


2019–2024 Stormwater Capital Plan

Clark County Council Work Session
Public Service Center, 6th floor Training Room
August 22, 2018
10:30 AM

The bottom of the slide features a decorative graphic consisting of several overlapping, wavy, horizontal bands. The colors transition from a dark olive green on the left, through a lighter olive green, to a pale yellowish-green on the right. A thin black horizontal line runs across the middle of these bands.

Work Session Goal and Agenda

Goal:

- ▶ Review and Approve the 2019–2024 Stormwater Capital Plan

Agenda:

- ▶ County Policies/Goals and Regulatory Requirements
- ▶ Capital Project Types
- ▶ Planning Process
- ▶ Proposed Project Schedule
- ▶ Partnerships
- ▶ Additional Project Opportunities
- ▶ Risks and Unknowns
- ▶ Next Steps

Local Framework and Regulatory Requirements

Primary Policy and Goals

Policy:

- Meet Phase I Municipal Stormwater Permit requirements

Goals:

- Protect and enhance streams and wetlands
- Minimize stormwater impacts to receiving waters
- Maximize public benefits of county-owned lands

Regulatory Requirements:

Stormwater Permit S5.C.6 and WAC 173-218

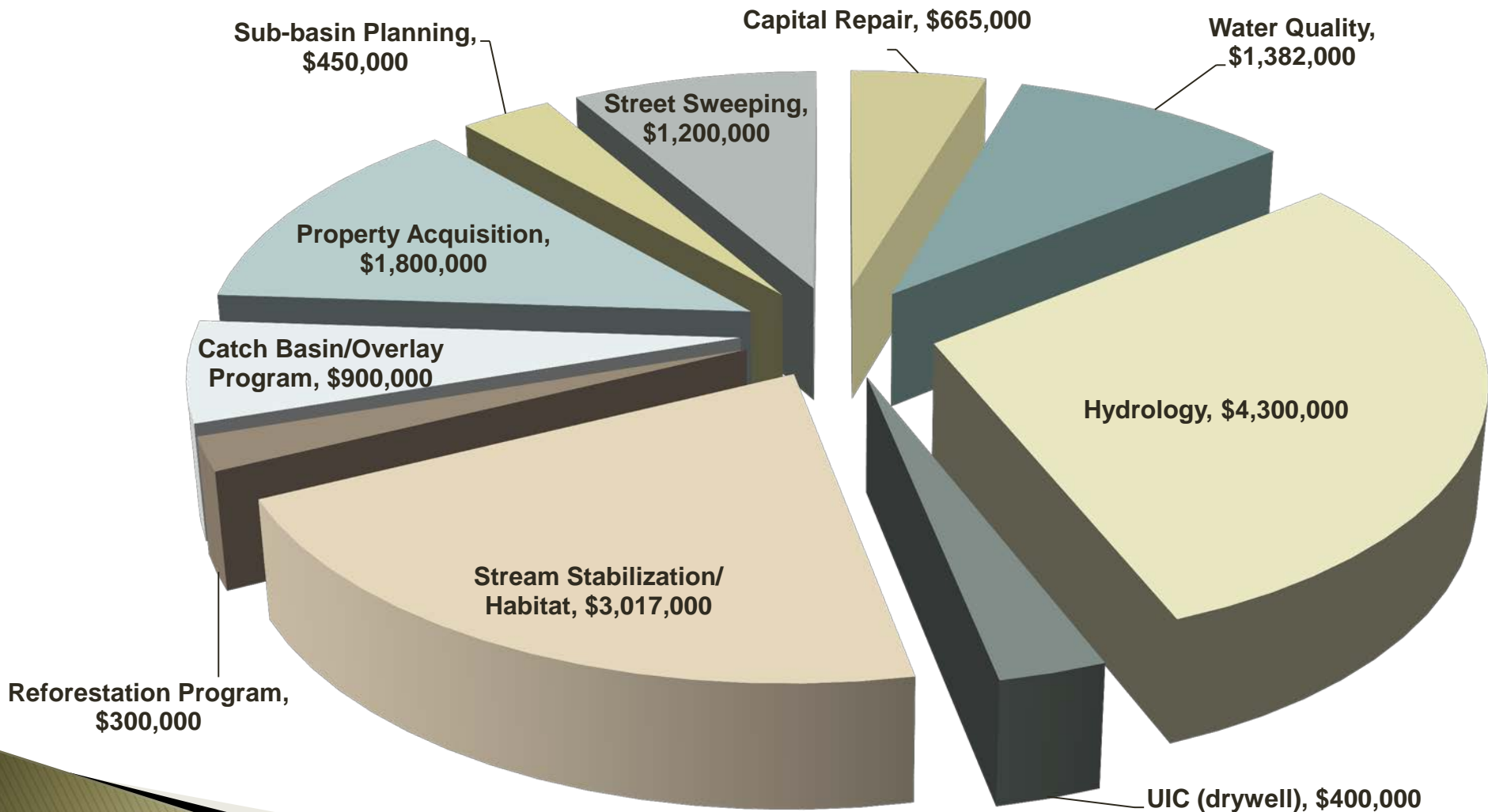
Phase 1 Municipal Stormwater Permit:

- ▶ County must have a program to construct structural stormwater controls – prevent or reduce impacts to waters of state
- ▶ County must submit list of planned projects with Annual Report to Ecology

Underground Injection Control Program:

- ▶ County must address any drywells that pose a threat to groundwater

Stormwater Capital Project Types



\$14.4 Million 6-year Total

Planning Process

1. Set program priorities

- Regulatory and program needs

2. Identify project opportunities aligned with priorities

- Existing project queue and new needs

3. Scope projects – evaluate feasibility and cost effectiveness

- Inter-division review
- Repairs are not scoped; Operations and Engineering develop solutions

4. Develop project matrix

Proposed Schedule: 6-Year Stormwater Capital

2018	2019	2020	2021	2022	2023	2024
Columbia River High School SWF Retrofit (\$40K)	(\$197K)	Wet Pond Repairs (\$210K)	Country Meadows UIC Decommission (\$400K)			
NE 99th St @ Cougar Creek WQ Retrofit (\$50K)	(\$240K)	Padden Downs SWF Repair (\$60K)	Whipple Creek Place SWF Repair Ph 2 (\$95K)			
Spring Haven SWF Repair (\$10K)	(\$55K)	Vista Woods SWF Retrofit (\$39K)	Whipple Creek @ NW 11th Ave Habitat Improvement (\$300K)			
Gregory Place SWF Repair (\$15K)	(\$75K)	Whipple Creek Culvert Repair (\$77K)		Whipple Creek Trib 6.44 Habitat Improvement (\$840K)		
Cedars 49 II SWF Repair (\$15K)	(\$65K)	Mt. Vista 8 SWF Retrofit (\$211K)		Curtin Creek Wetland Habitat Phase 1 (\$1.8M)		
	Whipple Creek Place SWF Repair Ph 1 (\$105K)					
		Lakeshore Elementary SWF Retrofit (\$240K)				
		NE Hazel Dell Ave @ 97th St WQ Retrofit (\$455K)				
		Heritage Farm Stream Enhancement (\$475K)				
		West Mill Creek Headwaters Enhancement (\$3.8M)				
Ongoing Programs:	Catch Basin/Overlay (\$900K) Reforestation (\$300K)		Property Acquisition (\$1.8M) Sub-basin Retrofit Planning (\$450K)		Street Sweeping (\$1.2M)	

Orange: Funds previously spent (2018)
Blue: Estimated funding during 2019-2024

Partnerships

▶ Schools

- Partnering with districts on school property – retrofits or additional facilities

▶ County Lands

- Legacy Lands acquisitions qualify for capital credit; Clean Water may contribute funding toward Parks or LL purchases
- Reforestation program: 6-year target 30 acres of county-owned lands
- Heritage Farm headwaters restoration – capital credit and completes a component of the farm Master Plan without using general fund dollars

▶ County Road Projects

- Annually install treatment inlets in priority areas ahead of overlay program
- Combine required UIC retrofits at Country Meadows with completion of NE 99th Street in 2022
- Ongoing coordination with CRP to leverage opportunities

Additional Project Opportunities

► 2017–2018 Ramp Up

- Council request in 2016 to re-start delayed projects; in response CW increased 2017–2018 biennium capital program from \$850K to \$2.5M
 - The increase funded two required UIC projects; 31 catch basin treatment retrofits; 2 reforestation projects; one shared property acquisition w/ Parks & Lands

► 2019–2024 Remaining Project Opportunities

- 40 potential projects not yet programmed*; estimate 15–20 may be viable (~\$8–10M)

*Required repairs, reforestation, or will be re-evaluated during sub-basin planning

Risks and Unknowns

- ▶ 2019 Municipal Stormwater Permit
 - Ecology leaning toward a new performance measure which may require changes to future project selection and prioritization
- ▶ Grant funding*
 - Available funding subject to change
 - Competitive process
 - Currently not eligible for primary grant sources due to County GMA issues

* 2013–2018 program utilized \$2.9 million in grant funds; plus additional \$500K for Heritage Farm demonstration parking lot

2019–2024 Next Steps

- ▶ Matrix and 6–year Plan updated and prioritized annually
- ▶ Continue focus on coordination, leveraging internal and external partnerships
- ▶ Scope sufficient projects to adjust to permit demands
- ▶ Complete sub–basin planning to find the most cost–effective improvements
- ▶ Incorporate input from Clean Water Commission