill spec as well?	Drawing 4-8; specs in various Chapters	Steve Sperr	Carryover from 2016. Do in 2017, or Future?
24	Concrete-Related Detail Updates	Update rebar and concrete spec for Standard Drawings 4-31A and 4-33. Update type of concrete reference in Drawings 5-2, 6-12, 7-5.	Drawings 4-31A&33, 5-2&3, 6-12, 7-5	Steve Sperr	
25	Utilities Location Schematic	Review Standard Drawing details, and consider adding additional pipe separation info. Add reference to this Drawing in other Chapters.	Drawing 4-44	Steve Sperr	Carryover from 2016. Do in 2017, or Future?
26	Easements for Private Stormwater Facilities	Clarify minimum easement dimensions for private stormwater facilities on private property (.e.g. on Binding Site Plans, plats).	Chapter 5	Jake Lund, Steve Sperr	See language in 2009 and 2016 Drainange Manuals.
27	Catch Basins	Add (1) requirement to install "Drains to..." markers during construction, (2) detail on CB drawings showing marker, and (3) more detail about where non-vaned grates and hooded frames are required.	Chapter 5 & Drawings	Jake Lund	
28	Stomwater Pond Sign	Add a standard detail into Chapter 5 showing the required information to be included on the sign, as well as where and when it is required.	Chapter 5	Jeremy Graham	Carryover from 2016.
29	Tree Protection Fencing	Need detail, how it's installed, reference to Urban Forestry manual.	Ch. 5	Jake Lund, Shelly Bentley	
30	Videotaping pipe inspections	(1) revise wording to reflect who should be doing the video inspections and under what standard (see OSPs). (2) Consider recovering cost of City TV-ing if defect found within 1 year performance period. (3) Change Granite XP to Granite Net (the current version). (4) Clarify that this applies to all sewers, including private sewers connected to the City collection system.	5.010, 5.024, 7A.010, 7A.070	Steve Sperr, Diane Utter	Partly a carryover from 2016. Recovery of cost for TVing will be under applicable bond.
31	PVC Pipe Repair Bands	Add requirements to use wide steel band, Fernco-type repair bands when repairs to stormwater or sewer pipe are needed.	5.06, 7A.065	Steve Sperr	
32	Underground Detention Systems	Consider pros and cons of allowing certain types of underground stormwater detention systems, depending on location (under parking lots, e.g.).	Chapter 5	Jake Lund	Carryover from 2016.
33	Drawing 5-1	Update WSDOT drawing reference in Note 3.	Drawing 5-1	Steve Sperr	
34	Fire Hydrants	Update required hydrant manufacturers to current standard.	6.060	Tom Swartout	
35	Water Meters	Update specified water meter type and dimensions in some drawings.	6.075, Drawings	Tom Swartout	
36	Service Connection Drawings	Misc. updates to service connection drawings, including type of PE pipe.	Drawings 6-1A, 1B, 1C, 2	Tom Swartout	
37	Setter Drawing	Misc. updates to setter drawing.	Drawing 6-3	Tom Swartout	
38	Meter Placement Drawing	Misc. updates to Meter Placement drawing.	Drawing 6-7	Tom Swartout	
39	Reduced Pressure (RP) Drawing	Clarify union height above slab or grade.	Drawing 6-22	Tom Swartout	
40	Meter Lid Drawings	Remove requirements for magnet in the lid.	Drawings 6-29, 29A	Tom Swartout	
41	Water Service Connections	(1) Add Fire Dept approval for size of service, (2) change type of PE pipe, (3) clarify preference of service taps in ROW versus new water main in easements, and (4) add steel sleeve (casing) pipe.	6.120	Tom Swartout	steel casing pipe spec still needed (2018).
42	Groundwater Monitoring Wells	Add additional language regarding these resource protection wells.	Ch. Chapters 3-6	Donna Buxton	
43	Location of Sewer Main in Street	Establish standards for location of new sewer main in existing streets that may allow other than center of road, and possible stubout requirements.	Ch 7	Diane Utter, Steve Sperr	Defer to 2018, per Water Resources.
44	Grease Barrel Storage in ROW	Establish standard in Ch.5, with Standard Drawing, and link to OMC 13.20. Needed to address spills and overflows.	5.100, OMC 13.20	Diane Utter, Steve Sperr	

EDDS #	Topic	Requested Change and Why	Location in EDDS, OMC, etc.	Submitted By	Notes/Stakeholder Comments
45	Hard surface runoff into sewer **(combine with #67?)**	Address "stormwater" catch basin connections to the sewer system for covered fueling stations (pump islands), solid waste compactors, and covered parking structures.	Ch7 - new section(s)?	Diane Utter, Jake Lund, Steve Sperr	See also topic #67 below.
46	Pipe Abandonment	Reference WSDOT Standard Specifications, or copy and paste Olympia Special Provisions requirements for abandoning a pipe in place.	7A	Diane Utter	
47	Notification of sewer taps	Require advance notifciation to Wastewater Utility of sewer service line taps on existing sewer mains, similar to water main taps requirements.	7B.080	Diane Utter	
48	Saddle Manholes	Update section on saddle manholes, including bypass pumping, and add a standard drawing.	7B.050	Fran Eide	Carryover from 2016.
49	Inside Drop Manholes	Clarify when it can be used, and clean up Standard Drawing (e.g. note 4). Add updated ASTM reference.	7B.050, Drawing 7-4A	Fran & Steve	Carryover from 2016.
50	Ownership of Side Sewers in the ROW	Change description of ownership to be consistent with change to OMC 13.08 in 2017 that will say the City owns the portion of side sewer located in public ROW.	7B.070, 080, 7F.010	Diane Utter	
51	Force Main Drain	Consider deleting requirement for drain, and add requirement for pigging equipment.	7C.060	Steve Sperr	Carryover from 2016. Per Water Resources, keeping drain requirement but adding pigging.
52	City personnel	Change references to "City forces" to "City personnel".	7E.010	Diane Utter	
53	STEP Tank Pumping	Remove requirement to pump STEP tank at time of sale of property; this has not been a requirement for a long time.	7E.010	Diane Utter	
54	Bearing Floats	Change floats from mercury to bearing floats (see float make & model in drawing 7-7).	7E.080.C	Diane Utter	
55	Alarm Heights	Remove alarm heights in section 7E.090, and ensure correct ones are on Drawing 7-7.	7E.090, Drawing 7-7	Diane Utter	
56	Power Switch Cover	Add power switch cover requirement for residential STEPS systems.	7E.090.H, J	Diane Utter	
57	Hour Meter and Event Counter	Remove reference to these non-existent devices.	7E.090.J	Diane Utter	
58	Commercial STEP Systems	Revise wording in 7E.095 - exact wording forthcoming from Operations.	7E.095	Tom Swartout	Defer to 2018.
59	Grinder System Inspection	Require grinder pump systems to be inspected at time of sale of property, to ensure proper operation consistent with DOE requirements.	7F.010	Diane Utter	
60	Grinder Main Discharge Point	Create new subsection similar to 7C.080 (Force Main Termination), to address H2S, etc.	7F.040 and 7C.080	Diane Utter	
61	Threaded pipe	Change "treaded" to "threaded" on Drawing 7-12.	drawing 7-12	Diane Utter	
62	Two-Way Cleanouts	Restore two-way cleanout requirement on Standard Drawing 7-19.	Drawing 7-19	Diane Utter	Dropped at request of Water Resources
63	Residential STEP tank detail	Add a new Standard Drawing with wiring diagram and photo for residential STEP tanks.	Drawing 7-25, 7E.090	Diane Utter	
64	Wiring Diagram	Add wiring diagram with photo. For Lift Stations only, or also for Commercial STEPs?	Ch7 Drawings	Tom Swartout	
65	Lift Station Drawings	Updates to Lift Station Drawings 7-7, 18A-B, 20, 21, 22A-I.	Ch7 Drawings	Tom Swartout	
66	Lift Station Start-up documents	Add the Lift Station Inspection Checklist and S&L Product Start-Up Report forms as Appendices.	Ch7. Appendices	Tom Swartout	Carryover from 2016.
67	Catch Basins for Solid Waste **(move to #45?)**	Add requirement, consistent with the Drainage Manual, for installation of catch basins for dumpster/compactor pads that are connected to the sewer system. Add similar requirement for covered parking lots and fuel islands in Ch 4 as well?	Ch. 8	Jeremy Graham	See also topic #45 above.
68	Compactors	Revise wording in 8.031.C.2 to correct type of compactor.	8.031.C.2	Ron Jones	
69	Ch. 8 Drawings	Remove conflict between Appendix 1 and Appendix 2 by deleting Illustrations.	Ch. 8 Appendices	Steve Sperr	
70	Green Cove Basin	Update Chapter 9, to better reflect LID code changes and requirements for new Drainage Manual.	Ch 9	Jake Lund	
71	OMC 12.20	Revise OMC 12.20, titled Street Excavations, to be consistent wiith the EDDS, as some sections are outdated and/or conflict with the EDDS. Address "no-cut Ordinance"/Pavement Restoration Fee issues here.	OMC 12.20, 4B.175 &180, 6.170	Fran Eide, Steve Sperr	Carryover from 2015 & 2016; includes update to no-cut ordinance/Pavement Restoration Fee

EDDS #	Topic	Requested Change and Why	Location in EDDS, OMC, etc.	Submitted By	Notes/Stakeholder Comments
HOLD FOR FUTURE CONSIDERATION					
1	Street Connectivity	Set up special Deviation Request requirements, consistent with Comprehensive Plan Goal GT5 and Policy PT5.2, that require the proponent to address specific issues identified in the Comp Plan related to connectivity. Also consider (1) alternative alignments in environmentally sensitive/critical areas, (2) new criteria for examining new street connections, and (3) identifying safety issues and funding solutions to such issues related to newly connected streets.	1.050		Comp Plan Policies PT5.1, 5.2 & 5.4
2	Streetside (Frontage) Improvements	Clarify when they are required, what is required, and intent to achieve sidewalk and planter strip widths on majot streets. Clarify when "streetside" vs. utility extensions are required. Consider stronger language for when sidewalk and other ped-related improvements in urban corridors are required (Comp Plan Policy PT15.1).	2.040, 2.020, 2.070, 3.110		Comp Plan Policy PT15.1
3	Alleys	Revise Alley requirement in section 2.040B to be consistent with updated Comp Plan. Revise the current concrete strip standard for residential alleys, as it has not been installed in over 15 years.	2.040.B, Ch.4 Table 2, Drawings 4-4A,B		Deferred until decision is made to discuss when to require alleys for new construction. Comp Plan Policies PT3.4-3.6.
4	Private Utility Easements	Revise requirements for private utility easements, to address when they are required, allowing for adjustment of width based on zoning, etc.	2.050.E		Initiated in 2015; deferred to 2017 due to complicated regulations & need to address utility concerns.
5	Franchise (Private) Utilities (carryover from 2015)	Revise the Franchise Utilities section, as it is out of date and omits some requirements. Address as many of the Comp Plan Policies related to Private Utilities as practicable. Address pavement restoration.	2.060, 4B.175, 4B.195	Fran Eide & Safe Streets Campaign	A 2016 topic that was deferred to 2017. Comp Plan Policies PU 3.6, 15.1, 15.5, 16.1, 16.3, 16.4, 17.1.
6	Parking Lots (carryover from 2015)	(1) Clarify wording in paragraph 3 of the Parking Lot section 4H110. (2) Revise parking lot connection requirements to address connecting adjacent parking lots in 4I.090. (3) Clarify EDDS & Drainage Manual roles in parking lot design/layout, approval and inspection, vs. CP&D in OMC 18.38.	OMC 18.38.220, 4H.110, 4I.090 and Ch. 5		Comprehensive Plan Policy PT1.11
7	Planter Strips	Add standard for planter strip landscaping, addressing (1) number and type of plants, (2) species and diversity of trees, and (3) placement and replacement of trees.	4H		Issue is linked to volume of soil required for plants and trees. Comp Plan Policy PN3.5
8	Roof Drains to Street Gutters	Investigate and determine whether tightline discharge of building roof drains to street gutters should be allowed or regulated by the EDDS.	Chapters 4 and 5	Steve Sperr	Carryover from 2016.
9	Sump Pumps to Street Gutters	Investigate and determine whether tightline discharge of sump pumps in basement (and other low areas) to street gutters should be allowed or regulated by the EDDS.	Chapters 4 and 5	Steve Sperr	Carryover from 2016.
10	Traffic Calming	Consider adding some criteria for determing when/if/where to use, especially for RLI Collectors and Local Access Streets.	Ch. 4, Ch. 9		Also, "Install or allow traffic calming…" is stated in Comp Plan Policy PT2.6.
11	Electric Vehicle Charging Stations	Support the use of electric vehicles by developing standards for their placement in the ROW. Being addressed separately from EDDS Update.	Chapter 4	Nathaniel Jones	Comp Plan Policy PN8.5. Develop standards in 2018.
12	Fiber Optics Conduit	Establish standards for a Ciy-owned fiber optics conduit system, once policies and regulations regarding such a system are established by City Council action.			Comp Plan Policy PU22
13	Modified Street Designs	Focus on a particular mode instead of "complete streets". Provides direction for master plans.			Comp Plan Policy PT1.13
14	Bike Boulevards/Corridors	Establish standards for bike corridors, using 2016 Bike Corridor pilot project as template.			Comp Plan Policy PT25.4
15	Protected Bike Lanes	Establish standards for protected bike lanes			
16	Pedestrian Crossing Islands	Make islands large enough for small groups cycling together.			Comp Plan Policy PT25.5
17	Private Streets	Clarify requirements for Private Streets, and when are they permissable.	2.040, 4B.070	Steve Sperr	
18	Infill Housing Incentives	On 2017 Draft Action Plan. May or may not involve changes to the EDDS.	TBD	Leonard Bauer	See 5/17/16 email from Leonard for more details.
19	Sidewalk Cafes	Establish standards for use of portions of sidewalks in the ROW, in front of restaurants, bars, etc.	TBD, OMC 9.16.180	Rich Hoey, Fran Eide	

City Hall
601 4th Avenue E.
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Land Use & Environment Committee

Update on Sea Level Rise Planning in Olympia

Agenda Date: 9/21/2017
Agenda Item Number: 5.B
File Number:17-0682

Type: discussion **Version:** 1 **Status:** In Committee

Title
Update on Sea Level Rise Planning in Olympia

Recommended Action
Committee Recommendation:
Not referred to a committee.

City Manager Recommendation:
Receive the information. Briefing only; No action requested.

Report
Issue:
Receive briefing on sea level rise planning work initiated by the City of Olympia, the Port of Olympia and LOTT Clean Water Alliance.

Staff Contact:
Eric Christensen, Engineering and Planning Supervisor, Public Works/Water Resources, 360.570.3741

Presenter(s):
Eric Christensen, Engineering and Planning Supervisor

Background and Analysis:
Downtown Olympia and the Port peninsula are vulnerable to flooding. Sea level rise increases the likelihood of flooding and could threaten large portions of downtown. Implications to various public and private entities are extensive. Without action, maintaining downtown public and private services will be challenging.

The City of Olympia has been engaged in climate change and sea level rise planning since the early 1990s. Considerable topographic, water elevation, and land use information has been generated and evaluated. The City of Olympia's Comprehensive Plan and Downtown Strategy provide support for the development of a formal Sea Level Rise Response Plan to protect downtown.

The City of Olympia, the Port of Olympia, and the LOTT Clean Water Alliance (the partners) share common concerns regarding sea level rise, yet also have unique individual vulnerabilities. The

partners have entered into an Interlocal Agreement to jointly fund and participate in a formal sea level rise planning process for downtown Olympia and the Port peninsula. The partners hired the consulting firm AECOM Technical Services, to help lead the planning effort.

The tasks to be completed by AECOM and the partners for this project include:

- Evaluating the best available science
- Developing a sea level rise planning framework
- Conducting a vulnerability and risk assessment of downtown assets
- Developing three or four sea level rise adaptation strategies
- Completing a Sea Level Response Plan

Three major community meetings to gather feedback on draft project material are planned in 2017 and 2018. Additional community and stakeholder involvement opportunities are also planned. A community meeting on the project scope of work was held on June 27, 2017.

The partners developed a draft planning framework, including a project goal, principles and assumptions. Work has begun on the vulnerability and risk assessments. The partners, along with AECOM, will present the planning framework and vulnerability and risk assessment at a community meeting in late 2017.

The planning process will culminate with elected official consideration of the plan and its implementation.

Neighborhood/Community Interests (if known):
Various community groups and other agencies are engaged in climate change and sea level rise issues. The City of Olympia Comprehensive Plan and Downtown Strategy support developing a sea level response plan. During a February 8, 2017, sea level rise community informational meeting and the June 27, 2017, sea level rise project scope community meeting, citizens voiced their support for the sea level response planning process. Protection of Olympia's downtown from sea level rise will benefit the regional community. Coordination with regional climate change mitigation planning is occurring. By taking a comprehensive and proactive approach to planning for sea level rise and climate change, the City and the regional community will be prepared to address changes rather than responding to the effects of climate change after they occur.

Options:
Information only.

Financial Impact:
None at this time. However, costs associated with potential adaptation strategies are appreciable.

Attachments:
Planning Summary
Flow Chart

Sea Level Rise Response Planning

Why is a Sea Level Rise Response Plan needed?

There are many sea level rise (SLR) and flooding related challenges facing the downtown Olympia area. Portions of the downtown are built on fill, shoreline areas are mapped within FEMA's 100-year coastal floodplain, and high tides can back up into the stormwater system and cause surface street flooding. Downtown flooding issues – both from high tides and intense precipitation – will worsen in the future as a result of SLR. The City of Olympia is working with the LOTT Clean Water Alliance and the Port of Olympia to develop a comprehensive SLR Response Plan to address these challenges and protect and preserve downtown amenities, assets, and quality of life for Olympia's residents and businesses. The SLR Response Plan will analyze options for protecting the downtown area and develop recommendations, implementation schedules, decision-making thresholds, funding needs, and emergency response approaches to address SLR vulnerabilities and risks in the future.

How will the plan be developed?

The City has hired a consultant, AECOM, to assist with the development of the SLR Response Plan. AECOM has collaborated with the project partners (the City, LOTT Clean Water Alliance, and Port) to develop a project approach and schedule to carry out the work necessary to develop the plan. The project team will follow an innovative approach and the project tasks will include: data review of prior studies; summary of best available SLR science; defining a SLR planning framework; refining prior vulnerability and risk assessments of the downtown area, including LOTT and Port facilities; identifying options for addressing SLR; developing a response plan that includes actionable next steps, priorities, and phasing; and providing opportunities for community input. The project partners have allocated $250,000 to support this effort which begins in May and continues through 2018.

SLR Response Plan Schedule	**2017**								**2018**											
Consultant Tasks	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**	**J**	**F**	**M**	**A**	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**
Project Management/Coordination																				
Project Initiation and Kick-off																				
Data and Climate Science Review																				
SLR Planning Framework																				
Vulnerability and Risk Assessment																				
Develop Adaptation Strategies																				
Develop SLR Response Plan																	Adopt Plan			
Community Workshops						◆			◆			◆								

How will the community participate in the process?

The City maintains a webpage and interactive sea level rise communication tool that can be accessed at www.olympiawa.gov/sealevelrise. Information about this planning effort will be available there. The City is also developing a stakeholder engagement plan and will host a series of community workshops to allow residents an opportunity to better understand the process and provide input on the proposed strategies and plan.

For more information, contact Susan Clark, Senior Planner, at 360.753.8321 or email searise@ci.olympia.wa.us

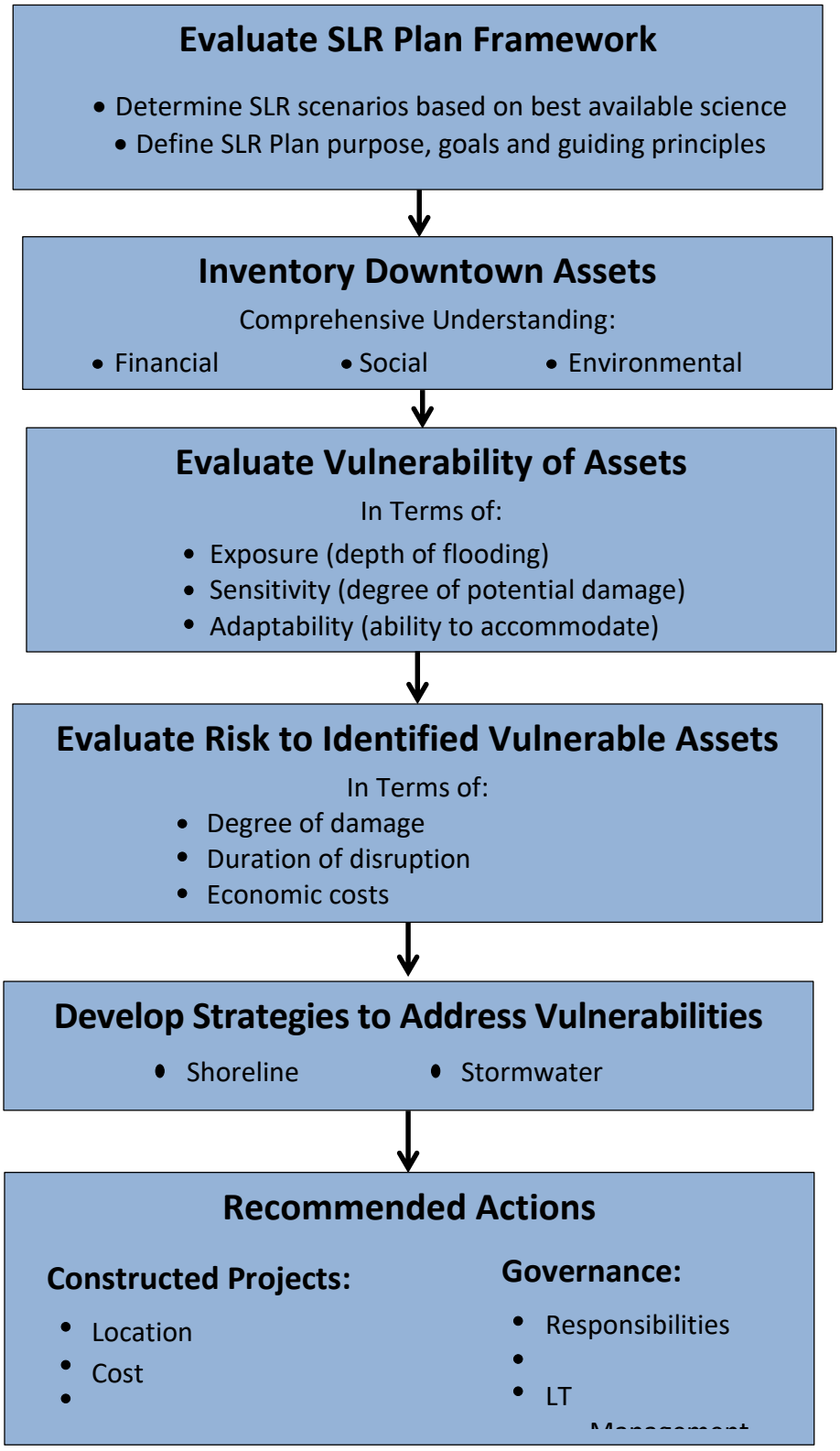
Olympia

LOTT Clean Water Alliance

PORT of OLYMPIA

Sea Level Rise – Scope of Work Summary
City of Olympia

05/10/2017



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Oakland, CA 94612
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510 893 3600 tel

Project Memo

To	Susan Clark (City of Olympia)	Page 1
CC	Andy Haub and Eric Christensen (City of Olympia), Lisa Dennis-Perez and Tyle Zuchowski (LOTT), Rachael Jamison (Port of Olympia)	
Subject	**DRAFT Sea Level Rise Planning Framework**	
From	Justin Vandever, Melissa Higbee, Claire Bonham-Carter (AECOM)	
Date	September 21, 2017	

The purpose of this document is to present the overall planning framework for developing a Sea Level Rise (SLR) Response Plan for the City of Olympia, LOTT Clean Water Alliance (LOTT), and Port of Olympia (Port). The SLR planning framework outlines the SLR adaptation planning process and defines the vision, purpose, and guiding principles for the plan. This document includes the following sections:

1. Project Overview
2. SLR Response Plan Assumptions
3. Proposed Approach to SLR Adaptation Planning
4. Regulatory Framework and Considerations
5. Community Engagement

1. Project Overview

Project Rationale

Downtown Olympia is a regional hub for economic and social activity, with important cultural and business assets and historic buildings. Downtown also has critical infrastructure that serves the region, such as the Port and LOTT Budd Inlet Treatment Plant (BITP). Both public and private entities have made significant investments in the Downtown area over the past several decades and even more growth is anticipated in the future as the Downtown area is projected to absorb 25 percent of the city's population growth in the next 20 years. The City would like to ensure that Downtown continues to prosper and serve the residents and businesses of Olympia and the greater region for decades to come.

[Suggested figures: Photo of active downtown scene; photo of Port and/or BITP]

Given Olympia's location on Budd Inlet at the southern end of Puget Sound, it has been subject to flooding in the past as the confluence of high water levels in Capitol Lake and high tides in Budd Inlet can cause water to spill into downtown streets, such as during the storms of March 2016 and December 2015. As the climate warms due to human emissions of greenhouse gasses and sea levels rise as result, flooding is anticipated to become more frequent and severe if no action is taken. As coastal waters rise, the frequency and magnitude of flooding from coastal storm events will

increase as SLR increases the base water level upon which storm surge and waves act. Downtown is particularly vulnerable as much of the peninsula is built on fill, shoreline areas are mapped within FEMA's 100-year coastal floodplain, and high tides can back up into the stormwater system and cause surface street flooding. Furthermore, Olympia also has to contend with subsidence, meaning that ground elevations are sinking and Olympia will experience SLR impacts sooner than other areas.

[Suggested figure: Photo of flooding from March 2016 or December 2015]

More frequent flooding could reduce the quality of life in Olympia, reduce access to downtown, cause businesses to close more often, damage buildings, and deteriorate and/or severely damage critical infrastructure. Proactively adapting to SLR can help avoid these disruptions and damages thereby reducing costs in the long-term. Creating a SLR Response Plan ensures that agencies, stakeholders, and other key players are coordinated and working together to maximize the limited resources available to adapt. The SLR Response Plan will analyze options for protecting the downtown area, develop recommendations, provide implementation schedules, identify decision-making thresholds, and assess funding needs and potential sources to address SLR vulnerabilities and risks in the future.

Vision Statement:

The Olympia SLR Response Plan will be a formal community plan that prioritizes strategies and investments for best responding to SLR, while protecting downtown's economic, social and environment values.

Purpose:

The purpose of the SLR Response Plan is to:

- Develop an actionable plan to protect downtown from sea level rise within the planning horizon
- Understand vulnerabilities, costs and the implications of taking no action
- Identify priority sea level rise response actions and implementation timelines
- Estimate costs of actions and identify resources needed for implementation
- Promote an understanding of the shared responsibilities between public, private and community interests in adapting to sea level rise
- Identify responsibilities for City / Port / LOTT and other stakeholders

Principles

The following principles will guide the SLR response planning process:

- **Science:** Incorporate best available science and lessons learned from other coastal communities to inform plan development.
- **Adaptable Plan:** Develop the plan as a living document, expecting that assumptions, approaches and timelines should be adapted over time based on best available science.

- **Public Involvement:** Engage community partners and stakeholders using an open and transparent process that incorporates community input.
- **Protection:** Protect the social, historic, and economic heart of the City.
- **Essential Infrastructure:** Provide for the continued operation of essential public infrastructure, including LOTT's BITP and the Port's Marine Terminal, Swantown Marina, and Boatworks.
- **Multiple Benefits/Innovation:** Prioritize innovative, inter-disciplinary solutions that increase resilience to SLR while providing multiple community and environmental benefits.
- **Coordination:** Coordinate with and support other initiatives such as the City of Olympia Downtown Strategy and Thurston County Regional Council Climate Adaptation Plan.

Roles

In the development of the SLR Response Plan, the following key stakeholders will take on the following roles:

- **City / LOTT / Port:** These agencies will lead the development of the plan. They will be responsible for keeping the planning process on schedule, managing the consultant team, coordinating public outreach and stakeholder engagement, and disseminating the SLR Response Plan.
- **City Departments / LOTT / Port Staff**: These departments and staff will serve as technical contributors, providing information on City-owned and managed assets, providing feedback on the analysis and contributing and reviewing ideas for adaptation strategies.
- **Elected Officials** (i.e. City Council, Port Commission, LOTT Board of Directors): These bodies are responsible for approving the SLR Response Plan. They will be provided with updates at key junctures and their feedback will be incorporated into the plan.
- **Community Partners and Stakeholders:** Community members will be invited to provide input to the development of the plan through a series of public workshops, further described in Section 5.

2. SLR Response Plan Assumptions

The SLR Response Plan will be developed to be consistent with the following plan assumptions:

- **Project Area:** The project area includes the downtown peninsula (including Port of Olympia and Budd Inlet Treatment Plant) from the eastern shoreline of the 4th Avenue Bridge in West Bay to the intersection of East Bay Drive and Olympia Avenue in East Bay, also including the Capital Lake shoreline along Heritage Park (Figure 1).

Figure 1. SLR Response Plan Project Area

- **Risk Tolerance/Storm Event:** Given downtown's social and economic importance and extensive public and private infrastructure, Olympia has a low risk tolerance for SLR. Nevertheless, the level of risk tolerance may be different for various assets depending on factors such as asset lifespan, criticality, and adaptive capacity.
- **SLR Scenario:** Given upward evolving SLR projections, the long planning horizon, and downtown's low risk tolerance, it is deemed appropriate to use a high-range (lower-probability, higher impact) SLR projection scenario for Puget Sound with local adjustments for Olympia (Figure 2).

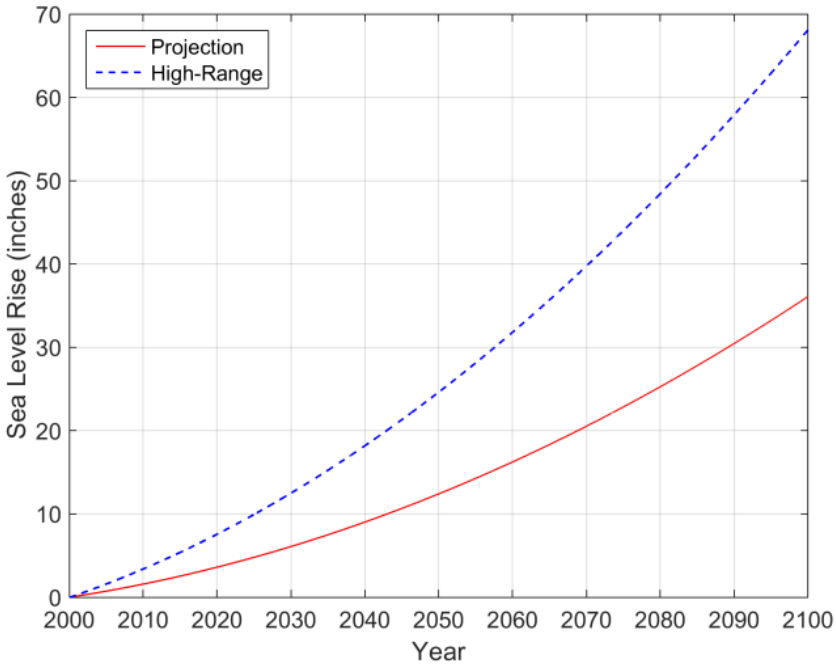

Figure 2. SLR Projections at Olympia

- **Subsidence Rate:** Until further studies are performed specific to Olympia, the Plan should assume a land subsidence rate of 2 millimeters per year.
- **Incremental Planning:** This SLR response planning process represents the necessary first incremental step to addressing SLR for the community. It is not the last step. As such, the plan will not provide detailed costs or confirmed funding sources.
- **Capitol Lake:** The Plan will be developed to be adaptable to future decisions made by Washington State about the long-term management of Capitol Lake.
- **Downtown Strategy:** The SLR response planning process and resulting plan will build upon and be consistent with the vision, goals and recommended actions of the Downtown Strategy which was developed through an extensive public process.
- **No-action Alternative:** The Risk and Vulnerability Assessment will evaluate at a high level the consequences of a no-action alternative.
- **Retreat Strategy:** A retreat strategy and associated costs are not within the scope of work of this project.
- **Climate Change Mitigation:** Climate change (greenhouse gas) mitigation is outside the scope of this project. Nevertheless, adaptation strategies that also meet greenhouse gas mitigation goals will also be considered in the strategy evaluation phase.

3. Proposed Approach to SLR Adaptation Planning

The SLR adaptation planning process follows a seven-step process, summarized in Figure 3. Stakeholder engagement is on-going and critical to each step.

The SLR Response Plan will address the first five steps in the adaptation planning process, as well as stakeholder engagement, described in Section 5. Following development of the SLR Response Plan, the City, LOTT, and Port will be well positioned to begin the implementation and monitoring phases of the planning process. The sections that follow describe each step in the planning process and provide additional detail regarding how each step will be carried out to develop Olympia's SLR Response Plan.

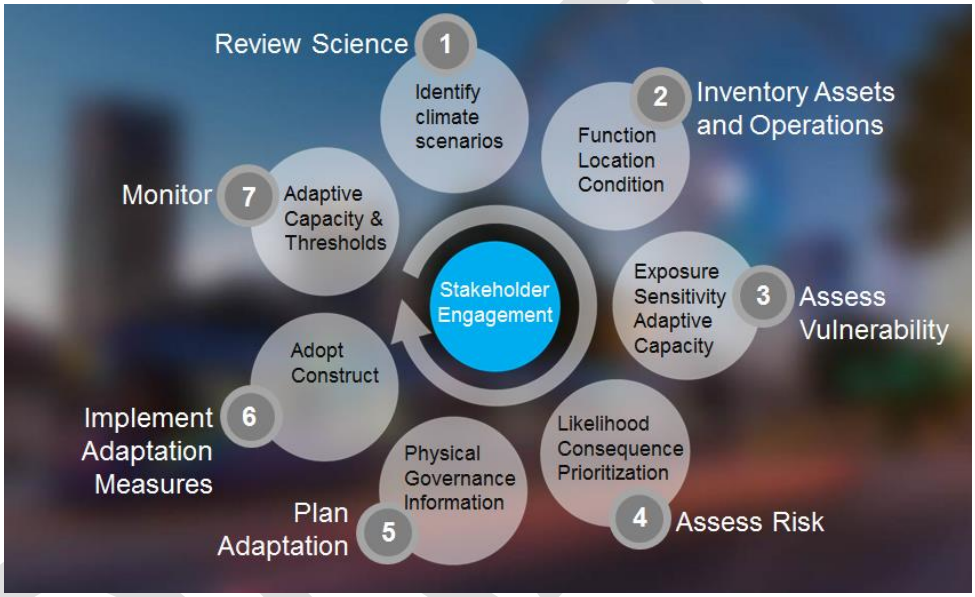

Figure 3: SLR Adaptation Planning Process

Step 1: Review Science

Selecting the most reliable climate science requires drawing on local, regional, and national expertise. Over time, adaptation efforts will need to accommodate new science, information, and conditions.

Olympia Approach: The Olympia SLR Response Plan includes a climate science review that takes into account the best available science on sea level rise, coastal flooding, and precipitation to establish a scientific basis for evaluating climate change impacts to Olympia.

- *Timeline: July – August 2017*

Step 2: Inventory Assets and Operations

The climate adaptation process requires an understanding of the key assets and operations that are critical to the functioning of a community. The asset and operations inventory identifies critical infrastructure, key habitat resources, and other assets of value to the community.

Olympia Approach: The project team will distribute a questionnaire to each City department, LOTT, and the Port to better understand the critical assets and functions of each organization. This information will feed into the vulnerability and risk assessment and focus efforts on the most important assets and community services.

- *Timeline: August – September 2017*

Step 3: Assess Vulnerability

SLR vulnerability assessments describe the impacts that would be experienced by an asset due to temporary flooding or permanent inundation from coastal waters. Impacts may include physical damage, disruption to systems or services, and/or displacement of residents or businesses. Vulnerability assessments follow a standardized step–by-step approach, which is illustrated in Figure 4.

- **Exposure:** Provides information on flood timing and pathways of flooding.
- **Sensitivity:** Provides information on the degree to which the condition or functionality of an asset is affected by flooding.
- **Adaptive Capacity:** Provides information on an asset's existing resiliency to flood waters or rising sea levels and its ability to cope with impacts.

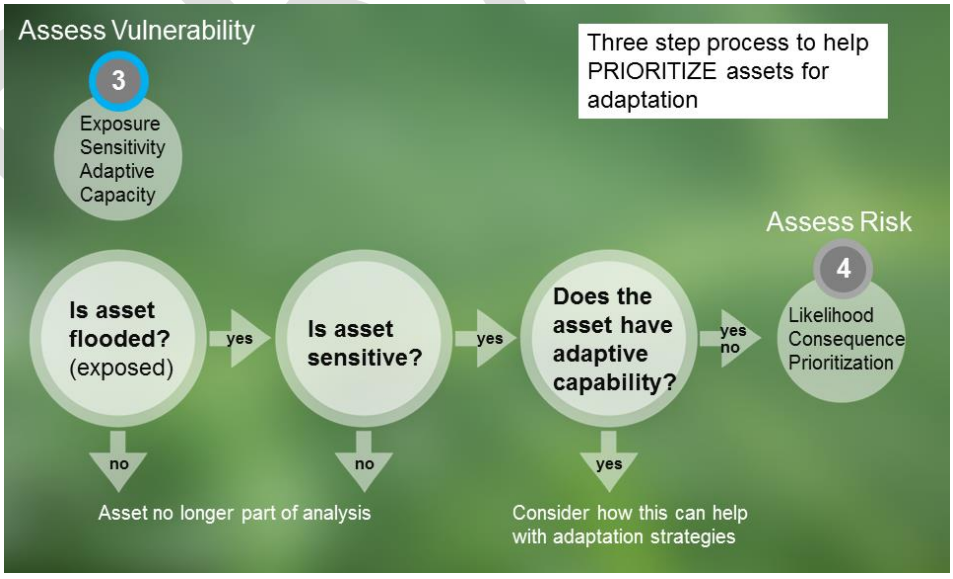

Figure 4: Vulnerability Assessment Process

Assets are considered vulnerable if they are exposed to flooding, have high sensitivity, and low adaptive capacity. Assets found to be vulnerable are prioritized in the risk assessment and adaptation planning phases.

Olympia Approach: A high-level vulnerability assessment will highlight key vulnerabilities of these assets based on exposure, sensitivity, and adaptive capacity.

- *Timeline: August – November 2017*

Step 4: Assess Risk

Vulnerability assessments are often followed by risk assessments, which describe (quantitatively or qualitatively) the potential consequences that could occur due to SLR impacts. Types of consequences considered in a risk assessment may include:

- **Critical service consequences:** Temporary or permanent inundation impacts to power, communications, water and wastewater services, medical facilities, and/or lifeline transportation services
- **Social consequences:** Impacts to public health and safety, general displacement and homelessness, and to the provision of social services
- **Economic and financial consequences:** Workforce disruption, loss or damage to real estate, or impacts to tourism or significant industries
- **Environmental consequences:** Deterioration or loss of critical habitats or species and water quality impacts

Olympia Approach: The Olympia SLR Response Plan will include a high-level qualitative risk assessment that considers economic, social, and environmental factors. The findings of the risk assessment will be used to help prioritize and phase adaptation strategies.

- *Timeline: October – November 2017*

Step 5: Plan Adaptation

Once assets have been prioritized for adaptation, comprehensive planning evaluates the best strategies to reduce climate impacts. Adaptation planning is a result of participatory community engagement, and should include those residents and businesses who could be potentially affected by the impacts of SLR, and should, ideally, integrate interdisciplinary problem solving and solution generation. Adapting to the impacts of climate change presents a unique opportunity to proactively address vulnerabilities will developing projects that offer multiple co-benefits to the community.

Olympia Approach: The Olympia SLR Response Plan will develop a comprehensive approach to adaptation for downtown Olympia and its shoreline. In addition to physical infrastructure, adaptation strategies will also relate to governance, informational gaps, operations, and services. An extensive list of initial strategies will be developed through close collaboration between the City, LOTT, and Port staff and the consultant team.

Strategies will be evaluated across the following categories of evaluation criteria and considerations:

- *Technical effectiveness – how well does the strategy achieve its intended purpose?*
- *Financial – how cost effective is the strategy?*
- *Socio-economic – does the strategy have social, cultural, or historical preservation co-benefits or impacts?*
- *Environmental – does the strategy have environmental co-benefits or impacts?*
- *Administrative – does the strategy have oversight or regulatory opportunities or constraints?*

From the menu of strategies, subsets of strategies will be selected to create distinct adaptation scenarios for downtown Olympia that emphasize community values, focuses, and tradeoffs. The adaptation scenarios will be shared with community members to solicit their feedback. Based on community and key stakeholder feedback, a preferred adaptation plan will be developed.

- *Timeline: December 2017 – May 2018*

Step 6: Implement Adaptation Measures

Implementation of some types of strategies can start immediately, such as policy changes to address SLR. Longer-term and larger-scale interventions which are identified, prioritized, and designed as part of a comprehensive SLR Adaptation Plan can be phased over time, as better information, funding, and/or partnerships are identified.

Olympia Approach: The SLR Response Plan will identify comprehensive city-wide actions as well as specific LOTT and Port actions, including how to incorporate adaptation strategies into City, LOTT, and Port planning and budgeting processes. The plan will clearly identify the actions that are applicable to each project partner and their respective assets. The plan will also include a discussion of next steps for implementation, including any additional studies needed, such as design and engineering, regulatory permits, and funding needs.

- *Timeline: 2019 – beyond*

Step 7: Monitor Adaptation

Monitoring is a critical and ongoing component of any successful adaptation effort. Monitoring provides an understanding of which actions are most effective; highlights unintended consequences; and identifies new data, which may indicate a need to change direction or implement additional strategies. Effective adaptation plans will include the types and timeframe of monitoring to be conducted, and any thresholds that would trigger new actions, reporting requirements, and responsible parties.

Olympia Approach: The plan will include decision-making thresholds that will be monitored over time. In addition, the Project team will continue to collaborate with the University of Washington Climate Impacts Groups to monitor the latest climate science and trends.

- *Timeline: 2019 – beyond*

INSERT OVERALL TIMELINE GRAPHIC, something similar to:

4. Regulatory Framework

This section provides a brief overview of the regulatory context that will inform the development and implementation of adaptation strategies. It identifies major public land owners in the SLR planning area and includes information on agencies that play a key regulatory role along the Olympia shoreline and efforts in the downtown area with which coordination will be crucial.

Public Land Ownership

As shown in Figure 6, the Port, LOTT, and City own a significant portion of land in the SLR planning area; however, some portions of the planning area are privately owned. Washington State, Thurston County, and Intercity Transit also own land in the area and will participate in the planning process. Adaptation strategies along the waterfront will require careful coordination and collaboration with all affected landowners.

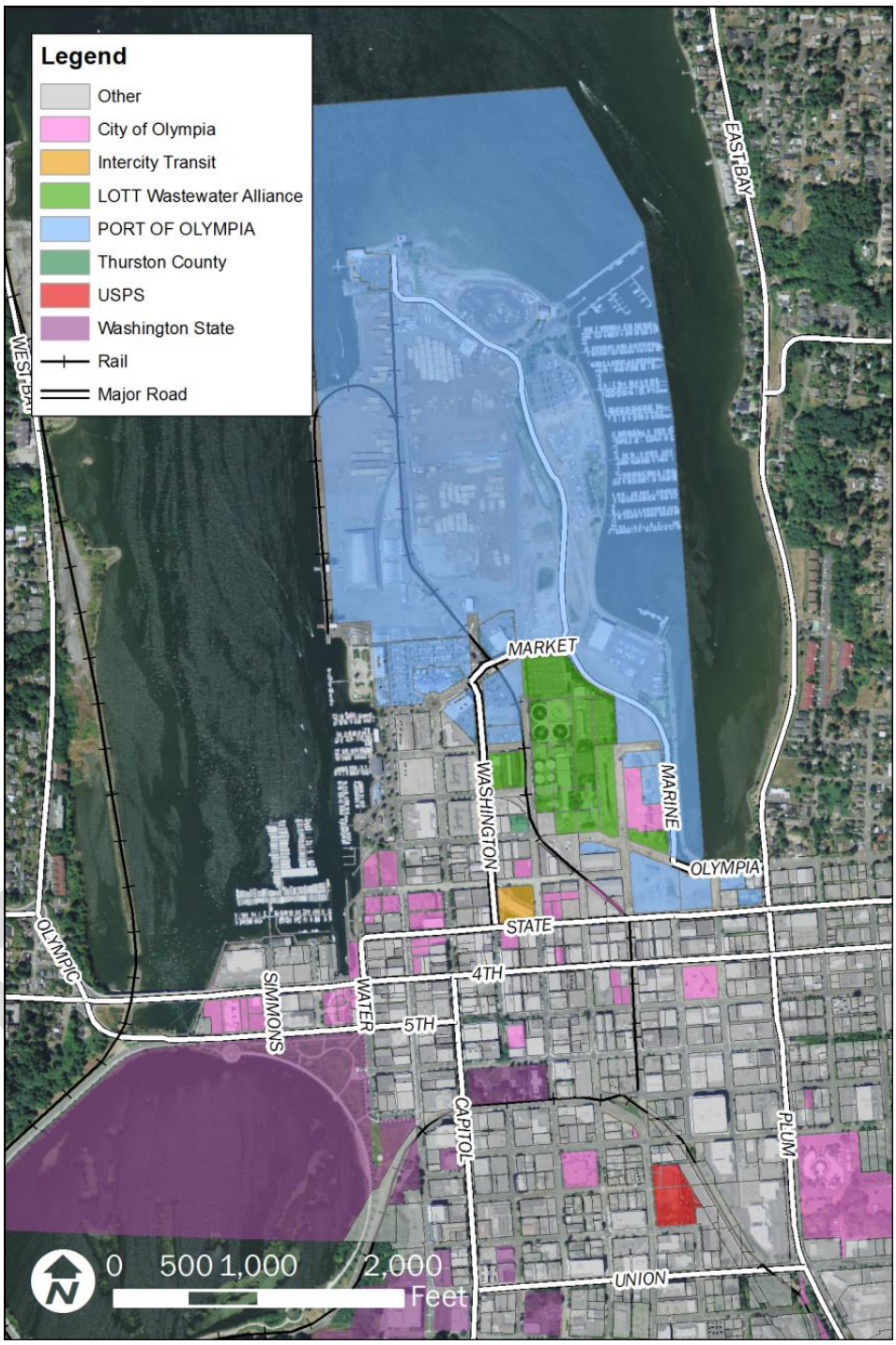

Figure 6: Land Ownership in SLR Planning Area

Agencies

Effective SLR adaptation will require coordination with agencies with jurisdiction along the shoreline and compliance with local, state, and federal regulations. Over a dozen agencies, often having overlapping regulatory authority, play a role in managing Olympia's shoreline assets. A lack of unified and coordinated regulatory oversight can lead to complications and delay of project goals. To establish effective and proactive SLR adaptation for the City of Olympia, participation of the agencies discussed below may be required:

Federal

Coastal or SLR-related projects may need authorization from the following federal agencies:

- **U.S. Army Corps of Engineers (USACE):** issues permits and authorizations for various environmental impacts and supports levee certification decisions for the National Flood Insurance Program (NFIP).
- **Federal Emergency Management Agency (FEMA):** issues Flood Insurance Rate Maps (FIRM) and administers the NFIP. Olympia is a participant in FEMA's NFIP. Portions of Olympia's downtown peninsula fall within FEMA's Special Flood Hazard Area.
- **U.S. Fish and Wildlife Service (USFWS):** has regulatory jurisdiction over impacts to terrestrial and freshwater species protected under the Endangered Species Act. In addition, USFWS issues permits under the Bald and Golden Eagle Protection Act (not anticipated to be applicable).
- **National Marine Fisheries Service (NMFS):** has regulatory jurisdiction over impacts to marine species protected under the Endangered Species Act. In addition, NMFS administers permits for incidental harassment or take under the Marine Mammal Protection Act

State of Washington

The following State agencies have developed guidance, policies, or programs related to SLR and/or issue permits for SLR-related projects:

- **Washington State Department of Ecology (WDOE)**: issues water quality certifications and construction stormwater permits, manages and approves the Shoreline Master Program; led the development of the State's climate change response strategy. WDOE also provides Coastal Zone Management Act consistency certification.
- **Puget Sound Partnership:** leads the region's efforts to restore and protect Puget Sound.
- **Washington State Department of Fish and Wildlife (WDFW)**: issues Hydraulic Project Approvals for work within "Waters of the State."
- **Washington State Department of Natural Resources (WDNR):** manages aquatic lands within Puget Sound. Work on land managed by WDNR requires Aquatic Use Authorizations or Leases.
- **Department of Enterprise Services:** owns and maintains Capitol Lake and dam

- **Washington State Department of Archaeology and Historic Preservation (DAHP):** issues permits for alteration to an archaeological site or historic resource. USACE also coordinates and consults with DAHP before issuing permits.

Local

Coastal or SLR-related projects may need authorization from the following organizations:

- **Olympia Planning and Building Department**: Most construction projects in Olympia will require permits in order to ensure they meet local, state, and national building and safety regulations. In addition, certain types of projects must also first go through a Land Use (Site Plan) review process. In coordination with the Planning Commission, the department oversees compliance with the Comprehensive Plan and Downtown Strategy. This department would also likely be the lead for State Environmental Policy Act (SEPA) compliance.
- **Port of Olympia:** The Port of Olympia Commission passes a Comprehensive Scheme of Harbor Improvements. This is the Port's primary planning document and is required by state law. All projects contained in the Capital Investment Plan (CIP) must first be contemplated in the Comprehensive Scheme of Harbor Improvements.
- **City of Olympia Public Works:** The Water Resources Department manages drinking water, wastewater, and stormwater. The Transportation Department manages the local street network.
- **LOTT Clean Water Alliance:** LOTT provides wastewater management services for the urban area of north Thurston County, including Lacey, Olympia, and Tumwater. LOTT maintains and operates the BITP, located within the downtown peninsula. Wastewater system improvement projects will need to be integrated into LOTT's CIP.

Existing Regulations and Policies

- **Shoreline Master Program (SMP):** a set of local policies and regulations adopted by the City under the State's Shoreline Management Act that generally applies to all major water bodies and lands within 200 feet of those waters. Olympia's SMP was approved in 2015 after a seven-year process with extensive public participation.
- **2010 Sea Level Rise Policy:** Olympia adopted a policy describing its commitment to protect Downtown from the impacts of SLR, seek to understand the implications of potential 100-year sea rise of 50 inches, incorporate adaptation and flexibility into both public and private infrastructure projects, and seek opportunities to maintain control of valuable shoreline.
- **2014 Comprehensive Plan:** The Comprehensive Plan describes the community's long-term vision and goals, which guide City budgets, master plan, development regulations, and other decisions.
- **Olympia Municipal Code:** The City's Flood Damage Prevention (16.70) and SLR Flood Damage Reduction (16.80) ordinances set development standards in areas exposed to flooding under current and future conditions (with SLR).

- **Port of Olympia Comprehensive Scheme of Harbor Improvements and Development Guidelines:** Required by state law, these documents include descriptions of the Port's Use Districts, anticipated future projects, and design standards for properties.

Coordination

Local Efforts

The SLR Response Plan will coordinate implementation with the following efforts:

- **Downtown Strategy:** Completed in 2017, this plan envisions downtown being a more vibrant and attractive place to live, work, and play. It identifies community priorities, outlines actions for the next five years, and guides City budget, work plans, and partnership development.
- **The Capital Facilities Plan:** This is the mechanism by which the City schedules the timing, location, projected cost, and revenue sources for capital improvements.
- **Comprehensive Emergency Management Plan:** An all-hazard approach to planning, coordinating, responding and recovering from emergencies or disasters within the city, including in Downtown.
- **Park Master Plan:** This plan identifies the locations of future parks and open space, and includes a capital investment strategy for improvements.
- **Transportation Plans:** There are a variety of transportation plans that currently guide investments and streetscape requirements.
- **Utility Master Plans:** The City owns and operates four utilities (water, waste, wastewater, storm & surface water), and has a master plan for each to ensure that utility services can be provided and maintained for existing and future planned land uses and populations.
- **Budd Inlet Treatment Plant Master Plan:** Completed in 2006, this plan is designed to ensure efficiency of plant operations, anticipated new levels of treatment regulation, and consider what will be necessary to achieve continued sustainability in a high profile, high-cost urban re-development area.

Regional Efforts

- **Thurston Climate Adaptation Plan:** Thurston Regional Planning Council is developing a watershed-based plan with adaptation actions that region's public and private sector stakeholders could take to reduce, prepare for, and cope with projected climate change impacts in the decades ahead.
- **Sustainable Thurston:** *Creating Places – Preserving Spaces: A Sustainable Development Plan for the Thurston Region* aims to integrate sustainable into all regional decision-making to achieve a healthy economy, society, and environment.
- **University of Washington Climate Impacts Group:** Supports the development of climate resilience by advancing understanding and awareness of climate risks and working closely with public and private entities to apply this information.

- **Floodplains by Design:** A public-private partnership led by Puget Sound Partnership, the Nature Conservancy, and Washington State Department of Ecology seeks to change the way we think about floodplains and put collaboration first.
- **Washington Coastal Hazards Resilience Network:** A network of hazards and climate change practitioners from federal and state government agencies, Tribes, academic institutions, consulting firms, and non-profit organizations that seeks to improve regional coordination, integration, and understand of coastal hazards and climate change impacts.

5. Community Engagement

The City, LOTT, and Port are currently developing a community engagement plan that will include multiple opportunities and venues for the public to provide input to the plan. Three community workshops will take place over the course of the SLR response planning process. Preliminary topics for each workshop are summarized below:

- **Community workshop #1**: During this workshop, the planning assumptions, results of the vulnerability assessment, and potential response actions and strategies will be shared and feedback on potential solutions will be gathered. The workshop will include a presentation, Q&A session, and Open House stations, gathering feedback in a variety of ways – from the group, one-on-one conversations, and comment sheets.
- **Community workshop #2:** During this workshop, initial adaptation scenarios focused on different values will be presented. The public will be asked to provide feedback on the preferred adaptation scenario features and strategies.
- **Community workshop #3:** The proposed comprehensive adaptation plan for downtown Olympia will be presented. The public will be asked to provide feedback on the plan's features and strategies.

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Land Use & Environment Committee

Briefing on West Bay Restoration & Park Master Plan

Agenda Date: 9/21/2017
Agenda Item Number: 5.C
File Number:17-0949

Type: discussion **Version:** 1 **Status:** In Committee

Title
Briefing on West Bay Restoration & Park Master Plan

Recommended Action
Committee Recommendation:
Not referred to a committee.

City Manager Recommendation:
Receive the information. Briefing only; no action requested.

Report
Issue:
Whether to discuss the West Bay Restoration & Park Master Plan timeline and plan for public involvement.

Staff Contact:
Laura Keehan, Planning & Design Manager, Olympia Parks, Arts & Recreation, 360.570.5855

Presenter(s):
Laura Keehan, Planning & Design Manager, Olympia Parks, Arts & Recreation

Background and Analysis:
Olympia's West Bay park, restoration, and trail connection have been decades in the making. The master plan will create the blueprint for a waterfront park and a restored shoreline that integrates a waterfront trail, recreational amenities and reestablishment of the functions and values of the shoreline environment.

Olympia staff will partner with J.A. Brennan Associates to implement an inclusive design process that will develop a master plan that restores habitat function to a disturbed urban waterfront, while connecting locals and visitors to a network of trails, parks, and public art.

A variety of public involvement methods will be used over the approximately 14-month planning process, including an online survey and several interactive public workshops and meetings. The resulting master plan will position the city well for receiving future state recreation, restoration, and

transportation trail grants.

Neighborhood/Community Interests (if known):
Because of this community park's waterfront location, interest from citizens across Olympia is anticipated. In particular the adjacent neighborhood associations of West Bay Drive, Northwest, and South Westside may be interested and will be invited to participate in the public input process.

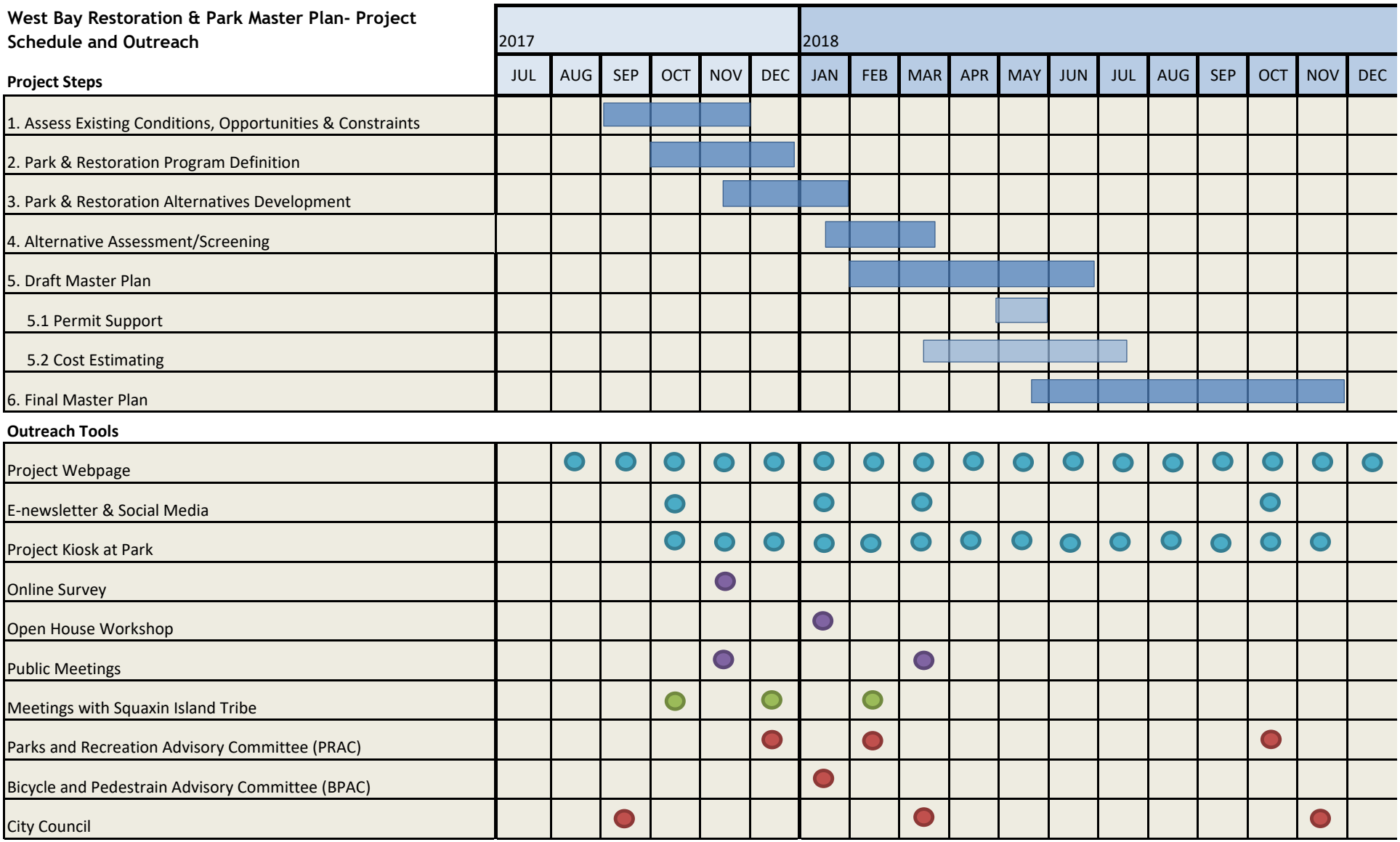
The Squaxin Island Tribe has significant interest in the nearshore environment of West Bay and will be invited to participate throughout the planning process. The Port of Olympia owns the lagoon area adjacent to the park, as well as the parcel directly north of the park, and will engage in the planning process.

Options:
Briefing only.

Financial Impact:
This project is identified in the 2016 Parks Plan and 2017 Capital Facilities Plan and will use approximately $324,000 of park impact fees and SEPA (State Environmental Policy Act) mitigation fees.

Attachments:
Schedule & Outreach

West Bay Restoration & Park Master Plan- Project Schedule and Outreach



Citywide
Interested Parties
Squaxin Island Tribe
City Council & Advisory Committees
(version 9/17)