

ANALYSIS OF WATER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD

For Period January 1, 2017 to December 31, 2017

5/8" x 3/4" Meters			Residential		Non-Residential	
Usage Bracket	Unit	Average	No. of Users	Usage (1,000 Gal.)	No. of Users	Usage (1,000 Gal.)
0 - 2,000	Gallons	980	1,536	18,557.2	184	1,674.4
2,000 - 3,500	Gallons	2,775	1,297	43,241.2	56	1,811.2
3,500 - 5,000	Gallons	4,230	837	42,479.2	23	1,158.3
5,000 - 7,500	Gallons	6,091	634	46,333.6	18	1,331.7
7,500 - Over	Gallons	14,167	475	78,523.8	27	6,693.7
		Subtotal	4,779	229,135.0	308	12,669.3

1" Meters			Residential		Non-Residential	
Usage Bracket	Unit	Average	No. of Users	Usage (1,000 Gal.)	No. of Users	Usage (1,000 Gal.)
0 - 5,000	Gallons	2,217	5	189.8	8	160.5
5,000 - 7,500	Gallons	6,366	2	146.6	2	152.6
7,500 - Over	Gallons	40,071	3	886.6	13	6,766.9
		Subtotal	10	1,223.0	23	7,080.0

1 1/2" Meters			Residential		Non-Residential	
Usage Bracket	Unit	Average	No. of Users	Usage (1,000 Gal.)	No. of Users	Usage (1,000 Gal.)
0 - 10,000	Gallons	0	0	0	0	0
10,000 - Over	Gallons	126,783	0	0	1	1,521.4
		Subtotal	0	0	1	1,521.4

2" Meters			Residential		Non-Residential	
Usage Bracket	Unit	Average	No. of Users	Usage (1,000 Gal.)	No. of Users	Usage (1,000 Gal.)
0 - 20,000	Gallons	6,006	8	710.5	17	1,061.4
20,000 - Over	Gallons	126,339	2	934.8	18	29,134.0
		Subtotal	10	1,645.3	35	30,195.4

3" Meters			Residential		Non-Residential	
Usage Bracket	Unit	Average	No. of Users	Usage (1,000 Gal.)	No. of Users	Usage (1,000 Gal.)
0 - 30,000	Gallons	6,686	1	51.7	1	135.5
30,000 - Over	Gallons	71,100	0	0	2	1,422.0
		Subtotal	0	51.7	0	1,557.5

6" Meters			Residential		Non-Residential	
Usage Bracket	Unit	Average	No. of Users	Usage (1,000 Gal.)	No. of Users	Usage (1,000 Gal.)
0 - 100,000	Gallons	8,827	0	0	1	97.1
100,000 - Over	Gallons	1,012,027	0	0	3	37,445.0
		Subtotal	0	0	4	37,542.1

WHOLESALE WATER CUSTOMERS	
Water Purchaser	Gallons Sold (1,000's)
East Laurel Water District	448,455.0
West Laurel Water Association	335,478.0
City of Livingston	19,600.0
Subtotal	803,533.0

Total Water Treated
Total Water Sold

1,398,634,000 Gallons

1,126,153,700 Gallons

REVENUE FORECAST WITH THE PROPOSED RATES

(Usage values are from January 1, 2017 to December 31, 2017)

3/4" METERS

RESIDENTIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 2,000	Next 1,500	Next 1,500	Next 2,500	Over 7,500
First 2,000	18,428	18,557.2	18,557.2				
Next 1,500	15,568	43,241.2	31,136.0	12,105.2			
Next 1,500	10,040	42,479.2	20,080.0	15,060.0	7,339.2		
Next 2,500	7,608	46,333.6	15,216.0	11,412.0	11,412.0	8,293.6	
Over 7,500	5,694	78,523.8	11,388.0	8,541.0	8,541.0	14,235.0	35,818.8
TOTALS	57,338	229,135.0	96,377.2	47,118.2	27,292.2	22,528.6	35,818.8

COMMERCIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 2,000	Next 1,500	Next 1,500	Next 2,500	Over 7,500
First 2,000	2,208	1,674.4	1,674.4				
Next 1,500	668	1,811.2	1,336.0	475.2			
Next 1,500	275	1,158.3	550.0	412.5	195.8		
Next 2,500	218	1,331.7	436.0	327.0	327.0	241.7	
Over 7,500	321	6,693.7	642.0	481.5	481.5	802.5	4,286.2
TOTALS	3,690	12,669.3	4,638.4	1,696.2	1,004.3	1,044.2	4,286.2

RESIDENTIAL REVENUE TABLE

Water Use		No. Bills	Gallons	Billing Rates	Revenue
First	2,000 gallons	57,338	-----	\$24.22 Min. Bill	\$1,388,726.36
Next	1,500 gallons		47,118.2	\$7.70 / 1,000 gal	\$362,810.14
Next	1,500 gallons		27,292.2	\$6.87 / 1,000 gal	\$187,497.41
Next	2,500 gallons		22,528.6	\$5.78 / 1,000 gal	\$130,215.31
Over	7,500 gallons		35,818.8	\$4.57 / 1,000 gal	\$163,691.92
ANNUAL REVENUE					\$2,232,941.14

COMMERCIAL REVENUE TABLE

Water Use		No. Bills	Gallons	Billing Rates	Revenue
First	2,000 gallons	3,690	-----	\$24.22 Min. Bill	\$89,371.80
Next	1,500 gallons		1,696.2	\$7.70 / 1,000 gal	\$13,060.74
Next	1,500 gallons		1,004.3	\$6.87 / 1,000 gal	\$6,899.54
Next	2,500 gallons		1,044.2	\$5.78 / 1,000 gal	\$6,035.48
Over	7,500 gallons		4,286.2	\$4.57 / 1,000 gal	\$19,587.93
ANNUAL REVENUE					\$134,955.49

1" METERS

RESIDENTIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 5,000	Next 2,500	Over 7,500
First 5,000	62	189.8	189.8		
Next 2,500	23	146.6	115.0	31.6	
Over 7,500	35	886.6	175.0	87.5	624.1
TOTALS	120	1,223.0	479.8	119.1	624.1

COMMERCIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 5,000	Next 2,500	Over 7,500
First 5,000	96	160.5	160.5		
Next 2,500	24	152.6	120.0	32.6	
Over 7,500	156	6,766.9	780.0	390.0	5,596.9
TOTALS	276	7,080.0	1,060.5	422.6	5,596.9

RESIDENTIAL REVENUE TABLE

Water Use	No. Bills	Gallons	Billing Rates	Revenue
First 5,000 gallons	120	-----	\$46.08 Min. Bill	\$5,529.60
Next 2,500 gallons		119.1	\$5.78 / 1,000 gal	\$688.40
Over 7,500 gallons		624.1	\$4.57 / 1,000 gal	\$2,852.14
ANNUAL REVENUE				\$9,070.14

COMMERCIAL REVENUE TABLE

Water Use	No. Bills	Gallons	Billing Rates	Revenue
First 0 gallons	276	-----	\$46.08 Min. Bill	\$12,718.08
Next 0 gallons		422.6	\$5.78 / 1,000 gal	\$2,442.63
Over 0 gallons		5,596.9	\$4.57 / 1,000 gal	\$25,577.83
ANNUAL REVENUE				\$40,738.54

1 1/2" METERS

COMMERCIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 10,000	Over 10,000
First 10,000	0	0.0	0.0	
Over 10,000	12	1,521.4	120.0	1,401.4
TOTALS	12	1,521.4	120.0	1,401.4

COMMERCIAL REVENUE TABLE

Water Use	No. Bills	Gallons	Billing Rates	Revenue
First 10,000 gallons	12	-----	\$71.95 Min. Bill	\$863.40
Over 10,000 gallons		1,401.4	\$4.57 / 1,000 gal	\$6,404.40
ANNUAL REVENUE				\$7,267.80

2" METERS

RESIDENTIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 20,000	Over 20,000
First 20,000	95	710.5	710.5	
Over 20,000	25	934.8	500.0	434.8
TOTALS	120	1,645.3	1,210.5	434.8

COMMERCIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 20,000	Over 20,000
First 20,000	200	1,061.4	1,061.4	
Over 20,000	213	29,134.0	4,260.0	24,874.0
TOTALS	413	30,195.4	5,321.4	24,874.0

RESIDENTIAL REVENUE TABLE

Water Use	No. Bills	Gallons	Billing Rates	Revenue
First 20,000 gallons	120	-----	\$117.65 Min. Bill	\$14,118.00
Over 20,000 gallons		434.8	\$4.57 / 1,000 gal	\$1,987.04
ANNUAL REVENUE				\$16,105.04

COMMERCIAL REVENUE TABLE

Water Use	No. Bills	Gallons	Billing Rates	Revenue
First 0 gallons	413	-----	\$117.65 Min. Bill	\$48,589.45
Over 0 gallons		24,874.0	\$4.57 / 1,000 gal	\$113,674.18
ANNUAL REVENUE				\$162,263.63

3" METERS

RESIDENTIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 30,000	Over 30,000
First 30,000	12	51.7	51.7	
Over 30,000	0	0.0	0.0	0.0
TOTALS	12	51.7	51.7	0.0

COMMERCIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 30,000	Over 30,000
First 30,000	16	135.5	135.5	
Over 30,000	20	1,422.0	600.0	822.0
TOTALS	36	1,557.5	735.5	822.0

RESIDENTIAL REVENUE TABLE

Water Use	No. Bills	Gallons	Billing Rates	Revenue
First 30,000 gallons	12	-----	\$163.35 Min. Bill	\$1,960.20
Over 30,000 gallons		0.0	\$4.57 / 1,000 gal	\$0.00
ANNUAL REVENUE				\$1,960.20

COMMERCIAL REVENUE TABLE

Water Use	No. Bills	Gallons	Billing Rates	Revenue
First 0 gallons	36	-----	\$163.35 Min. Bill	\$5,880.60
Over 0 gallons		822.0	\$4.57 / 1,000 gal	\$3,756.54
ANNUAL REVENUE				\$9,637.14

6" METERS

COMMERCIAL WATER USE TABLE

Water Sold (Gal.)	Number Bills	Water Sold (1,000's)	First 100,000	Over 100,000
First 100,000	11	97.1	97.1	
Over 100,000	37	37,445.0	3,700.0	33,745.0
TOTALS	48	37,542.1	3,797.1	33,745.0

COMMERCIAL REVENUE TABLE

Water Use	No. Bills	Gallons	Billing Rates	Revenue
First 100,000 gallons	48	-----	\$483.25 Min. Bill	\$23,196.00
Over 100,000 gallons		33,745.0	\$4.57 / 1,000 gal	\$154,214.65
ANNUAL REVENUE				\$177,410.65

WHOLESALE WATER CUSTOMERS

Water Purchaser	Gallons Sold (1,000's)	Billing Rate	Revenue
East Laurel Water District	448,455.0	\$3.42 / 1,000 gal	\$1,533,716.10
West Laurel Water Association	335,478.0	\$3.42 / 1,000 gal	\$1,147,334.76
City of Livingston	19,600.0	\$3.42 / 1,000 gal	\$67,032.00
ANNUAL REVENUE			\$2,748,082.86

Existing Revenue

Total Residential Revenue	\$2,260,076.51
Total Commercial Revenue	532,273.25
Total Resale Revenue	<u>2,748,082.86</u>
Total Revenue in 2017 from Existing Rates	<u>\$5,540,432.62</u>

Forecasted Revenue

Total Residential Revenue	\$2,260,076.51
Total Commercial Revenue	532,273.25
Total Resale Revenue	<u>2,748,082.86</u>
Forecasted Revenue from Proposed Rates	<u>\$5,540,432.62</u>

Forecasted Revenue from <u>0.0%</u> Rate Increase.....	<u>\$5,540,432.62</u>
Less Revenue from 2017 Rates.....	\$5,540,432.62

Additional Revenue Generated Through Rate Increase.....	<u>\$0.00</u>
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