

King County Flood Control District

2013 Proposed Subregional Opportunity Fund Allocations

Attachment G v1

October 8, 2012

Jurisdiction	2013 Opportunity Fund Allocation	Project Name	Project Description
Algona	\$4,170	N/A	Defer funds for a future year.
Auburn	\$81,107	Sandbag Removal	Directing opportunity funding to King County to offset the costs of sandbag removal along the Green River.
Beaux Arts	\$1,225	N/A	Defer funds for a future year.
Bellevue	\$403,823	Valley Creek / NE 21st Flood Control	Design contract for enlarging the culvert at NE 21st Street and Valley Creek to alleviate structural flooding of nearby businesses and roads.
Black Diamond	\$7,151	N/A	Defer funds for a future year.
Bothell	\$30,547	Blyth Park: Hill Slope Stream Restoration to Control Erosion, Phase I	Reduce stream erosion upstream of sediment catchment pond by installing a series of log structures and side slope stabilization measures. Efforts will focus on how best to reduce and prevent stream erosion along steep unstable slopes. The placement of log structures will be tailored to create sediment storage opportunities, arrest further stream erosion, and create stream flow energy dissipaters. The objective is to allow the stream channel and the side slopes to stabilize over time. The side slopes could also receive treatment possibly through native riparian plantings that promote soil stability
Burien	\$55,303	Vactor Truck for stormwater facility maintenance	The City will utilize the vactor truck for stormwater management to prevent flood hazards by removing sediment in catch basins or cleaning up clogged storm drain pipes. The vactor truck will also be used to respond to local flooding to remove blockages or vacuum the flooded water from the street. A vactor truck will be operated by City staff.
Carnation	\$2,286	Catchbasin Sludge Holding Tank	Purchase a holding or storage tank to hold the sludge that is cleaned out of catchbasins. When the City cleans out its catchbasins they have to store the sludge until a hazardous waste hauler comes out to dispose of it. A concrete or plastic storage tank large enough to store the sludge would allow proper maintenance of City stormwater catchbasins.
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Clyde Hill	\$17,103	Miscellaneous Stormwater retrofits	Miscellaneous storm water retrofit projects throughout the city that will renew and repair pipes.

Covington	\$20,782	N/A	Defer funds for a future year.
Des Moines	\$32,328	N/A	Defer funds for a future year.
Duvall	\$10,129	N/A	Defer funds for a future year.
Enumclaw	\$13,231	N/A	Defer funds for a future year.
Federal Way	\$99,824	S. 35Sth Regional Stormwater Facility Expansion/Retrofit	This project will expand the flow control and water quality capabilities of the existing S, 356lh Street Regional Stormwater Facility located at the headwaters of the North Fork of the West Hylebos Creek.
Hunts Point	\$9,244	N/A	Defer funds for a future year.
Issaquah	\$75,065	N/A	Defer funds for a future year.
Kenmore	\$34,811	Tributary 0057 – Channel Relocation Project	This project addresses a continual flooding problem at the 7200 block of NE 170TH ST in Kenmore, WA. The project replaces an in-stream sediment box and accompanying 36” pipe system with a new 230 foot, 12 foot wide, 7 foot tall box culvert.
Kent	\$153,501	Sandbag Removal	Directing opportunity funding to King County to offset the costs of sandbag removal along the Green River.
King County	\$423,063	Allen Lake Outlet Improvements, Seola Pond Retrofit	<u>Allen Lake</u> : NE 8th Street between 245th Place NE and 250th Lane NE was officially closed by King County Roads due to 18 inches of water over in 2012. Improvements to the Allen Lake outlet channel are proposed from NE 8th Street to approximately 2,100 feet downstream to Parcel 2625069010. <u>Seola Pond Retrofit</u> : This project will retrofit the existing Seola Regional Detention Pond (DR0562). The retrofit includes adding more live and dead storage, changing the pond geometry to limit “short circuiting”, transforming an open channel upstream into a bioswale, modifying the outlet pipe system, and stabilizing the downstream channel as necessary. <u>Emergency/Opportunity Program</u> : The funds will be used to fund sub-projects to implement stormwater control improvements that address flooding problems or use as seed funding to secure other grants.

Jurisdiction	2013 Opportunity Fund Allocation	Project Name	Project Description
Kirkland	\$192,023	Totem Lake Flood Reduction	Replacement of pipe and dredging of channel to improve conveyance and thus reduce flooding of the intersection of 120th Ave NE/NE Totem Lake Boulevard and surrounding area.
Lake Forest Park	\$24,981	Town Center Park, Hillside Creek Restoration	<p><u>Town Center Park:</u> Develop the passive park as a flood-able park. This will both enhance the floodplain with native plantings and native canopy enhancements and provide access to Lyon Creek during periods of normal flow conditions. Specifically, the funding will allow the City to install pedestrian trails, riparian plantings, and stream restorations to stabilize the streambank and create a health stream reach.</p> <p><u>Hillside Creek:</u> The project area is a reach of the stream that flows around Brookside Elementary. One downstream culvert is inadequately sized for the stream flows resulting in flooding of the school yard and upstream area. In addition, during storms and at other unpredictable times the stream will divert itself into the pipe under the school resulting in reduced flows in the stream channel. The City proposes to design a project that includes a culvert replacement, stream channel restoration and removal of the bypass pipe inlet.</p>
Maple Valley	\$30,521	N/A	Defer funds for a future year.
Medina	\$30,554	Medina Heights Storm Drainage Replacement	Replace deteriorated storm drainage pipes
Mercer Island	\$108,608	Calkins Landing Shoreline Restoration	The Calkins Landing Shoreline Restoration project will reduce sediment outwash and improve nearshore habitat adjacent to a street end park by upgrading a historically problematic stormwater outfall, removing a concrete bulkhead, redefining a beach access point and revegetating the shoreline area with native species.
Milton	\$1,075	N/A	Defer funds for a future year.

Jurisdiction	2013 Opportunity Fund Allocation	Project Name	Project Description
Newcastle	\$23,881	Lake Boren Drainage Mitigation- Part II	The project is to develop an engineered solution to control the water level during the winter on Lake Boren. This small 15 acre Lake experience seasonal flooding and has been an issue for several decades. We have begun addressing this problem by generating a topographical and tree survey that profiled the outlet of the Lake and part of Boren Creek. It identified topography that prevents the outlet channel from draining. In addition to the survey we have a qualitative report that provides historical context of the lake function and the different flooding issues lake residences experience, along with proposed solutions to the problem. Therefore now, we want to initiate a design that involves modifying the outlet channel by lowering the high point elevation to match our ideal lake level. This involves coordinating with Army Corps of Engineers and Dept. of Fish and Wildlife for the required in-stream permits, which we have already initiated.
Normandy Park	\$15,220	N/A	Defer funds for a future year.
North Bend	\$10,631	Ribary Creek Restoration	Clean out and restore flow capacity in Ribary Creek
Pacific	\$4,862	N/A	Defer funds for a future year.
Redmond	\$146,582	Evans Creek Relocation	Construct 4,500 feet of new stream channel in open space, relocating the channel out of an industrial area. Restore in-stream habitat features and buffer vegetation.
Renton	\$135,168	Cedar River Gravel Removal Project, Monitoring & Maintenance	Lower Cedar River sediment removal project, maintenance and programmatic studies and activities including channel monitoring, levee/floodwall re-certification and FEMA accreditation work, maintenance and it's mitigation (or potential mitigation projects).
Sammamish	\$112,198	N/A	Defer funds for a future year.

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SeaTac	\$32,444	Purchase of a Vactor Truck for the Stormwater Maintenance Program	Purchase of a vactor truck to be used by the stormwater maintenance program for the following stormwater and flood control purposes: 1)The vactor truck would be used during and after major storm events to remove blockages (i.e. sediments and debris) from stormwater structures (catch basins, manholes, flow control & treatment facilities) which are causing localized flooding. 2) The equipment would also be used on a regular basis to maintain stormwater facilities to ensure their function and minimize the potential for clogging and the resulting instances of flooding.
Seattle	\$1,510,350	14th & Concord CSS Improvements	The Combined Sewer System (CSS) is under capacity to manage stormwater runoff in the South Park Neighborhood near 14th Ave S and S Concord St, resulting in repeated flooding of street right-of-way and private properties. Excess stormwater also causes repeat sewer backups. This project will design and construct drainage and wastewater system conveyance and add storage improvements to reduce surface flooding and stormwater-related sewer backups.
Shoreline	\$85,619	Culvert and Channel Improvements at NE 148'h Street and 12'h Ave NE	Improve channel and/or culvert capacity of Littles Creek to reduce flooding risk and restore stream habitat.
Skykomish	\$301	N/A	Defer funds for a future year.
Snoqualmie	\$21,689	N/A	Defer funds for a future year.
Tukwila	\$51,633	Fort Dent Outfall Pipe Repair and Flood Gate Retrofit	Line 42' of existing 15" storm pipe and install a new 60" catch Basin with floodgate.
Woodinville	\$30,857	Chateau Reach Culvert Crossing and Erosion Control Project	Installation of culverts and a sediment capture basin within City right-of-way to prevent flooding across SR 202 and improve drainage into the Sammamish River
Yarrow Point	\$9,047	N/A	Defer funds for a future year.

Total	\$4,052,936	
Deferrals	\$368,237	9%
Projects	\$3,684,699	91%

