

Stand Alone Allocator:

Stand Alone Allocation Percent:

0.2827

Class	Stand Alone Diameter	Stand Alone Cost/Length	Weight	Customers	Weighted Customers	Main Length/ Customer	Total Length	Stand Alone Cost	Percent	Stand Alone Allocator
Residential	0.8888	\$9.07	1.00	436,132	436,132	70.63	30,805,854	\$279,325,165	0.7483	0.2115
Small General Service	1.3832	\$12.06	1.44	63,969	92,115	101.71	6,506,499	\$78,487,327	0.2103	0.0594
Large General Service	3.3318	\$25.29	5.30	425	2,253	374.36	159,104	\$4,023,367	0.0108	0.0030
Large Volume	5.1099	\$38.57	8.76	479	4,196	618.76	296,384	\$11,431,496	0.0306	0.0087
				501,005	534,696		37,767,840	\$373,267,355	1.0000	0.2827

Stand Alone Diameter is the average diameter of the service line for each class.

Stand Alone Cost/Length estimate is calculated using the following equation: $@EXP(1.634079+(@LN(Diameter)*1.159577))+4.5975$

Weight was based on length calculations that take into account the average size of lot (parcel of land) for each class.

Customers based on Staff data.

Weighted Customers is the product of Weight and Customers.

Main Length/Customer is based on the total length of main for the system that provided by the Company.

Total Length for each class is the product of Main Length/Customer and Customers.

Stand Alone Cost is the product of Total Length and Stand Alone Cost/Length.

Percent is the ratio of the Stand Alone Cost for each class to the Total Stand Alone cost for the system.

Stand Alone Allocator is the ratio of the Stand Alone Cost for each class to the Total Replacement Cost for the system.

FILED
JUL 13 2004

Missouri Public
Service Commission

Integrated Demand Allocator:

Allocation Percent: 0.717317

Class	Peak Day Demand	Percent	Allocator
Residential	4,328,785	0.586356	0.420603
Small General Service	1,570,099	0.212678	0.152557
Large General Service	133,446	0.018076	0.012966
Large Volume	1,350,194	0.182891	0.131191
	7,382,524	1.000000	0.717317

Exhibit No. 612
Case No(s). GR-2004-0209
Date 7-1-04 **Rptr** TS

Pipe Capacity Comparison

Line	Diameter of larger pipe	Diameter of smaller pipe	Square of radius of larger pipe	Square of radius of smaller pipe	Ratio of capacity
1	5.1	0.88	6.50	0.19	34
2	5.1	0.5	6.50	0.06	104
3	5.1	1	6.50	0.25	26
4	5.1	1.5	6.50	0.56	12
5	5.1	2	6.50	1.00	7
6	5.1	4	6.50	4.00	1.6
7	6	0.5	9.00	0.06	144
8	6	1	9.00	0.25	36
9	6	1.5	9.00	0.56	16
10	6	2	9.00	1.00	9
11	6	4	9.00	4.00	2.3