

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				36	4	144
Bidet - Private					1	
Clothes washer				24	4	96
Dental unit, cuspidor					1	
Dishwasher, domestic				24	1.5	36
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				1	1	1
Lavatory (bathroom sink)				36	1	36
Pedicure basin					1	
Shower, per head					2	
SINKS						
Bar sink - Private					1	
Bar sink - Public					2	
Clinic Faucet - Public					3	
Clinic flushometer valve with/without faucet - Public					8	
Kitchen, domestic				24	1.5	36
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	
URINALS					2	
Urinal, 1.0 GPF Flushometer valve - Public					4	
Urinal, 1.0 GPF Flushometer valve - Assembly					5	
Urinal, greater than 1.0 GPF Flushometer valve - Public					5	
Urinal, greater than 1.0 GPF Flushometer valve - Assembly					6	
Urinal, flush tank – Private or Public					2	
Urinal, flush tank - Assembly					3	
WATER CLOSETS						
Water closet, 1.6 GPF Gravity tank/Flushometer tank – Private/Public				36	2.5	90
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, greater than 1.6 GPF Gravity tank – Private					3	
Water closet, greater than 1.6 GPF Gravity tank – Public					5.5	
Water closet, greater than 1.6 GPF Gravity tank – Assembly					7	
Water closet, greater than 1.6 GPF - Flushometer valve - Private					7	
Water closet, greater than 1.6 GPF - Flushometer valve - Public					8	
Water closet, greater than 1.6 GPF - Flushometer valve - Assembly					10	
TOTALS				182		411.5

Contact Engineering Services for current System Development fee information

FORM PREPARED BY: Jeff MacGillivray

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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
Bath tub or combination bath/shower				36	2	72
Bidet – 1 ¼”					1	
Bidet – 1 ½”					2	
Clothes washer, domestic, 2” standpipe				24	3	72
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	
SINKS						
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				24	2	48
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	
URINALS						
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	
WATER CLOSETS						
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Private				36	3	108
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, greater than 1.6 GPF Gravity tank / flushometer valve – Private					4	
Water closet, greater than 1.6 GPF Gravity tank / flushometer valve – Public					6	
Water closet, greater than 1.6 GPF Gravity tank / flushometer valve – Assembly					8	
TOTALS				121		308

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