

Table 10.2 Storm and Surface Water Plan Strategies

Storm and Surface Water Utility Core Services Key					
AM	Asset Management	FP	Flood Prevention	PP	Pollution Prevention
CFP	Capital Facility Program	HM	Habitat Management	TR	Technical Review
ER	Emergency Response	LRP	Long Range Planning	UA	Utility Admin

Strategies		Enhance	Continue
Goal 1 – Reduce the frequency and severity of flooding so hazards are eliminated			
1-1	Identify conveyance capacity problems in the City system. Develop a priority ranking procedure for correcting flooding issues.	CFP	FP
1-2	Evaluate possibilities for regional, City-owned detention facilities and support design and construction where determined feasible through basin planning.	CFP FP	
1-3	Evaluate existing public stormwater detention facilities for effectiveness and potential improvements.	CFP FP	
1-4	Provide information to customers to help investigate and solve drainage issues at their homes or businesses.		TR
1-5	Ensure public and private development complies with the City of Olympia Drainage Design and Erosion Control Manual.		TR
1-6	Provide public education and outreach on how to reduce stormwater runoff.		FP
1-7	Develop post-construction inspection and maintenance capabilities for public stormwater facilities. Focus should be on LID implementation, staffing, and training.	FP	
1-8	Map impervious and pervious surfaces and track implementation of LID stormwater facility installations.		AM
1-9	Encourage use of permeable paving materials and native vegetation in Public Works construction projects.		TR
1-10	Consolidate downtown outfalls to improve manageability.	FP CFP	
1-11	Install tide gates on downtown outfalls to reduce flood risks.	FP CFP	
1-12	Consider separation of storm drainage from combined sewers to protect wastewater treatment plant (LOTT).	FP CFP	
1-13	Develop structural alternatives to mitigate long-term or projected sea level rise impacts.	FP CFP	
1-14	Provide emergency response training to staff.		FP ER
1-15	Respond in a timely manner to emergencies with adequate resources.		FP ER
1-16	Coordinate with other City departments, agencies and local entities to be prepared for emergencies.		FP ER
1-17	Partner with Planning & Engineering, Olympia Fire Department, State and local agencies to develop and implement emergency response plans in the downtown core.		FP ER
1-18	Perform inspections, maintenance, repairs, and installations of Utility infrastructure in anticipation of sea level rise.		PP
Goal 2 – Improve surface water quality			
2-1	Provide education and outreach about water quality with emphasis on how to reduce or eliminate behaviors and practices that contribute to negative stormwater impacts.		TR PP
2-2	Support the City’s temporary erosion and sediment control inspection and enforcement program.	TR	PP LRP
2-3	Maintain and improve the program to address illicit discharges, including spills and illicit connections.	PP	
2-4	Adopt regulations that expand and simplify enforcement of illicit discharges.	LRP	
2-5	Develop a street sweeping program focused on improving water quality. (See also Strategy 4-26.)	PP	
2-6	Develop a business pollution prevention program that includes coordination with adjacent jurisdictions.	PP	

Strategies		Enhance	Continue
2-7	Map and evaluate drainage sub-basins to determine their level of water quality treatment and help prioritize projects that will provide higher levels of water quality treatment.		AM
2-8	Develop a program to evaluate and prioritize retrofits of existing untreated pollution generating infrastructure.	CFP	PP
2-9	Develop a rate structure to incentivize retrofitting private stormwater systems to provide higher levels of water quality treatment.	UA	AM LRP
2-10	Continue to monitor the health and water quality of City streams and lakes.		PP
2-11	Ensure stormwater pollution prevention plans (SWPPPs) are developed and implemented for all heavy equipment and/or material storage facilities owned or operated by the City.	PP	AM LRP
2-12	Develop and implement a plan to identify and evaluate onsite septic systems in priority watersheds (Indian, Moxlie, and Mission).	PP	
2-13	Coordinate with the LOTT Clean Water Alliance to evaluate options for providing higher levels of water quality treatment, particularly in coordination with consolidation of the stormwater conveyance system associated with sea level rise.	LRP	
2-14	Develop and implement an integrated pest management plan in coordination with other City departments.	LRP HM	
2-15	Update annually Olympia's Stormwater Management Program (SWMP) to document the City's plan for ongoing compliance with the Western Washington Phase II Municipal Stormwater Permit.		PP
2-16	Enforce Olympia's Drainage Design and Erosion Control Manual.	TR	
2-17	Provide technical assistance to other City departments to ensure ongoing permit compliance.		TR
2-18	Participate in development of Total Maximum Daily Loading (TMDL) plans and implement resulting required actions.	PP	LRP
2-19	Ensure inspection and maintenance standards for private and public stormwater treatment facilities are being met.	AM PP	TR
2-20	Develop sediment tracking program for management of sources through maintenance activities (street sweeping, ponds, catch basin, ditch maintenance, etc.)	PP	
2-21	Investigate sources of pollutants of concern citywide.		PP
2-22	Respond, document and report spills in a timely manner.		TR PP
2-23	Develop a pollution prevention training and tracking program for field staff with responsibilities in Illicit Discharge Detention and Elimination (IDDE)/Spills, Erosion Control, and O&M.	PP	
Goal 3 – Protect, enhance, and restore aquatic habitat functions provided by wetlands, streams, lakes, marine shorelines, and riparian areas			
3-1	Collaborate with other agencies, tribes, and community organizations to support stream, riparian, wetland, and shoreline enhancement and restoration, fish passage, and adaptation to climate change/sea level rise.	HM LRP CFP	
3-2	Collaborate with other departments to develop a comprehensive integrated pest management strategy to guide noxious weed control and vegetation management efforts.	HM LRP	
3-3	Develop and implement vegetation and habitat management plans for City-owned properties containing aquatic and associated habitat to improve habitat, protect water quality, and support native species.	HM LRP	
3-4	Identify and acquire important habitat areas or easements (collaborating with internal and external partners).	HM LRP	CFP
3-5	Identify and manage invasive species in aquatic and associated habitats to protect habitat and water quality functions.	HM LRP	AM
3-6	Identify important corridors and support efforts linking important habitats across the City and adjacent jurisdictions.	AM LRP	
3-7	Identify, prioritize, and implement aquatic habitat protection and enhancement opportunities by watershed to enhance and restore ecosystem function (i.e. implement the <i>Habitat Stewardship Strategy</i>).	LRP	HM

Strategies		Enhance	Continue
3-8	Influence and assess effectiveness of City regulations that protect aquatic resources (e.g. Critical Areas Ordinance and Shoreline Master Program).	LRP	
3-9	Manage beaver activity to provide habitat and water quality benefits while mitigating flooding risk.	LRP FP	HM
3-10	Manage vegetation in riparian areas in order to improve habitat and water quality functions.	HM	AM
3-11	Monitor aquatic habitat quality and quantity based on the best scientific information, methods, and tools available.	LRP HM AM	
3-12	Participate in regional planning to support salmon and Puget Sound recovery (e.g. WRIA 13 and Alliance for a Healthy South Sound).		LRP
3-13	Provide outreach and education to the community around aquatic habitat, wildlife and ecosystem function (wetlands, streams, marine shoreline, lakes, buffers and associated wildlife).	HM	
3-14	Provide focused outreach, technical assistance and incentives to private properties containing aquatic and associated habitats, while promoting voluntary stewardship.	HM LRP TR	
3-15	Provide technical support to City projects with aquatic permitting requirements (e.g. CWA 401/404 and HPA) or that are specifically habitat related.		TR LRP
3-16	Support partners and community efforts to protect, steward, and restore aquatic and associated habitats.	LRP HM TR CFP	
Goal 4 – Ensure reliable functioning of the built and natural stormwater infrastructure			
4-1	Continue to maintain and improve mapping/geodatabase.		AM
4-2	Continue pipe condition rating program.		AM FP
4-3	Continue catch basin and manhole inspection and cleaning program.		AM PP
4-4	Develop a natural infrastructure asset management program	AM HM	
4-5	Provide operational support and feedback to engineering staff regarding location, function, constructability and maintenance of Utility infrastructure improvements.		CFP
4-6	Require development to construct stormwater infrastructure in compliance with the <i>Olympia Drainage Design and Erosion Control Manual</i> and the <i>Engineering Design and Development Standards</i> .		TR
4-7	Design and plan the Utility's capital improvements to complement natural infrastructure.	CFP HM	
4-8	Comply with NPDES permit requirements.		PP
4-9	Develop SOPs for inspections preventive maintenance and correction programs	LRP	
4-10	Enhance public outreach and education for stormwater system functions, operations and maintenance.		PP FP
4-11	Develop enforcement capabilities (facilities to be maintained for the design purpose) in Olympia Municipal Code (OMC).	LRP	
4-12	Develop level of service standards for public stormwater facilities.	AM	
4-13	Monitor resources through work order system and identify any additional needs.	AM	
4-14	Expand inspections beyond NPDES permit requirements.	PP TR	AM
4-15	Keep current with training as new technologies and techniques emerge.		UA
4-16	Update emergency response processes and procedures regularly.		ER
4-17	Develop and implement a sea level rise response plan. <ul style="list-style-type: none"> Use the best available science and the experiences of other communities in formulating plans for sea level rise. Partner with government entities and key stakeholders. Engage the community in a discussion of various sea level rise scenarios, how the City will respond to lessen the impact and costs. 	LRP FP	

Strategies		Enhance	Continue
4-18	Annually update the Storm and Surface Water component of the City's <i>Capital Facilities Plan</i> .		CFP
4-19	Develop a priority ranking system for proposed capital projects.	CFP	
4-20	Integrate data-based decision making processes into section programs.		AM
4-21	Develop CCTV program to provide long term condition rating, investigation, and emergency response.	AM	
4-22	Continue cleaning and inspection program.		AM FP
4-23	Transition vegetation and LID maintenance programs from Environmental Services to Stormwater Operations.	HM FP	
4-24	Develop and implement field-based data collection tools for public and private stormwater utility infrastructure.	AM	FP PP
4-25	Implement basin approach to utility infrastructure maintenance with an emphasis on sediment management.	AM	FP PP
4-26	Implement a street sweeping program to remove sediment before it enters the stormwater system. (See also Strategy 2-5.)	AM	
4-27	Perform stormwater system repairs and maintenance based on utility wide priorities.		AM FP
4-28	Manage sediment in a manner that complies with applicable regulations and is done in a cost-efficient manner.		PP
4-29	Identify essential training and safety benchmarks by job classification.		UA
4-30	Develop employee training program to meet training and safety benchmarks by job classification.		UA
Goal 5 – Manage Utility finances responsibly and recover costs equitably			
5-1	Continue the capital funding strategy that utilizes existing resources from reserves and general facility charges first before relying on debt financing.		UA
5-2	Pursue grants and state low-interest loans when available.		UA
5-3	Perform operations and maintenance of utility infrastructure in a fiscally thoughtful and strategic manner which reflects positively on the utility.		UA
5-4	Evaluate alternative rate structures and pursue implementation if found beneficial.		UA
5-5	Develop incentives for stormwater retrofit.		UA
5-6	Coordinate regular rate studies with the City's other water resources utilities, so that the full impact of rate increases on customers is considered and rates are equitably distributed to customers		UA
5-7	Review general facilities charges regularly to ensure that they accurately and equitably distribute system costs to new development and are adjusted for inflation.		UA

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