



# 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 <i>City to complete</i>
Bathtub or combination bath/shower				56	4	224
Bidet - Private					1	
Clothes washer				42	4	168
Dental unit, cuspidor					1	
Dishwasher, domestic				42	1.5	63
Drinking fountain or water cooler - Private/Public					0.5	
Drinking fountain or water cooler - Assembly					0.75	
Hose bib				1	2.5	2.5
Hose bib, each additional				2	1	2
Lavatory (bathroom sink)				56	1	56
Pedicure basin					1	
Shower, per head					2	
<b>SINKS</b>						
Bar sink - Private					1	
Bar sink - Public					2	
Clinic Faucet - Public					3	
Clinic flushometer valve with/without faucet - Public					8	
Kitchen, domestic				42	1.5	63
Laundry					1.5	
Service or mop basin - Private					1.5	
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					4	
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				56	2.5	140
Water closet, 1.6 GPF Gravity tank/Flushometer tank – Assembly					3.5	
Water closet, 1.6 GPF Flushometer valve – Private/Public					2.5	
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>				297		719.5

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

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**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				56	2	112
Bidet – 1 ¼”					1	
Bidet – 1 ½”					2	
Clothes washer, domestic, 2” standpipe				42	3	126
Dental unit, cuspidor					1	
Dishwasher, domestic with independent drain					2	
Drinking fountain or water cooler – Private/Public					0.5	
Drinking fountain or water cooler – Assembly					1	
Floor drain				1	2	8
Food waste grinder – commercial					3	
Lavatory, (bathroom sink)					1	
Lavatory, (bathroom sink) sets of 2 or 3					2	
Pedicure basin					1	
Shower, single head					2	
Shower, multi-head each additional					1	
Wash fountain, 1 ½”					2	
Wash fountain, 2”					3	
<b>SINKS</b>						
Bar sink - Private					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				42	2	84
Laundry, 1 ½”					2	
Service sink /Mop basin, 2”/3”					3	
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					2	
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				56	3	168
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Public					4	
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>				197		498

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