

22500 Salamo Rd, West Linn OR 97068; Phone: 503-742-6055 E-mail: cwlqp@westlinnoregon.gov Forms available at http://westlinnoregon.gov



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:

ilpie i ixture Offit 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", FLUSHOMENTER > 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	BUILDING SUPPLY						KAM	IMUM A	(feet)	BLE LEN	GTH					
SERVICE (inches)	BRANCHES (inches)	40	60	80	100	150	200	250	300	400	500	600	700	800	900	1000
					PRI	SSURE	RANGE	- Over	50 psi ¹							
3/4	1/42	7	7	7	6	5	4	3	3	2	1	1	1	1	1	0
3/4	3/4	20	20	20	20	17	13	11	10	8	7	6	6	5	4	4
3/4	1	39	39	39	39	35	30	27	24	21	17	14	13	12	12	11
1	1	39	39	39	39	38	32	29	26	22	18	14	13	12	12	11
3/4	11/4	39	39	39	39	39	39	39	39	34	28	26	25	23	22	21
1	11/4	78	78	78	78	74	62	53	47	39	31	26	25	23	22	21
1/4	11/4	78	78	78	78	78	74	65	54	43	34	26	25	23	22	21
1	155	85	85	85	85	85	85	85	85	81	64	51	48	46	43	40
11/4	11/2	151	151	151	151	151	151	130	113	88	73	51	51	46	43	40
2	11/6	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
11/2	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	21/5	654	654	654	654	654	650	610	570	510	460	430	404	380	356	329



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TYPE OF FIXTURE	# FIXTURES	RESIDENTIAL	TOTAL	COMMERCIAL	TOTAL	
BATHTUBS or BATH/SHOWER COMBO	I I I I I I I I I I I I I I I I I I I	4	101712	4	101712	
BATHTUB WITH 3/4" VALVE		10		10		
BIDETS		1		10		
CLOTHES WASHERS		4		4		
DENTAL UNIT, CUSPADOR				1		
DISHWASHER, DOMESTIC		1.5		1.5		
DRINKING FOUNTAINS		1		2		1
HOSE BIBBS (first hose bibb)		2.5		2.5		1
HOSE BIBB (additional)		1		1		
LAVATORYS "Sink"		1		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		1
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", FLUSHOMENTER > 1.6GPF		_		_		See OPSC 610.10
			RES.		COM.	
TOTAL NUMBER OF FIXTURE UNITS						1
PSI. AVAILABLE PRESSURE AT MAIN						1
LENGTH OF SERVICE TO MOST REMOTE FIXTURE						

See Table 610.4 on Page 3

SIZE OF WATER METER	
SIZE OF BUILDING SUPPLY LINE	



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

	BUILDING	I IA	XTURE UNIT TABLE FOR DETERMINING WATER PIPE AND METER SIZES MAXIMUM ALLOWABLE LENGTH (feet)													
METER AND STREET	SUPPLY								(feet)							
SERVICE (inches)		40	60	80	100	150	200	250	300	400	500	600	700	800	900	1000
					PRE	SSURE	RANGE	- 30 to 4	45 psi ¹							
3/4	1/22	6	5	4	3	2	1	1	1	0	0	0	0	0	0	0
3/4	3/4	16	16	14	12	9	6	5	5	4	4	3	2	2	2	1
3/4	1	29	25	23	21	17	15	13	12	10	8	6	6	6	6	6
1	1	36	31	27	25	20	17	15	13	12	10	8	6	6	6	6
3/4	11/4	36	33	31	28	24	23	21	19	17	16	13	12	12	11	11
1	11/4	54	47	42	38	32	28	25	23	19	17	14	12	12	11	11
11/2	11/4	78	68	57	48	38	32	28	25	21	18	15	12	12	11	11
1	11/2	85	84	79	65	56	48	43	38	32	28	26	22	21	20	20
11/2	11/2	150	124	105	91	70	57	49	45	36	31	26	23	21	20	20
2	11/2	151	129	129	110	80	64	53	46	38	32	27	23	21	20	20
1	2	85	85	85	85	85	85	82	80	66	61	57	52	49	46	43
11/2	2	220	205	190	176	155	138	127	120	104	85	70	61	57	54	51
2	2	370	327	292	265	217	185	164	147	124	96	70	61	57	54	51
2	21/2	445	418	390	370	330	300	280	265	240	220	198	175	158	143	133
					PRE	SSURE	RANGE	- 46 to 6	60 psi ¹							
3/4	1/22	7	7	6	5	4	3	2	2	1	1	1	0	0	0	0
3/4	3/4	20	20	19	17	14	11	9	8	6	5	4	4	3	3	3
3/4	1	39	39	36	33	28	23	21	19	17	14	12	10	9	8	8
1	1	39	39	39	36	30	25	23	20	18	15	12	10	9	8	8
3/4	11/4	39	39	39	39	39	39	34	32	27	25	22	19	19	17	16
1	11/4	78	78	76	67	52	44	39	36	30	27	24	20	19	17	16
11/2	11/4	78	78	78	78	66	52	44	39	33	29	24	20	19	17	16
1	11/2	85	85	85	85	85	85	80	67	55	49	41	37	34	32	30
11/2	11/2	151	151	151	151	128	105	90	78	62	52	42	38	35	32	30
2	11/2	151	151	151	151	150	117	98	84	67	55	42	38	35	32	30
1	2	85	85	85	85	85	85	85	85	85	85	85	85	85	83	80
11/2	2	370	370	340	318	272	240	220	198	170	150	135	123	110	102	94
2	2	370	370	370	370	368	318	280	250	205	165	142	123	110	102	94
2	21/2	654	640	610	580	535	500	470	440	400	365	335	315	285	267	250
					PRI	ESSURE	RANGE	- Over	60 psi ¹							
3/4	1/22	7	7	7	6	5	4	3	3	2	1	1	1	1	1	0
3/4	3/4	20	20	20	20	17	13	11	10	8	7	6	6	5	4	4
3/4	1	39	39	39	39	35	30	27	24	21	17	14	13	12	12	11
1	1	39	39	39	39	38	32	29	26	22	18	14	13	12	12	11
3/4	11/4	39	39	39	39	39	39	39	39	34	28	26	25	23	22	21
1	11/4	78	78	78	78	74	62	53	47	39	31	26	25	23	22	21
11/2	11/4	78	78	78	78	78	74	65	54	43	34	26	25	23	22	21
1	11/2	85	85	85	85	85	85	85	85	81	64	51	48	46	43	40
11/2	11/2	151	151	151	151	151	151	130	113	88	73	51	51	46	43	40
2	11/2	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
11/2	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	21/2	654	654	654	654	654	650	610	570	510	460	430	404	380	356	329



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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	
per factor o	of 1 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 \$642,400	
6"	50	\$48,500	\$577,650	\$16,250		
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:

									Increased 5.00%					
		Effective				Effective					Effective			
		January 1, 2023				Janua			Januar	y 1,	2025			
Water Meter		Dig-In		Drop-In		Dig-In	Dig-In Drop-In			Dig-In		Drop-In		
Installation Services	S	Service		ervice		Service		Service		Service		Service		
5/8"x 3/4" meter	\$	3,506	\$	470		\$ 3,681	\$	494		\$	3,865	\$	519	
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 ff. 1/1/22)	Water SDC Fee ff. 1/1/23)	SI	Water DC Fee . 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	\$1	47,186
8"	80	\$ 212,348	\$ 234,581	\$2	35,497
10"	115	\$ 305,250	\$ 337,211	\$3	38,528