

# 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					4	
Bidet - Private					1	
Clothes washer					4	
Dental unit, cuspidor					1	
Dishwasher, domestic				1	1.5	1
Drinking fountain or water cooler - Private/Public				2	0.5	2
Drinking fountain or water cooler - Assembly					0.75	
Hose bib				1	2.5	2.5
Hose bib, each additional				8	1	8
Lavatory (bathroom sink)				10	1	10
Pedicure basin					1	
Shower, per head				2	2	2
<b>SINKS</b>						
Bar sink - Private				1	1	1
Bar sink - Public					2	
Clinic Faucet - Public					3	
Clinic flushometer valve with/without faucet - Public					8	
Kitchen, domestic				2	1.5	3
Laundry					1.5	
Service or mop basin - Private				4	1.5	6
Service or mop basin - Public					3	
Wash-up, each set of faucets - Public					2	
Wash fountain, circular spray - Public					4	
<b>URINALS</b>					2	
Urinal, 1.0 GPF Flushometer valve - Public				3	4	12
Urinal, 1.0 GPF Flushometer valve - Assembly					5	
Urinal, <b>greater</b> than 1.0 GPF Flushometer valve - Public					5	
Urinal, <b>greater</b> than 1.0 GPF Flushometer valve - Assembly					6	
Urinal, flush tank – Private or Public					2	
Urinal, flush tank - Assembly					3	
<b>WATER CLOSETS</b>						
Water closet, 1.6 GPF Gravity tank/Flushometer tank – Private/Public					2.5	
Water closet, 1.6 GPF Gravity tank/Flushometer tank – Assembly					3.5	
Water closet, 1.6 GPF Flushometer valve – Private/Public				10	2.5	25
Water closet, 1.6 GPF Flushometer valve – Assembly					3.5	
Water closet, <b>greater</b> than 1.6 GPF Gravity tank – Private					3	
Water closet, <b>greater</b> than 1.6 GPF Gravity tank – Public					5.5	
Water closet, <b>greater</b> than 1.6 GPF Gravity tank – Assembly					7	
Water closet, <b>greater</b> than 1.6 GPF - Flushometer valve - Private					7	
Water closet, <b>greater</b> than 1.6 GPF - Flushometer valve - Public					8	
Water closet, <b>greater</b> than 1.6 GPF - Flushometer valve - Assembly					10	
<b>TOTALS</b>				42		75

**Contact Engineering Services for current System Development fee information**

LL

FORM PREPARED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

TEL: \_\_\_\_\_

EMAIL: \_\_\_\_\_

# 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
Bath tub or combination bath/shower					2	
Bidet – 1 ¼”					1	
Bidet – 1 ½”					2	
Clothes washer, domestic, 2” standpipe					3	
Dental unit, cuspidor					1	
Dishwasher, domestic with independent drain				1	2	2
Drinking fountain or water cooler – Private/Public				2	0.5	1
Drinking fountain or water cooler – Assembly					1	
Floor drain				18	2	36
Food waste grinder – commercial					3	10
Lavatory, (bathroom sink)				2	1	2
Lavatory, (bathroom sink) sets of 2 or 3				4	2	8
Pedicure basin					1	
Shower, single head				2	2	1
Shower, multi-head each additional					1	
Wash fountain, 1 ½”					2	
Wash fountain, 2”					3	
<b>SINKS</b>						
Bar sink - Private				1	1	1
Bar sink – Public/Assembly					2	
Clinic, 3” Public/Assembly					6	
Commercial, 1 ½” with food waste					3	
Kitchen, domestic 1 ½” (with/without food waste grinder/dishwasher – Private/Public				1/2	2	4
Laundry, 1 ½”					2	
Service sink /Mop basin, 2”/3”				4	3	12
Service sink, flushing rim 3”					6	
Wash, each set of faucets – Public/Assembly					2	
<b>URINALS</b>						
Urinal, 2” integral trap 1.0 GPF – Private/Public				3	2	6
Urinal, 2” integral trap 1.0 GPF – Assembly					5	
Urinal, 2” integral trap greater than 1.0 GPF – Private/Public					2	
Urinal, 2” integral trap greater than 1.0 GPF – Assembly					6	
Urinal, 1 ½” exposed trap – Private/Public					2	
Urinal, 1 ½” exposed trap – Assembly					5	
<b>WATER CLOSETS</b>						
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Private					3	
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Public				10	4	40
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Assembly					6	
Water closet, <b>greater</b> than 1.6 GPF Gravity tank / flushometer valve – Private					4	
Water closet, <b>greater</b> than 1.6 GPF Gravity tank / flushometer valve – Public					6	
Water closet, <b>greater</b> than 1.6 GPF Gravity tank / flushometer valve – Assembly					8	
<b>TOTALS</b>				<b>46</b>		<b>123</b>

Contact Engineering Services for current System Development fee information

LL

FORM PREPARED BY: Michael Kelly - MacDonald Miller      DATE: 05-21-2024

TEL: 206-768-4224

EMAIL: Michael.Kelly@macmiller.com