

**AVERAGE METER CONNECTION EXPENSE
COST JUSTIFICATION**

Name of Utility WEBSTER COUNTY WATER DISTRICT

The following is an itemization of expenses for providing a metered service connection.

A. Meter Size

5/8-Inch 3/4-Inch 1-Inch 1 1/2 -Inch 2-Inch

Other (specify)  5/8" X 3/4"

B. Materials Expense

	<u>Unit Quantity</u>	<u>Cost</u>	<u>Total Cost</u>
1. Water Meter	<u>1</u>	<u>\$282.13</u>	<u>\$282.13</u>
2. Meter Yoke	<u>1</u>	<u>\$247.52</u>	<u>\$247.52</u>
3. Corporation Stop	<u>1</u>	<u>\$59.40</u>	<u>\$59.40</u>
4. Meter Box and Top	<u>1</u>	<u>\$60.29</u>	<u>\$60.29</u>
5. Miscellaneous Fittings	<u>1</u>	<u>\$20.67</u>	<u>\$20.67</u>
(3/4" x 12" Brass Nipple)			
6. Other (Itemize)			
<u>Saddle</u>	<u>1</u>	<u>\$97.27</u>	<u>\$97.27</u>
<u>3/4" Stainless Steel Inserts</u>	<u>2</u>	<u>\$2.17</u>	<u>\$4.34</u>
<u>Meter Gaskets</u>	<u>2</u>	<u>\$0.35</u>	<u>\$0.70</u>
TOTAL MATERIALS EXPENSE			<u>\$ 772.32</u>
(add total cost)			

C. Service Pipe Expense

Type of Service Pipe CTS Polyethylene Size of Service Pipe 3/4"

	<u>Unit Quantity</u>	<u>Cost</u>	<u>Total Cost</u>
1. Short Side Service	<u>20ft</u>	<u>\$0.39/ft</u>	<u>\$7.80</u>
2. Long Side Service	<u>60ft</u>	<u>\$0.39/ft</u>	<u>\$23.40</u>
AVERAGE SERVICE PIPE EXPENSE (add total cost and divide by 2)			<u>\$ 15.60</u>

D. Installation Labor Expense

	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total Cost</u>
1. Short Side Service	<u>2</u>	<u>\$19.10</u>	<u>\$38.20</u>
2. Long Side Service	<u>7</u>	<u>\$19.10</u>	<u>\$133.70</u>
AVERAGE INSTALLATION LABOR EXPENSE (add total cost and divide by 2)			<u>\$ 85.95</u>

E. Installation Equipment Expense

	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total Cost</u>
1. Short Side Service	<u>1</u>	<u>\$60.00</u>	<u>\$60.00</u>
2. Long Side Service	<u>3</u>	<u>\$60.00</u>	<u>\$180.00</u>
AVERAGE INSTALLATION EQUIPMENT EXPENSE (add total cost and divide by 2)			<u>\$ 120.00</u>

F. Installation Miscellaneous Expense

	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total Cost</u>
1. Inspection	<u>.5</u>	<u>\$19.10</u>	<u>\$9.55</u>
2. Site Clean-Up	<u>.5</u>	<u>\$19.10</u>	<u>\$9.55</u>
3. Other			
<u>Trip Charges</u>	<u>3</u>	<u>\$20.00</u>	<u>\$60.00</u>
<u>Seed & Straw Materials</u>		<u>\$5.00</u>	<u>\$5.00</u>
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AVERAGE INSTALLATION MISCELLANEOUS EXPENSE (add total cost)			<u>\$ 84.10</u>
G. <u>Overhead Expense</u>			
1. Installation expense (\$_____) times overhead rate (____%)			\$ _____
H. <u>Administrative Expense</u>			
1. Office expense for establishing a new account and billing record.			<u>\$ 35.90</u>
I. <u>Total Expenses</u>			
Materials Expense			<u>\$ 772.32</u>
Service Pipe Expense			<u>\$15.60</u>
Installation Labor Expense			<u>\$85.95</u>
Installation Equipment Expense			<u>\$120.00</u>
Installation Miscellaneous Expense			<u>\$64.10</u>
Overhead Expense			_____
Administrative Expense			<u>\$35.90</u>
TOTAL CONNECTION EXPENSE			<u>\$ 1,113.87</u>

Webster County Water District

Explanation of Cost Justification Items

B. Materials Expense

Took pricing of listed materials from our top 3 vendors used by WCWD and averaged the prices of all. (included on attached material sheet)

C. Service Pipe Expense

Took pricing of service pipe from our top 3 vendors used by WCWD and averaged the prices of all. (included on attached material sheet)

D. Installation Labor Expense

WCWD averages 2 men at 1 hour each of labor per short service installation, and average 2 men at 3.5 hours each of labor per long service installation with an average wage of \$19.10.

E. Installation Equipment Expense

WCWD board set forth equipment hourly rates during the August of 2015 meeting of \$60/hr. We average 1 equipment hour for short service installation and average 3 equipment hours for long service installation.

F. Installation Miscellaneous Expense

Hourly average for WCWD's main 2 distribution workers is \$19.10

1. Inspection – Time to install meter in box as well as required service inspection
2. Site Clean Up – Leveling dirt to get ready for seeding once ground has settled
3. Other
 - Trip Charges – Three trips at the current PSC approved tariff trip charge of \$20 in order to take measurements for the initial locate, the service inspection, as well as the site cleanup
 - Seed and strawing materials used for reclamation of disturbed area during meter installation

H. Administrative Expense

Two WCWD office personnel establishing a new account, new billing record, as well as filing of the service inspections. Average administrative expense of 2 hours at an average wage of \$17.95/hr.

NEW SERVICE COST OF PARTS

PART	FERGUSON	SUPPLYHOUSE.COM	UTILITY PIPE SALES
Saddle			
3"	43.84	42.48	42.77
4"	51.60	55.25	50.33
6"	76.99	79.39	75.07
8"	105.82	118.36	103.16
10"	214.16	212.60	187.33
Average of Saddles	98.48	101.61	91.73
¾" Corp Stop	50.86	70.34	56.99
¾" Setter	260.00	297.57	185.00
¾"x12" Brass Nipple	22.49	22.76	16.75
18" Meter Box w/ Lid	63.00	65.43	52.45
¾" SS Inserts (use 2)	2.55	1.96	2.00
Meter Gaskets (use 2)	0.26	0.42	0.38
Radio Read Meter	263.00	313.40	270.00
¾" CTS Tubing	0.37/ft	0.49/ft	0.31/ft

AVERAGE COST OF PARTS

Saddles	97.27
¾" Corp Stop	59.40
¾" Setter	247.52
¾" x 12" Brass Nipple	20.67
18" Meter Box w/ Lid	60.29
¾" SS Inserts (use 2)	2.17
Meter Gaskets (use 2)	0.35
Radio Read Meter	282.13
¾" CTS Tubing	0.39/ft