



WATER  
Plumbing Fixture Plan Review  
System Development Charge Calculation Sheet Based on Fixture Unit Weight (FUW)  
All water systems shall have water hammer arrestors and shall be accessible - Sec: 609.10 UPC

Appliances, Appurtenances or Fixtures	No Change to Existing Fixture	Existing Fixture Relocated or Replaced	Existing Fixture Removed Not Replaced	New Fixture Added Not a Replacement	FUW Count For Each Item	Total FUWs City to complete
Bathtub or combination bath/shower	X				4	
Bidet - Private	X				1	
Clothes washer	X				4	
Dental unit, cuspidor	X				1	
Dishwasher, domestic				1	1.5	1.5
Drinking fountain or water cooler - Private/Public				1	0.5	0.5
Drinking fountain or water cooler - Assembly	X				0.75	
Hose bib				1	2.5	2.5
Hose bib, each additional				7	1	7
Lavatory (bathroom sink)		2	2	2	1	-2
Pedicure basin	X				1	
Shower, per head	X				2	
SINKS						
Bar sink - Private	X				1	
Bar sink - Public	X				2	
Clinic Faucet - Public	X				3	
Clinic flushometer valve with/without faucet - Public	X				8	
Kitchen, domestic		1		X	1.5	1.5
Laundry	X				1.5	
Service or mop basin - Private	X	1			1.5	
Service or mop basin - Public			X		3	
Wash-up, each set of faucets - Public	X				2	
Wash fountain, circular spray - Public	X				4	
URINALS					2	
Urinal, 1.0 GPF Flushometer valve - Public	X		1		4	-4
Urinal, 1.0 GPF Flushometer valve - Assembly	X				5	
Urinal, greater than 1.0 GPF Flushometer valve - Public	X				5	
Urinal, greater than 1.0 GPF Flushometer valve - Assembly	X				6	
Urinal, flush tank – Private or Public	X				2	
Urinal, flush tank - Assembly	X				3	
WATER CLOSETS						
Water closet, 1.6 GPF Gravity tank/Flushometer tank – Private/Public	X				2.5	
Water closet, 1.6 GPF Gravity tank/Flushometer tank – Assembly	X				3.5	
Water closet, 1.6 GPF Flushometer valve – Private/Public		2		2	2.5	-7.5
Water closet, 1.6 GPF Flushometer valve – Assembly	X				3.5	
Water closet, greater than 1.6 GPF Gravity tank – Private	X				3	
Water closet, greater than 1.6 GPF Gravity tank – Public	X				5.5	
Water closet, greater than 1.6 GPF Gravity tank – Assembly	X				7	
Water closet, greater than 1.6 GPF - Flushometer valve - Private	X				7	
Water closet, greater than 1.6 GPF - Flushometer valve - Public	X				8	
Water closet, greater than 1.6 GPF - Flushometer valve - Assembly	X				10	
TOTALS						-0.5

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Contact Engineering Services for current System Development fee information

FORM PREPARED BY: Brian Middelkamp

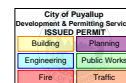
DATE: 7/16/23

TEL: 253-765-8292

EMAIL: Brian.Middelkamp@city-ro.org

Rev 7/16

It is the responsibility of the applicant or property owner to retain a copy of this plumbing fixture worksheet and the utility service credit email to submit to the City for future building permit credit. Credit is only valid for a period of six years from the date of permit issuance.



# SANITARY SEWER

## Plumbing Fixture Plan Review

### System Development Charge Calculation Sheet Based on Fixture Unit Weight (FUW)

Appliances, Appurtenances or Fixtures	No Change to Existing Fixture	Existing Fixture Relocated or Replaced	Existing Fixture Removed Not Replaced	New Fixture Added Not a Replacement	FUW Count For Each Item	Total FUWs
Bathtub or combination bath/shower	X				2	
Bidet – 1 ¼”	X				1	
Bidet – 1 ½”	X				2	
Clothes washer, domestic, 2” standpipe	X				3	
Dental unit, cuspidor	X				1	
Dishwasher, domestic with independent drain	X			1	2	2
Drinking fountain or water cooler – Private/Public		1		X	0.5	
Drinking fountain or water cooler – Assembly	X				1	
Floor drain		2-4" trench drains=8 FUWs			2	8
Food waste grinder – commercial	X				3	
Lavatory, (bathroom sink)		2		2	1	-2
Lavatory, (bathroom sink) sets of 2 or 3	X				2	
Pedicure basin	X				1	
Shower, single head	X				2	
Shower, multi-head each additional	X				1	
Wash fountain, 1 ½”	X				2	
Wash fountain, 2”	X				3	
<b>SINKS</b>						
Bar sink - Private	X				1	
Bar sink – Public/Assembly	X				2	
Clinic, 3” Public/Assembly	X				6	
Commercial, 1 ½” with food waste	X				3	
Kitchen, domestic 1 ½” (with/without food waste grinder/dishwasher – Private/Public		1		X	2	
Laundry, 1 ½”	X				2	
Service sink /Mop basin, 2”/3”	X	1	X		3	
Service sink, flushing rim 3”	X				6	
Wash, each set of faucets – Public/Assembly	X				2	
<b>URINALS</b>						
Urinal, 2” integral trap 1.0 GPF – Private/Public	X		1		2	-2
Urinal, 2” integral trap 1.0 GPF – Assembly	X				5	
Urinal, 2” integral trap greater than 1.0 GPF – Private/Public	X				2	
Urinal, 2” integral trap greater than 1.0 GPF – Assembly	X				6	
Urinal, 1 ½” exposed trap – Private/Public	X				2	
Urinal, 1 ½” exposed trap – Assembly	X				5	
<b>WATER CLOSETS</b>						
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Private	X				3	
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Public		2		2	4	-8
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Assembly	X				6	
Water closet, <b>greater</b> than 1.6 GPF Gravity tank / flushometer valve – Private	X				4	
Water closet, <b>greater</b> than 1.6 GPF Gravity tank / flushometer valve – Public	X				6	
Water closet, <b>greater</b> than 1.6 GPF Gravity tank / flushometer valve – Assembly	X				8	
<b>TOTALS</b>						-2

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Contact Engineering Services for current System Development fee information

FORM PREPARED BY: Brian Middlebrook

DATE: 7/16/23

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