

Front Footage Charge

11.0. Front Footage Charge: The front footage charge is a contribution toward the construction cost of existing or proposed water mains necessary to meet the service needs of new customers. The front footage charge shall be based on all properties that abut water mains funded partially or completely by the District, or subject to a reimbursement agreement. The front footage charge shall be calculated on, but not limited to, the installation of 8-inch ductile iron water main; fire hydrants; related materials; permits; equipment; labor; and engineering.

11.1. Customer Classifications:

11.1.1. Residential (Single-Family/Duplex): A building intended to serve as a one or two family dwelling, with a District required minimum fire hydrant spacing of 600-feet.

11.1.2. Nonresidential (Multi-Family/Commercial): Any building other than a one or two family dwelling, with a District required minimum fire hydrant spacing of 300-feet.

11.1.3. Irrigation: Lawn or agricultural irrigation purposes only.

11.1.4. Wholesale: Intertie with another water purveyor with the intent of supplying, or having the capabilities to supply, domestic water service and/or fire protection, with a District required minimum fire hydrant spacing of 600-feet if the water purveyor supplies residential/irrigation customers and 300-feet if nonresidential customers receive service.

11.2. Cost Components:

11.2.1. Residential: The front footage charge shall be based upon each foot of the property which abuts an existing water main or where a proposed water main is to be installed, or the minimum front footage charge, whichever is greater. Provided, however in the instance of a corner lot, the front footage charge shall be computed on half of the total front footage, or the minimum front footage charge, whichever is greater.

Front Footage Charge - Residential			
Classification	2009 Charge	2010 Charge	Adjustment
Residential - per foot	\$35.71	\$35.92	0.59%
Residential - minimum	\$3,571.00	\$3,592.00	0.59%

11.2.2. Nonresidential: The front footage charge shall be based upon each foot of the property which abuts an existing water main or where a proposed water main is to be installed, or the minimum front footage charge, whichever is greater.

Front Footage Charge - Nonresidential			
Classification	2009 Charge	2010 Charge	Adjustment
Nonresidential - per foot	\$40.98	\$41.41	1.05%
Nonresidential - minimum	\$4,098.00	\$4,141.00	1.05%

11.2.3. Irrigation: The front footage charge shall be based upon each foot of the property which abuts an existing water main or where a proposed water main is to be installed, or the minimum front footage charge, whichever is greater.

Front Footage Charge - Irrigation			
Classification	2009 Charge	2010 Charge	Adjustment
Irrigation - per foot	\$30.44	\$30.43	-0.03%
Irrigation - minimum	\$3,044.00	\$3,043.00	-0.03%

11.2.4. Wholesale: The front footage charge shall be based upon each foot of the water purveyor's boundaries which abuts an existing water main or where a proposed water main is to be installed, and classification of customers served, or the minimum front footage charge, whichever is greater.

Footage Charge - Wholesale			
Classification	2009 Charge	2010 Charge	Adjustment
Wholesale - per foot	<i>classification</i>	<i>classification</i>	0.00%
Wholesale - minimum	<i>classification</i>	<i>classification</i>	0.00%

11.3. Change of Use: In the event the property owner creates or requests a change of use to their property, that property owner shall pay the front footage charge for the new requirements, less the front footage charge for the previous requirements.

11.4. Large Parcels - Residential: For properties greater than 1-acre in size, the property owner may not wish to serve all parts of their property abutting an existing water main or where a proposed water main is to be installed. The property owner may elect to pay the front footage charge on that portion of their property which is to be served. The front footage charge shall be calculated on the properties actual frontage receiving service begin at a property corner; may not be greater than 75-percent of the properties actual frontage; and a minimum of 200-feet of frontage. The property owner shall provide the District with a legal description of the property to be served. When service is extended beyond the property described in the legal description, an additional front footage charge shall be due at the rate then in effect.

11.5. Cost Allocation: The District has established a system for the front footage charge, which appropriately assigns costs to the customers who benefit from or cause those costs to be incurred. Cost allocations will be accomplished by determining the customer classification and the minimum fire hydrant spacing requirements.

Front Footage Charge - Residential			
Description	Total Cost	Cost/Foot	Charge
8-inch Water Main (600-ft.)	\$36,516.00	\$60.86	\$30.43
(1) Fire Hydrant (600-ft. spacing)	\$6,585.96	\$10.98	\$5.49
Total	\$43,101.96	\$71.84	\$35.92

Front Footage Charge - Nonresidential			
Description	Total Cost	Cost/Foot	Charge
8-inch Water Main (600-ft.)	\$36,516.00	\$60.86	\$30.43
(2) Fire Hydrant (600-ft. spacing)	\$13,171.92	\$21.95	\$10.98
Total	\$49,687.92	\$82.81	\$41.41

Front Footage Charge - Irrigation			
Description	Total Cost	Cost/Foot	Charge
8-inch Water Main (600-ft.)	\$36,516.00	\$60.86	\$30.43
Total	\$36,516.00	\$60.86	\$30.43

11.6. Installation Cost Estimates:

11.6.1.

Installation Cost Summary			
Description	2009 Estimate	2010 Estimate	Adjustment
Fire Hydrant	\$6,323.70	\$6,585.96	4.15%
Blow-Off Assembly	\$3,037.16	\$2,986.11	-1.68%
Air Vacuum Valve Assembly	\$3,657.57	\$3,890.92	6.38%
2-inch Poly Water Line	\$31.20	\$30.84	-1.15%
4-inch Ductile Iron Water Main	\$53.52	\$53.37	-0.28%
6-inch Ductile Iron Water Main	\$52.69	\$52.65	-0.08%
8-inch Ductile Iron Water Main	\$60.88	\$60.86	-0.03%
10-inch Ductile Iron Water Main	\$77.02	\$76.89	-0.17%
12-inch Ductile Iron Water Main	\$88.44	\$87.15	-1.46%
14-inch Ductile Iron Water Main	\$102.35	\$100.87	-1.45%
16-inch Ductile Iron Water Main	\$115.26	\$113.29	-1.71%

11.6.2.

Fire Hydrant			
Description	Quantity	Unit Cost	Total
Fire Hydrant w/Storz Adapter	1	\$1,767.47	\$1,767.47
6" Gate Valve, MJ x F R/S	1	\$479.61	\$479.61
6" DI Pipe	18	\$15.19	\$273.42
3/4" Galv. All Thread	40	\$4.88	\$195.20
8" x 6" Tapping Sleeve	1	\$659.08	\$659.08
14 Gauge Tracing Wire	25	\$0.11	\$2.75
Valve Box Assembly	1	\$68.64	\$68.64
Material Total			\$3,446.17
Sales Tax		8.60%	\$296.37
Permits	1	\$250.00	\$250.00
Equipment	1	\$400.00	\$400.00
Labor	30	\$30.00	\$900.00
Engineering	4	\$32.00	\$128.00
Subtotal			\$5,420.54
Overhead & Contingencies		20.00%	\$1,084.11
Service Tax		1.50%	\$81.31
Total			\$6,585.96

11.6.3.

Blow-Off Assembly			
Description	Quantity	Unit Cost	Total
8" MJ Cap, Tap 2" IP	1	\$61.47	\$61.47
2" x 12" Galv. Nipple	1	\$11.27	\$11.27
2" x 6" Galv. Nipple	1	\$5.22	\$5.22
2" Gate Valve, IP R/S	1	\$191.44	\$191.44
2" Galv. Ell, 90	1	\$6.93	\$6.93
2" Galv. Street Ell, 90	1	\$9.23	\$9.23
2" Galv. Pipe	3	\$5.53	\$16.59
2" Galv. Coupling	1	\$5.59	\$5.59
2" PVC Plug	1	\$3.82	\$3.82
Traffic Meter Box	1	\$0.79	\$0.79
14 Gauge Tracing Wire	10	\$0.11	\$1.10
Valve Box Assembly	1	\$68.64	\$68.64
Tieback Blocking	1	\$625.00	\$625.00
Material Total			\$1,007.09
Sales Tax		8.60%	\$86.61
Permits		\$250.00	\$0.00
Equipment	1	\$400.00	\$400.00
Labor	30	\$30.00	\$900.00
Engineering	2	\$32.00	\$64.00
Subtotal			\$2,457.70
Overhead & Contingencies		20.00%	\$491.54
Service Tax		1.50%	\$36.87
Total			\$2,986.11

11.6.4.

Air Vacuum Valve Assembly			
Description	Quantity	Unit Cost	Total
8x2" IP Saddle, Romac 202S	1	\$67.72	\$67.72
2" Ball Corp	1	\$115.21	\$115.21
2" Galv. Street Ell, 90	6	\$9.23	\$55.38
2" Galv. Pipe	5	\$5.53	\$27.65
2" Gate Valve, IP R/S	1	\$191.44	\$191.44
2" x 6" Galv. Nipple	1	\$5.22	\$5.22
2" x 2" Galv. Nipple	1	\$2.18	\$2.18
2" x 24" Galv. Nipple	1	\$11.06	\$11.06
2" x 18" Galv. Nipple	1	\$8.30	\$8.30
2" x 42" Galv. Nipple	1	\$19.36	\$19.36
2" Galv. Tee	1	\$9.98	\$9.98
2" AirVac	1	\$564.08	\$564.08
2" Galv. Union	1	\$14.27	\$14.27
2" Galv. Ell, 180	1	\$58.20	\$58.20
2" Brass Beehive Strainer	1	\$51.11	\$51.11
2" Concrete Meter Box	2	\$292.07	\$584.14
14 Gauge Tracing Wire	10	\$0.11	\$1.10
Valve Box Assembly	1	\$68.64	\$68.64
2" Galv. Cap	1	\$3.53	\$3.53
Material Total			\$1,858.57
Sales Tax		8.60%	\$159.84
Permits		\$250.00	\$0.00
Equipment	1	\$400.00	\$400.00
Labor	24	\$30.00	\$720.00
Engineering	2	\$32.00	\$64.00
Subtotal			\$3,202.41
Overhead & Contingencies		20.00%	\$640.48
Service Tax		1.50%	\$48.04
Total			\$3,890.92

11.6.5.

2-inch Water Main			
Description	Quantity	Unit Cost	Total
2" CTS Poly, 200 PSI	600	\$1.89	\$1,134.00
2" Double Union, CP	5	\$55.50	\$277.50
2" x 1" Brass Tee	5	\$21.89	\$109.45
1" Corp Stop, IP x FR	5	\$26.87	\$134.35
2" Adapter, MIP x CP	10	\$36.40	\$364.00
2" Gate Valve, IP R/S	1	\$191.44	\$191.44
14 Gauge Tracing Wire	610	\$0.11	\$67.10
Valve Box Assembly	1	\$68.64	\$68.64
S/S Inserts	20	\$1.50	\$30.00
Material Total			\$2,376.48
Sales Tax		8.60%	\$204.38
Permits	1	\$500.00	\$500.00
Equipment	6	\$500.00	\$3,000.00
Labor	600	\$11.00	\$6,600.00
Engineering	600	\$4.25	\$2,550.00
Subtotal			\$15,230.86
Overhead & Contingencies		20.00%	\$3,046.17
Service Tax		1.50%	\$228.46
Total			\$18,505.49
Cost Per Foot			\$30.84

11.6.6.

4-inch Water Main			
Description	Quantity	Unit Cost	Total
4" DI Pipe, CL 52	600	\$16.03	\$9,618.00
4" Gate Valve, MJ x F R/S	1	\$358.90	\$358.90
4" DI Bend, 90	1	\$45.47	\$45.47
4" Solid Sleeve	1	\$41.68	\$41.68
4" MJ Cap, Tap 2" IP	1	\$34.11	\$34.11
14 Gauge Tracing Wire	610	\$0.11	\$67.10
Valve Box Assembly	1	\$68.64	\$68.64
Concrete Blocking	1	\$175.00	\$175.00
Material Total			\$10,408.90
Sales Tax		8.60%	\$895.17
Permits	1	\$500.00	\$500.00
Equipment	6	\$500.00	\$3,000.00
Labor	600	\$15.00	\$9,000.00
Engineering	600	\$4.25	\$2,550.00
Subtotal			\$26,354.07
Overhead & Contingencies		20.00%	\$5,270.81
Service Tax		1.50%	\$395.31
Total			\$32,020.19
Cost Per Foot			\$53.37

11.6.7.

6-inch Water Main			
Description	Quantity	Unit Cost	Total
6" DI Pipe, CL 50	600	\$15.19	\$9,114.00
6" Gate Valve, MJ x F R/S	1	\$479.61	\$479.61
6" DI Bend, 90	1	\$71.58	\$71.58
6" Solid Sleeve	1	\$62.74	\$62.74
6" MJ Cap, Tap 2" IP	1	\$45.47	\$45.47
14 Gauge Tracing Wire	610	\$0.11	\$67.10
Valve Box Assembly	1	\$68.64	\$68.64
Concrete Blocking	1	\$175.00	\$175.00
Material Total			\$10,084.14
Sales Tax		8.60%	\$867.24
Permits	1	\$500.00	\$500.00
Equipment	6	\$500.00	\$3,000.00
Labor	600	\$15.00	\$9,000.00
Engineering	600	\$4.25	\$2,550.00
Subtotal			\$26,001.38
Overhead & Contingencies		20.00%	\$5,200.28
Service Tax		1.50%	\$390.02
Total			\$31,591.67
Cost Per Foot			\$52.65

11.6.8.

8-inch Water Main			
Description	Quantity	Unit Cost	Total
8" DI Pipe, CL 50	600	\$20.84	\$12,504.00
8" Gate Valve, MJ x F R/S	1	\$749.27	\$749.27
8" DI Bend, 90	1	\$105.68	\$105.68
8" Solid Sleeve	1	\$82.53	\$82.53
8" MJ Cap, Tap 2" IP	1	\$61.47	\$61.47
14 Gauge Tracing Wire	610	\$0.11	\$67.10
Valve Box Assembly	1	\$68.84	\$68.84
Concrete Blocking	1	\$175.00	\$175.00
Material Total			\$13,813.89
Sales Tax		8.60%	\$1,187.99
Permits	1	\$500.00	\$500.00
Equipment	6	\$500.00	\$3,000.00
Labor	600	\$15.00	\$9,000.00
Engineering	600	\$4.25	\$2,550.00
Subtotal			\$30,051.88
Overhead & Contingencies		20.00%	\$6,010.38
Service Tax		1.50%	\$450.78
Total			\$36,513.04
Cost Per Foot			\$60.86

11.6.9.

10-inch Water Main			
Description	Quantity	Unit Cost	Total
10" DI Pipe, CL 50	600	\$27.56	\$16,536.00
10" Gate Valve, MJ x F R/S	1	\$1,230.16	\$1,230.16
10" DI Bend, 90	1	\$162.95	\$162.95
10" Solid Sleeve	1	\$123.37	\$123.37
10" MJ Cap, Tap 2" IP	1	\$82.95	\$82.95
14 Gauge Tracing Wire	610	\$0.11	\$67.10
Valve Box Assembly	1	\$68.64	\$68.64
Concrete Blocking	2	\$175.00	\$350.00
Material Total			\$18,621.17
Sales Tax		8.60%	\$1,601.42
Permits	1	\$500.00	\$500.00
Equipment	6	\$750.00	\$4,500.00
Labor	600	\$17.00	\$10,200.00
Engineering	600	\$4.25	\$2,550.00
Subtotal			\$37,972.59
Overhead & Contingencies		20.00%	\$7,594.52
Service Tax		1.50%	\$569.59
Total			\$46,136.70
Cost Per Foot			\$76.89

11.6.10.

12-inch Water Main			
Description	Quantity	Unit Cost	Total
12" DI Pipe, CL 50	600	\$35.13	\$21,078.00
12" Butterfly Valve, MJ x F R/S	1	\$1,237.07	\$1,237.07
12" DI Bend, 90	1	\$216.42	\$216.42
12" Solid Sleeve	1	\$164.63	\$164.63
12" MJ Cap, Tap 2" IP	1	\$101.05	\$101.05
14 Gauge Tracing Wire	610	\$0.11	\$67.10
Valve Box Assembly	1	\$68.64	\$68.64
Concrete Blocking	2	\$175.00	\$350.00
Material Total			\$23,282.91
Sales Tax		8.60%	\$2,002.33
Permits	1	\$500.00	\$500.00
Equipment	6	\$750.00	\$4,500.00
Labor	600	\$17.00	\$10,200.00
Engineering	600	\$4.25	\$2,550.00
Subtotal			\$43,035.24
Overhead & Contingencies		20.00%	\$8,607.05
Service Tax		1.50%	\$645.53
Total			\$52,287.82
Cost Per Foot			\$87.15

11.6.11.

14-inch Water Main			
Description	Quantity	Unit Cost	Total
14" DI Pipe, CL 50	600	\$43.92	\$26,352.00
14" Butterfly Valve, MJ x F R/S	1	\$2,036.36	\$2,036.36
14" DI Bend, 90	1	\$382.74	\$382.74
14" Solid Sleeve	1	\$263.58	\$263.58
14" MJ Cap, Tap 2" IP	1	\$2.21	\$2.21
14 Gauge Tracing Wire	610	\$0.11	\$67.10
Valve Box Assembly	1	\$68.64	\$68.64
Concrete Blocking	2	\$175.00	\$350.00
Material Total			\$29,522.63
Sales Tax		8.60%	\$2,538.95
Permits	1	\$500.00	\$500.00
Equipment	6	\$750.00	\$4,500.00
Labor	600	\$17.00	\$10,200.00
Engineering	600	\$4.25	\$2,550.00
Subtotal			\$49,811.58
Overhead & Contingencies		20.00%	\$9,962.32
Service Tax		1.50%	\$747.17
Total			\$60,521.07
Cost Per Foot			\$100.87

11.6.12.

16-inch Water Main			
Description	Quantity	Unit Cost	Total
16" DI Pipe, CL 50	600	\$51.67	\$31,002.00
16" Butterfly Valve, MJ x F R/S	1	\$2,421.31	\$2,421.31
16" DI Bend, 90	1	\$710.32	\$710.32
16" Solid Sleeve	1	\$333.47	\$333.47
16" MJ Cap, Tap 2" IP	1	\$219.37	\$219.37
14 Gauge Tracing Wire	610	\$0.11	\$67.10
Valve Box Assembly	1	\$68.64	\$68.64
Concrete Blocking	2	\$175.00	\$350.00
Material Total			\$35,172.21
Sales Tax		8.60%	\$3,024.81
Permits	1	\$500.00	\$500.00
Equipment	6	\$750.00	\$4,500.00
Labor	600	\$17.00	\$10,200.00
Engineering	600	\$4.25	\$2,550.00
Subtotal			\$55,947.02
Overhead & Contingencies		20.00%	\$11,189.40
Service Tax		1.50%	\$839.21
Total			\$67,975.63
Cost Per Foot			\$113.29