



# Water Meter Sizing

To utilize the Meter Sizing Table, enter your total number of fixtures and multiply them by the 'residential' or 'commercial' column depending on what type of construction you are working on. Those columns are the water supply fixture values per each type of fixture. Enter the answer to that in the total section. Add up your total at the end for your total number of fixture units.

Once you have your total number of fixture units you can use that plus your pressure, plus your length of service to the most remote fixture to utilize table 610.4 in determining your minimum water meter size.

Example Fixture Unit Total:

TYPE OF FIXTURE	# FIXTURES	RESIDENTIAL	TOTAL	COMMERCIAL	TOTAL	
WASHUP EACH SET OF FAUCETS		-		2		
SHOWER, PER HEAD	1	2	2	2		
URINAL, 1.0 GPF FLUSHOMETER VALVE		-		-		See OPSC 610.10
URINAL, GREATER THAN 1.0 GPF FLUSHOMETER		-		-		See OPSC 610.10
URINALS, FLUSH TANK		2		2		
WASH FOUNTAIN, CIRCULAR SPRAY		-		4		
WATER CLOSET "Toilet", 1.6 GPF GRAVITY	2	2.5	5	2.5		
WATER CLOSET "Toilet", 1.6 GPF FLUSHOMETER TANK		2.5		2.5		
WATER CLOSET "Toilet", 1.6 GPF FLUSHOMETER VALVE		-		-		See OPSC 610.10
WATER CLOSET "Toilet", GRAVITY > 1.6GPF		3		5.5		
WATER CLOSET "Toilet", FLUSHOMETER > 1.6GPF		-		-		See OPSC 610.10
		RES.		COM.		
TOTAL NUMBER OF FIXTURE UNITS			7		0	
PSI. AVAILABLE PRESSURE AT MAIN			72psi			
LENGTH OF SERVICE TO MOST REMOTE FIXTURE			120 FT			

Example Using Table 610.4 in this scenario:

**TABLE 610.4  
FIXTURE UNIT TABLE FOR DETERMINING WATER PIPE AND METER SIZES**

METER AND STREET SERVICE (Inches)	BUILDING SUPPLY AND BRANCHES (Inches)	MAXIMUM ALLOWABLE LENGTH (feet)														
		40	60	80	100	150	200	250	300	400	500	600	700	800	900	1000
<b>PRESSURE RANGE - Over 60 psi<sup>1</sup></b>																
3/4	1/2	7	7	7	6	5	4	3	3	2	1	1	1	1	0	
3/4	3/4	20	20	20	20	17	13	11	10	8	7	6	6	5	4	4
1	1	39	39	39	39	35	30	27	24	21	17	14	13	12	12	11
3/4	1 1/4	39	39	39	39	39	39	39	39	34	28	26	25	23	22	21
1	1 1/4	78	78	78	78	74	62	53	47	39	31	26	25	23	22	21
1 1/2	1 1/4	78	78	78	78	78	74	65	54	43	34	26	25	23	22	21
1	1 1/2	85	85	85	85	85	85	85	85	81	64	51	48	46	43	40
1 1/2	1 1/2	151	151	151	151	151	151	130	113	88	73	51	51	46	43	40
2	1 1/2	151	151	151	151	151	151	142	122	98	82	64	51	46	43	40
1	2	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
1 1/2	2	370	370	370	370	360	335	305	282	244	212	187	172	153	141	129
2	2	370	370	370	370	370	370	370	340	288	245	204	172	153	141	129
2	2 1/2	654	654	654	654	654	650	610	570	510	460	430	404	380	356	329



**Water Meter Sizing**

TYPE OF FIXTURE	# FIXTURES	RESIDENTIAL	TOTAL	COMMERCIAL	TOTAL	
BATHTUBS or BATH/SHOWER COMBO		4		4		
BATHTUB WITH 3/4" VALVE		10		10		
BIDETS		1		-		
CLOTHES WASHERS		4		4		
DENTAL UNIT, CUSPADOR		-		1		
DISHWASHER, DOMESTIC		1.5		1.5		
DRINKING FOUNTAINS		1		2		
HOSE BIBBS (first hose bibb)		2.5		2.5		
HOSE BIBB (additional)		1		1		
LAVATORYS "Sink"		1		1		
LAWNSPRINKLERS		1		1		
MOBILE HOMES (EACH)		12		-		
SINKS						
BAR SINKS		1		2		
CLINICAL SINK		-		3		
CLINICAL FLUSHOMETER VALVE		-		8		
KITCHEN SINK		1.5		1.5		
LAUNDRY SINK		1.5		1.5		
SERVICE SINK OR MOP BASIN		1.5		3		
WASHUP EACH SET OF FAUCETS		-		2		
SHOWER, PER HEAD		2		2		
URINAL, 1.0 GPF FLUSHOMETER VALVE		-		-		See OPSC 610.10
URINAL, GREATER THAN 1.0 GPF FLUSHOMETER		-		-		See OPSC 610.10
URINALS, FLUSH TANK		2		2		
WASH FOUNTAIN, CIRCULAR SPRAY		-		4		
WATER CLOSET "Toilet", 1.6 GPF GRAVITY		2.5		2.5		
WATER CLOSET "Toilet", 1.6 GPF FLUSHOMETER TANK		2.5		2.5		
WATER CLOSET "Toilet", 1.6 GPF FLUSHOMETER VALVE		-		-		See OPSC 610.10
WATER CLOSET "Toilet", GRAVITY > 1.6GPF		3		5.5		
WATER CLOSET "Toilet", FLUSHOMETER > 1.6GPF		-		-		See OPSC 610.10
			RES.		COM.	
TOTAL NUMBER OF FIXTURE UNITS						
PSI. AVAILABLE PRESSURE AT MAIN						
LENGTH OF SERVICE TO MOST REMOTE FIXTURE						

See Table 610.4 on Page 3

SIZE OF WATER METER	
SIZE OF BUILDING SUPPLY LINE	





## Water Meter Sizing

Costs associated with Water meters will include the associated SDC's as well as the water meter install fee.

**System Development Fees:**

Effective July 1, 2024 [ENR CCI increase 3.17%]

Size of Meter	Meter Equivalency	Reimbursement	Improvement	Administrative	Total
<i>per factor of 1</i>	1.00	\$970	\$11,553	\$325	\$12,848
5/8"	1	\$970	\$11,553	\$325	\$12,848
3/4"	1.5	\$1,455	\$17,330	\$487	\$19,272
1"	2.5	\$2,425	\$28,883	\$812	\$32,120
1.5"	5	\$4,850	\$57,765	\$1,625	\$64,240
2"	8	\$7,760	\$92,424	\$2,600	\$102,784
3"	16	\$15,520	\$184,848	\$5,200	\$205,568
4"	25	\$24,250	\$288,825	\$8,125	\$321,200
6"	50	\$48,500	\$577,650	\$16,250	\$642,400
8"	80	\$77,600	\$924,240	\$26,000	\$1,027,840
10"	125	\$121,250	\$1,444,125	\$40,625	\$1,606,000

**Water Meter Install Fees:**

Water Meter Installation Services	Effective January 1, 2023		Effective January 1, 2024		Increased 5.00% Effective January 1, 2025	
	Dig-In Service	Drop-In Service	Dig-In Service	Drop-In Service	Dig-In Service	Drop-In Service
	5/8" x 3/4" meter	\$ 3,506	\$ 470	\$ 3,681	\$ 494	\$ 3,865
3/4" meter	3,592	555	3,772	583	3,961	612
1" meter	3,677	642	3,861	674	4,054	708
1" to 1-1/2" meter	6,157	984	6,465	1,033	6,788	1,085
2" meter	6,500	1,624	6,824	1,706	7,165	1,791

**South Fork Water Board Fees:**

Meter Size	Equivalent Meter Factor (EMF)	Water SDC Fee (eff. 1/1/22)	Water SDC Fee (eff. 1/1/23)	Water SDC Fee (eff. 1/1/24)
5/8" x 3/4"	1	\$ 2,654	\$ 2,932	\$ 2,944
3/4"	1.5	\$ 3,982	\$ 4,398	\$ 4,416
1"	2.5	\$ 6,636	\$ 7,331	\$ 7,359
1.5"	5	\$ 13,272	\$ 14,661	\$ 14,719
2"	8	\$ 21,235	\$ 23,458	\$ 23,550
3"	16	\$ 42,470	\$ 46,916	\$ 47,099
4"	25	\$ 66,359	\$ 73,307	\$ 73,593
6"	50	\$ 132,717	\$ 146,613	\$ 147,186
8"	80	\$ 212,348	\$ 234,581	\$ 235,497
10"	115	\$ 305,250	\$ 337,211	\$ 338,528