

2023-2028 Stormwater Capital Plan

Clark County Council Work Session

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October 26, 2022



Work Session Goals and Agenda

Council Action: No action required – informational

Goals:

- ▶ Overview of 2023-2028 Stormwater Capital Plan

Agenda:

- Permit overview
- County policies/goals and regulatory requirements
- 2022 capital recap
- **2023-2028 plan**
 - ▶ Priorities
 - ▶ Project types
 - ▶ Schedule
 - ▶ Funding/leveraging/grants



NPDES Phase 1 Municipal Stormwater Permit

State and Federal law

- Federal Clean Water Act - EPA
- EPA delegates authority to Ecology
 - ▶ National Pollutant Discharge Elimination System (NPDES) Municipal Stormwater Permit
 - ▶ Regulates discharges to waters of the state
 - ▶ Updated every 5 years – current permit August 2019 – July 2024

Permit Compliance

- Led by Clean Water division
- Supported by multiple divisions and depts
- Numerous requirements and criteria

Compliance is important!

- Public health, water body health, and quality of life
- Fines and third-party lawsuits

Program Components/ Requirements

- Storm sewer inventory
- Code and manual updates
- Watershed planning
- Source control and illicit connections
- **Stormwater capital projects**
- **Stormwater facility maintenance**
- Coordination with other jurisdictions
- Surface water and stormwater monitoring
- Education and outreach



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

Phase 1 Municipal Stormwater Permit:

- Structural stormwater controls – prevent or reduce impacts to waters of state
- Stormwater management planning
- Maintenance and operations

Underground Injection Control Program:

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



2022 Stormwater Capital Summary

Construction - Five projects

- Water quality
 - ▶ Mt. Vista 8 Stormwater Facility
 - ▶ Northeast Hazel Dell Ave (Cougar to 94th Street) WQ
- Reforestation
 - ▶ Schriber (Phase 2)
- Underground Injection Control
 - ▶ Country Meadows UIC (2023 completion)
- Property acquisition
 - ▶ Cedars golf course



Design - Five projects

Planning

- ▶ Tenny Creek/114th Tributary retrofits
- ▶ Reforestation planning



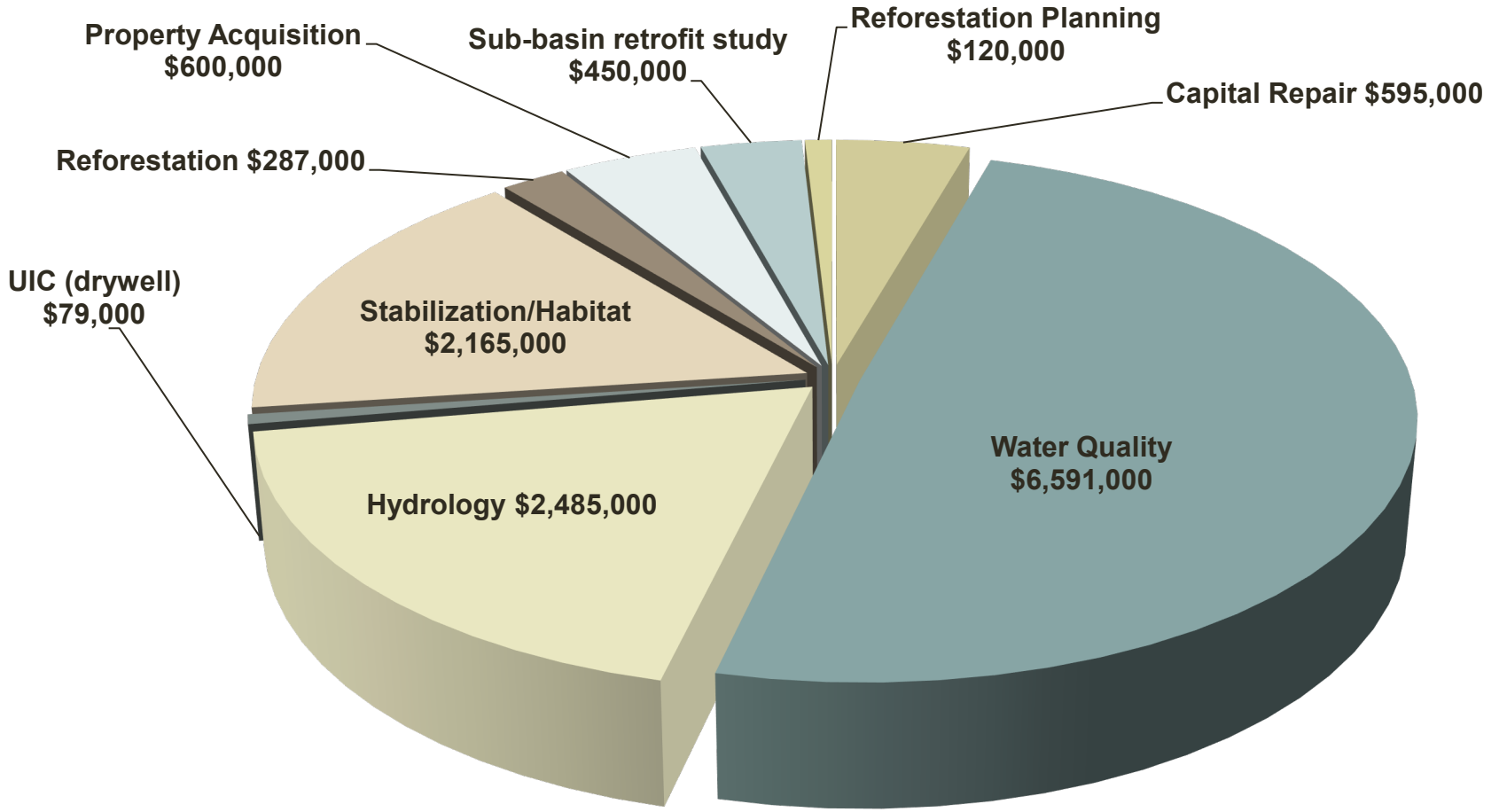
2023-2028 Priorities

- Required capital repair projects (>\$25,000)
- Water quality treatment in lower Salmon Creek tributaries (Cougar, Suds, Tenny, 114th Street)
- Reforestation of county lands
- Property acquisition for stormwater benefit
- Ongoing Programs
 - Reforestation planning
 - Drainage basin retrofit studies
 - Street sweeping



Project Types

30 projects
2 ongoing programs
\$13.4 Million 2023-2028 Total



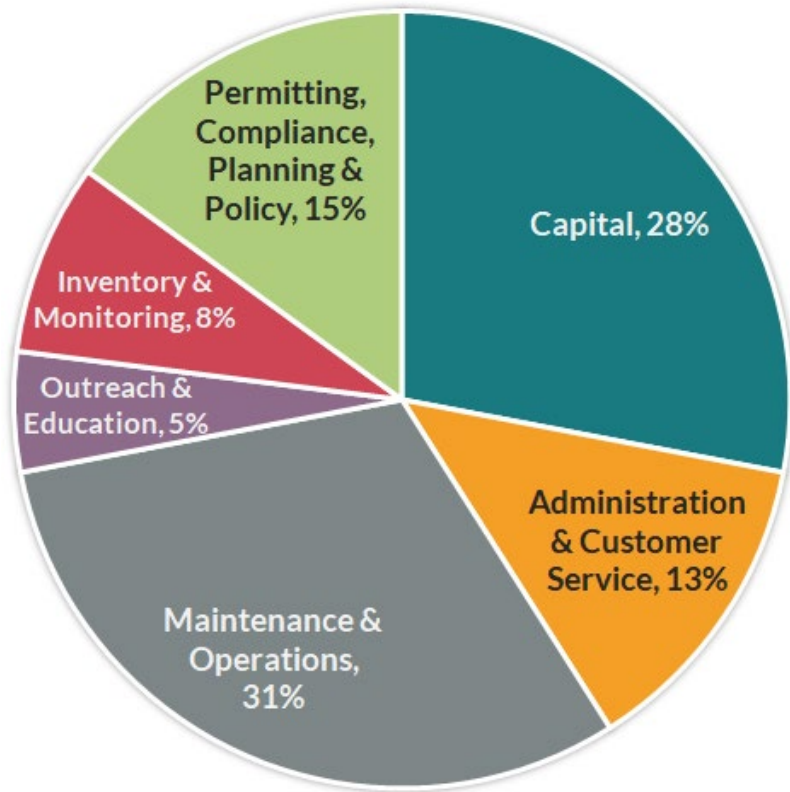
Schedule

Orange: Funds spent through 2022
Blue: 2023-2028 funding
Green: Additional street sweeping funds

2022	2023	2024	2025	2026	2027	2028
Country Meadows UIC Decommission <i>(\$6K) (\$79K)</i>	NE 99th St (I-5 to E of Hwy 99) WQ <i>(\$540K)</i>					
Wilding Park SWF Swale Repair <i>(\$5K) (\$80K)</i>	NE Hazel Dell Ave ROW WQ <i>(\$455K)</i>					
Salmon Creek Greenway @ Cougar Creek Reforestation <i>(\$10K) (\$137K)</i>	NE 99th St catch basin WQ <i>(\$218K)</i>		NE 78th St East of Bingo Hall WQ <i>(\$625K)</i>			
NE Hwy 99 (68th to 78th) WQ <i>(\$75K) (\$642K)</i>	Reforestation (*Cedars GC Property) <i>(\$150K)</i>					
Philbrook Farms SWF Repair <i>(\$32K) (\$250K)</i>	Acquisition (*Three Creeks) <i>(\$200K)</i>					
Heritage Farm wetland restoration <i>(\$226K) (\$2.5M)</i>	OneWater Pilot Project <i>(\$75K)</i>					
Cougar Creek 3 Enhancement <i>(\$97K) (\$910K)</i>						
NE Hazel Dell (78th St to Cougar Cr) WQ <i>(\$3K) (\$800K)</i>					Acquisition(*Lower Lacamas) <i>(\$400K)</i>	
NE 78th St at NE 13th and 16th Ave WQ <i>(\$333K)</i>		Lower Suds Creek Restoration <i>(\$980K)</i>				
Swan Ponds SWF Repair Planning <i>(\$30K)</i>		NE 99th St (NE 25th Ave to Tenny Creek) WQ <i>(\$540K)</i>				
Hwy 99 (99th to 104th St) WQ <i>(\$320K)</i>						
Hwy 99 (78th to 86th St) WQ <i>(\$702K)</i>						
Hwy 99 (S of 99th St) WQ <i>(\$765K)</i>						
Merritt's Hideaway SWF Repair <i>(\$50K)</i>	NW 99th St Corridor WQ <i>(\$296K)</i>					
NE 119th St/26th SWF Repair <i>(\$50K)</i>			NE 78th St Heritage Farm ROW WQ <i>(\$280K)</i>			
Lindemann/ Cold Cr Ct Repair <i>(\$100K)</i>			Whipple Creek NW 11th Ave Habitat Improvement <i>(\$275K)</i>			
Mayer's Terrace SWF Repair <i>(\$35K)</i>						
Ongoing Programs:	Reforestation Planning <i>(\$120K)</i>		Sub-basin Retrofit Planning <i>(\$450K)</i>		Street Sweeping <i>(\$1.4M)</i>	



Funding



2022 Clean Water Adopted Budget

Total budget: \$10 million

Annual capital spending varies significantly based on project construction timelines



Leveraging

- Property acquisitions can qualify for capital credit (Legacy Lands, Clean Water)
- Reforestation program on county lands
- Heritage Farm wetlands restoration – capital credit and completes a component of the farm master plan without using general fund dollars
- Combine required UIC retrofits at Country Meadows with completion of Northeast 99th Street in 2023
- Ongoing coordination with CRP to leverage opportunities and catch basin retrofits



Grants

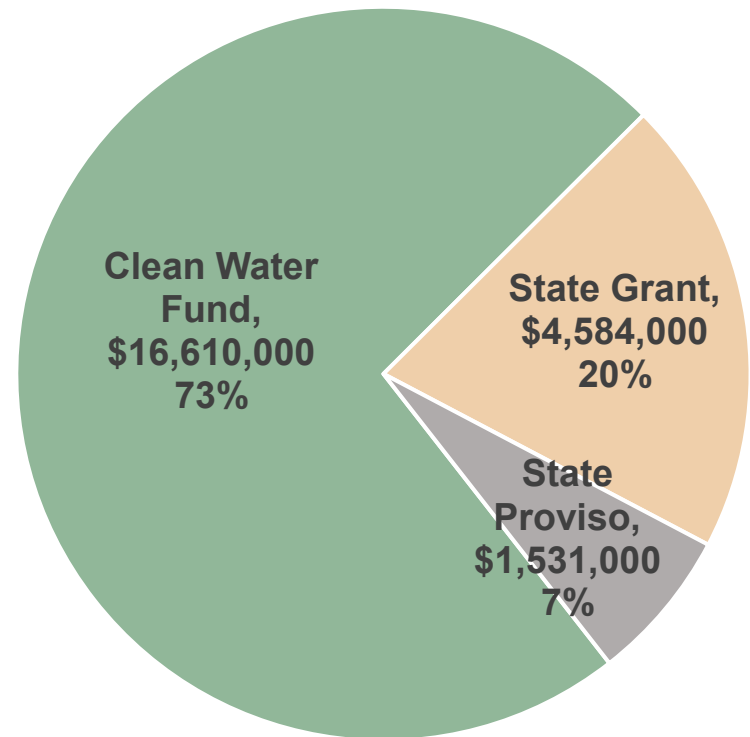
2023-2028 Funding

- Funding currently awarded toward two projects: \$1.1 million total

Current and future proposals

- October 2022 – design proposal submitted for \$150,000
- Anticipate submitting construction proposals for 7 projects 2023-2026: \$4 million

2011-2022 Structural Stormwater Controls



Thank You!

Comments and Questions

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