

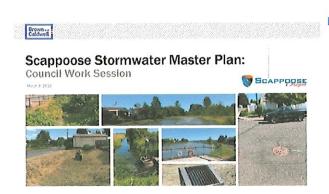
MONDAY, MARCH 6, 2023 CITY COUNCIL WORK SESSION ~ STORMWATER MASTER PLAN, 6PM COUNCIL CHAMBERS 33568 EAST COLUMBIA AVENUE SCAPPOOSE, OREGON 97056

Mayor Backus called the work session to order at 6:00 p.m.

Present: Mayor Joe Backus; Council President Megan Greisen; Councilor Pete McHugh; Councilor Tyler Miller; Councilor Andrew Lafrenz; City Manager Alexandra Rains; Legal Counsel Peter Watts; City Recorder Susan M. Reeves; Public Works Director Dave Sukau; City Engineer Chris Negelspach; Assistant to City Manager Isaac Butman; Brown and Caldwell Consultant Angela Wieland; and Brown and Caldwell Consultant Thomas Suesser.

Remote: Councilor Jeannet Santiago; Councilor Kim Holmes; FCS Group Consultant Amanda Levine; FCS Group Consultant John Ghilarucci; Gary Wheeler; Geoff Wenker; Leonard Waggoner; Debbie Murphey; and Amanda.

Consultant Angela Wieland and Consultant Thomas Suesser went over the presentation.



Work Session Goals

- · Review the Master Plan development process/timeline
- · Summarize technical project elements
- · Summarize capital project and program recommendations
- Review preliminary stormwater utility rate and SDC analysis results

Where Does Stormwater Go?



Where Does Stormwater Go?



Surface Waters

- Gutters, catch basins, pipes, outfalls
- Ditches, open channels
- Streams and rivers

· Underground

- Surface infiltration
- Underground injection (drywells, U.Cs)
- Pollutants on ground surfaces are conveyed via stormwater and enter streams
- · No end of pipe treatment syste

City's Stormwater System

- Collects and conveys stormwater to receiving water bodies.
- Stormwater collection system components include pipes, open channels (ditches, streams, creeks), ponds, water quality facilities, culverts, and structures (manholes, catch basins)
- 21.9 miles city-owned or managed stormwater pipe/ culverts/ open channel
- 1,300 + structures 56 public UICS
- · Water quality facilities



Stormwater Master Plan Goals and Objectives

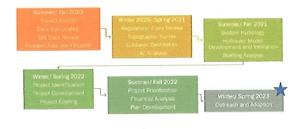
Goal: To guide storm drainage infrastructure improvements over a 20-year implementation period.

Harness Staff Knowledge	Incorporate information on project needs from City staff (Public Works and Engineering)
Identify Problem Areas	
Identify Programs	identify programmatic apportunities to support of regulatory needs and engoing system malmeterice.
Prioritize Projects	
Evaluate Financials	Develop sodared stormwater utility rate and system development charge to sudport organizations.

Stormwater Master Plan Development Process



Project Timeline



Master Plan Elements

- Code Review/Policy Considerations
- · Problem Area Identification
- · Water Quality and UIC Assessment
- Hydrologic/Hydraulic Modeling
- Staffing Evaluation
- Capital Project Development and Prioritization
- · Program Recommendations
- · Rate and SDC Analysis
- Document Development



Problem Area Identification

- Staff Surveys (PW and Engineering)
- Staff discussions/ Problem Area Workshop
- · GIS Data Review
- 1998 Stormwater Master Plan CIP Review
- Field Investigations and Site Visits





UIC Assessment



- GIS desktop analysis to identify where UIC installations are feasible.

 Must meet DEQ requirements related to setbacks
- Must be installed in permeable soils.
- · Feasibility criteria included:
- 5' min, vertical separation distance from groundwater 255' min horizontal separation distance from water wells.
- · 20' max depth
- Soil compatibility
- · Informs new UIC placement opportunities

Staffing Analysis

- Regulatory requirements can drive stormwater inspection, maintenance, and retrofit requirements.
 TMDL for Willamette Basin (mercury)
- · WPCF Permit (for public UICs)
- Reviewed frequency and coverage of inspection and maintenance activities.
- Identified implementation gaps.
- Estimated additional staffing levels
- · Result = 1.3 FTE



Hydrologic and Hydraulic Model Evaluation

- 124 subbasins delineated and analyzed
- Land use (existing and future), soils, impervious percentages formed the basis of flow calculations
- Model extents based on problem area evaluation 14 Problem Area Locations Pipes, culverts, open channel
- Model validation based on anecdotal information, historical rainfall
- Source data:
 City GIS data
 Survey/field assessment
 USGS soils data
 City staff knowledge

Capital Project Identification

Capital Project

- ID sources
- Project/Program Needs
- Project phasing and alternatives
- Project Sizing and
- 25-year design storm
- · Future land use

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Capital Project Development 18 Capital Projects Identified

- Projects numbering by basin
- Project Objectives (Primary)
- · Increase system capacity · Address infrastructure need
- · Project Objectives
- (Secondary)
 Reduce maintenance needs
- · Add water quality treatment
- Fact Sheet Narratives/Cost Estimates



Capital Project Prioritization

Scoring Criteria

- Capacity Deficiency
- Water Quality/ Regulatory Benefits
- Maintenance
- Acquisition
- · SDC Funding Eligibility
- Permitting Complexity
- · Safety/Liability
- Sequencing
- Cost per Drainage Area Managed

Scoring Levels

*Addresses modeled and validates flooding problem with stifely old results. *Addresses recovering maintenance concern. *Junited permitting or land exceptibition needs. *Anoling efficiencies.

- Addresses modeled system flooding or system condition/ maintenance issue
 Addresses periodic maintenance concern.

- Some flood control benefit
 Pormitting and acquisition complexities
 High cost per drainage area managed.

Programmatic Activities

- Annual cost to address regulatory requirements, ongoing maintenance, and repair and replacement activities.

 CCIV Program (pipe condition inspection)

 \$10,000 \$20,000/ year (10% of piped system should)

 Repair and Replacement Program
- \$30,000 \$60,000/ year Stormwater Asset Management Program Maintenance
- \$10,000/year
 UIC Retrofit Program
- \$50,000/ year (assuming 10-year period)
 Minor Drainage Improvement Program
 \$25,000 \$50,000/ year
 Green Street Pilot Program

- \$50,000/ year (for recommended and aspirational LOS)



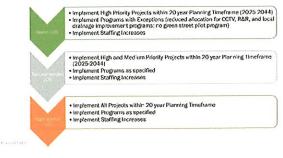
Cost Summary

Capital Projects	Total Cost	
High Priority	\$4,711,000	
Medium Priority	\$6,289,000	
Low Priority	\$9,622,000	
TOTAL	\$20,622,000	
TOTAL (SDC Efigible)	\$5,379,000	

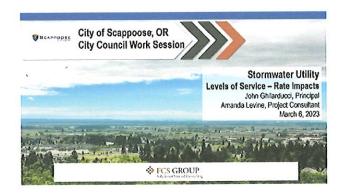
PROGRAMMATIC SUMMARY

- 1.3 FTE additional staffing (Engineering and/or Public Works)
 Annual Program Cost = \$135,000 250,000 (depending on LOS)

Level of Service



FCS Group Consultant John Ghilarducci and Consultant Amanda Levine went over the presentation.



Financial Study

- . Introduction/ Existing Stormwater Funding
- Rate Study Basics
- Rate Forecast
 - » Levels of Service
 - Rate Forecast Comparables
- System Development Charges
 - Calculation Summary
- Comparables Summary

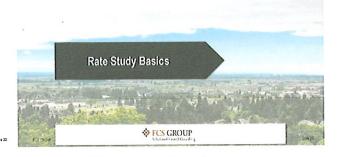




- Primary revenue source for Stormwater Program = User fees
- Stormwater fees are guided by strategies and plans; set by Council

Customer Class	Monthly 2022 Fees	Monthly 2023 Fees
Residential	\$5.53 per parcel	\$5.85 per parcel
Non-residential	\$5.53 per ESU	\$5.85 per ESU

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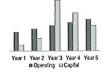
Introduction to Utility Rate Making

· Utility rates are set to cover the cost of providing service

Operating & maintenance (O&M)

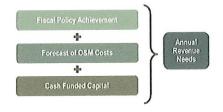
- Personing & maintenance (com) Stormwater Department saferies and benefits Materials & Services Cottractual/Professional Expenses New FTES Public Works & Engineering

- Capital costs
 Infrastructure improvements
 Repair & replacement programs
 Retroft programs



Example

How Much Revenue is Needed?



Fiscal Policies Recommendations

Policies	Recommendation	Amount	
Operating receive days (33%) of total exhault operating expenditure casheling teachers.		\$101,000 in FY 2023	
Cupital reserve (one time)	Achieve a year-end target of \$100,000	(in addition to operating reserve)	

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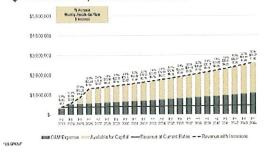
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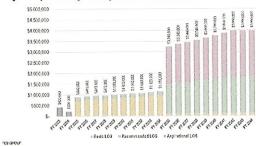
Capital Projects by Levels of Service



Revenue Requirement - Basic LOS



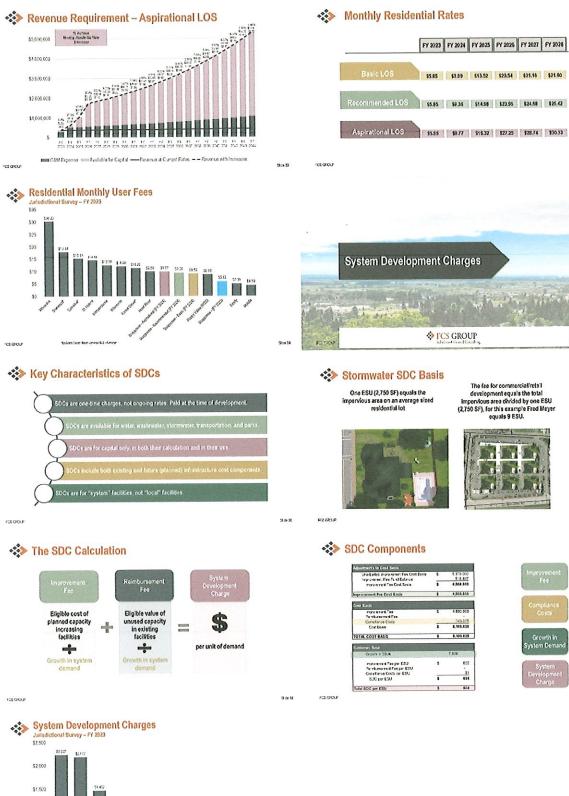
Capital Projects by Levels of Service



Revenue Requirement – Recommended LOS



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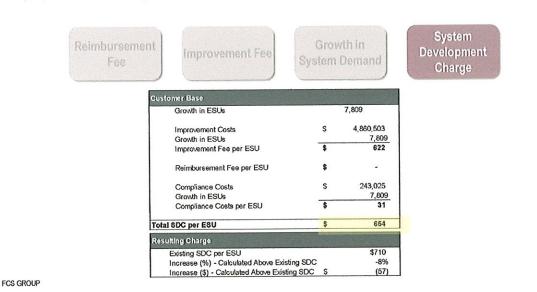


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Council President Greisen stated when you look at our rates currently, they are quite low. Historically our rates have maintained that way. She asked Public Works Director Dave Sukau to give a background about where our rates are now, where they have been, why they have sort of stayed where they are and the need to maybe change that for the future.

Public Works Director Dave Sukau gave an overview of the stormwater plan. He explained to date it is not being fully utilized, it's not paying its fair share of costs that Public Works has incurred.

Councilor Santiago asked about the programmatic activities and are the consultants recommending implementing these programs and is that part of the cost of rates from scoring them? She also asked if we have something similar in place currently?

Amanda Wieland replied yes, the programs are a new cost and those costs have been reflected in the rate and SDC analysis that were presented.

Slide 53

Councilor Holmes stated fabulous job packaging this information. She explained three things really stood out to her in this report that she would like to see perhaps replicated in future reports that Council gets from consultants. She really appreciated the three levels of funding for the capital investments that would cover just basic level of service, the recommended level, and then aspirational level. She also like how the need for additional FTE was identified to be built into the budget. She stated the comparison to other cities is really, really helpful. She explained one thing that would be really helpful for her as a new Council person to understand is really what the results and benefits are that would come along with a rate increase and all of these projects that have been discussed. She feels if there is a way to demonstrate the impact of that, what that would look like, that would be really helpful, she thinks, in selling this to the community, if there's water quality improvements particularly for Scappoose Creek. She stated understanding what the risks of regulatory non-compliance would be if these projects don't go into place, would also be really helpful because she thinks we are going to have to package every increase to the community. Then just lastly to staff, we have been talking about a lot of different fee increases for services and they're all justifiable, if Council could get maybe a bigger picture of understanding of where we are talking about fee increases. She is looking for what are the rates that have been increased or the fees that have been increased the last year and what are we talking about potentially increasing in the next year or two, that way Council can consider all of these in a bigger context.

Adjournment

Mayor Backus adjourned the work session at 7:00pm.

Mayor Joseph A. Backus

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Attest:

City Recorder Susan M. Reeves, MMC