

SINGLE RESIDENTIAL LOT WITHOUT RESIDENTIAL FIRE SPRINKLERS - DOMESTIC WATER METERS

Minimum Lateral Size ⁽¹⁾	Meter Type	Meter Size	Maximum Continuous Capacity (GPM)	Equivalent Meter Size (EMS) Factor ⁽²⁾⁽³⁾	Water Financial Participation Charges	Standard Drop-In Meter Installation Charges	Standard Full Service Meter Installation	Water Supply Development Fee	Backflow Sizing (RP) ⁽⁴⁾
1"	Master Meter Multi-Jet	5/8"	15	1.00	\$5,367.00	\$285.00	\$3,550.00	\$300.00	3/4"
1"	Master Meter Multi-Jet	3/4"	20	1.33	\$7,138.11	\$285.00	\$3,550.00	\$300.00	3/4"
1"	Master Meter Multi-Jet	1"	30	2.00	\$10,734.00	\$377.00	\$4,430.00	\$300.00	1"

Notes:

- 1) The project proponent is responsible to determine lateral size required by calculating the minimum and maximum service pressures at the on-site point(s) of service commencing from the point of connection(s) in EMWD's main pipeline(s), including lateral(s), meter(s), and all post meter/appurtenances (e.g. backflow protection device), taking into consideration resulting head losses (from pipe diameter/length/material), pad elevations, and building height, such that the pressure delivered to each floor level is adequate to meet service and any jurisdictional agency requirements.
- 2) An EMS factor of 1 is based on a hydraulic capacity of 15 gallons/minute maximum continuous flow.
- 3) Water Financial Participation Charges (WFPC's) (also known as Water Connection Fees) are calculated at the current in effect WFPC rate multiplied by the meter EMS Factor. Current in effect FPC (based on general rate, surcharges for special condition area may impact this amount, subject to change upon Board Approval):
- 4) Backflows 1.5" or smaller can be upsized up to 1/2" larger. 2" or larger backflows have to be reviewed to size larger by NBD Plan Checker.

**SINGLE RESIDENTIAL LOT WITH RESIDENTIAL FIRE SPRINKLERS - DOMESTIC WATER METERS
(REQUIRES SUBMITTAL OF APPROVED FIRE SPRINKLER PLANS)**

Minimum Lateral Size ⁽¹⁾	Meter Type	Meter Size	Maximum Continuous Capacity (GPM) ^(2.a.)	Equivalent Meter Size (EMS) Factor ^{(2.b.)(3)}	Water Financial Participation Charges	Standard Drop-In Meter Installation Charges	Standard Full Service Meter Installation	Water Supply Development Fee	Backflow Sizing (RP) ⁽⁴⁾
1"	Master Meter Multi-Jet	1"	30	1.00	\$5,367.00	\$377.00	\$4,430.00	\$300.00	1"

Notes:

- 1) The project proponent is responsible to determine lateral size required by calculating the minimum and maximum service pressures at the on-site point(s) of service commencing from the point of connection(s) in EMWD's main pipeline(s), including lateral(s), meter(s), and all post meter/appurtenances (e.g. backflow protection device), taking into consideration resulting head losses (from pipe diameter/length/material), pad elevations, and building height, such that the pressure delivered to each floor level is adequate to meet service and any jurisdictional agency requirements.
- 2.a.) & 2.b.) (2)(a) 30gpm Max. Cont. Flow. Intermittent flow of 50 gpm to be utilized for flow calcs to meet Residential Fire Sprinkler requirements as conditioned by Jurisdictional Fire Agency. (b)An EMS factor of 1 is based on a hydraulic capacity of 15 gallons/minute maximum continuous flow. Residential Single Lot Use Type is not charged for the additional 15 gpm as 1" meters are supplied due to increased intermittent flow to meet fire flow for Residential Fire Sprinklers water supplied through a single meter by fire flow.
- 3) Water Financial Participation Charges (WFPC's) (also known as Water Connection Fees) are calculated at the current in effect WFPC rate multiplied by the meter EMS Factor. Current in effect FPC (based on general rate, surcharges for special condition area may impact this amount, subject to change upon Board Approval):
- 4) Backflows 1.5" or smaller can be upsized up to 1/2" larger. 2" or larger backflows have to be reviewed to size larger by NBD Plan Checker.

COMMERCIAL/INDUSTRIAL/MULTI-RESIDENTIAL DOMESTIC USE METERS

Minimum Lateral Size ⁽¹⁾	Meter Type	Meter Size	Maximum Continuous Capacity (GPM)	Equivalent Meter Size (EMS) Factor ⁽²⁾⁽³⁾	Water Financial Participation Charges	Standard* Drop-In Meter Installation Charges	Standard* Full Service Meter Installation ⁽⁴⁾	Backflow Sizing (RP) ⁽⁵⁾	No. Of Dials
1"	Master Meter Multi-Jet	5/8"	15	1.00	\$5,367.00	\$285.00	\$3,550.00	3/4"	5
1"	Master Meter Multi-Jet	3/4"	20	1.33	\$7,138.11	\$285.00	\$3,550.00	3/4"	5
1.5"	Master Meter Multi-Jet	1"	30	2.00	\$10,734.00	\$377.00	\$4,430.00	1"	5
2"	Master Meter Multi-Jet	1.5"	75	5.00	\$26,835.00	\$487.00	\$4,890.00	1.5"	5
4"	Master Meter Multi-Jet	2"	120	8.00	\$42,936.00	\$599.00	\$5,560.00	2"	5
4"	Sensus OMNI C2	2"	160	10.67	\$57,265.89	\$1,322.00	\$5,560.00	2.5"	5
4"	Sensus OMNI R2/T2	2"	200	13.33	\$71,542.11	\$1,322.00	\$5,560.00	3"	5
4"	Sensus OMNI C2	3"	400	26.67	\$143,137.89	Meters larger than 2" are to be supplied by Developer/Contractor as per EMWD approved materials list.		4"	5
4"	Sensus OMNI T2	3"	500	33.33	\$178,882.11		4"	5	
6"	Sensus OMNI C2	4"	800	53.33	\$286,222.11		6"	6	
6"	Sensus OMNI T2	4"	1000	66.67	\$357,817.89		6"	6	
8"	Sensus OMNI C2	6"	1600	106.67	\$572,497.89		8"	6	
12"	Sensus OMNI T2	6"	2000	133.33	\$715,582.11		10"	6	

Notes:

- 1) EMWD minimum lateral size requirements. The project proponent is responsible to determine if a larger lateral size is required by calculating the minimum and maximum service pressures at the on-site point(s) of service, commencing from the point of connection(s) in EMWD's main pipeline(s), including lateral(s), meter(s), and all post meter/appurtenances (e.g. backflow protection device), taking into consideration resulting head losses (from pipe diameter/length/material), pad elevations, and building height, such that the pressure delivered to each floor level is adequate to meet service and any jurisdictional agency requirements.
- 2) An EMS factor of 1 is based on a hydraulic capacity of 15 gallons/minute maximum continuous flow.
- 3) Water Financial Participation Charges (WFPC's) (also known as Water Connection Fees) are calculated at the current in effect WFPC rate multiplied by the meter EMS Factor. Current in effect FPC (based on general rate, surcharges for special condition area may impact this amount, subject to change upon Board Approval): \$5,367.00/EMS
- 4) For Commercial/Industrial/Institutional Projects, EMWD construction Dept. must review to determine if installation can be done by EMWD. Services for these types of projects, EMWD will typically only hot tap and the services are constructed by the Developer/Contractor as per EMWD standards & approved materials.
- 5) Backflows 1.5" or smaller can be upsized up to 1/2" larger. 2" or larger backflows have to be reviewed to size larger by NBD Plan Checker.

LANDSCAPE METERS

Minimum Lateral Size ⁽¹⁾	Meter Type	Meter Size	Maximum Continuous Capacity (GPM)	Equivalent Meter Size (EMS) Factor ⁽²⁾⁽³⁾	Connection Fee	Standard Drop-In Meter Installation Charges	Standard Full Service Meter Installation ⁽⁴⁾	Backflow Sizing (RP) ⁽⁵⁾	No. Of Dials
1"	Master Meter Multi-Jet	5/8"	15	1.00	\$4,872.00	\$285.00	\$3,550.00	3/4"	5
1"	Master Meter Multi-Jet	3/4"	20	1.33	\$6,479.76	\$285.00	\$3,550.00	3/4"	5
1.5"	Master Meter Multi-Jet	1"	30	2.00	\$9,744.00	\$377.00	\$4,430.00	1"	5
2"	Master Meter Multi-Jet	1.5"	75	5.00	\$24,360.00	\$487.00	\$4,890.00	1.5"	5
4"	Master Meter Multi-Jet	2"	120	8.00	\$38,976.00	\$599.00	\$5,560.00	2"	5
4"	Sensus OMNI C2	2"	160	10.67	\$51,984.24	\$1,322.00	\$5,560.00	2.5"	5
4"	Sensus OMNI R2/T2	2"	200	13.33	\$64,943.76	\$1,322.00	\$5,560.00	3"	5
4"	Sensus OMNI C2	3"	400	26.67	\$129,936.24	Meters larger than 2" are to be supplied by Developer/Contractor as per EMWD approved materials list.		4"	5
4"	Sensus OMNI T2	3"	500	33.33	\$162,383.76			4"	5
6"	Sensus OMNI C2	4"	800	53.33	\$259,823.76			6"	6
6"	Sensus OMNI T2	4"	1000	66.67	\$324,816.24			6"	6
8"	Sensus OMNI C2	6"	1600	106.67	\$519,696.24			8"	6
12"	Sensus OMNI T2	6"	2000	133.33	\$649,583.76			10"	6

Notes:

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