



**CITY OF WASHOUGAL
CITY COUNCIL WORKSHOP MEETING
MINUTES
Monday, August 22, 2022
5:00 PM**

MEETING INFORMATION

Please click on link below to join webinar:
<https://us02web.zoom.us/j/83856182194>

I. CALL TO ORDER

Mayor Rochelle Ramos called the meeting to order at 7:00 pm.

II. ROLL CALL

Present: Mayor Rochelle Ramos and Councilmembers Michelle Wagner, David Stuebe, Janice Killian, Molly Coston, and Julie Russell

Absent:

Ernie Suggs

Staff:

David Scott, City Manager
Kenneth Woodrich, City Attorney
Trevor Evers, Director of Public Works
Monie Holmes, Interim Finance Director
Mitch Kneipp, Community Development Director
Wendi Steinbronn, Police Chief
Teresa Stedman, Human Resources & Risk Director
Michelle Wright, Public Works Business Administrator
Rose Jewell, Community Engagement Manager

III. PUBLIC COMMENTS

IV. NEW BUSINESS

A. Public Works: Water System Plan Update – Brent Gruber with Murraysmith

Trevor introduced Brent Gruber from Murray Smith. He presented the Water System Plan Update:

- Water System Plan (WSP) Purpose
 - Why Develop WSP?
- Overview of the Washougal Water System
- Summary of Findings and Recommendations
 - Existing Water System Infrastructure
 - Existing Water System Characteristics
 - Existing System Assessment Criteria
 - Existing Water System Assessment
 - Existing System Assessment Results
 - Future System Assessment Results
 - Recommended Projects
 - Recommended 10 years projects

- Recommended Projects Summary
 - Next Steps
 - Set Hearing for 9/12/22
 - Have Hearing 9/26/22
- Trevor explained finding and had breakdown of what has already been paid.

V. PUBLIC COMMENTS

None

VI. REPORTS AND COMMUNICATIONS

A. CITY MANAGER

David Scott:

- New Finance Director
- ARPA
- Strategic Planning through November
- Budget presentation 9/12
- Formal Budget Presentation end of October

B. MAYOR

Mayor Rochelle Ramos:

- Hartwood Park Tagging
- Public Works: Maintenance schedule

C. CITY COUNCIL

Councilmember Stuebe:

- Recognized Michelle for APPA social media
- Affordable housing parking downtown
- Tagging at Hartwood

Councilmember Wagner:

- Workshop on graffiti
- Workshop on parking downtown

Councilmember Killion:

- Mosquito Control
- Steigerwald Refuge no greater mosquito activity this year

Councilmember Coston:

- Deferred to Council Meeting

Councilmember Russell:

- Fred Meyer Vandalism cameras
- Asked to be excused for 9/12 meetings

VII. ADJOURNMENT

Mayor Rochelle Ramos adjourned the meeting at 5:44pm.

Mayor

City Clerk

Water System Plan Update

Presented to Washougal City Council

Trevor Evers, Public Works Director

Brent Gruber, Murraysmith

August 22, 2022

Agenda

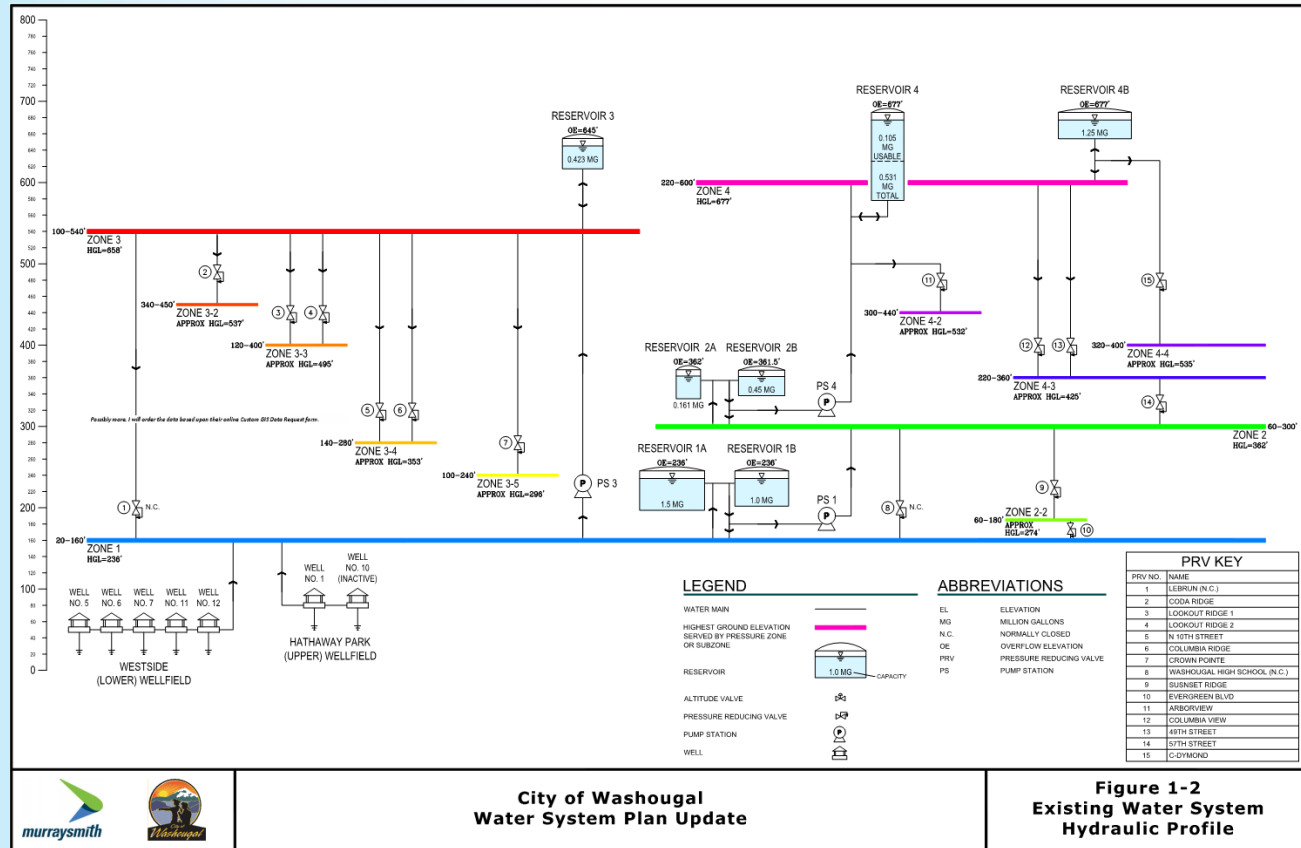
- Water System Plan (WSP) Purpose
- Overview of the Washougal Water System
- Summary of Findings and Recommendations
- Q&A

Why Develop a Water System Plan?

- Meet regulatory requirements of WAC – update required every 10 years
- Evaluate system compliance with DOH requirements
- Plan and budget for system improvements

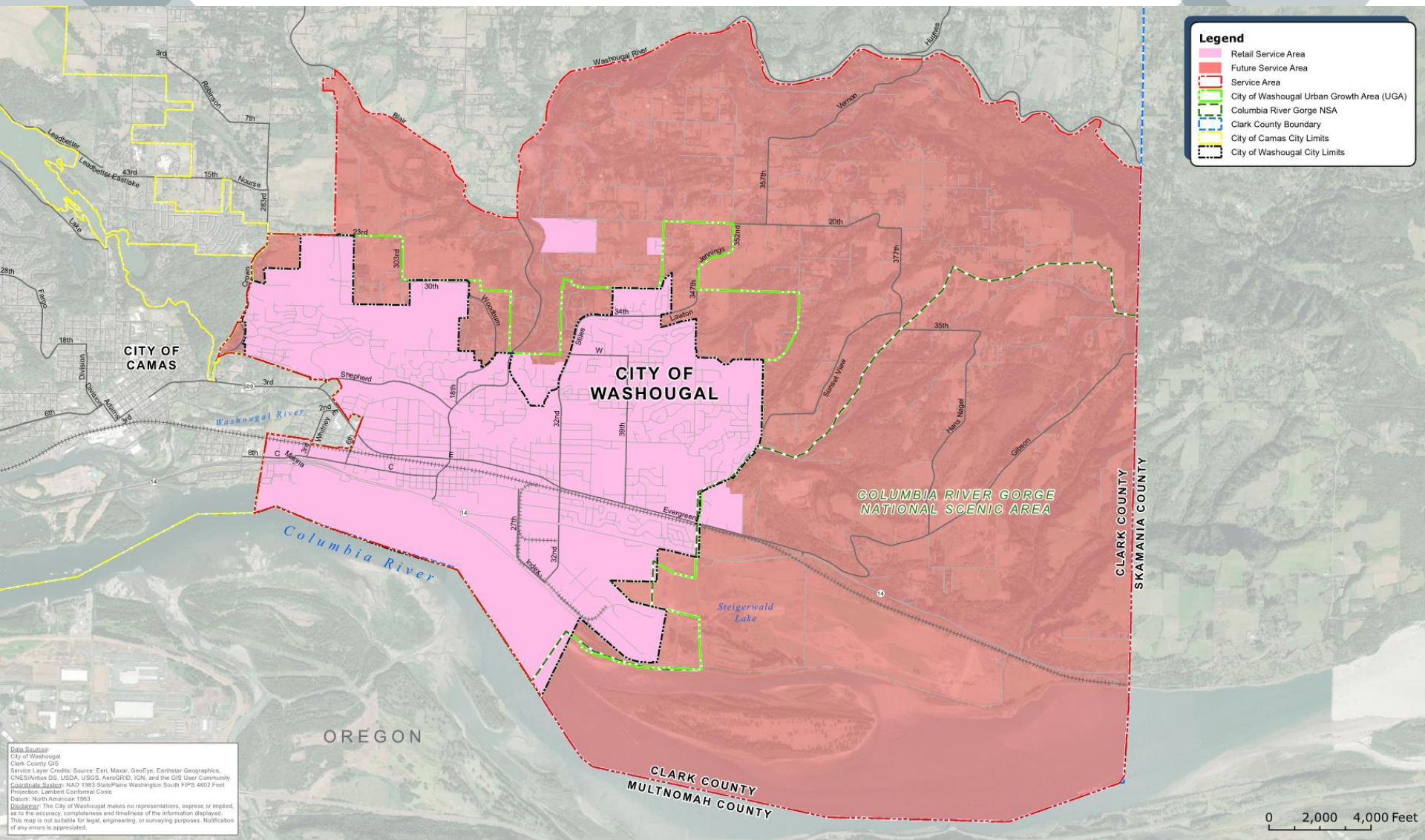
Existing Water System Infrastructure

- 6 Wells
- 8 Reservoirs
- 4 Booster Pump Stations
- 13 Pressure Zones
- 83 Miles of Pipe



Existing Water System Characteristics

- ~ 5,832 active accounts
- ~ 17,627 population
- 1.6 million gallons used on average each day (ADD)
 - ~ 75% Residential Usage, 25% Commercial/Industrial Usage
- 3.6 million gallons used on max day (MDD)

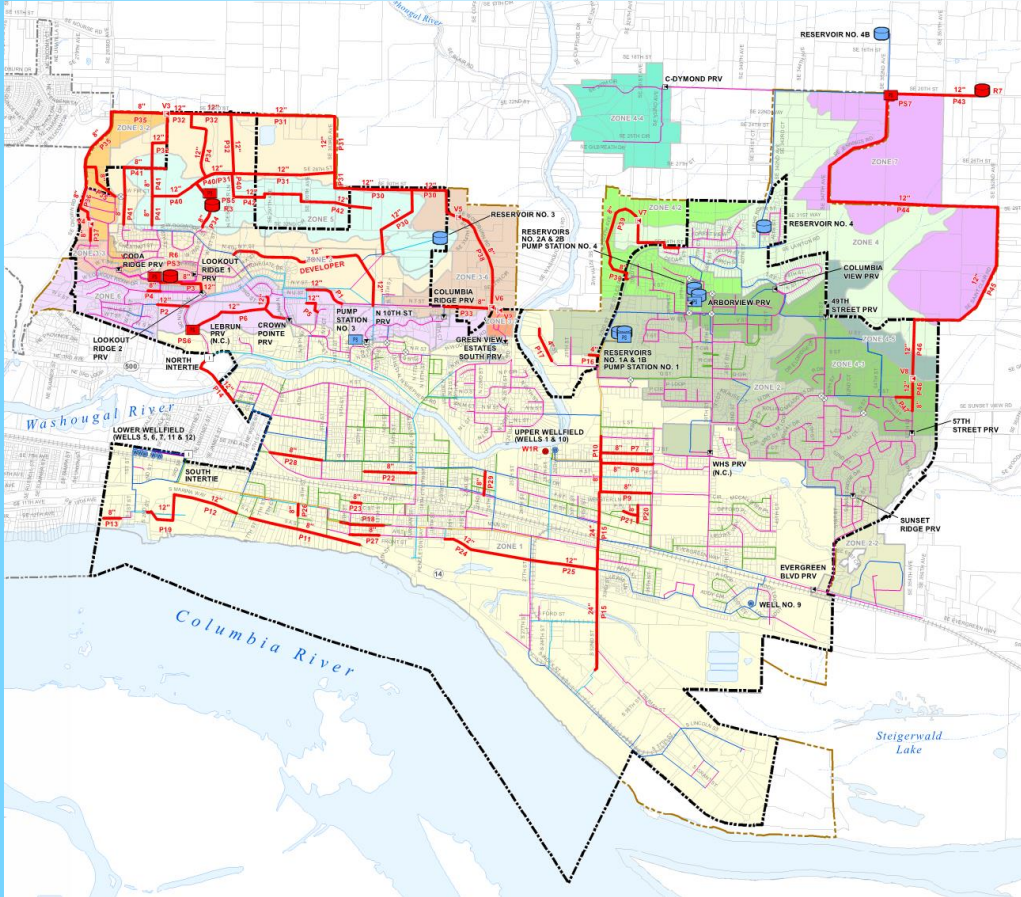


Existing System Assessment Criteria



- WAC/DOH Criteria
 - Sufficient water rights
 - Well supply can meet max day
 - Adequate backup power at supply facilities
 - Adequate tank storage volume
 - Meet minimum required fire flows on max day
 - Maintain minimum system pressures
 - High water quality

Existing Water System Assessment



- Evaluate infrastructure and pipe network to meet criteria for planning periods
- Use hydraulic model
- Identify deficiencies
- Propose projects to address deficiencies

Existing System Assessment Results

- Satisfies supply, storage, and booster pump station analysis criteria
- Provides high-quality water to customers
- Deficiencies
 - Fire flow deficiencies on undersized or dead-end mains
 - High service pressures on lower elevation homes in Zone 3

Future System Assessment Results

- Infill and future service area growth applied
- Assessed same criteria as existing scenario, but applied to future service area and demands
- Determined what projects and operational changes are needed to supply future areas and customers

Future System Assessment Results

- Addition of new Pressure Zones 5, 6, and 7 to accommodate growth
- Continue to address fire flow issues from existing assessment
- Plan for pipe replacement program as pipes age

Recommended Projects

- Address identified deficiencies
- Projects prioritized as 10-Year (2021-2029) and 20-Year (2030-2039)
- 20-Year projects will be refined and updated with future WSP updates
- Subject to annual updates and budget review

Recommended 10-Year Projects

Type	Description	Cost (\$)*
Storage Facilities	- Reservoirs 1A and 1B Seismic Upgrades - Future Reservoir 6 Site Grading <i>Completed</i> - Site Alternatives Analysis for Future Reservoir 7	\$1,143,800
Supply Facilities	425 gpm Well 1R	\$2,273,900
Northside Development	0.31 MG Reservoir 3B <i>Completed</i> 1,200 gpm BPS 5 <i>Completed</i> - Distribution System Oversizing <i>Completed</i>	\$2,100,000
Piping Improvements	12 new or replacement water main projects 2 water service transfer projects - Annual Pipe Repair / Improvements and AMI	\$7,708,400
Planning	- Rate and connection fee study - AWIA Risk and Resilience Assessment / ERP - Water System Plan Update - System Capacity / CIP Update	\$685,600
Total		\$13,911,700

**Note: Costs reflect 2020 / 2021 Planning Estimates*

Recommended Projects Summary

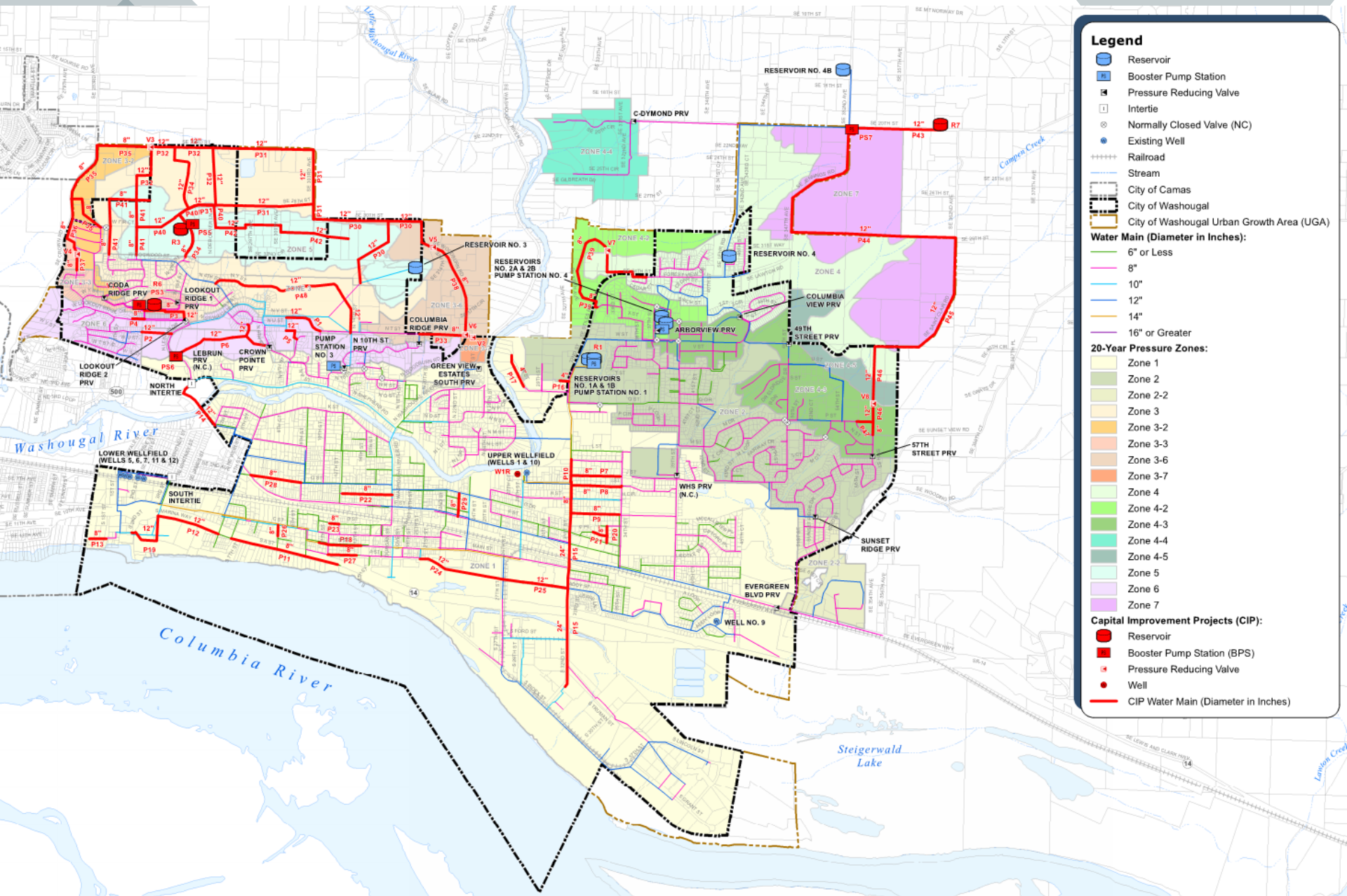
- \$13.9 million in years 1-10
- \$39.3 million in years 11-20
- \$53.2 million total over 20 years
- Financial Plan Assumptions:
 - ✓ 2020-2021 Planning Level Cost Estimates
 - ✓ 3% Annual Rate Increase
 - ✓ \$2.75M in Revenue Bond Financing

Next Steps

- Set the Public Hearing – September 12th
- Hold the Public Hearing, Final City Approval and Adoption - September 26th
- Submit Final WSP to DOH for Approval
- WSP Amendment/Update Every 10 years

Q&A





Legend

- Reservoir
 - Booster Pump Station
 - Pressure Reducing Valve
 - Intertie
 - Normally Closed Valve (NC)
 - Existing Well
 - Railroad
 - Stream
 - City of Camas
 - City of Washougal
 - City of Washougal Urban Growth Area (UGA)
- Water Main (Diameter in Inches):**
- 6" or Less
 - 8"
 - 10"
 - 12"
 - 14"
 - 16" or Greater
- 20-Year Pressure Zones:**
- Zone 1
 - Zone 2
 - Zone 2-2
 - Zone 3
 - Zone 3-2
 - Zone 3-3
 - Zone 3-6
 - Zone 3-7
 - Zone 4
 - Zone 4-2
 - Zone 4-3
 - Zone 4-4
 - Zone 4-5
 - Zone 5
 - Zone 6
 - Zone 7
- Capital Improvement Projects (CIP):**
- Reservoir
 - Booster Pump Station (BPS)
 - Pressure Reducing Valve
 - Well
 - CIP Water Main (Diameter in Inches)