

Council Meeting

City Hal

Sewer Utility System Development Charge Update

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• Background

• System development charges (SDCs)

- » Overview
- » Methodology
- » Results
- Next steps
- Questions / discussion



2018 Rate Study

- Sewer SDC changes deferred until completion of GSP
- Discussed eliminating class based SDCs, specifically industrial class
 - Independent study to be performed for any new industrial customers connecting to the City
- Discussed assessing Sewer SDCs based on flow ERUs instead of meter size
- Consolidated area-based water SDC into system wide SDCs

Existing Charges

Class	So	uth Area	North Area		
Residential	\$	2,493	\$	4,420	
Commercial I					
5/8"	\$	2,493	\$	4,420	
3/4"		3,740		6,630	
1"		6,234		11,050	
1.5"		12,467		22,101	
2"		19,948		35,361	
3"		39,896		70,722	
4"		62,337		110,503	
6"		124,674		221,006	
8"		199,478		353,609	
Commercial II					
Flow (gallons)	\$	12.61	\$	22.84	
BOD (lbs/day)		2,386		3,948	
TSS (lbs/day)		904		1,495	



- Revised Code of Washington (RCW) 35.92.025 grants Cities the authority to fix rates and charges for connecting to water & wastewater systems
- One time charge imposed on new development or expanded connection to system
- Represents a prorated share of the cost of providing system capacity
- Based on cost of system infrastructure investment
 - » Allows for both existing and future costs
- May not be used to fund operation and maintenance costs



- Consists of two parts
 - » Existing cost basis: intends to recognize the current ratepayers' net investment in the original cost of the non-donated system
 - » Future cost basis: intends to include future facilities needed to serve growth, as well as to provide for regulatory system improvements





Existing Costs

- Existing assets (original cost)
- Less: Contributions (developer/grants)
- Less: Net debt principal
- Plus: Interest (maximum 10 years)

Future Costs

- Future capital
- Less: Ineligible projects
- Less: Repair and replacement projects

SEWER SDC RESULTS



Calculation Component	Characteristics	Amount
1. Original Cost of Current Assets	Based on inventory of City assets through 2021.	\$82.8 million
2. Less: Contributions	Excluding assets that were funded by other entities.	\$(15.7) million
3. Less: Net Debt Outstanding	Avoids double counting of assets paid through rates and SDCs.	\$(14.9) million
4. Plus: Interest	RCW allows for inclusion of up to ten years of interest on each asset, not to exceed the original cost of the asset.	\$27.7 million
Total Existing Cost Basis		\$79.9 million



Calculation Component	Characteristics	Amount
1. Capital Improvement Plan (CIP)	Projects identified in the General Sewer Plan (GSP). All project costs in current day dollars.	\$66.5 million
2. Less: Ineligible Projects	No ineligible projects identified in sewer CIP	\$- million
3. Less: Renewal & Replacement Projects	Future cost basis includes only capacity enhancing projects. Deducting projects that will replace aging infrastructure.	\$(41.8) million
Total Future Cost Basis		\$24.7 million



Cost Basis		Applicable Customers	Total
Existing Cost Basis (\$79.9M)	•	Current & Future Customers (20,500 MCEs)	\$3,900
			+
Future Cost Basis (\$24.7M)	• Future Customers (6,150 MCEs)		\$4,010
Total System Development	\$7,911		
Current Residential SDC p	\$2,899		
Current Residential SDC p	\$4,420		

Note: MCE = Meter Capacity Equivalents (3/4" meter)



Summany Elow Factors One System		Sustam	Existing SDCs			\$ Difference					
Summary	FIOW FACIOIS	One System			South		North		South		North
Residential		\$	7,911	\$	2,493	\$	4,420	9	5,418	\$	3,491
Commercial I											
3/4"	1.00	\$	7,911	\$	3,740	\$	6,630	9	6 4,171	\$	1,281
1"	1.67		13,184		6,234		11,050		6,950		2,134
1.5"	3.33		26,369		12,467		22,101		13,902		4,268
2"	5.33		42,190		19,948		35,361		22,242		6,829
3"	10.00		79,106		39,896		70,722		39,210		8,384
4"	16.67		131,843		62,337		110,503		69,506		21,340
6"	33.33		263,686		124,674		221,006		139,012		42,680
8"	53.33		421,898		199,478		353,609		222,420		68,289

- Calculated charges are "maximum allowable"
 - » By policy may set below maximum allowable
 - Rates make up the difference
 - » May be adjusted annually by an accredited inflation index (e.g., ENR CCI)





Note: Clark RWD Tier 1 – Tributary to Westside Treatment Plant | Tier 2 – Tributary to Salmon Creek Treatment Plant | Tier 3 – Tributary to Ridgefield Treatment Plant.



- Estimate Demand: based on average demand (gallons per day) per Equivalent Residential Unit (ERU)
 - » Based on estimated "actual" demand
 - May also be assessed on fixture units, number of seats in restaurants, chairs in schools
 - » Pros
 - Flexibility for larger customer more granular charges
 - Appropriate for large volume non-peaking accounts
 - » Cons
 - Based on estimated demand, should true-up
 - Higher level of complexity and understandability



- Based on water data and updated ERU of 195 gallons per day (gpd)
 - » 1 MCE (3/4" meter) = 1 ERU

Summary	Flow Factors	One System	
Residential		\$	7,911
Commercial I			
3/4"	1.00	\$	7,911
1"	1.67		13,184
1.5"	3.33		26,369
2"	5.33		42,190
3"	10.00		79,106
4"	16.67		131,843
6"	33.33		263,686
8"	53.33		421,898
SDC \$/ERU		\$	7,911

EXAMPLE ONLY

Meter Size	2"	2"	2"			
# of ERUs	3	5		200		
Meter Based SDC	\$ 42,190	\$ 42,190	\$	42,190		
ERU Based SDC	\$ 23,732	\$ 39,553	\$	1,582,116		

• Notes:

- » Based on historical data, avg.
 2" commercial account is 5.6 ERUs
- » Highest industrial 2" account may exceed 200 ERUs



Incorporate feedback

- » Consolidate area specific charges?
 - Consistent with water SDCs and other impact fees
- » Adopt maximum allowable charges?
- » Escalate annually to account for inflation?
 - Consistent with water SDCs and other impact fees
- » Keep meter-based charges?
 - Estimated demand (ERU) based?
- SDCs go into effect January 1st, 2023

Questions/Discussion

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COMWORK

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Thank you!

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