

City of Celina, Texas Report on Water & Wastewater Rates



retail customers. Additionally, the cost-based rate design alternative has been designed, based on the following principles:

- The meter is the customer;
- Apartments and mobile homes should be billed by the meter, not the dwelling unit;
- Fixed costs should be recovered based on the maximum continuous flow rate of each size of meter (minimum bills that vary by meter size);
- Only customer costs and fixed costs are recovered in the monthly minimum bill, and therefore no volume is included in the monthly minimum bill;
- This approach is preferred by the American Waterworks Association, since it recognizes the differences of the potential demand of each size of meter.

■ **Rate Design Alternative 3 (Transition to cost-based rates).** Rate design alternative 3 is a transition to cost-based rates. The idea behind this rate alternative is to gradually increase the monthly minimum bill over the planning period. Additionally, this rate design has the following characteristics:

- The meter is the customer;
- Apartments and mobile homes are billed by the meter, not the dwelling unit;
- Fixed costs (a lower level than with alternative 2) are recovered, based on the maximum continuous flow rate of each size of meter (minimum bills that vary by meter size);
- This rate design incorporates block rates that reflect the consumption characteristics of the residential and commercial classes.
- This water rate design has inclining-block rates with five rate-blocks, with a break at 2,000 gallons, 5,000 gallons, 10,000 gallons, 25,000 gallons, and 30,000 gallons;

■ **Rate Design Alternative 4 (Transition to cost-based rates).** Rate design alternative 4 is similar to Rate Design Alternative 3, but with higher monthly minimum bills for non-residential customers. This is our recommended rate design.

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Table 1.2 illustrates the financial impact of each rate design alternative on the combined water and wastewater operating reserves.

Table 1.2
Impact of Alternative Rate Designs

Fiscal Year	Alternative 1		Alternative 2		Alternative 3		(Alt 4)Recommended	
	Operating Reserves	Days of Expenditures	Operating Reserves	Days of Expenditures	Operating Reserves	Days of Expenditures	Operating Reserves	Days of Expenditures
		Target 90 Days		Target 90 Days		Target 90 Days		Target 90 Days
2008	\$ 1,901,424	223	\$ 1,901,424	223	\$ 1,901,424	223	\$ 1,901,424	223
2009	342,426	36	342,426	36	342,426	36	342,426	36
2010	353,083	36	353,083	36	353,083	36	353,083	36
2011	479,268	45	479,268	45	479,268	45	479,268	45
2012	689,530	60	689,530	60	689,530	60	689,530	60
2013	1,085,683	92	1,085,683	92	1,085,683	92	1,085,683	92
2014	1,389,551	112	1,389,551	112	1,389,551	112	1,389,551	112
2015	1,546,991	120	1,546,991	120	1,546,991	120	1,546,991	120
2016	1,579,468	118	1,579,468	118	1,579,468	118	1,579,468	118
2017	1,598,297	115	1,598,297	115	1,598,297	115	1,598,297	115
2018	1,542,046	106	1,542,046	106	1,542,046	106	1,542,046	106
2019	1,376,818	90	1,376,818	90	1,376,818	90	1,376,818	90

Alternative 1 - Across-the-Board Increase.

Alternative 2 - Pure cost-based rates, where 100% of the fixed costs are recovered in the monthly minimum bill.

Alternative 3 - Gradually increases monthly minimum bill each year.

Alternative 4 - Gradually increases monthly minimum bill each year, but with \$20 residential minimum bill & \$25 commercial minimum bill..

Note that each rate design recovers the same overall level of revenues, with the same overall financial impact.

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The following pages will illustrate to the reader the four water rate design alternatives. Alternative 4 is the recommended rate design. On this page and the next page, we show the monthly minimum bills.

Table 1.3
Rate Design Alternatives - Water
Monthly Minimum Bills
FY 2010

	Existing Rates	Alt. 1 Rates	Alt. 2 Rates	Alt. 3 Rates	(4) Recommended Rates
	From Table 3.1	From Table 3.1	From Table 3.2	From Table 3.3	From Table 3.4
1 Outside to Inside Ratio	1.50	1.50	1.00	1.50	1.50
2					
3 <u>Residential Inside:</u>					
4 Gallons in Minimum Bill	2,000	2,000	-	2,000	2,000
5 5/8 x 3/4 Inch	\$ 12.60	\$ 19.03	\$ 39.00	\$ 14.00	\$ 20.00
6 1 Inch	12.60	19.03	97.49	35.00	35.00
7 2 Inch	12.60	19.03	311.97	112.00	112.00
8					
15 <u>Commercial Inside:</u>					
16 Gallons in Minimum Bill	2,000	2,000	-	2,000	2,000
17 5/8 x 3/4 Inch	\$ 14.60	\$ 22.05	\$ 39.00	\$ 14.00	\$ 25.00
18 1 Inch	14.60	22.05	97.49	43.75	43.75
19 2 Inch	14.60	22.05	311.97	140.00	140.00
20 3 Inch	14.60	22.05	584.94	210.00	210.00
21 4 Inch	14.60	22.05	974.89	350.00	350.00
22					
23 <u>Commercial Outside:</u>					
24 Gallons in Minimum Bill	2,000	2,000	-	2,000	2,000
25 5/8 x 3/4 Inch	\$ 21.90	\$ 33.07	\$ 39.00	\$ 21.00	\$ 37.50
26 1 Inch	21.90	33.07	97.49	65.63	65.63
27 2 Inch	21.90	33.07	311.97	210.00	210.00
28					
29 <u>Commercial (No Charge):</u>					
30 Gallons in Minimum Bill	-	-	-	2,000	2,000
31 2 Inch	\$ -	\$ -	\$ 311.97	\$ 210.00	\$ 140.00
32					
33 <u>Apartments (Per Dwelling Unit):</u>					
34 Gallons in Minimum Bill	2,000	2,000	-	2,000	2,000
35 5/8 x 3/4 Inch	\$ 12.60	\$ 19.03	\$ 39.00	\$ 14.00	\$ 20.00
36 2 Inch	12.60	19.03	311.97	140.00	112.00
37					
38 <u>Apartments (No Charge):</u>					
39 Gallons in Minimum Bill	-	-	-	2,000	2,000
40 2 Inch	\$ -	\$ -	\$ 311.97	\$ 140.00	\$ 112.00

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Table 1.3 (Continued)
Rate Design Alternatives - Water
Monthly Minimum Bills
FY 2010

	Existing Rates	Alt. 1 Rates	Alt. 2 Rates	Alt. 3 Rates	(4) Recommended Rates
	From Table 3.1	From Table 3.1	From Table 3.2	From Table 3.3	From Table 3.4
41 City Meters (No Charge):					
42 Gallons in Minimum Bill	-	-	-	2,000	2,000
43 5/8 x 3/4 Inch	\$ -	\$ -	\$ 39.00	\$ 14.00	\$ 25.00
44 1 Inch	-	-	97.49	43.75	43.75
45 2 Inch	-	-	311.97	140.00	140.00
46					
47 Sprinkler Meters - Residential:					
48 Gallons in Minimum Bill	2,000	2,000	-	2,000	2,000
49 5/8 x 3/4 Inch	\$ 12.60	\$ 19.03	\$ 39.00	\$ 14.00	\$ 20.00
50 1 Inch	12.60	19.03	97.49	35.00	35.00
51 2 Inch	12.60	19.03	311.97	112.00	112.00
52					
53 Sprinkler Meters - Commercial:					
54 Gallons in Minimum Bill	2,000	2,000	-	2,000	2,000
55 5/8 x 3/4 Inch	\$ 14.60	\$ 22.05	\$ 39.00	\$ 14.00	\$ 25.00
56 1 Inch	14.60	22.05	97.49	43.75	43.75
57 2 Inch	14.60	22.05	311.97	140.00	140.00
58					
59 Hydrant:					
60 Gallons in Minimum Bill	2,000	2,000	-	2,000	2,000
61 2 Inch	\$ -	\$ -	\$ 311.97	\$ 140.00	\$ 140.00
62 3 Inch	-	-	584.94	210.00	210.00
63					
64					
65					

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Table 1.3 (Continued)
Rate Design Alternatives - Water
Volumetric Rates

	Existing Rates	Alt. 1 Rates	Alt. 2 Rates	Alt. 3 Rates	(4) Recommended Rates
	From Table 3.1	From Table 3.1	From Table 3.2	From Table 3.3	From Table 3.4
66 Outside to Inside Ratio	1.50	1.50	1.00	1.50	1.50
67					
68 0 - 1,000	\$ -	\$ -	\$ 3.55	\$ -	\$ -
69 1,001 - 2,000			3.55	-	-
70 2,001 - 5,000	4.75	7.17	3.55	5.61	4.46
71 5,001 - 10,000	4.75	7.17	3.55	5.61	4.46
72 10,001 - 15,000	4.75	7.17	3.55	7.01	6.69
73 15,001 - 20,000	6.75	10.19	3.55	7.01	6.69
74 20,001 - 25,000	6.75	10.19	3.55	7.01	7.81
75 25,001 - 30,000	6.75	10.19	3.55	8.41	7.81
76 30,001 - 240,000	6.75	10.19	3.55	11.21	11.15
77 Over 240,000	6.75	10.19	3.55	11.21	11.15
78 Residential Inside					
91					
92 0 - 1,000	\$ -	\$ -	\$ 3.55	\$ -	\$ -
93 1,001 - 2,000			3.55	-	-
94 2,001 - 5,000	4.75	7.17	3.55	5.61	4.46
95 5,001 - 10,000	4.75	7.17	3.55	5.61	4.46
96 10,001 - 15,000	4.75	7.17	3.55	7.01	6.69
97 15,001 - 20,000	4.75	7.17	3.55	7.01	6.69
98 20,001 - 25,000	4.75	7.17	3.55	7.01	7.81
99 25,001 - 30,000	4.75	7.17	3.55	8.41	7.81
100 30,001 - 240,000	4.75	7.17	3.55	11.21	11.15
101 Over 240,000	6.75	10.19	3.55	11.21	11.15
102 Commercial Inside					

As Table 1.3 continues, we show the volumetric rates for each of the four water rate design alternatives. The water volumetric rates cover the next four pages.

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Table 1.3 (Continued)
Rate Design Alternatives - Water
Volumetric Rates

	Existing Rates	Alt. 1 Rates	Alt. 2 Rates	Alt. 3 Rates	(4) Recommended Rates
	From Table 3.1	From Table 3.1	From Table 3.2	From Table 3.3	From Table 3.4
103					
104 0 - 1,000	\$ -	\$ -	\$ 3.55	\$ -	\$ -
105 1,001 - 2,000	-	-	3.55	-	-
106 2,001 - 5,000	4.75	7.17	3.55	8.41	6.69
107 5,001 - 10,000	4.75	7.17	3.55	8.41	6.69
108 10,001 - 15,000	4.75	7.17	3.55	10.51	10.04
109 15,001 - 20,000	4.75	7.17	3.55	10.51	10.04
110 20,001 - 25,000	4.75	7.17	3.55	10.51	11.71
111 25,001 - 30,000	4.75	7.17	3.55	12.62	11.71
112 30,001 - 240,000	4.75	7.17	3.55	16.82	16.73
113 Over 240,000	6.75	10.19	3.55	16.82	16.73
114 Commercial Outside					
115					
116 0 - 1,000	\$ -	\$ -	\$ 3.55	\$ -	\$ -
117 1,001 - 2,000	-	-	3.55	-	-
118 2,001 - 5,000	-	-	3.55	5.61	4.46
119 5,001 - 10,000	-	-	3.55	5.61	4.46
120 10,001 - 15,000	-	-	3.55	7.01	6.69
121 15,001 - 20,000	-	-	3.55	7.01	6.69
122 20,001 - 25,000	-	-	3.55	7.01	7.81
123 25,001 - 30,000	-	-	3.55	8.41	7.81
124 30,001 - 240,000	-	-	3.55	11.21	11.15
125 Over 240,000	-	-	3.55	11.21	11.15
126 Commercial - No Charge					
127					
128 0 - 1,000	\$ -	\$ -	\$ 3.55	\$ -	\$ -
129 1,001 - 2,000	-	-	3.55	-	-
130 2,001 - 5,000	4.75	7.17	3.55	5.61	4.46
131 5,001 - 10,000	4.75	7.17	3.55	5.61	4.46
132 10,001 - 15,000	4.75	7.17	3.55	7.01	6.69
133 15,001 - 20,000	6.75	10.19	3.55	7.01	6.69
134 20,001 - 25,000	6.75	10.19	3.55	7.01	7.81
135 25,001 - 30,000	6.75	10.19	3.55	8.41	7.81
136 30,001 - 240,000	6.75	10.19	3.55	11.21	11.15
137 Over 240,000	6.75	10.19	3.55	11.21	11.15
138 Apartments					

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Table 1.3 (Continued)
Rate Design Alternatives - Water
Volumetric Rates

		Existing Rates	Alt. 1 Rates	Alt. 2 Rates	Alt. 3 Rates	(4) Recommended Rates
		From Table 3.1	From Table 3.1	From Table 3.2	From Table 3.3	From Table 3.4
139						
140	0 - 1,000	\$ -	\$ -	\$ 3.55	\$ -	\$ -
141	1,001 - 2,000	-	-	3.55	-	-
142	2,001 - 5,000	-	-	3.55	5.61	4.46
143	5,001 - 10,000	-	-	3.55	5.61	4.46
144	10,001 - 15,000	-	-	3.55	7.01	6.69
145	15,001 - 20,000	-	-	3.55	7.01	6.69
146	20,001 - 25,000	-	-	3.55	7.01	7.81
147	25,001 - 30,000	-	-	3.55	8.41	7.81
148	30,001 - 240,000	-	-	3.55	11.21	11.15
149	Over 240,000	-	-	3.55	11.21	11.15
150	Apts - No Charge					
151						
152	0 - 1,000	\$ -	\$ -	\$ 3.55	\$ -	\$ -
153	1,001 - 2,000	-	-	3.55	-	-
154	2,001 - 5,000	-	-	3.55	5.61	4.46
155	5,001 - 10,000	-	-	3.55	5.61	4.46
156	10,001 - 15,000	-	-	3.55	7.01	6.69
157	15,001 - 20,000	-	-	3.55	7.01	6.69
158	20,001 - 25,000	-	-	3.55	7.01	7.81
159	25,001 - 30,000	-	-	3.55	8.41	7.81
160	30,001 - 240,000	-	-	3.55	11.21	11.15
161	Over 240,000	-	-	3.55	11.21	11.15
162	City - No Charge					
163						
164	0 - 1,000	\$ 25.00	\$ 37.75	\$ 3.55	\$ -	\$ -
165	1,001 - 2,000	25.00	37.75	3.55	-	-
166	2,001 - 5,000	7.50	11.33	3.55	5.61	4.46
167	5,001 - 10,000	7.50	11.33	3.55	5.61	4.46
168	10,001 - 15,000	7.50	11.33	3.55	7.01	6.69
169	15,001 - 20,000	7.50	11.33	3.55	7.01	6.69
170	20,001 - 25,000	7.50	11.33	3.55	7.01	7.81
171	25,001 - 30,000	7.50	11.33	3.55	8.41	7.81
172	30,001 - 240,000	7.50	11.33	3.55	11.21	11.15
173	Over 240,000	7.50	11.33	3.55	11.21	11.15
174	Hydrants					

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Table 1.3 (Continued)
Rate Design Alternatives - Water
Volumetric Rates

	Existing Rates	Alt. 1 Rates	Alt. 2 Rates	Alt. 3 Rates	(4) Recommended Rates
	From Table 3.1	From Table 3.1	From Table 3.2	From Table 3.3	From Table 3.4
175					
176 0 - 1,000	\$ -	\$ -	\$ 3.55	\$ -	\$ -
177 1,001 - 2,000	-	-	3.55	-	-
178 2,001 - 5,000	4.75	7.17	3.55	5.61	4.46
179 5,001 - 10,000	4.75	7.17	3.55	5.61	4.46
180 10,001 - 15,000	4.75	7.17	3.55	7.01	6.69
181 15,001 - 20,000	6.75	10.19	3.55	7.01	6.69
182 20,001 - 25,000	6.75	10.19	3.55	7.01	7.81
183 25,001 - 30,000	6.75	10.19	3.55	8.41	7.81
184 30,001 - 240,000	6.75	10.19	3.55	11.21	11.15
185 Over 240,000	6.75	10.19	3.55	11.21	11.15
186 Sprinklers - Residential					
187					
188 0 - 1,000	\$ -	\$ -	\$ 3.55	\$ -	\$ -
189 1,001 - 2,000	-	-	3.55	-	-
190 2,001 - 5,000	4.75	7.17	3.55	5.61	4.46
191 5,001 - 10,000	4.75	7.17	3.55	5.61	4.46
192 10,001 - 15,000	4.75	7.17	3.55	7.01	6.69
193 15,001 - 20,000	4.75	7.17	3.55	7.01	6.69
194 20,001 - 25,000	4.75	7.17	3.55	7.01	7.81
195 25,001 - 30,000	4.75	7.17	3.55	8.41	7.81
196 30,001 - 240,000	4.75	7.17	3.55	11.21	11.15
197 Over 240,000	6.75	10.19	3.55	11.21	11.15
198 Sprinklers - Commercial					
199					
200 System Totals					
201					
202 From Monthly Minimum Bill	\$ 344,030	\$ 461,775	\$ 1,119,773	\$ 478,187	\$ 571,484
203 From Volume Rates	1,242,526	1,700,285	1,042,286	1,683,872	1,590,575
204 Total Revenues Generated	\$ 1,586,556	\$ 2,162,059	\$ 2,162,059	\$ 2,162,059	\$ 2,162,059
205 Change in Revenues->		36.3%	36.3%	36.1%	36.1%
206					
207 Avg Residential 3/4 Inch Mon Bill @ 1 \$	50.60	\$ 76.41	\$ 74.46	\$ 58.86	\$ 55.68
208 Monthly Difference- \$	N/A	25.81	23.86	8.26	5.08
209 Monthly Difference- %	N/A	51.0%	47.2%	16.3%	10.0%
210					
211 Avg. Commercial 3/4 Inch Mon. Bill @ \$	147.60	\$ 222.88	\$ 145.40	\$ 206.05	\$ 205.64
212 Monthly Difference- \$	N/A	75.28	(2.20)	58.45	58.04
213 Monthly Difference- %	N/A	51.0%	-1.5%	39.6%	39.3%

City of Celina, Texas

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The following pages will illustrate to the reader the four wastewater rate design alternatives. Alternative 4 is the recommended rate design. On this page, we show the monthly minimum bills.

Table 1.4
Rate Design Alternatives - Wastewater
Monthly Minimum Bills
FY 2010

	Existing Rates From Table 3.5	Alt. 1 Rates From Table 3.5	Alt. 2 Rates From Table 3.6	Alt. 3 Rates From Table 3.7	(4) Recommended Rates From Table 3.8
1 Outside to Inside Ratio	1.00	1.00	1.00	1.50	1.00
2					
3 <u>Residential Inside:</u>					
4 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000
5 5/8 x 3/4 Inch	\$ 13.75	\$ 22.69	\$ 22.85	\$ 15.00	\$ 20.00
6 1 Inch	13.75	22.69	57.14	37.50	37.50
11					
12 <u>Commercial Inside:</u>					
13 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000
14 5/8 x 3/4 Inch	\$ 13.75	\$ 22.69	\$ 22.85	\$ 15.00	\$ 25.00
15 1 Inch	13.75	22.69	57.14	46.88	46.88
16 2 Inch	13.75	22.69	182.84	180.00	180.00
17 4 Inch	13.75	22.69	571.37	375.00	375.00
18					
19 <u>Apartments (Per Dwelling Unit):</u>					
20 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000
21 5/8 x 3/4 Inch	\$ 13.75	\$ 22.69	\$ 22.85	\$ 15.00	\$ 20.00
22 2 Inch	13.75	22.69	182.84	180.00	180.00
23					
24					
25 Total System					

City of Celina, Texas

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As Table 1.4 continues, we show the volumetric rates for each of the four wastewater rate design alternatives. The wastewater volumetric rates cover the next two pages.

Table 1.4 (Continued)
Rate Design Alternatives - Wastewater
Volumetric Rates

	Existing Rates From Table 3.5	Alt. 1 Rates From Table 3.5	Alt. 2 Rates From Table 3.6	Alt. 3 Rates From Table 3.7	(4) Recommended Rates From Table 3.8
26 Outside to Inside Ratio	1.58	1.58	1.00	1.50	1.50
27					
28 0 - 1,000	\$ -	\$ -	\$ 2.49	\$ -	\$ -
29 1,001 - 2,000	-	-	2.49	-	-
30 2,001 - 5,000	3.00	4.95	2.49	6.51	5.57
31 5,001 - 7,000	3.00	4.95	2.49	6.51	5.57
32 7,001 - 10,000	3.00	4.95	2.49	6.51	5.57
33 10,001 - 14,000	3.00	4.95	2.49	6.51	5.57
34 14,001 - 50,000	1.35	2.23	2.49	-	-
35 Over 50,000	-	-	2.49	-	-
36 Residential Inside					
47					
48 0 - 1,000	\$ -	\$ -	\$ 2.49	\$ -	\$ -
49 1,001 - 2,000	-	-	2.49	-	-
50 2,001 - 5,000	3.30	5.45	2.49	6.51	5.57
51 5,001 - 7,000	3.30	5.45	2.49	6.51	5.57
52 7,001 - 10,000	3.30	5.45	2.49	6.51	5.57
53 10,001 - 14,000	3.30	5.45	2.49	6.51	5.57
54 14,001 - 50,000	3.30	5.45	2.49	6.51	5.57
55 Over 50,000	6.50	10.73	2.49	6.51	5.57
56 Commercial Inside					

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Table 1.4 (Continued)
Rate Design Alternatives - Wastewater
Volumetric Rates

		Existing Rates	Alt. 1 Rates	Alt. 2 Rates	Alt. 3 Rates	(4) Recommended Rates
		From Table 3.5	From Table 3.5	From Table 3.6	From Table 3.7	From Table 3.8
57	0 - 1,000	\$ -	\$ -	\$ 2.49	\$ -	\$ -
58	1,001 - 2,000	-	-	2.49	-	-
59	2,001 - 5,000	3.30	5.45	2.49	6.51	5.57
60	5,001 - 7,000	3.30	5.45	2.49	6.51	5.57
61	7,001 - 10,000	3.30	5.45	2.49	6.51	5.57
62	10,001 - 14,000	3.30	5.45	2.49	6.51	5.57
63	14,001 - 50,000	3.30	5.45	2.49	6.51	5.57
64	Over 50,000	6.50	10.73	2.49	6.51	5.57
65	Apartments					
66						
67	System Totals					
68						
69	From Monthly Minimum Bill	\$ 272,443	\$ 391,544	\$ 508,912	\$ 330,594	\$ 391,379
70	From Volume Rates	303,850	449,139	331,771	516,913	455,146
71	Total Revenues Generated	\$ 576,292	\$ 840,683	\$ 840,683	\$ 847,507	\$ 846,525
72	Change in Revenues->		45.9%	45.9%	47.1%	46.9%
73						
74	Avg. Residential 3/4 Inch Mon. Bill @ \$	31.75	\$ 52.39	\$ 42.75	\$ 54.07	\$ 53.45
75	Monthly Difference- \$	N/A	20.64	11.00	22.32	21.70
76	Monthly Difference- %	N/A	65.0%	34.7%	70.3%	68.3%
77						
78	Avg Commercial 3/4 Inch Mon. Bill @ \$	106.15	\$ 175.15	\$ 97.47	\$ 197.33	\$ 181.09
79	Monthly Difference- \$	N/A	69.00	(8.68)	91.18	74.94
80	Monthly Difference- %	N/A	65.0%	-8.2%	85.9%	70.6%

City of Celina, Texas Report on Water & Wastewater Rates



1.6. CUSTOMER IMPACT:

The following table illustrates impact of the four rate design alternatives on the average residential user.

Table 1.5														
Key Findings														
Impact on Avg. Combined Residential 3/4 Inch Water & Wastewater Bills														
@ 10,000 Gallons														
Fiscal Year	Month of Increase	Alternative 1			Alternative 2			Alternative 3			Recommended			
		Bill	Change		Bill	Change		Bill	Change		Bill	Change		
			\$	%		\$	%		\$	%		\$	%	
2008	N/A	\$ 82.35	N/A	N/A	\$ 82.35	N/A	N/A	\$ 82.35	N/A	N/A	\$ 82.35	N/A	N/A	
2009	Feb	82.35	-	0.0%	82.35	-	0.0%	82.35	-	0.0%	82.35	-	0.0%	
2010	Feb	128.79	46.44	56.4%	117.22	34.87	42.3%	112.93	30.58	37.1%	109.13	26.78	32.5%	
2011	Feb	146.18	17.39	13.5%	127.89	10.68	9.1%	128.70	15.78	14.0%	123.25	14.12	12.9%	
2012	Feb	154.95	8.77	6.0%	138.41	10.52	8.2%	136.87	8.16	6.3%	131.19	7.94	6.4%	
2013	Feb	161.15	6.20	4.0%	143.98	5.57	4.0%	142.29	5.43	4.0%	136.21	5.02	3.8%	
2014	Feb	161.15	-	0.0%	143.00	(0.98)	-0.7%	142.05	(0.24)	-0.2%	136.10	(0.11)	-0.1%	
2015	Feb	161.15	-	0.0%	141.69	(1.31)	-0.9%	141.62	(0.43)	-0.3%	135.75	(0.35)	-0.3%	
2016	Feb	161.15	-	0.0%	140.83	(0.86)	-0.6%	141.26	(0.36)	-0.3%	135.49	(0.26)	-0.2%	
2017	Feb	165.98	4.83	3.0%	145.39	4.56	3.2%	145.37	4.12	2.9%	139.39	3.90	2.9%	
2018	Feb	169.30	3.32	2.0%	147.93	2.55	1.8%	148.21	2.84	2.0%	142.11	2.72	2.0%	
2019	Feb	172.69	3.39	2.0%	149.54	1.61	1.1%	151.03	2.82	1.9%	144.81	2.70	1.9%	
			\$ 90.34	109.7%		\$ 67.19	81.6%		\$ 68.68	83.4%		\$ 62.46	75.8%	
Alternative 1 - Across-the-Board Increase.														
Alternative 2 - Pure cost-based rates, where 100% of the fixed costs are recovered in the monthly minimum bill.														
Alternative 3 - Gradually increases monthly minimum bill each year.														
Alternative 4 - Gradually increases monthly minimum bill each year, but with \$20 residential minimum bill & \$25 commercial minimum bill.														

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.6 illustrates the impact of the three rate design alternatives on the average 3/4 inch commercial customer.

Table 1.6 Key Findings Impact on Avg. Combined 3/4 Inch Commercial Water & Wastewater Bills @ 30,000 Gallons														
Fiscal Year	Month of Increase	Alternative 1			Alternative 2			Alternative 3			Recommended			
		Bill	Change		Bill	Change		Bill	Change		Bill	Change		
			\$	%		\$	%		\$	%		\$	%	
2008	N/A	\$ 253.75	N/A	N/A	\$ 253.75	N/A	N/A	\$ 253.75	N/A	N/A	\$ 253.75	N/A	N/A	
2009	Feb	253.75	-	0.0%	253.75	-	0.0%	253.75	-	0.0%	253.75	-	0.0%	
2010	Feb	398.02	144.27	56.9%	242.87	(10.88)	-4.3%	403.38	149.63	59.0%	386.73	132.98	52.4%	
2011	Feb	451.76	53.73	13.5%	261.08	18.21	7.5%	466.86	63.49	15.7%	447.70	60.97	15.8%	
2012	Feb	478.86	27.11	6.0%	290.61	29.53	11.3%	496.40	29.54	6.3%	478.52	30.82	6.9%	
2013	Feb	498.02	19.15	4.0%	306.08	15.47	5.3%	513.61	17.21	3.5%	495.30	16.78	3.5%	
2014	Feb	498.02	-	0.0%	294.57	(21.51)	-3.8%	505.44	(8.17)	-1.6%	487.20	(8.10)	-1.6%	
2015	Feb	498.02	-	0.0%	284.69	(9.88)	-3.4%	496.42	(9.02)	-1.8%	477.92	(9.28)	-1.9%	
2016	Feb	498.02	-	0.0%	276.81	(7.88)	-2.8%	487.72	(8.70)	-1.8%	469.10	(8.83)	-1.8%	
2017	Feb	512.96	14.94	3.0%	288.07	11.26	4.1%	499.09	11.37	2.3%	480.41	11.32	2.4%	
2018	Feb	523.22	10.26	2.0%	289.66	1.59	0.6%	504.72	5.63	1.1%	486.03	5.62	1.2%	
2019	Feb	533.68	10.46	2.0%	282.94	(6.72)	-2.3%	510.26	5.54	1.1%	491.52	5.49	1.1%	
		\$ 279.93		110.3%	\$ 29.19		11.5%	\$ 256.51		101.1%	\$ 237.77		93.7%	

Alternative 1 - Across-the-Board Increase.

Alternative 2 - Pure cost-based rates, where 100% of the fixed costs are recovered in the monthly minimum bill.

Alternative 3 - Gradually increases monthly minimum bill each year

Alternative 4 - Gradually increases monthly minimum bill each year, but with \$20 residential minimum bill & \$25 commercial minimum bill.

City of Celina, Texas Report on Water & Wastewater Rates



1.7. SHIFT IN THE REVENUE COLLECTION EFFORT:

The four tables that follow will illustrate to the reader the shifts in the revenue collection effort with each rate design alternative.

Table 1.7
Illustration of the Shift in the Revenue Collection Effort
Water Revenues - FY 2010

Description	Existing	Alternative 1			Alternative 2			Alternative 3			Recommended		
		Dollars Generated	Shift \$\$	%	Dollars Generated	Shift \$\$	%	Dollars Generated	Shift \$\$	%	Dollars Generated	Shift \$\$	%
Minimum Bills	\$ 307,919	\$ 413,112	\$ 105,194	34.2%	\$ 843,223	\$ 535,304	180.3%	\$ 382,770	\$ 71,851	24.3%	\$ 466,944	\$ 159,025	51.6%
Volume	858,721	1,175,009	316,288	36.8%	747,821	(110,909)	-11.1%	1,075,622	167,901	19.6%	1,022,291	83,573	9.7%
Residential	\$ 1,166,640	\$ 1,588,121	\$ 421,481	36.1%	\$ 1,601,034	\$ 434,394	37.2%	\$ 1,409,392	\$ 242,752	20.8%	\$ 1,409,238	\$ 242,598	20.8%
Minimum Bills	\$ 25,572	\$ 34,347	\$ 8,775	34.3%	\$ 109,304	\$ 23,152	482.1%	\$ 68,952	\$ 47,380	169.6%	\$ 77,741	\$ 52,169	204.0%
Volume	279,327	382,435	103,108	36.9%	219,771	(70,556)	-25.1%	454,284	174,958	62.6%	448,452	169,125	60.5%
Commercial	\$ 304,899	\$ 416,782	\$ 111,884	36.7%	\$ 358,276	\$ 53,378	17.5%	\$ 523,236	\$ 218,337	71.6%	\$ 526,192	\$ 221,294	72.6%
Minimum Bills	\$ 5,746	\$ 7,879	\$ 2,133	37.1%	\$ 58,496	\$ 52,750	918.1%	\$ 4,892	\$ (854)	-14.9%	\$ 4,036	\$ (1,660)	-28.0%
Volume	10,662	15,779	5,117	18.0%	12,566	1,903	17.3%	21,378	10,715	100.5%	20,514	9,852	92.4%
Apartments	\$ 16,408	\$ 23,658	\$ 7,250	44.2%	\$ 71,062	\$ 54,654	333.1%	\$ 26,269	\$ 9,861	60.1%	\$ 24,600	\$ 8,192	49.9%
Minimum Bills	\$ -	\$ -	\$ -	0.0%	\$ 10,626	\$ 10,626	0.0%	\$ 4,613	\$ 4,643	0.0%	\$ 5,039	\$ 5,039	0.0%
Volume	-	-	-	0.0%	14,269	14,269	0.0%	40,055	40,055	0.0%	39,431	39,431	0.0%
City	\$ -	\$ -	\$ -	0.0%	\$ 24,895	\$ 24,895	0.0%	\$ 44,698	\$ 44,698	0.0%	\$ 44,470	\$ 44,470	0.0%
Minimum Bills	\$ 4,794	\$ 6,436	\$ 1,642	34.3%	\$ 35,110	\$ 30,316	632.4%	\$ 15,602	\$ 10,808	225.5%	\$ 16,346	\$ 11,552	241.0%
Volume	61,081	84,535	23,454	38.4%	15,876	(15,205)	-27.3%	100,709	39,623	64.9%	97,189	38,208	62.6%
Sprinklers	\$ 65,875	\$ 90,971	\$ 25,096	38.1%	\$ 80,986	\$ 15,112	22.9%	\$ 116,311	\$ 50,436	76.6%	\$ 115,634	\$ 49,759	75.5%
Minimum Bills	\$ -	\$ -	\$ -	0.0%	\$ 3,315	\$ 3,315	0.0%	\$ 1,330	\$ 1,330	0.0%	\$ 1,330	\$ 1,330	0.0%
Volume	32,735	42,777	9,792	29.9%	27,491	(10,244)	-31.3%	40,824	8,089	24.7%	40,595	7,960	24.0%
Fire Hydrants	\$ 32,735	\$ 42,527	\$ 9,792	29.9%	\$ 25,805	\$ (6,930)	-21.2%	\$ 42,154	\$ 9,419	28.8%	\$ 41,925	\$ 9,190	28.1%
Minimum Bills	\$ 341,030	\$ 461,775	\$ 120,744	11.2%	\$ 111,977	\$ 775,743	225.5%	\$ 478,187	\$ 134,157	39.0%	\$ 571,484	\$ 227,454	66.1%
Volume	1,242,526	1,700,285	457,759	36.8%	1,342,236	(200,240)	-16.1%	1,683,872	441,346	35.5%	1,590,575	348,047	28.0%
Totals	\$ 1,586,556	\$ 2,162,059	\$ 575,503	36.3%	\$ 2,162,059	\$ 575,503	36.3%	\$ 2,162,059	\$ 575,503	36.3%	\$ 2,162,059	\$ 575,503	36.3%

Alternative 1: Across the board increase

Alternative 2: Flat-rate based rates, where bills at bottom end are reduced in the monthly minimum bill

Alternative 3: Gradual rate increases monthly minimum bill per year

Alternative 4: Gradual rate increases monthly minimum bill per year, but with 520 residential minimum bills & 520 commercial minimum bills

Note: this rate design recovers the increased level of revenues with the same overall financial impact

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.8
Illustration of the Shift in the Revenue Collection Effort
Wastewater Revenues - FY 2010

Description	Existing	Alternative 1			Alternative 2			Alternative 3			Recommended		
		Dollars		Shift	Dollars		Shift	Dollars		Shift	Dollars		Shift
		Generated	\$		Generated	\$		Generated	\$		Generated	\$	
Minimum Bills	\$ 243,224	\$ 349,525	\$ 106,401	43.7%	\$ 394,467	\$ 151,243	67.2%	\$ 285,250	\$ 43,006	17.7%	\$ 339,505	\$ 96,281	39.6%
Volume	223,921	326,421	102,500	45.8%	275,293	51,372	22.9%	407,367	183,446	81.9%	358,584	134,663	60.1%
Residential	\$ 467,145	\$ 676,046	\$ 208,901	44.7%	\$ 669,759	\$ 202,615	43.4%	\$ 693,597	\$ 226,452	48.5%	\$ 698,089	\$ 230,944	49.4%
Minimum Bills	\$ 18,494	\$ 26,546	\$ 8,053	43.5%	\$ 47,792	\$ 29,298	158.4%	\$ 39,579	\$ 71,035	113.7%	\$ 46,059	\$ 28,465	153.9%
Volume	75,246	113,747	38,501	51.2%	47,752	(27,194)	-56.5%	92,129	16,883	22.4%	81,177	5,931	7.9%
Commercial	\$ 93,740	\$ 140,294	\$ 46,554	49.7%	\$ 95,544	\$ 1,804	1.9%	\$ 131,658	\$ 37,918	40.5%	\$ 128,135	\$ 34,396	36.7%
Minimum Bills	\$ 10,725	\$ 15,373	\$ 4,648	43.3%	\$ 66,654	\$ 55,929	521.5%	\$ 4,835	\$ (5,890)	-54.9%	\$ 4,915	\$ (5,810)	-54.2%
Volume	4,683	8,771	4,088	91.6%	8,726	4,043	86.3%	17,413	12,735	272.0%	15,386	10,713	228.6%
Apartments	\$ 15,408	\$ 24,343	\$ 8,935	58.0%	\$ 75,379	\$ 59,972	389.2%	\$ 22,253	\$ 6,845	44.4%	\$ 20,301	\$ 4,893	31.8%
Minimum Bills	\$ 272,443	\$ 391,544	\$ 119,101	43.7%	\$ 503,912	\$ 236,470	86.8%	\$ 330,594	\$ 58,151	21.3%	\$ 391,379	\$ 118,936	42.7%
Volume	303,850	449,134	145,284	47.8%	331,771	27,921	9.2%	516,913	213,064	70.1%	455,146	151,297	49.3%
Totals	\$ 576,292	\$ 840,683	\$ 264,391	45.9%	\$ 840,683	\$ 264,391	45.9%	\$ 847,507	\$ 271,215	47.1%	\$ 846,525	\$ 270,233	46.9%

Alternative 1: Across the Board increase.

Alternative 2: Percent based rates, where 100% of the bill increase is covered by the monthly minimum bill.

Alternative 3: Graduated increases, monthly minimum bill each year at least.

Alternative 4: Graduated increases, monthly minimum bill each year at least, \$100 residential minimum bill, \$250 commercial minimum bill.

Note that each category generated the same overall level of revenues with the same overall financial impact.

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.9
Illustration of the Shift in the Revenue Collection Effort
Combined Water & Wastewater Revenues - FY 2010

Description	Existing	Alternative 1			Alternative 2			Alternative 3			Recommended		
		Dollars Generated	Shift \$\$	%	Dollars Generated	Shift \$\$	%	Dollars Generated	Shift \$\$	%	Dollars Generated	Shift \$\$	%
Minimum Bills	\$ 55,143	\$ 762,747	\$ 211,595	38.4%	\$ 1,257,689	\$ 706,547	128.2%	\$ 669,000	\$ 117,857	21.4%	\$ 806,449	\$ 215,306	46.3%
Volume	1,082,642	1,501,430	418,788	38.7%	1,013,104	(69,538)	6.4%	1,433,988	351,347	32.5%	1,309,878	219,236	26.2%
Residential	\$ 1,633,784	\$ 2,264,167	\$ 630,383	38.6%	\$ 2,270,794	\$ 637,009	39.0%	\$ 2,102,988	\$ 469,204	28.7%	\$ 2,107,326	\$ 473,542	29.0%
Minimum Bills	\$ 44,056	\$ 60,893	\$ 16,838	38.2%	\$ 196,796	\$ 152,730	77.6%	\$ 108,480	\$ 64,425	140.2%	\$ 124,699	\$ 80,634	183.0%
Volume	354,573	496,283	141,610	19.9%	257,025	(97,548)	27.5%	542,414	181,841	94.1%	529,628	135,056	49.4%
Commercial	\$ 398,639	\$ 557,076	\$ 158,438	39.7%	\$ 453,820	\$ 55,182	13.8%	\$ 654,894	\$ 256,256	64.3%	\$ 654,328	\$ 255,689	64.1%
Minimum Bills	\$ 16,471	\$ 23,252	\$ 6,781	41.2%	\$ 125,190	\$ 108,679	359.8%	\$ 9,727	\$ 16,744	109.9%	\$ 9,001	\$ (7,470)	45.4%
Volume	35,315	24,750	(10,565)	61.3%	21,291	(5,946)	38.8%	38,795	23,450	152.8%	35,900	20,555	34.9%
Apartments	\$ 31,816	\$ 48,001	\$ 16,186	50.9%	\$ 146,441	\$ 114,626	360.3%	\$ 48,522	\$ 16,706	52.5%	\$ 44,901	\$ 13,085	41.1%
Minimum Bills	\$ -	\$ -	\$ -	0.0%	\$ 10,625	\$ 10,625	0.0%	\$ 4,643	\$ 4,643	0.0%	\$ 5,039	\$ 5,039	0.0%
Volume	\$ -	\$ -	\$ -	0.0%	14,269	14,269	0.0%	40,055	40,055	0.0%	39,431	39,431	0.0%
City	\$ -	\$ -	\$ -	0.0%	\$ 24,895	\$ 24,895	0.0%	\$ 44,698	\$ 44,698	0.0%	\$ 44,470	\$ 44,470	0.0%
Minimum Bills	\$ 4,794	\$ 6,436	\$ 1,642	34.3%	\$ 35,110	\$ 30,316	637.4%	\$ 15,802	\$ 10,808	225.5%	\$ 16,346	\$ 11,352	241.0%
Volume	61,081	84,535	23,454	38.4%	45,876	(15,205)	24.9%	100,709	59,628	64.9%	99,289	38,708	62.6%
Sprinklers	\$ 65,875	\$ 90,971	\$ 25,096	38.1%	\$ 80,986	\$ 15,112	22.9%	\$ 116,311	\$ 50,436	76.6%	\$ 115,634	\$ 49,759	75.5%
Minimum Bills	\$ -	\$ -	\$ -	0.0%	\$ 3,325	\$ 3,325	0.0%	\$ 1,330	\$ 1,330	0.0%	\$ 1,330	\$ 1,330	0.0%
Volume	32,735	42,527	9,792	29.9%	22,191	(10,244)	31.7%	40,824	8,089	24.7%	40,535	7,850	24.0%
Hydrants	\$ 32,735	\$ 42,527	\$ 9,792	29.9%	\$ 25,805	\$ (6,930)	-21.2%	\$ 42,154	\$ 9,419	28.8%	\$ 41,925	\$ 9,190	28.1%
Minimum Bills	\$ 616,473	\$ 852,318	\$ 236,846	38.4%	\$ 1,528,586	\$ 1,012,213	164.2%	\$ 808,781	\$ 192,309	31.2%	\$ 962,863	\$ 345,391	56.2%
Volume	1,546,376	2,149,424	603,048	39.3%	1,374,058	(172,319)	-11.1%	2,208,785	654,418	42.3%	2,065,721	499,346	32.3%
Totals	\$ 2,162,848	\$ 3,002,742	\$ 839,894	38.8%	\$ 3,002,742	\$ 839,894	38.8%	\$ 3,009,506	\$ 846,718	39.1%	\$ 3,008,584	\$ 845,736	39.1%

Alternative 1 - Across-the-Board Increase

Alternative 2 - Rates are based on the 1990 rates of the City of Celina, Texas, as adjusted for inflation by the Consumer Price Index (CPI).

Alternative 3 - Rates are based on the 1990 rates of the City of Celina, Texas, as adjusted for inflation by the Consumer Price Index (CPI).

Alternative 4 - Rates are based on the 1990 rates of the City of Celina, Texas, as adjusted for inflation by the Consumer Price Index (CPI).

Note that each rate design recovers the same overall level of revenues with the same overall financial impact.

City of Celina, Texas

Report on Water & Wastewater Rates



1.8. BENCHMARKING WITH SELECTED CITIES – AVERAGE MONTHLY BILLS:

The following table compares the average combined monthly residential water and wastewater bills of selected utilities. The chart that follows shows the results graphically.

Table 1.10
Combined Water & Wastewater Average Monthly Bill
Residential 5/8 x 3/4 Inch Meter

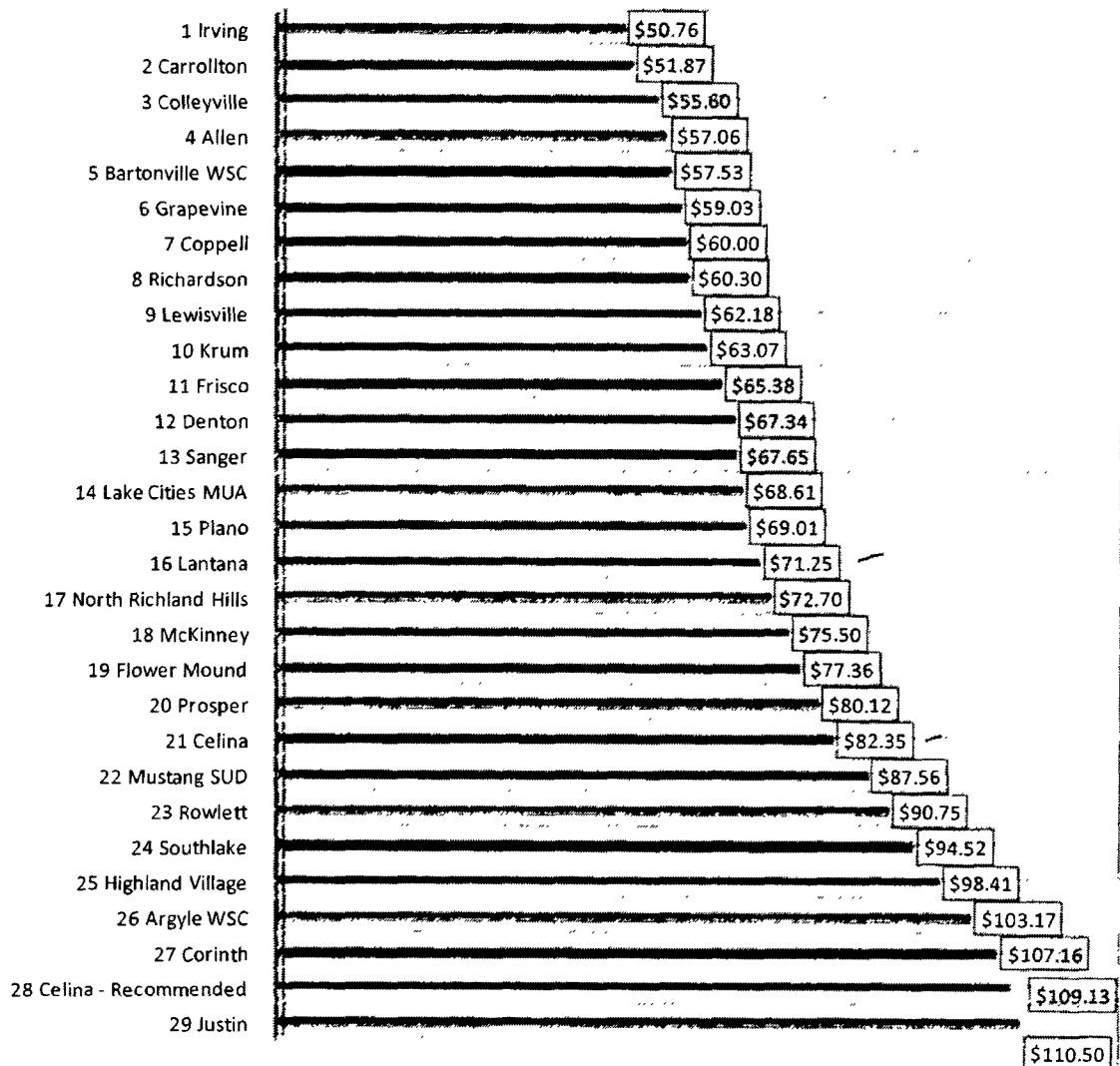
	Water			Wastewater			Combined	
	Provider	Rank	\$	Provider	Rank	\$	Rank	\$
Avg. Monthly Consumption			10,000			8,000		
1 Allen	NTMWD	2	28.53	NTMWD	10	28.53	4	57.06
2 Argyle WSC	TRA	25	54.66	UTRWD	26	48.51	26	103.17
3 Bartonville WSC	UTRWD	27	57.53	UTRWD	1	-	5	57.53
4 Carrollton	DWU	4	30.83	TRA	4	21.04	2	51.87
5 Celina	UTRWD	23	50.60	UTRWD	17	31.75	21	82.35
6 Celina - Recommended	UTRWD	26	55.68	UTRWD	27	53.45	28	109.13
7 Colleyville	FTW	11	36.08	FTW	2	19.52	3	55.60
8 Coppell	DWU	9	35.40	TRA	6	24.60	7	60.00
9 Corinth	UTRWD	21	48.97	UTRWD	28	58.19	27	107.16
10 Denton	DENTON	14	37.55	DENTON	13	29.79	12	67.34
11 Flower Mound	UTRWD/DWU	18	43.26	FLOWER MOUND	19	34.10	19	77.36
12 Frisco	NTMWD	10	36.08	NTMWD	11	29.30	11	65.38
13 Grapevine	FTW	6	31.67	TRA	9	27.36	6	59.03
14 Highland Village	UTRWD	13	37.25	UTRWD	29	61.16	25	98.41
15 Irving	DWU	5	30.88	TRA	3	19.88	1	50.76
16 Justin	UTRWD	29	67.50	UTRWD	23	43.00	29	110.50
17 Krum	UTRWD	3	29.15	UTRWD	18	33.92	10	63.07
18 Lake Cities MUA	UTRWD	16	38.53	UTRWD	16	30.08	14	68.61
19 Lantana	UTRWD	8	35.25	UTRWD	21	36.00	16	71.25
20 Lewisville	LEWISVILLE	7	35.02	LEWISVILLE	7	27.16	9	62.18
21 McKinney	NTMWD	17	41.30	NTMWD	20	34.20	18	75.50
22 Mustang SUD	UTRWD	28	57.56	UTRWD	14	30.00	22	87.56
23 North Richland Hills	FTW	20	45.51	FTW	8	27.19	17	72.70
24 Plano	NTMWD	1	26.95	NTMWD	22	42.06	15	69.01
25 Prosper	NTMWD	24	50.81	NTMWD	12	29.31	20	80.12
26 Richardson	NTMWD	12	36.50	GARLAND	5	23.80	8	60.30
27 Rowlett	NTMWD	19	44.50	GARLAND	25	46.25	23	90.75
28 Sanger	UTRWD	15	37.65	UTRWD	14	30.00	13	67.65
29 Southlake	FTW	22	50.36	TRA	24	44.16	24	94.52

City of Celina, Texas Report on Water & Wastewater Rates



Figure 1
Comparison of Selected Cities
Combined Residential 5/8 x 3/4 inch Water/Wastewater Average Monthly Bill
Water Bills, 10,000 Gallons per Month,
Wastewater Bills, 8,000 Gallons per Month

2010



2010



**SIGN
& DATE**

City of Celina, Texas

Report on Water & Wastewater Rates



The following table compares the average combined monthly non-residential water and wastewater bills of selected utilities. The chart that follows shows the results graphically.

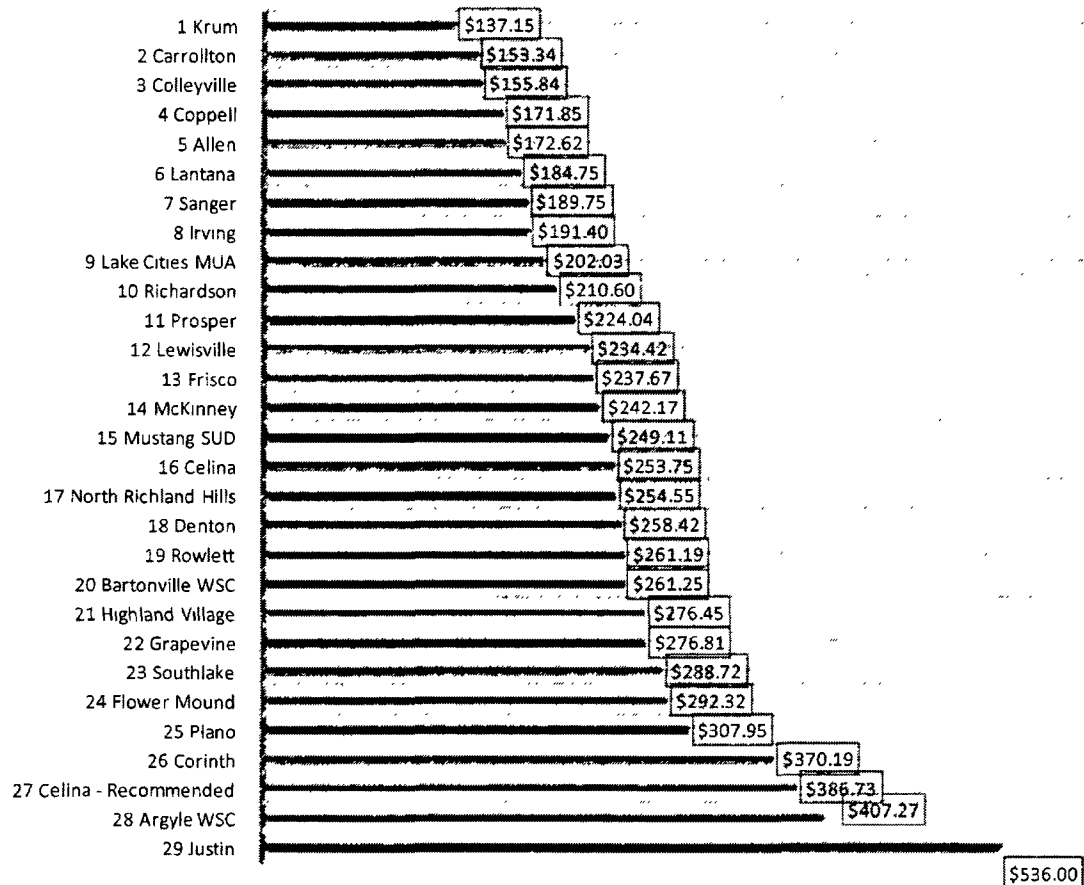
Table 1.11
Combined Water & Wastewater Average Monthly Bill
Commercial 3/4 Inch Meter

	Water			Wastewater			Combined	
	Provider	Rank	\$	Provider	Rank	\$	Rank	\$
Avg. Monthly Consumption			30,000			30,000		
1 Allen	NTMWD	6	104.92	NTMWD	7	67.71	5	172.62
2 Argyle WSC	TRA	28	304.86	UTRWD	17	102.41	28	407.27
3 Bartonville WSC	UTRWD	27	261.25	UTRWD	1		20	261.25
4 Carrollton	DWU	3	85.23	TRA	8	68.11	2	153.34
5 Celina	UTRWD	16	147.60	UTRWD	20	106.15	16	253.75
6 Celina - Recommended	UTRWD	24	205.64	UTRWD	29	181.09	27	386.73
7 Colleyville	FTW	4	96.28	FTW	3	59.56	3	155.84
8 Coppell	DWU	7	107.65	TRA	5	64.20	4	171.85
9 Corinth	UTRWD	25	210.80	UTRWD	27	159.39	26	370.19
10 Denton	DENTON	15	144.60	DENTON	23	113.82	18	258.42
11 Flower Mound	UTRWD/DWU	23	190.02	FLOWER MOUND	16	102.30	24	292.32
12 Frisco	NTMWD	17	152.27	NTMWD	12	85.40	13	237.67
13 Grapevine	FTW	21	174.01	TRA	18	102.80	22	276.81
14 Highland Village	UTRWD	11	115.95	UTRWD	28	160.50	21	276.45
15 Irving	DWJ	10	114.46	TRA	9	76.94	8	191.40
16 Justin	UTRWD	29	405.00	UTRWD	25	131.00	29	536.00
17 Krum	UTRWD	1	76.15	UTRWD	4	61.00	1	137.15
18 Lake Cities MJA	UTRWD	9	108.15	UTRWD	13	93.88	9	202.03
19 Lantana	UTRWD	2	82.75	UTRWD	15	102.00	6	184.75
20 Lewisville	LEWISVILLE	13	136.86	LEWISVILLE	14	97.56	12	234.42
21 McKinney	NTMWD	14	137.13	NTMWD	19	105.04	14	242.17
22 Mustang SUD	UTRWD	26	225.61	UTRWD	2	23.50	15	249.11
23 North Richland Hills	FTW	20	172.58	FTW	10	81.97	17	254.55
24 Plano	NTMWD	19	160.53	NTMWD	26	147.42	25	307.95
25 Prosper	NTMWD	18	157.27	NTMWD	6	66.77	11	224.04
26 Richardson	NTMWD	5	101.46	GARLAND	21	109.14	10	210.60
27 Rowlett	NTMWD	12	132.22	GARLAND	24	128.97	19	261.19
28 Sanger	UTRWD	8	107.75	UTRWD	11	82.00	7	189.75
29 Southlake	FTW	22	178.56	TRA	22	110.16	23	288.72

City of Celina, Texas Report on Water & Wastewater Rates



Figure 2
Comparison of Selected Cities
Combined Commercial 3/4 Inch Water & Wastewater Bill
30,000 Gallons per Month



City of Celina, Texas Report on Water & Wastewater Rates



1.9. BENCHMARKING WITH SELECTED CITIES – MONTHLY MINIMUM BILLS:

Table 1.12 Water Monthly Minimum Bills - Residential									
Size of Meter (Inches)	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
# of Residential Meters	1,670	286	-	6	-	-	-	-	-
Allen	\$ 14.12	\$ 22.59	\$ 28.23	\$ 38.83	\$ 59.29	\$ 82.46	\$ 189.85	\$ 189.85	\$ 189.85
Argyle WSC	38.25	63.75	127.50	204.00	382.50	637.50	637.50	637.50	637.50
Bartonville WSC	32.73	54.65	108.99	174.45	327.30	327.30	327.30	327.30	327.30
Carrollton	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27
Celina	12.60	12.60	12.60	12.60	12.60	12.60	12.60	12.60	12.60
Celina - Alt 1	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68
Celina - Alt 2	39.00	97.49	194.98	311.97	584.94	974.89	1,949.78	3,899.57	9,748.92
Celina - Alt 3	14.00	35.00	70.00	112.00	210.00	350.00	700.00	1,400.00	3,500.00
Celina - Alt 4	20.00	35.00	70.00	112.00	210.00	350.00	700.00	1,400.00	3,500.00
Colleyville	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Coppell	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Corinth	32.25	32.25	65.15	100.70	210.25	330.10	660.95	1,055.85	1,510.65
Denton	10.05	13.10	16.80	19.15	19.15	19.15	19.15	19.15	19.15
Flower Mound	21.50	36.19	60.68	90.06	168.41	256.56	501.41	501.41	501.41
Frisco	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Grapevine	9.75	28.89	61.73	97.29	217.67	277.85	370.87	658.13	658.13
Highland Village	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55
Irving	7.99	9.58	13.59	19.17	30.86	43.21	75.60	95.48	138.79
Justin	22.50	40.00	95.00	260.00	260.00	260.00	260.00	260.00	260.00
Krum	10.35	10.35	10.35	10.35	10.35	10.35	10.35	10.35	10.35
Lake Cities MUA	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
Lantana	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Lewisville	13.18	19.21	36.37	60.42	129.18	225.38	500.38	885.36	1,380.31
McKinney	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Mustang SUD	28.00	35.00	45.00	73.00	275.00	350.00	525.00	525.00	525.00
North Richland Hills	9.30	15.53	15.53	49.57	49.57	195.30	434.03	434.03	434.03
Plano	15.97	15.97	70.68	111.55	220.50	343.19	683.83	1,092.60	1,569.64
Prosper	13.45	13.45	13.45	13.45	13.45	13.45	13.45	13.45	13.45
Richardson	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Rowlett	10.60	13.80	20.16	28.02	46.95	55.44	92.87	109.88	109.88
Sanger	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25
Southlake	26.60	34.45	34.45	84.15	84.15	84.15	84.15	84.15	84.15

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.13
Gallons in Water Monthly Minimum Bills - Residential

<i>Size of Meter (Inches)</i>	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
<i># of Residential Meters</i>	1,670	286	-	6	-	-	-	-	-
Allen	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Argyle WSC	-	-	-	-	-	-	-	-	-
Bartonville WSC	-	-	-	-	-	-	-	-	-
Carrollton	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 1	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 2	-	-	-	-	-	-	-	-	-
Celina - Alt 3	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 4	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Colleyville	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Coppell	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Corinth	-	-	-	-	-	-	-	-	-
Denton	-	-	-	-	-	-	-	-	-
Flower Mound	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Frisco	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Grapevine	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Highland Village	-	-	-	-	-	-	-	-	-
Irving	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Justin	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Krum	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Lake Cities MUA	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Lantana	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Lewisville	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
McKinney	-	-	-	-	-	-	-	-	-
Mustang SUD	-	-	-	-	-	-	-	-	-
North Richland Hills	-	-	-	-	-	-	-	-	-
Plano	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Prosper	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Richardson	-	-	-	-	-	-	-	-	-
Rowlett	-	-	-	-	-	-	-	-	-
Sanger	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Southlake	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.14
Wastewater Monthly Minimum Bills - Residential

<i>Size of Meter (Inches)</i>	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
<i># of Residential Meters</i>	1,670	286	-	6	-	-	-	-	-
Allen	\$ 20.79	\$ 20.79	\$ 20.79	\$ 20.79	\$ 20.79	\$ 20.79	\$ 20.79	\$ 20.79	\$ 20.79
Argyle WSC	33.81	33.81	33.81	33.81	33.81	33.81	33.81	33.81	33.81
Bartonville WSC	-	-	-	-	-	-	-	-	-
Carrollton	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34
Celina	13.75	13.75	13.75	13.75	13.75	13.75	13.75	13.75	13.75
Celina - Alt 1	26.81	26.81	26.81	26.81	26.81	26.81	26.81	26.81	26.81
Celina - Alt 2	22.85	57.14	114.27	182.84	342.82	571.37	1,142.73	2,285.46	5,713.66
Celina - Alt 3	15.00	37.50	75.00	120.00	225.00	375.00	750.00	1,500.00	3,750.00
Celina - Alt 4	20.00	37.50	75.00	120.00	225.00	375.00	750.00	1,500.00	3,750.00
Colleyville	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60
Coppell	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Corinth	21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39
Denton	7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.45
Flower Mound	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50
Frisco	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Grapevine	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80
Highland Village	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80
Irving	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64
Justin	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Krum	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
Lake Cities MUA	9.78	9.78	9.78	9.78	9.78	9.78	9.78	9.78	9.78
Lantana	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Lewisville	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96
McKinney	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Mustang SUD	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
North Richland Hills	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27
Plano	12.24	23.88	43.19	66.42	128.28	197.84	391.19	582.11	893.86
Prosper	15.45	15.45	15.45	15.45	15.45	15.45	15.45	15.45	15.45
Richardson	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Rowlett	16.17	16.17	16.17	16.17	16.17	16.17	16.17	16.17	16.17
Sanger	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Southlake	26.16	26.16	26.16	26.16	26.16	26.16	26.16	26.16	26.16

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.15

Gallons in Wastewater Monthly Minimum Bills - Residential

<i>Size of Meter (Inches)</i>	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
<i># of Residential Meters</i>	1,670	286	-	6	-	-	-	-	-
Allen	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Argyle WSC	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Bartonville WSC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carrollton	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 1	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 2	-	-	-	-	-	-	-	-	-
Celina - Alt 3	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 4	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Colleyville	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Coppell	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Corinth	-	-	-	-	-	-	-	-	-
Denton	-	-	-	-	-	-	-	-	-
Flower Mound	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Frisco	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Grapevine	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Highland Village	-	-	-	-	-	-	-	-	-
Irving	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Justin	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Krum	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Lake Cities MUA	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Lantana	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Lewisville	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
McKinney	-	-	-	-	-	-	-	-	-
Mustang SUD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
North Richland Hills	-	-	-	-	-	-	-	-	-
Plano	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Prosper	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Richardson	-	-	-	-	-	-	-	-	-
Rowlett	-	-	-	-	-	-	-	-	-
Sanger	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Southlake	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.16
Combined Water & Wastewater Monthly Minimum Bills - Residential

<i>Size of Meter (Inches)</i>	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
<i># of Residential Meters</i>	1,670	286	-	6	-	-	-	-	-
Allen	\$ 34.91	\$ 43.38	\$ 49.02	\$ 59.62	\$ 80.08	\$ 103.25	\$ 210.64	\$ 210.64	\$ 210.64
Argyle WSC	72.06	97.56	161.31	237.81	416.31	671.31	671.31	671.31	671.31
Bartonville WSC	32.73	54.65	108.99	174.45	327.30	327.30	327.30	327.30	327.30
Carrollton	19.61	19.61	19.61	19.61	19.61	19.61	19.61	19.61	19.61
Celina	26.35	26.35	26.35	26.35	26.35	26.35	26.35	26.35	26.35
Celina - Alt 1	49.49	49.49	49.49	49.49	49.49	49.49	49.49	49.49	49.49
Celina - Alt 2	61.85	154.63	309.25	494.80	927.75	1,546.26	3,092.51	6,185.03	15,462.57
Celina - Alt 3	29.00	72.50	145.00	232.00	435.00	725.00	1,450.00	2,900.00	7,250.00
Celina - Alt 4	40.00	72.50	145.00	232.00	435.00	725.00	1,450.00	2,900.00	7,250.00
Colleyville	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60
Coppell	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
Corinth	53.64	53.64	86.54	172.09	231.64	351.49	682.34	1,077.24	1,532.04
Denton	17.50	20.55	24.25	26.60	26.60	26.60	26.60	26.60	26.60
Flower Mound	37.00	51.69	76.18	105.56	183.91	272.06	516.91	516.91	516.91
Frisco	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
Grapevine	17.55	36.69	69.53	105.09	225.47	285.65	378.67	665.93	665.93
Highland Village	40.35	40.35	40.35	40.35	40.35	40.35	40.35	40.35	40.35
Irving	12.63	14.22	18.23	23.81	35.50	47.85	80.24	100.12	143.43
Justin	37.50	55.00	110.00	275.00	275.00	275.00	275.00	275.00	275.00
Krum	36.35	36.35	36.35	36.35	36.35	36.35	36.35	36.35	36.35
Lake Cities MUA	22.53	22.53	22.53	22.53	22.53	22.53	22.53	22.53	22.53
Lantana	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Lewisville	21.14	27.17	44.33	68.38	137.14	233.34	508.34	893.32	1,388.27
McKinney	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
Mustang SUD	58.00	65.00	75.00	103.00	305.00	380.00	555.00	555.00	555.00
North Richland Hills	16.57	22.80	22.80	56.84	56.84	202.57	441.30	441.30	441.30
Plano	28.21	39.85	113.87	177.97	348.78	541.03	1,075.02	1,674.71	2,463.50
Prosper	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90
Richardson	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Rowlett	26.77	29.97	36.33	44.19	63.12	71.61	109.04	126.05	126.05
Sanger	31.25	31.25	31.25	31.25	31.25	31.25	31.25	31.25	31.25
Southlake	52.76	60.61	60.61	110.31	110.31	110.31	110.31	110.31	110.31

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.17
Water Monthly Minimum Bills - Commercial

<i>Size of Meter (Inches)</i>	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
<i># of Residential Meters</i>	115	17	-	42	3	3	-	-	-
Allen	\$ 14.12	\$ 22.59	\$ 28.23	\$ 38.83	\$ 59.29	\$ 82.46	\$ 189.85	\$ 189.85	\$ 189.85
Argyle WSC	38.25	63.75	127.50	204.00	382.50	637.50	637.50	637.50	637.50
Bartonville WSC	32.73	54.65	108.99	174.45	327.30	327.30	327.30	327.30	327.30
Carrollton	10.27	15.83	25.11	36.23	65.90	99.28	192.01	303.29	433.10
Celina	14.60	14.60	14.60	14.60	14.60	14.60	14.60	14.60	14.60
Celina - Alt 1	26.28	26.28	26.28	26.28	26.28	26.28	26.28	26.28	26.28
Celina - Alt 2	39.00	97.49	194.98	311.97	584.94	974.89	1,949.78	3,899.57	9,748.92
Celina - Alt 3	14.00	35.00	70.00	112.00	210.00	350.00	700.00	1,400.00	3,500.00
Celina - Alt 4	25.00	35.00	70.00	112.00	210.00	350.00	700.00	1,400.00	3,500.00
Colleyville	12.00	12.00	12.00	12.00	12.00	12.00	17.00	12.00	12.00
Coppell	12.00	16.20	24.25	32.25	48.40	64.60	96.75	129.00	129.00
Corinth	32.25	32.25	65.15	100.70	210.25	330.10	660.95	1,055.85	1,510.65
Denton	18.40	21.95	26.05	33.60	68.24	126.20	157.60	183.34	220.42
Flower Mound	21.50	36.19	60.68	90.06	168.41	256.56	501.41	501.41	501.41
Frisco	15.27	22.68	45.39	72.19	134.08	206.08	433.20	433.20	433.20
Grapevine	9.75	28.89	61.73	97.29	217.67	277.85	370.87	658.13	658.13
Highland Village	26.85	26.85	26.85	26.85	26.85	26.85	26.85	26.85	26.85
Irving	7.99	9.58	13.59	19.17	30.86	43.21	75.60	95.48	138.79
Justin	22.50	40.00	95.00	260.00	260.00	260.00	260.00	260.00	260.00
Krum	10.35	10.35	10.35	10.35	10.35	10.35	10.35	10.35	10.35
Lake Cities MUA	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
Lantana	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Lewisville	13.18	19.21	36.37	60.42	129.18	225.38	500.38	885.36	1,380.31
McKinney	11.00	19.26	33.02	46.23	81.46	121.08	225.66	445.81	445.81
Mustang SUD	28.00	35.00	45.00	73.00	275.00	350.00	525.00	525.00	525.00
North Richland Hills	9.30	15.53	15.53	49.57	49.57	195.30	434.03	434.03	434.03
Plano	15.97	36.08	70.68	111.55	220.50	343.19	683.83	1,092.60	1,569.64
Prosper	13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58
Richardson	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Rowlett	10.60	13.80	20.16	28.02	46.95	55.44	92.87	109.88	109.88
Sanger	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
Southlake	26.60	34.45	34.45	84.15	84.15	84.15	84.15	84.15	84.15

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.18
Gallons in Water Monthly Minimum Bills - Commercial

<i>Size of Meter (Inches)</i>	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
# of Residential Meters	115	17	-	42	3	3	-	-	-
Allen	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Argyle WSC	-	-	-	-	-	-	-	-	-
Bartonville WSC	-	-	-	-	-	-	-	-	-
Carrollton	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 1	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 2	-	-	-	-	-	-	-	-	-
Celina - Alt 3	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 4	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Colleyville	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Coppell	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Corinth	-	-	-	-	-	-	-	-	-
Denton	-	-	-	-	-	-	-	-	-
Flower Mound	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Frisco	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Grapevine	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Highland Village	-	-	-	-	-	-	-	-	-
Irving	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Justin	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Krum	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Lake Cities MUA	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Lantana	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Lewisville	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
McKinney	-	-	-	-	-	-	-	-	-
Mustang SUD	-	-	-	-	-	-	-	-	-
North Richland Hills	-	-	-	-	-	-	-	-	-
Plano	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Prosper	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Richardson	-	-	-	-	-	-	-	-	-
Rowlett	-	-	-	-	-	-	-	-	-
Sanger	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Southlake	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.19
Wastewater Monthly Minimum Bills - Commercial

<i>Size of Meter (Inches)</i>	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
<i># of Residential Meters</i>	115	17	-	42	3	3	-	-	-
Allen	\$ 25.81	\$ 25.81	\$ 25.81	\$ 25.81	\$ 25.81	\$ 25.81	\$ 25.81	\$ 25.81	\$ 25.81
Argyle WSC	33.81	33.81	33.81	33.81	33.81	33.81	33.81	33.81	33.81
Bartonville WSC	-	-	-	-	-	-	-	-	-
Carrollton	9.34	13.51	20.43	28.74	50.93	75.86	145.14	228.28	325.27
Celina	13.75	13.75	13.75	13.75	13.75	13.75	13.75	13.75	13.75
Celina - Alt 1	26.81	26.81	26.81	26.81	26.81	26.81	26.81	26.81	26.81
Celina - Alt 2	22.85	57.13	114.25	182.80	342.75	571.25	1,142.50	2,285.00	5,712.50
Celina - Alt 3	15.00	37.50	75.00	120.00	225.00	375.00	750.00	1,500.00	3,750.00
Celina - Alt 4	25.00	37.50	75.00	120.00	225.00	375.00	750.00	1,500.00	3,750.00
Colleyville	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60
Coppell	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Corinth	21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39
Denton	19.47	19.47	19.47	19.47	19.47	19.47	19.47	19.47	19.47
Flower Mound	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50
Frisco	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Grapevine	11.52	11.52	11.52	11.52	11.52	11.52	11.52	11.52	11.52
Highland Village	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80
Irving	24.14	24.14	24.14	24.14	24.14	24.14	24.14	24.14	24.14
Justin	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Krum	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
Lake Cities MUA	9.78	9.78	9.78	9.78	9.78	9.78	9.78	9.78	9.78
Lantana	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Lewisville	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96
McKinney	11.00	18.04	29.76	38.21	60.75	86.09	147.12	287.90	287.90
Mustang SUD	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
North Richland Hills	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27
Plano	12.24	23.88	43.19	66.42	128.28	197.84	391.19	582.11	893.86
Prosper	16.91	16.91	16.91	16.91	16.91	16.91	16.91	16.91	16.91
Richardson	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Rowlett	16.17	16.17	16.17	16.17	16.17	16.17	16.17	16.17	16.17
Sanger	22.00	24.00	28.00	33.00	41.00	76.00	76.00	76.00	76.00
Southlake	26.16	26.16	26.16	26.16	26.16	26.16	26.16	26.16	26.16

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.20
Gallons in Wastewater Monthly Minimum Bills - Commercial

<i>Size of Meter (Inches)</i>	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
<i># of Residential Meters</i>	115	17	-	42	3	3	-	-	-
Allen	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Argyle WSC	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Bartonville WSC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carrollton	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 1	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 2	-	-	-	-	-	-	-	-	-
Celina - Alt 3	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Celina - Alt 4	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Colleyville	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Coppell	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Corinth	-	-	-	-	-	-	-	-	-
Denton	-	-	-	-	-	-	-	-	-
Flower Mound	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Frisco	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Grapevine	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Highland Village	-	-	-	-	-	-	-	-	-
Irving	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
Justin	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Krum	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Lake Cities MUA	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Lantana	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Lewisville	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
McKinney	-	-	-	-	-	-	-	-	-
Mustang SUD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
North Richland Hills	-	-	-	-	-	-	-	-	-
Plano	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Prosper	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Richardson	-	-	-	-	-	-	-	-	-
Rowlett	-	-	-	-	-	-	-	-	-
Sanger	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Southlake	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000

City of Celina, Texas Report on Water & Wastewater Rates



Table 1.21
Combined Water & Wastewater Monthly Minimum Bills - Commercial

<i>Size of Meter (Inches)</i>	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00	10.00
<i># of Residential Meters</i>	115	17	-	42	3	3	-	-	-
Allen	\$ 39.93	\$ 48.40	\$ 54.04	\$ 64.64	\$ 85.10	\$ 108.27	\$ 215.66	\$ 215.66	\$ 215.66
Argyle WSC	72.06	97.56	161.31	237.81	416.31	671.31	671.31	671.31	671.31
Bartonville WSC	32.73	54.65	108.99	174.45	327.30	327.30	327.30	327.30	327.30
Carrollton	19.61	29.34	45.54	64.97	116.83	175.14	337.15	531.57	758.37
Celina	28.35	28.35	28.35	28.35	28.35	28.35	28.35	28.35	28.35
Celina - Alt 1	53.09	53.09	53.09	53.09	53.09	53.09	53.09	53.09	53.09
Celina - Alt 2	61.85	154.61	309.23	494.77	927.69	1,546.14	3,092.28	6,184.57	15,461.42
Celina - Alt 3	29.00	72.50	145.00	232.00	435.00	725.00	1,450.00	2,900.00	7,250.00
Celina - Alt 4	50.00	72.50	145.00	232.00	435.00	725.00	1,450.00	2,900.00	7,250.00
Colleyville	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60
Coppell	24.00	28.20	36.25	44.25	60.40	76.60	108.75	141.00	141.00
Corinth	53.64	53.64	86.54	122.09	231.64	351.49	682.34	1,077.24	1,532.04
Denton	37.87	41.42	45.52	53.07	87.71	145.67	177.07	202.81	239.89
Flower Mound	37.00	51.69	76.18	105.56	183.91	272.06	516.91	516.91	516.91
Frisco	29.27	36.68	59.39	86.19	148.08	220.08	447.20	447.20	447.20
Grapevine	21.27	40.41	73.25	108.81	229.19	289.37	382.39	669.65	669.65
Highland Village	42.65	42.65	42.65	42.65	42.65	42.65	42.65	42.65	42.65
Irving	32.13	33.72	37.73	43.31	55.00	67.35	99.74	119.62	162.93
Justin	37.50	55.00	110.00	275.00	275.00	275.00	275.00	275.00	275.00
Krum	36.35	36.35	36.35	36.35	36.35	36.35	36.35	36.35	36.35
Lake Cities MUA	22.53	22.53	22.53	22.53	22.53	22.53	22.53	22.53	22.53
Lantana	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Lewisville	21.14	27.17	44.33	68.38	137.14	233.34	508.34	893.32	1,388.27
McKinney	22.00	37.30	62.78	84.44	142.21	207.17	372.78	733.71	733.71
Mustang SUD	51.50	58.50	68.50	96.50	298.50	373.50	548.50	548.50	548.50
North Richland Hills	16.57	22.80	22.80	56.84	56.84	202.57	441.30	441.30	441.30
Plano	28.21	59.96	113.87	177.97	348.78	541.03	1,075.02	1,674.71	2,463.50
Prosper	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49
Richardson	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Rowlett	26.77	29.97	36.33	44.19	63.12	71.61	109.04	126.05	126.05
Sanger	40.00	42.00	46.00	51.00	59.00	94.00	94.00	94.00	94.00
Southlake	52.76	60.61	60.61	110.31	110.31	110.31	110.31	110.31	110.31

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1.10. CONCLUSIONS:

The following conclusions can be drawn from our analysis.

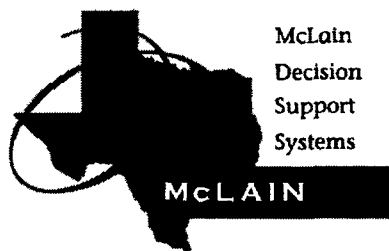
- The adoption of any of the four rate design alternatives will collect sufficient revenues to improve and sustain a financially viable water and wastewater fund over the ten-year planning period (Tables 1.2 & 1.3), although it will take three years to get the operating reserves to 100 days;
- Rate design alternative 4 lowers the impact of increasing revenues on the average residential user in FY 2010;

1.11. RECOMMENDATION:

We recommend that the City Council adopt rate design alternative 4.

SECTION II:

IDENTIFY WATER REVENUE REQUIREMENTS



City of Celina, Texas

Report on Water & Wastewater Rates



SECTION II: IDENTIFY REVENUE REQUIREMENTS

2.1. PURPOSE OF THIS SECTION:

A ten-year financial plan has been created for the water and wastewater fund using a “bottom-up” approach. Highlights of the City’s water and wastewater costs over the planning period are presented in this section. Water and wastewater operating and maintenance costs have been calculated in considerable detail.

2.2. KEY COST OF SERVICE ASSUMPTIONS:

Water and wastewater costs were projected for the period FY 2010 through FY 2019, based on the adopted FY 2010 budget. We believe the underlying assumptions that drive the water and wastewater cost of service through the FY 2019 provide a reasonable basis for management’s forecast. However, some assumptions inevitably will not materialize as presented and anticipated events and circumstances may not occur; therefore, the actual results achieved during the forecast periods will vary from the forecast, and the variances may be material. These financial projections were based on the following essential assumptions:

- Growth;
- Additional staffing;
- Inflation;

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- **2.2.1. Growth Assumptions.** There is no assumption more critical than the growth assumptions that drive the financial plan. Table 2.1 shows that we have assumed there will be minimal growth.

Table 2.1
Key Findings
Growth - Water

Fiscal Year	Annual Additional Meters	Annual Billings			Annual Consumption Billed (Th. Gals.)
				Supports Table 2.3	
2008	N/A	N/A	N/A	N/A	N/A
2009	31	25,701	N/A	272,749	N/A
2010	30	26,061	1.4%	275,388	1.0%
2011	30	26,421	1.4%	278,037	1.0%
2012	30	26,781	1.4%	280,686	1.0%
2013	30	27,141	1.3%	283,335	0.9%
2014	30	27,501	1.3%	285,984	0.9%
2015	30	27,861	1.3%	288,632	0.9%
2016	30	28,221	1.3%	291,281	0.9%
2017	30	28,581	1.3%	293,930	0.9%
2018	30	28,941	1.3%	296,579	0.9%
2019	30	29,301	2.5%	299,228	1.8%

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Table 2.2
Key Findings
Growth - Water Billed for Wastewater

Fiscal Year	Annual Additional Meters	Annual Consumption Billed (Th. Gals.)			
		Annual Billings			
		Supports Table 2.4			
2008	N/A	N/A	N/A	N/A	N/A
2009	51	18,734	N/A	136,200	N/A
2010	30	19,094	1.9%	138,587	1.8%
2011	30	19,454	1.9%	140,970	1.7%
2012	30	19,814	1.9%	143,354	1.7%
2013	30	20,174	1.8%	145,737	1.7%
2014	30	20,534	1.8%	148,120	1.6%
2015	30	20,894	1.8%	150,503	1.6%
2016	30	21,254	1.7%	152,886	1.6%
2017	30	21,614	1.7%	155,270	1.6%
2018	30	21,974	1.7%	157,653	1.5%
2019	30	22,334	3.3%	160,036	3.1%

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- **2.2.2. Calculation of Water Lost.** Table 2.3 illustrates the calculation of two key drivers: First, we have assumed that the City would lose 20% of the water it purchased and/or pumped; second, we have assumed the City would purchase 70% of it's water from the Upper Trinity Regional Water District (UTRWD).

Table 2.3
Key Findings
Calculation of Water Volume Purchased

Fiscal Year	Water Billed	Percent of Water	Annual Water Purchased/	Percentage		Thousands of Gallons	
	(Th. Gals.)	Loss	(Th. Gals.)	Pumped	Purchased	Pumped	Purchased
	Table 2.1	(C)	(D)	(E)	(F)	(G)	(H)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	From Table 2.1		Supports Table 2.7				Supports Table 2.7
2008	278,653	20.3%	349,638	34%	66%	117,437	232,201
2009	272,749	26.3%	370,122	30%	70%	110,676	259,446
2010	275,388	20.0%	344,235	30%	70%	110,676	233,559
2011	278,037	20.0%	347,546	30%	70%	110,676	236,870
2012	280,686	20.0%	350,858	30%	70%	110,676	240,182
2013	283,335	20.0%	354,169	30%	70%	110,676	243,493
2014	285,984	20.0%	357,480	30%	70%	110,676	246,804
2015	288,632	20.0%	360,790	30%	70%	110,676	250,114
2016	291,281	20.0%	364,101	30%	70%	110,676	253,425
2017	293,930	20.0%	367,413	30%	70%	110,676	256,737
2018	296,579	20.0%	370,724	30%	70%	110,676	260,048
2019	299,228	20.0%	374,035	30%	70%	110,676	263,359

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- **2.2.3. Calculation of Inflow/Infiltration.** Table 2.4 illustrates the calculation of wastewater treatment flow, based on the amount of water billed for wastewater, and the projected inflow/infiltration. Note – this rate of inflow/infiltration compares very well with other systems, where the inflow/infiltration percentage can be as high as 40%.

Table 2.4
Key Findings
Actual & Projected Wastewater Treated (000's)

Fiscal Year	Actual				Projected			
	Waste- water Flow Treated	Water Billed For Waste- water Flow	Inflow/Infiltration Flow	As a % of Water Billed	Water Billed For Waste- water Flow	Inflow/Infiltration Flow	As a % of Water Billed	Waste- water Flow Treated
	(000's)	(000's)	(000's)	(000's)	(000's)	(000's)	(000's)	(000's)
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Supports Table 2.8	From Table 2.2				From Table 2.2		Supports Table 2.8
2008	146,914	-	133,997	=	12,917	=	9.6%	
2009	143,000	-	136,197	=	6,803	=	5.0%	
2010						138,587	x	5.0%
2011						140,970	x	5.0%
2012						143,354	x	5.0%
2013						145,737	x	5.0%
2014						148,120	x	5.0%
2015						150,503	x	5.0%
2016						152,886	x	5.0%
2017						155,270	x	5.0%
2018						157,653	x	5.0%
2019						160,036	x	5.0%
								6,923
								7,042
								7,161
								7,280
								7,399
								7,518
								7,637
								7,756
								7,875
								7,994
								145,510
								148,012
								150,515
								153,017
								155,519
								158,021
								160,523
								163,026
								165,528
								168,030

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- **2.2.4. UTRWD Water Purchase Costs.** Table 2.5 illustrates the calculation of water purchase costs. We have been told the demand charge and the volumetric rates will increase at least 5% per year, for the next ten years.

Table 2.5 Key Planning Assumptions Water Purchases <i>Upper Trinity Regional Water District</i>									
Volume Component					Demand Component				
Fiscal Year	Water Consumption Purchased (Th. Gallons)	Volume Rate per Thousand Gallons	Volumetric Costs		Annual Charge Per MGD	Annual Charge	Unknown Difference	Total Charges	
(A)	(B)	(C)	(D)	(B) x (C)	(E)	(F)	(G)	(H)	(D) + (G) + (H)
	From Table 2.3					(C) x (F)			Supports Table 2.12
2008	232,201	x \$ 0.76	= \$ 176,473		2.50	x \$ 290,000	= \$ 725,000	+ \$ (11,874)	= \$ 889,598
2009	259,446	x 0.83	= 215,340		2.50	x 308,095	= 770,238	+ (37,580)	= 947,997
2010	233,559	x 0.86	= 200,861		2.50	x 324,970	= 812,425	+ 80,775	= 1,094,061
2011	236,870	x 0.90	= 213,894		2.50	x 341,219	= 853,046	+ .	= 1,066,940
2012	240,182	x 0.95	= 227,728		2.50	x 358,279	= 895,699	+ .	= 1,123,427
2013	243,493	x 1.00	= 242,411		2.50	x 376,193	= 940,483	+ .	= 1,182,895
2014	246,804	x 1.05	= 257,993		2.50	x 395,003	= 987,508	+ .	= 1,245,501
2015	250,114	x 1.10	= 274,526		2.50	x 414,753	= 1,036,883	+ .	= 1,311,409
2016	253,425	x 1.15	= 292,068		2.50	x 435,491	= 1,088,727	+ .	= 1,380,795
2017	256,737	x 1.21	= 310,678		2.50	x 457,265	= 1,143,164	+ .	= 1,453,842
2018	260,048	x 1.27	= 330,420		2.50	x 480,129	= 1,200,322	+ .	= 1,530,741
2019	263,359	x 1.33	= 351,358		2.50	x 504,135	= 1,260,338	+ .	= 1,611,696

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- **2.2.5. Salaries & Benefits.** Table 2.6 illustrates the additional staffing is planned over the next ten years, as well as the impact on the salaries and benefits. Please note we assumed that the average salary will increase by 5% annually, and medical insurance will increase 7.5% annually.

Table 2.6 Key Findings <i>Actual & Projected Staffing & Salary Levels</i>						
Fiscal Year	Water	Waste-Water	Total	Water	Waste-Water	Total
(A)	(B)	(C)	(D)	(E)	(F)	(G)
Supports Table 2.12						
2008	N/A	N/A	N/A	\$ 184,969	\$ 80,981	N/A
2009	4.00	2.00	6.00	198,959	96,340	\$295,298
2010	4.00	2.00	6.00	204,173	105,505	309,678
2011	4.00	2.00	6.00	215,004	111,092	326,095
2012	5.00	2.00	7.00	269,682	116,980	386,663
2013	5.00	2.00	7.00	284,065	123,189	407,254
2014	5.00	3.00	8.00	299,234	177,345	476,579
2015	6.00	3.00	9.00	365,921	186,835	552,756
2016	6.00	3.00	9.00	385,556	196,846	582,402
2017	6.00	3.00	9.00	406,274	207,409	613,682
2018	7.00	3.00	10.00	487,568	218,553	706,121
2019	7.00	4.00	11.00	513,887	292,400	806,288

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- **2.2.7. All Other Operating Costs.** The following several tables illustrate the projection of costs in each operating department.

Table 2.7
Existing & Projected Operating & Maintenance Costs
Illustration of the Calculation
of Projected Electricity Costs - Water Department

Fiscal Year	Actual & Budgeted Power Costs	÷	Actual & Budgeted Water Volume Pumped/ Purchased (000's) From Table 2.3	=	Average Cost per Th. Gals. (D)	x	(1 +) Inflation Driver (E)	=	Projected Cost Per Th. Gals. (F)	x	Projected Water Volume Pumped/ Purchased (000's) From Table 2.3	=	Projected Power Costs Supports Table 2.12 (H)
(A)	(B)		(C)		(D)		(E)		(F)		(G)		(H)
2008	\$ 106,905	÷	349,638	=	\$ 0.31								
2009	194,857	÷	370,122	=	0.53								
2010	190,000	÷	344,235	=	0.55								
2011						x	3.0%	=	\$ 0.57	x	347,546	=	\$ 197,528
2012						x	3.0%	=	0.59	x	350,858	=	205,335
2013						x	3.0%	=	0.60	x	354,169	=	213,433
2014						x	3.0%	=	0.62	x	357,480	=	221,832
2015						x	3.0%	=	0.64	x	360,790	=	230,541
2016						x	3.0%	=	0.66	x	364,101	=	239,573
2017						x	3.0%	=	0.68	x	367,413	=	248,939
2018						x	3.0%	=	0.70	x	370,724	=	258,650
2019						x	3.0%	=	0.72	x	374,035	=	268,720

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Table 2.8

Existing & Projected Operating & Maintenance Costs

Illustration of the Calculation

of Projected Electricity Costs - Sewer Department

Fiscal Year	Actual & Budgeted Power Costs		Actual & Budgeted Sewer Flow Treated (000's) From Table 2.4		Average Cost per Th. Gals.		(1 +) Inflation Driver		Projected Cost Per Th. Gals.		Projected Sewer Flow Treated (000's) From Table 2.4		Projected Power Costs Supports Table 2.13
(A)	(B)	÷	(C)	=	(D)	x	(E)	=	(F)	x	(G)	=	(H)
2008	\$ 35,438	÷	146,914	=	\$ 0.24								
2009	44,275	÷	143,000	=	0.31								
2010	50,000	÷	145,510	=	0.34								
2011						x	3.0%	=	\$ 0.35	x	148,012	=	\$ 52,360
2012						x	3.0%	=	0.36	x	150,515	=	54,816
2013						x	3.0%	=	0.37	x	153,017	=	57,372
2014						x	3.0%	=	0.39	x	155,519	=	60,031
2015						x	3.0%	=	0.40	x	158,021	=	62,798
2016						x	3.0%	=	0.41	x	160,523	=	65,676
2017						x	3.0%	=	0.42	x	163,026	=	68,670
2018						x	3.0%	=	0.43	x	165,528	=	71,784
2019						x	3.0%	=	0.45	x	168,030	=	75,023

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Table 2.9
Existing & Projected Operating & Maintenance Costs
Illustration of the Calculation
of Projected Chemical Costs - Water Department

Fiscal Year	Actual & Budgeted Chemical Costs	Actual & Budgeted Water Volume Pumped/ Purchased (000's) From Table 2.3	Average Cost per Th. Gals.	(1 + Inflation Driver	Projected Cost Per Th. Gals.	Projected Water Volume Pumped/ Purchased (000's) From Table 2.3	Projected Chemical Costs Supports Table 2.12
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
2008	\$ 20,088	÷ 349,638	= \$ 0.06				
2009	14,863	÷ 370,122	= 0.04				
2010	23,000	÷ 344,235	= 0.07				
2011				x 3.0%	= \$ 0.07	x 347,546	= \$ 24,008
2012				x 3.0%	= 0.07	x 350,858	= 25,055
2013				x 3.0%	= 0.07	x 354,169	= 26,144
2014				x 3.0%	= 0.08	x 357,480	= 27,275
2015				x 3.0%	= 0.08	x 360,790	= 28,450
2016				x 3.0%	= 0.08	x 364,101	= 29,671
2017				x 3.0%	= 0.08	x 367,413	= 30,940
2018				x 3.0%	= 0.09	x 370,724	= 32,257
2019				x 3.0%	= 0.09	x 374,035	= 33,626

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Table 2.10
Existing & Projected Operating & Maintenance Costs
Illustration of the Calculation
of Projected Chemical Costs - Sewer Department

Fiscal Year	Actual & Budgeted Chemical Costs		Actual & Budgeted Sewer Flow Treated (000's) From Table 2.4	=	Average Cost per Th. Gals.	x	(1 +) Inflation Driver	=	Projected Cost Per Th. Gals.	x	Projected Sewer Flow Treated (000's) From Table 2.4	=	Projected Chemical Costs Supports
(A)	(B)	÷	(C)	=	(D)	x	(E)	=	(F)	x	(G)	=	(H)
2008	\$ 10,448	÷	146,914	=	\$ 0.07								
2009	8,982	÷	143,000	=	0.06								
2010	12,000	÷	145,510	=	0.08								
2011						x	3.0%	=	\$ 0.09	x	148,012	=	\$ 12,586
2012						x	3.0%	=	0.09	x	150,515	=	13,197
2013						x	3.0%	=	0.09	x	153,017	=	13,832
2014						x	3.0%	=	0.09	x	155,519	=	14,494
2015						x	3.0%	=	0.10	x	158,021	=	15,183
2016						x	3.0%	=	0.10	x	160,523	=	15,900
2017						x	3.0%	=	0.10	x	163,026	=	16,647
2018						x	3.0%	=	0.11	x	165,528	=	17,423
2019						x	3.0%	=	0.11	x	168,030	=	18,231

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Table 2.11
Existing & Projected Operating & Maintenance Costs
Illustration of the Calculation
of Projected Postage Costs - Water Department

Fiscal Year	Actual & Budgeted Postage Costs		Actual & Budgeted Annual Billings From Table 2.1		Average Cost per Th. Gals.		(1 +) Inflation Driver		Projected Cost Per Th. Gals.		Projected Annual Billings From Table 2.1		Projected Postage Costs Supports Table 2.12
(A)	(B)	÷	(C)	=	(D)	x	(E)	=	(F)	x	(G)	=	(H)
2008	\$ 15,834	÷	N/A	=	N/A								
2009	19,098	÷	25,701	=	0.74								
2010	20,000	÷	26,061	=	0.77								
2011						x	3.0%	=	\$ 0.79	x	26,421	=	\$ 20,876
2012						x	3.0%	=	0.81	x	26,781	=	21,787
2013						x	3.0%	=	0.84	x	27,141	=	22,733
2014						x	3.0%	=	0.86	x	27,501	=	23,717
2015						x	3.0%	=	0.89	x	27,861	=	24,739
2016						x	3.0%	=	0.91	x	28,221	=	25,801
2017						x	3.0%	=	0.94	x	28,581	=	26,904
2018						x	3.0%	=	0.97	x	28,941	=	28,050
2019						x	3.0%	=	1.00	x	29,301	=	29,240

It should be noted that this also includes the cost to prepare and print the bills.

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Table 2.12
Key Findings
Recap of Operating Department Costs - Water

Fiscal Year	UTRWD Water Purchases	Salaries & Benefits	Electricity	Chemicals	Postage	Water Meters	All Other Water Costs	Total	% Change
	From Table 2.5	From Table 2.6	From Table 2.7	From Table 2.9	From Table 2.11			Supports Table 2.14	
2008	\$ 889,598	\$ 184,969	\$ 106,905	\$ 20,088	\$ 15,834	\$ 546	\$ 222,045	\$ 1,439,986	N/A
2009	947,997	198,959	194,857	14,863	19,098	23,923	77,885	1,477,582	2.6%
2010	1,094,061	204,173	190,000	23,000	20,000	51,700	103,670	1,686,604	14.1%
2011	1,066,940	215,004	197,528	24,008	20,876	53,251	106,780	1,684,387	-0.1%
2012	1,123,427	269,682	205,335	25,055	21,787	54,849	109,984	1,810,118	7.5%
2013	1,182,895	284,065	213,433	26,144	22,733	56,494	113,283	1,899,047	4.9%
2014	1,245,501	299,234	221,832	27,275	23,717	58,189	116,681	1,992,428	4.9%
2015	1,311,409	365,921	230,541	28,450	24,739	59,934	120,182	2,141,175	7.5%
2016	1,380,795	385,556	239,573	29,671	25,801	61,733	123,787	2,246,916	4.9%
2017	1,453,842	406,274	248,939	30,940	26,904	63,584	127,501	2,357,984	4.9%
2018	1,530,741	487,568	258,650	32,257	28,050	65,492	131,326	2,534,085	7.5%
2019	1,611,696	513,887	268,720	33,626	29,240	67,457	135,266	2,659,893	5.0%

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Table 2.13
Key Findings
Recap of Operating Department Costs - Sewer

Fiscal Year	UTRWD Waste- water Treatment	Salaries & Benefits	Electricity	Chemicals	All Other Sewer Costs	Total	% Change
	From Table 2.6	From Table 2.6	From Table 2.8	From Table 2.10		Supports Table 2.14	
2008	\$ -	\$ 80,981	\$ 35,438	\$ 10,448	\$ 241,139	\$ 368,006	N/A
2009	223,675	96,340	44,275	8,982	92,891	466,163	26.7%
2010	229,800	105,505	50,000	12,000	64,800	462,105	-0.9%
2011	368,550	111,092	52,360	12,586	66,744	611,332	32.3%
2012	379,607	116,980	54,816	13,197	68,746	633,346	3.6%
2013	390,995	123,189	57,372	13,832	70,809	656,196	3.6%
2014	402,725	177,345	60,031	14,494	72,933	727,527	10.9%
2015	414,806	186,835	62,798	15,183	75,121	754,743	3.7%
2016	427,250	196,846	65,676	15,900	77,375	783,048	3.8%
2017	440,068	207,409	68,670	16,647	79,696	812,489	3.8%
2018	453,270	218,553	71,784	17,423	82,087	843,117	3.8%
2019	466,868	292,400	75,023	18,231	84,549	937,072	11.1%

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Table 2.14
Key Findings
Recap of Operating Department Costs

Fiscal Year	Water Department	Sewer Department	Garbage Contract	Total
	From Table 2.12	From Table 2.13		Supports Table 2.21
2008	\$ 1,439,986	\$ 368,006	\$ 198,115	\$ 2,006,107
2009	1,477,582	466,163	213,784	2,157,528
2010	1,686,604	462,105	297,780	2,446,489
2011	1,684,387	611,332	310,827	2,606,545
2012	1,810,118	633,346	324,387	2,767,851
2013	1,899,047	656,196	338,479	2,893,722
2014	1,992,428	727,527	353,123	3,073,079
2015	2,141,175	754,743	368,339	3,264,258
2016	2,246,916	783,048	384,149	3,414,112
2017	2,357,984	812,489	400,574	3,571,047
2018	2,534,085	843,117	417,636	3,794,839
2019	2,659,893	937,072	435,360	4,032,326

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- **2.2.8. Existing debt.** The following tables show the principal and interest payments incorporated into the cost of service.

Table 2.15 Key Findings <i>Recap of Existing Water & Wastewater Debt Service Payments</i>								
Fiscal Year	C.O. Series 1998 \$ 1,500,000	C.O. Series 2001 \$ 440,000	Refunding Series 2001 \$ 1,595,000	C.O. Series 2003 \$ 5,680,000	C.O. Series 2004 \$ 7,055,000	Refunding Series 2007 \$ 3,120,000	C.O. Series 2007 \$ 4,480,000	Total
								Supports Table 2.20
2008	\$ 61,758	\$ 18,765	\$ 8,217	\$ 444,818	\$ 28,714	\$ 156,262	\$ 93,682	\$ 812,216
2009	62,092	18,765	52,839	447,468	28,742	150,192	302,303	1,062,400
2010	62,790	18,765	50,775	439,818	28,742	151,493	223,315	975,697
2011	-	18,765	52,088	441,785	28,714	217,683	228,943	987,978
2012	-	18,765	12,048	442,841	28,657	259,124	229,218	990,654
2013	-	18,765	11,533	448,216	28,854	258,826	229,358	995,552
2014	-	18,765	11,018	442,704	28,728	261,834	229,178	992,226
2015	-	28,765	3,613	441,641	28,854	257,155	228,763	988,791
2016	-	38,240	-	444,823	28,657	263,162	233,108	1,007,989
2017	-	57,165	-	442,423	28,753	246,876	232,060	1,007,277
2018	-	54,965	-	444,223	28,652	248,963	230,760	1,007,562
2019	-	87,765	-	445,078	28,826	222,010	233,988	1,017,666

Note the drop in payments in FY 2010 reflects the refunding.

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Table 2.16

Key Findings

Recap of Existing Water Only Debt Service Payments

Fiscal Year	C.O. Series 1998 \$ 1,500,000	C.O. Series 2001 \$ 440,000	Refunding Series 2001 \$ 1,595,000	C.O. Series 2003 \$ 5,680,000	C.O. Series 2004 \$ 7,055,000	Refunding Series 2007 \$ 3,120,000	C.O. Series 2007 \$ 4,480,000	Total
2008	\$ 41,174	\$ 12,510	\$ 5,478	\$ 296,545	\$ 19,142	\$ 104,175	\$ -	\$ 479,024
2009	41,397	12,510	35,226	298,312	19,161	100,128	-	506,734
2010	41,862	12,510	33,850	293,212	19,161	100,995	-	501,590
2011	-	12,510	34,725	294,523	19,142	145,122	-	506,023
2012	-	12,510	8,032	295,228	19,105	172,750	-	507,624
2013	-	12,510	7,689	298,811	19,236	172,551	-	510,796
2014	-	12,510	7,346	295,136	19,152	174,556	-	508,699
2015	-	19,177	2,408	294,428	19,236	171,437	-	506,685
2016	-	25,493	-	296,548	19,105	175,441	-	516,588
2017	-	38,110	-	294,948	19,169	164,584	-	516,811
2018	-	36,643	-	296,148	19,101	165,975	-	517,868
2019	-	58,510	-	296,718	19,217	148,007	-	522,452

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Table 2.17

Key Findings

Recap of Existing Wastewater Only Debt Service Payments

Fiscal Year	C.O. Series 1998 \$ 1,500,000	C.O. Series 2001 \$ 440,000	Refunding Series 2001 \$ 1,595,000	C.O. Series 2003 \$ 5,680,000	C.O. Series 2004 \$ 7,055,000	Refunding Series 2007 \$ 3,120,000	C.O. Series 2007 \$ 4,480,000	Total
2008	\$ 20,584	\$ 6,255	\$ 2,739	\$ 148,272	\$ 9,571	\$ 52,087	\$ 93,682	\$ 333,191
2009	20,695	6,255	17,613	149,156	9,581	50,064	302,303	555,666
2010	20,928	6,255	16,925	146,606	9,581	50,498	223,315	474,107
2011	-	6,255	17,363	147,262	9,571	72,561	228,943	481,954
2012	-	6,255	4,016	147,614	9,552	86,375	229,218	483,030
2013	-	6,255	3,844	149,405	9,618	86,275	229,358	484,756
2014	-	6,255	3,673	147,568	9,576	87,278	229,178	483,527
2015	-	9,588	1,204	147,214	9,618	85,718	228,763	482,105
2016	-	12,747	-	148,274	9,552	87,721	233,108	491,401
2017	-	19,055	-	147,474	9,584	82,292	232,060	490,466
2018	-	18,322	-	148,074	9,551	82,988	230,760	489,694
2019	-	29,255	-	148,359	9,609	74,003	233,988	495,214

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- **2.2.9. Planned debt.** Currently, we do not have any planned debt issue incorporated into the cost of service. Rather, we have incorporated the transfers to the infrastructure renewal and replacement fund.

Table 2.18
Key Findings
Transfer to the General Fund - Indirect Costs

Fiscal Year	Transfer to General Fund		
	Water	Sewer	Total
			Supports Table 2.20
2008	\$ 200,000	\$ 100,000	\$ 300,000
2009	200,000	100,000	300,000
2010	125,000	-	125,000
2011	110,000	75,000	185,000
2012	113,300	77,250	190,550
2013	116,699	79,568	196,267
2014	120,200	81,955	202,154
2015	123,806	84,413	208,219
2016	127,520	86,946	214,466
2017	131,346	89,554	220,900
2018	135,286	92,241	227,527
2019	139,345	95,008	234,352

- **2.2.10. Transfer to General Fund.** As part of this study, we performed an indirect cost plan. One of the products of the indirect cost plan is the amount that the water and wastewater fund should reimburse the general fund for general and administrative costs. We identified these amounts as \$110,000 for water and \$75,000 for wastewater. Unfortunately, this total amount of \$185,000 is far short of the \$325,000 currently budgeted. However, it is common to also charge the water and wastewater fund a franchise fee.

City of Celina, Texas Report on Water & Wastewater Rates



- **2.2.12. Franchise Fees.** Table 2.19 shows the projection of franchise fees.

Table 2.19
Key Findings
Illustration of the
Calculation of the Franchise Fee

Fiscal Year	Combined Water & Wastewater Revenues	x	Fee Percentage	=	Franchise Fee
					Supports Table 2.20
2008	\$ 2,145,123	x	N/A	=	\$ -
2009	2,130,230	x	N/A	=	-
2010	3,452,015	x	N/A	=	-
2011	4,237,417	x	4.00%	=	138,081
2012	4,371,861	x	6.00%	=	254,245
2013	4,421,227	x	6.00%	=	262,312
2014	4,470,592	x	6.00%	=	265,274
2015	4,519,949	x	6.00%	=	268,236
2016	4,569,315	x	6.00%	=	271,197
2017	4,618,687	x	6.00%	=	274,159
2018	4,668,052	x	6.00%	=	277,121
2019	4,717,418	x	6.00%	=	280,083

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Table 2.20
Key Findings
Recap of Non-Operating Costs

Fiscal Year	Existing Debt	Indirect Costs	Transfer To R&R Fund	Franchise Fee	Total
	From Table 2.15	From Table 2.18	From Table 2.19	From Table 2.19	Supports Table 2.21
2008	\$ 812,216	\$ 300,000	N/A	\$ -	\$ 1,112,216
2009	1,062,400	300,000	N/A	-	1,362,400
2010	975,697	125,000	N/A	-	1,100,697
2011	987,978	185,000	-	138,081	1,311,058
2012	990,654	190,550	-	254,245	1,435,449
2013	995,552	196,267	-	262,312	1,454,130
2014	992,226	202,154	-	265,274	1,459,654
2015	988,791	208,219	-	268,236	1,465,245
2016	1,007,989	214,466	-	271,197	1,493,652
2017	1,007,277	220,900	-	274,159	1,502,335
2018	1,007,562	227,527	-	277,121	1,512,210
2019	1,017,666	234,352	-	280,083	1,532,102

City of Celina, Texas
Report on Water & Wastewater Rates



Table 2.21
Key Findings
Recap of Gross Cost of Service

Fiscal Year	Operating & Maintenance Costs	Non- Operating Costs	Total
	From	From	Supports
	Table 2.14	Table 2.20	Table 2.25
2008	\$ 2,006,107	\$ 1,112,216	\$ 3,118,322
2009	2,157,528	1,362,400	3,519,928
2010	2,446,489	1,100,697	3,547,186
2011	2,606,545	1,311,058	3,917,603
2012	2,767,851	1,435,449	4,203,300
2013	2,893,722	1,454,130	4,347,852
2014	3,073,079	1,459,654	4,532,733
2015	3,264,258	1,465,245	4,729,503
2016	3,414,112	1,493,652	4,907,764
2017	3,571,047	1,502,335	5,073,382
2018	3,794,839	1,512,210	5,307,049
2019	4,032,326	1,532,102	5,564,427

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- **2.2.13. Revenue offsets.** The following tables illustrate the projection of the non-rate revenues. Note – these revenues are used to reduce the revenues required from rates.

Table 2.22
Key Findings
Recap of Revenue Offsets - Fines & Fees

Fiscal Year	Water Tower Rental Fees	Water Impact Fees	Waste-Water Impact Fees	Reconnect/Disconnect Fees	Customer Service Fees	Transfer Fees	Water Taps	Sewer Taps	Total
									Supports Table 2.24
2008	\$ 25,750	\$ -	\$ -	\$ 5,960	\$ 26	\$ 1,150	\$ 50,916	\$ (400)	\$ 83,402
2009	37,250	-	-	6,600	153	1,025	18,650	-	63,678
2010	38,222	123,214	61,607	5,000	-	-	18,860	-	246,903
2011	38,222	-	-	5,000	-	-	19,121	-	62,343
2012	38,222	-	-	5,000	-	-	19,381	-	62,603
2013	38,222	-	-	5,000	-	-	19,642	-	62,864
2014	38,222	-	-	5,000	-	-	19,902	-	63,124
2015	38,222	-	-	5,000	-	-	20,163	-	63,385
2016	38,222	-	-	5,000	-	-	20,423	-	63,645
2017	38,222	-	-	5,000	-	-	20,684	-	63,906
2018	38,222	-	-	5,000	-	-	20,944	-	64,166
2019	38,222	-	-	5,000	-	-	21,205	-	64,427

City of Celina, Texas
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Table 2.23
Key Findings
Recap of Revenue Offsets - All Other Revenue Offsets

Fiscal Year	Penalties	Interest Income	Radio Read Reserve	Bond Proceeds	Miscellaneous Income	Total
						Supports Table 2.24
2008	\$ 56,953	\$ 80,606	\$ -	\$ 4,872	\$ 9,471	\$ 151,902
2009	48,519	14,920	1,972	-	1,868	67,278
2010	47,469	15,731	1,044	-	1,558	65,802
2011	91,570	19,090	1,044	-	1,558	113,261
2012	94,384	19,676	1,044	-	1,558	116,662
2013	95,461	19,901	1,044	-	1,558	117,963
2014	96,537	20,125	1,044	-	1,558	119,265
2015	97,614	20,350	1,044	-	1,558	120,565
2016	98,691	20,574	1,044	-	1,558	121,867
2017	99,767	20,799	1,044	-	1,558	123,168
2018	100,844	21,023	1,044	-	1,558	124,469
2019	101,921	21,247	1,044	-	1,558	125,770

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Table 2.24
Key Findings
Recap of Revenue Offsets

Fiscal Year	Fines & Fees	All Other Revenue Offsets	Total
	From	From	Supports
	Table 2.22	Table 2.23	Table 2.25
2008	\$ 83,402	\$ 151,902	\$ 235,304
2009	63,678	67,278	130,956
2010	246,903	65,802	312,705
2011	62,343	113,261	175,604
2012	62,603	116,662	179,265
2013	62,864	117,963	180,827
2014	63,124	119,265	182,389
2015	63,385	120,565	183,950
2016	63,645	121,867	185,512
2017	63,906	123,168	187,074
2018	64,166	124,469	188,635
2019	64,427	125,770	190,197

City of Celina, Texas
Report on Water & Wastewater Rates



Table 2.25
Key Findings
Calculation of Net Revenues

Fiscal Year	Gross Cost of Service	-	Revenue Offsets	=	Net Cost of Service	% Change
	From Table 2.21		From Table 2.24			
2008	\$ 3,118,322	-	\$ 235,304	=	\$ 2,883,018	N/A
2009	3,519,928	-	130,956	=	3,388,972	17.5%
2010	3,547,186	-	312,705	=	3,234,481	-4.6%
2011	3,917,603	-	175,604	=	3,742,000	15.7%
2012	4,203,300	-	179,265	=	4,024,035	7.5%
2013	4,347,852	-	180,827	=	4,167,025	3.6%
2014	4,532,733	-	182,389	=	4,350,344	4.4%
2015	4,729,503	-	183,950	=	4,545,553	4.5%
2016	4,907,764	-	185,512	=	4,722,252	3.9%
2017	5,073,382	-	187,074	=	4,886,308	3.5%
2018	5,307,049	-	188,635	=	5,118,413	4.8%
2019	5,564,427	-	190,197	=	5,374,230	5.0%

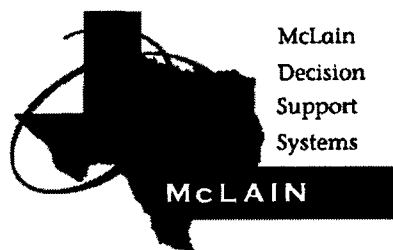
SECTION III:

ILLUSTRATION OF THE

RATE DESIGN ALTERNATIVES

OVER THE TEN-YEAR PLANNING

PERIOD





SECTION III: ILLUSTRATION OF THE RATE DESIGN ALTERNATIVES OVER THE TEN-YEAR PLANNING PERIOD

3.1. INTRODUCTION:

The following tables (beginning on next page) will illustrate to the reader the water and wastewater rate design alternatives over the ten-year planning period.

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.1

Rate Design Alternatives - Water
Rate Design Alternative 1 (Across-the-Board Increase)
Monthly Minimum Bills

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1 Outside to Inside Ratio	1.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
2										
3 Residential Inside:										
4 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
5 5/8 x 3/4 Inch	\$ 12.60	\$ 19.03	\$ 21.59	\$ 22.89	\$ 23.81	\$ 23.81	\$ 23.81	\$ 24.52	\$ 25.01	\$ 25.51
6 1 Inch	12.60	19.03	21.59	22.89	23.81	23.81	23.81	24.52	25.01	25.51
7 2 Inch	12.60	19.03	21.59	22.89	23.81	23.81	23.81	24.52	25.01	25.51
8										
9 Residential Outside:										
10 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
11 5/8 x 3/4 Inch	\$ 18.90	\$ 28.54	\$ 32.39	\$ 34.34	\$ 35.71	\$ 35.71	\$ 35.71	\$ 36.78	\$ 37.52	\$ 38.27
12 1 Inch	18.90	28.54	32.39	34.34	35.71	35.71	35.71	36.78	37.52	38.27
13 2 Inch	18.90	28.54	32.39	34.34	35.71	35.71	35.71	36.78	37.52	38.27
14										
15 Commercial Inside:										
16 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
17 5/8 x 3/4 Inch	\$ 14.60	\$ 22.05	\$ 25.02	\$ 26.52	\$ 27.58	\$ 27.58	\$ 27.58	\$ 28.41	\$ 28.98	\$ 29.56
18 1 Inch	14.60	22.05	25.02	26.52	27.58	27.58	27.58	28.41	28.98	29.56
19 2 Inch	14.60	22.05	25.02	26.52	27.58	27.58	27.58	28.41	28.98	29.56
20 3 Inch	14.60	22.05	25.02	26.52	27.58	27.58	27.58	28.41	28.98	29.56
21 4 Inch	14.60	22.05	25.02	26.52	27.58	27.58	27.58	28.41	28.98	29.56
22										
23 Commercial Outside:										
24 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
25 5/8 x 3/4 Inch	\$ 21.90	\$ 33.07	\$ 37.53	\$ 39.79	\$ 41.38	\$ 41.38	\$ 41.38	\$ 42.62	\$ 43.47	\$ 44.34
26 1 Inch	21.90	33.07	37.53	39.79	41.38	41.38	41.38	42.62	43.47	44.34
27 2 Inch	21.90	33.07	37.53	39.79	41.38	41.38	41.38	42.62	43.47	44.34
28										
29 Commercial (No Charge):										
30 Gallons in Minimum Bill										
31 2 Inch										
32 Apartments (Per Dwelling Unit):										
33 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
34 5/8 x 3/4 Inch	\$ 12.60	\$ 19.03	\$ 21.59	\$ 22.89	\$ 23.81	\$ 23.81	\$ 23.81	\$ 24.52	\$ 25.01	\$ 25.51
35 2 Inch	12.60	19.03	21.59	22.89	23.81	23.81	23.81	24.52	25.01	25.51
36										
37 Apartments (No Charge):										
38 Gallons in Minimum Bill										
39 2 Inch										

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.1 (Continued)
Rate Design Alternatives - Water
Rate Design Alternative 1 (Across-the-Board Increase)
Monthly Minimum Bills

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
40 <u>City Meters (No Charge):</u>											
41 Gallons in Minumum Bill	-	-	-	-	-	-	-	-	-	-	-
42 5/8 x 3/4 Inch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43 1 Inch	-	-	-	-	-	-	-	-	-	-	-
44 2 Inch	-	-	-	-	-	-	-	-	-	-	-
45											
46 <u>Sprinkler Meters - Residential:</u>											
47 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
48 5/8 x 3/4 Inch	\$ 12.60	\$ 19.03	\$ 21.59	\$ 22.89	\$ 23.81	\$ 23.81	\$ 23.81	\$ 23.81	\$ 24.52	\$ 25.01	\$ 25.51
49 1 Inch	12.60	19.03	21.59	22.89	23.81	23.81	23.81	23.81	24.52	25.01	25.51
50 2 Inch	12.60	19.03	21.59	22.89	23.81	23.81	23.81	23.81	24.52	25.01	25.51
51											
52 <u>Sprinkler Meters - Commercial:</u>											
53 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
54 5/8 x 3/4 Inch	\$ 14.60	\$ 22.05	\$ 25.02	\$ 26.52	\$ 27.58	\$ 27.58	\$ 27.58	\$ 27.58	\$ 28.41	\$ 28.98	\$ 29.56
55 1 Inch	14.60	22.05	25.02	26.52	27.58	27.58	27.58	27.58	28.41	28.98	29.56
56 2 Inch	14.60	22.05	25.02	26.52	27.58	27.58	27.58	27.58	28.41	28.98	29.56
57											
58 <u>Hydrant:</u>											
59 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
60 2 Inch	-	-	-	-	-	-	-	-	-	-	-
61 3 Inch	-	-	-	-	-	-	-	-	-	-	-
62											
63											
64											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.1 (Continued)
Rate Design Alternatives - Water
Rate Design Alternative 1 (Across-the-Board Increase)
Volumetric Rates

	Existing	Revised 2010	Planned 2011	Planned 2012	Planned 2013	Planned 2014	Planned 2015	Planned 2016	Planned 2017	Planned 2018	Planned 2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Outside to Inside Ratio	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,001 - 2,000											
2,001 - 5,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
5,001 - 10,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
10,001 - 15,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
15,001 - 20,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
20,001 - 25,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
25,001 - 30,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
30,001 - 240,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
Over 240,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
Residential Inside											
0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,001 - 2,000											
2,001 - 5,000	7.13	10.77	12.22	12.95	13.47	13.47	13.47	13.47	13.88	14.15	14.44
5,001 - 10,000	7.13	10.77	12.22	12.95	13.47	13.47	13.47	13.47	13.88	14.15	14.44
10,001 - 15,000	7.13	10.77	12.22	12.95	13.47	13.47	13.47	13.47	13.88	14.15	14.44
15,001 - 20,000	10.13	15.30	17.36	18.40	19.14	19.14	19.14	19.14	19.71	20.11	20.51
20,001 - 25,000	10.13	15.30	17.36	18.40	19.14	19.14	19.14	19.14	19.71	20.11	20.51
25,001 - 30,000	10.13	15.30	17.36	18.40	19.14	19.14	19.14	19.14	19.71	20.11	20.51
30,001 - 240,000	10.13	15.30	17.36	18.40	19.14	19.14	19.14	19.14	19.71	20.11	20.51
Over 240,000	10.13	15.30	17.36	18.40	19.14	19.14	19.14	19.14	19.71	20.11	20.51
Residential Outside											
0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,001 - 2,000											
2,001 - 5,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
5,001 - 10,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
10,001 - 15,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
15,001 - 20,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
20,001 - 25,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
25,001 - 30,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
30,001 - 240,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
Over 240,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
Commercial Inside											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.1 (Continued)
Rate Design Alternatives - Water
Rate Design Alternative 1 (Across-the-Board Increase)
Volumetric Rates

	Existing	Revised 2010	Planned 2011	Planned 2012	Planned 2013	Planned 2014	Planned 2015	Planned 2016	Planned 2016	Planned 2017	Planned 2018	Planned 2019
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.12												
1.13	0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1.14	1,001 - 2,000											
1.15	2,001 - 5,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.16	5,001 - 10,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.17	10,001 - 15,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.18	15,001 - 20,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.19	20,001 - 25,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.20	25,001 - 30,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.21	30,001 - 240,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.22	Over 240,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
1.23	Commercial Outside											
1.24												
1.25	0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1.26	1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
1.27	2,001 - 5,000	-	-	-	-	-	-	-	-	-	-	-
1.28	5,001 - 10,000	-	-	-	-	-	-	-	-	-	-	-
1.29	10,001 - 15,000	-	-	-	-	-	-	-	-	-	-	-
1.30	15,001 - 20,000	-	-	-	-	-	-	-	-	-	-	-
1.31	20,001 - 25,000	-	-	-	-	-	-	-	-	-	-	-
1.32	25,001 - 30,000	-	-	-	-	-	-	-	-	-	-	-
1.33	30,001 - 240,000	-	-	-	-	-	-	-	-	-	-	-
1.34	Over 240,000	-	-	-	-	-	-	-	-	-	-	-
1.35	Commercial - No Charge											
1.36												
1.37	0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1.38	1,001 - 2,000											
1.39	2,001 - 5,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.40	5,001 - 10,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.41	10,001 - 15,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	8.97	9.24	9.43	9.62
1.42	15,001 - 20,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
1.43	20,001 - 25,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
1.44	25,001 - 30,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
1.45	30,001 - 240,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
1.46	Over 240,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	12.75	13.14	13.40	13.67
1.47	Apartments											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.1 (Continued)
Rate Design Alternatives - Water
Rate Design Alternative 1 (Across-the-Board Increase)
Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1,001 - 2,000										
2,001 - 5,000										
5,001 - 10,000										
10,001 - 15,000										
15,001 - 20,000										
20,001 - 25,000										
25,001 - 30,000										
30,001 - 240,000										
Over 240,000										
Apts - No Charge										
0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1,001 - 2,000										
2,001 - 5,000										
5,001 - 10,000										
10,001 - 15,000										
15,001 - 20,000										
20,001 - 25,000										
25,001 - 30,000										
30,001 - 240,000										
Over 240,000										
City - No Charge										
0 - 1,000	\$ 25.00	\$ 37.75	\$ 42.85	\$ 45.42	\$ 47.23	\$ 47.23	\$ 47.23	\$ 47.23	\$ 48.65	\$ 49.62
1,001 - 2,000	25.00	37.75	42.85	45.42	47.23	47.23	47.23	47.23	48.65	49.62
2,001 - 5,000	7.50	11.33	12.85	13.63	14.17	14.17	14.17	14.17	14.60	14.89
5,001 - 10,000	7.50	11.33	12.85	13.63	14.17	14.17	14.17	14.17	14.60	14.89
10,001 - 15,000	7.50	11.33	12.85	13.63	14.17	14.17	14.17	14.17	14.60	14.89
15,001 - 20,000	7.50	11.33	12.85	13.63	14.17	14.17	14.17	14.17	14.60	14.89
20,001 - 25,000	7.50	11.33	12.85	13.63	14.17	14.17	14.17	14.17	14.60	14.89
25,001 - 30,000	7.50	11.33	12.85	13.63	14.17	14.17	14.17	14.17	14.60	14.89
30,001 - 240,000	7.50	11.33	12.85	13.63	14.17	14.17	14.17	14.17	14.60	14.89
Over 240,000	7.50	11.33	12.85	13.63	14.17	14.17	14.17	14.17	14.60	14.89
Hydrants										

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.1 (Continued)

Rate Design Alternatives - Water
Rate Design Alternative 1 (Across-the-Board Increase)
Volumetric Rates

Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
174										
175	0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$
176	1,001 - 2,000									
177	2,001 - 5,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
178	5,001 - 10,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
179	10,001 - 15,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
180	15,001 - 20,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	13.14	13.40
181	20,001 - 25,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	13.14	13.40
182	25,001 - 30,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	13.14	13.40
183	30,001 - 240,000	5.75	10.19	11.57	12.26	12.75	12.75	12.75	13.14	13.40
184	Over 240,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	13.14	13.40
185	Sprinklers - Residential									
186	0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$
187	1,001 - 2,000									
188	2,001 - 5,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
189	5,001 - 10,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
190	10,001 - 15,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
191	15,001 - 20,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
192	20,001 - 25,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
193	25,001 - 30,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
194	30,001 - 240,000	4.75	7.17	8.14	8.63	8.97	8.97	8.97	9.24	9.43
195	Over 240,000	6.75	10.19	11.57	12.26	12.75	12.75	12.75	13.14	13.40
196	Sprinklers - Commercial									
197										
198	System Totals									
200	From Monthly Minimum Bill	\$ 344,030	\$ 461,775	\$ 574,017	\$ 629,531	\$ 667,154	\$ 684,273	\$ 592,843	\$ 701,413	\$ 724,275
201	From Volumetric Rates	1,242,526	1,790,285	2,079,177	2,263,277	2,386,223	2,432,543	2,452,816	2,473,098	2,547,319
202	Total Revenues Generated	\$ 1,586,556	\$ 2,252,059	\$ 2,653,194	\$ 2,892,808	\$ 3,053,377	\$ 3,116,816	\$ 3,145,659	\$ 3,174,511	\$ 3,271,594
203	Change in Revenues %		36.3%	9.6%	4.3%	2.8%			2.1%	1.4%
204	Avg. Residential 3/4 inch Mon. Bill @ 1 \$	50.60	\$ 76.41	\$ 86.72	\$ 91.92	\$ 95.60	\$ 95.60	\$ 95.60	\$ 98.47	\$ 102.44
205	Monthly Difference-\$	N/A	\$ 25.81	\$ 10.32	\$ 5.20	\$ 3.68	\$	\$	\$ 2.87	\$ 1.97
206	Monthly Difference-%	N/A	51.00%	13.50%	6.00%	4.00%	0.00%	0.00%	3.00%	2.00%
207	Avg. Commercial 3/4 inch Mon. Bill @ 1 \$	147.60	\$ 222.88	\$ 252.96	\$ 268.14	\$ 278.87	\$ 278.87	\$ 278.87	\$ 278.87	\$ 292.98
208	Monthly Difference-\$	N/A	\$ 75.28	\$ 30.09	\$ 15.18	\$ 10.79	\$	\$	\$ 5.77	\$ 5.86
209	Monthly Difference-%	N/A	51.00%	13.50%	6.00%	4.00%	0.00%	0.00%	3.00%	2.00%

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.2

Rate Design Alternatives - Water

*Rate Design Alternative 2 (Pure Cost-Based Rates, Recovers 100% of Fixed Costs in Monthly Minimum Bill)
Monthly Minimum Bills*

Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1 Outside to Inside Ratio	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2										
3 Residential Inside:										
4 Gallons in Minimum Bill	2,000									
5 5/8 x 3/4 inch	\$ 12.60	\$ 39.00	\$ 43.64	\$ 46.07	\$ 47.51	\$ 48.87	\$ 51.60	\$ 53.47	\$ 55.16	\$ 58.44
6 1 inch	12.60	97.49	109.10	115.18	118.77	122.17	129.01	133.67	137.89	146.09
7 2 inch	12.60	311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49
8										
9 Residential Outside:										
10 Gallons in Minimum Bill	2,000									
11 5/8 x 3/4 inch	\$ 18.90	\$ 30.00	\$ 43.64	\$ 46.07	\$ 47.51	\$ 48.87	\$ 51.60	\$ 53.47	\$ 55.16	\$ 58.44
12 1 inch	18.90	97.49	109.10	115.18	118.77	122.17	129.01	133.67	137.89	146.09
13 2 inch	18.90	311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49
14										
15 Commercial Inside:										
16 Gallons in Minimum Bill	2,000									
17 5/8 x 3/4 inch	\$ 14.30	\$ 39.00	\$ 43.64	\$ 46.07	\$ 47.51	\$ 48.87	\$ 51.60	\$ 53.47	\$ 55.16	\$ 58.44
18 1 inch	14.60	97.49	109.10	115.18	118.77	122.17	129.01	133.67	137.89	146.09
19 2 inch	14.60	311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49
20 3 inch	14.60	584.94	654.57	693.08	712.60	733.00	774.07	802.02	827.33	876.24
21 4 inch	14.60	974.89	1,090.96	1,151.80	1,187.67	1,221.66	1,290.12	1,336.69	1,378.89	1,460.89
22										
23 Commercial Outside:										
24 Gallons in Minimum Bill	2,000									
25 5/8 x 3/4 inch	\$ 21.90	\$ 39.00	\$ 43.64	\$ 46.07	\$ 47.51	\$ 48.87	\$ 51.60	\$ 53.47	\$ 55.16	\$ 58.44
26 1 inch	21.90	97.49	109.10	115.18	118.77	122.17	129.01	133.67	137.89	146.09
27 2 inch	21.90	311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49
28										
29 Commercial (No Charge):										
30 Gallons in Minimum Bill										
31 2 inch		311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49
32 Apartments (Per Meter):										
33 Gallons in Minimum Bill	2,000									
34 5/8 x 3/4 inch	\$ 12.60	\$ 39.00	\$ 43.64	\$ 46.07	\$ 47.51	\$ 48.87	\$ 51.60	\$ 53.47	\$ 55.16	\$ 58.44
35 2 inch	12.60	311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49
36										
37 Apartments (No Charge):										
38 Gallons in Minimum Bill										
39 2 inch		311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.2 (Continued)

Rate Design Alternatives - Water

Rate Design Alternative 2 (Pure Cost-Based Rates, Recovers 100% of Fixed Costs in Monthly Minimum Bill)

Monthly Minimum Bills

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(10)
40 City Meters (No Charge):											
41 Gallons in Minimum Bill	-	-	-	-	-	-	-	-	-	-	-
42 5/8 x 3/4 Inch	\$ -	\$ 39.00	\$ 43.64	\$ 46.07	\$ 47.51	\$ 48.87	\$ 51.60	\$ 53.47	\$ 55.16	\$ 58.44	\$ 60.46
43 1 Inch	-	97.49	109.10	115.18	118.77	122.17	129.01	133.67	137.89	146.09	151.15
44 2 Inch	-	311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49	483.67
45											
46 Sprinkler Meters - Residential:											
47 Gallons in Minimum Bill	2,000	-	-	-	-	-	-	-	-	-	-
48 5/8 x 3/4 Inch	\$ 12.60	\$ 39.00	\$ 43.64	\$ 46.07	\$ 47.51	\$ 48.87	\$ 51.60	\$ 53.47	\$ 55.16	\$ 58.44	\$ 60.46
49 1 Inch	12.60	97.49	109.10	115.18	118.77	122.17	129.01	133.67	137.89	146.09	151.15
50 2 Inch	12.60	311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49	483.67
51											
52 Sprinkler Meters - Commercial:											
53 Gallons in Minimum Bill	2,000	-	-	-	-	-	-	-	-	-	-
54 5/8 x 3/4 Inch	\$ 14.60	\$ 39.00	\$ 43.64	\$ 46.07	\$ 47.51	\$ 48.87	\$ 51.60	\$ 53.47	\$ 55.16	\$ 58.44	\$ 60.46
55 1 Inch	14.60	97.49	109.10	115.18	118.77	122.17	129.01	133.67	137.89	146.09	151.15
56 2 Inch	14.60	311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49	483.67
57											
58 Hydrant:											
59 Gallons in Minimum Bill	-	-	-	-	-	-	-	-	-	-	-
60 2 Inch	-	311.97	349.11	368.58	380.05	390.93	412.84	427.74	441.24	467.49	483.67
61 3 Inch	-	584.94	654.57	691.08	712.60	733.00	774.07	802.02	827.33	876.54	906.88
62											
63											
64											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.2

Rate Design Alternatives - Water

Rate Design Alternative 2 (Pure Cost-Based Rates, Recovers 100% of Fixed Costs in Monthly Minimum Bill)

Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2010	2011	2012	2013	2014	2015	2016	2017	2018
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
45 Outside to Inside Ratio	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46										
47 0 - 1,000	\$	\$	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
48 1,001 - 2,000			3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
49 2,001 - 5,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
50 5,001 - 10,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
51 10,001 - 15,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
52 15,001 - 20,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
53 20,001 - 25,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
54 25,001 - 30,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
55 30,001 - 240,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
56 Over 240,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
57 Residential Inside										
58										
59 0 - 1,000	\$	\$	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
60 1,001 - 2,000			3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
61 2,001 - 5,000	7.13	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
62 5,001 - 10,000	7.13	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
63 10,001 - 15,000	7.13	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
64 15,001 - 20,000	10.13	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
65 20,001 - 25,000	10.13	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
66 25,001 - 30,000	10.13	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
67 30,001 - 240,000	10.13	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
68 Over 240,000	10.13	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
69 Residential Outside										
70										
71 0 - 1,000	\$	\$	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
72 1,001 - 2,000			3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
73 2,001 - 5,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
74 5,001 - 10,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
75 10,001 - 15,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
76 15,001 - 20,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
77 20,001 - 25,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
78 25,001 - 30,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
79 30,001 - 240,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
80 Over 240,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
81 Commercial Inside										

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.2 (Continued)

Rate Design Alternatives - Water

Rate Design Alternative 2 (Pure Cost-Based Rates, Recovers 100% of Fixed Costs in Monthly Minimum Bill)

Volumetric Rates

Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
102										
103 0 - 1,000	\$	\$ 3.55	\$ 3.67	\$ 4.07	\$ 4.22	\$ 4.06	\$ 3.68	\$ 3.41	\$ 3.51	\$ 3.29
104 1,001 - 2,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
105 2,001 - 5,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
106 5,001 - 10,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
107 10,001 - 15,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
108 15,001 - 20,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
109 20,001 - 25,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
110 25,001 - 30,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
111 30,001 - 240,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
112 Over 240,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
113 Commercial Outside										
114										
115 0 - 1,000	\$	\$ 3.55	\$ 3.67	\$ 4.07	\$ 4.22	\$ 4.06	\$ 3.68	\$ 3.41	\$ 3.51	\$ 3.29
116 1,001 - 2,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
117 2,001 - 5,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
118 5,001 - 10,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
119 10,001 - 15,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
120 15,001 - 20,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
121 20,001 - 25,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
122 25,001 - 30,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
123 30,001 - 240,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
124 Over 240,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
125 Commercial - No Charge										
126										
127 0 - 1,000	\$	\$ 3.55	\$ 3.67	\$ 4.07	\$ 4.22	\$ 4.06	\$ 3.68	\$ 3.41	\$ 3.51	\$ 3.29
128 1,001 - 2,000	-	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
129 2,001 - 5,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
130 5,001 - 10,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
131 10,001 - 15,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
132 15,001 - 20,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
133 20,001 - 25,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
134 25,001 - 30,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
135 30,001 - 240,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
136 Over 240,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
137 Apartments										

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.2 (Continued)
Rate Design Alternatives - Water
Rate Design Alternative 2 (Pure Cost-Based Rates, Recovers 100% of Fixed Costs in Monthly Minimum Bill)
Volumetric Rates

Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
138										
139	0 - 1,000	\$ 3.55	\$ 3.67	\$ 4.07	\$ 4.22	\$ 4.06	\$ 3.68	\$ 3.41	\$ 3.51	\$ 3.29
140	1,001 - 2,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
141	2,001 - 5,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
142	5,001 - 10,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
143	10,001 - 15,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
144	15,001 - 20,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
145	20,001 - 25,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
146	25,001 - 30,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
147	30,001 - 240,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
148	Over 240,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
149	Apts - No Charge									
150										
151	0 - 1,000	\$ 3.55	\$ 3.67	\$ 4.07	\$ 4.22	\$ 4.06	\$ 3.68	\$ 3.41	\$ 3.51	\$ 3.29
152	1,001 - 2,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
153	2,001 - 5,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
154	5,001 - 10,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
155	10,001 - 15,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
156	15,001 - 20,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
157	20,001 - 25,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
158	25,001 - 30,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
159	30,001 - 240,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
160	Over 240,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
161	City - No Charge									
162										
163	0 - 1,000	\$ 25.00	\$ 3.55	\$ 3.67	\$ 4.07	\$ 4.22	\$ 4.06	\$ 3.68	\$ 3.41	\$ 3.51
164	1,001 - 2,000	25.00	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
165	2,001 - 5,000	7.50	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
166	5,001 - 10,000	7.50	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
167	10,001 - 15,000	7.50	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
168	15,001 - 20,000	7.50	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
169	20,001 - 25,000	7.50	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
170	25,001 - 30,000	7.50	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
171	30,001 - 240,000	7.50	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
172	Over 240,000	7.50	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51
173	Hydrants									

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.2 (Continued)

Rate Design Alternatives - Water

Rate Design Alternative 2 (Pure Cost-Based Rates, Recovers 100% of Fixed Costs in Monthly Minimum Bill)

Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1.7											
1.8	0 - 1,000	\$ 3.55	\$ 3.67	\$ 4.07	\$ 4.22	\$ 4.06	\$ 3.68	\$ 3.41	\$ 3.51	\$ 3.29	\$ 3.22
1.9	1,001 - 2,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29	3.22
2.0	2,001 - 5,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
2.1	5,001 - 10,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
2.2	10,001 - 15,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
2.3	15,001 - 20,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
2.4	20,001 - 25,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
2.5	25,001 - 30,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
2.6	30,001 - 240,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
2.7	Over 240,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
2.8	Sprinklers - Residential										
2.9											
3.0	0 - 1,000	\$ 3.55	\$ 3.67	\$ 4.07	\$ 4.22	\$ 4.06	\$ 3.68	\$ 3.41	\$ 3.51	\$ 3.29	\$ 3.22
3.1	1,001 - 2,000	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29	3.22
3.2	2,001 - 5,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
3.3	5,001 - 10,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
3.4	10,001 - 15,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
3.5	15,001 - 20,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
3.6	20,001 - 25,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
3.7	25,001 - 30,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
3.8	30,001 - 240,000	4.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
3.9	Over 240,000	6.75	3.55	3.67	4.07	4.22	4.06	3.68	3.41	3.51	3.29
4.0	Sprinklers - Commercial										
4.1											
4.2	System Totals										
4.3											
4.4	From Monthly Minimum Bill	\$ 344,030	\$ 1,119,773	\$ 1,642,784	\$ 1,782,711	\$ 1,869,228	\$ 1,941,691	\$ 2,051,394	\$ 2,157,579	\$ 2,248,517	\$ 2,382,469
4.5	From Volume Rates	1,242,576	1,042,286	1,010,409	1,110,096	1,184,150	1,175,125	1,094,265	1,016,992	1,029,077	994,113
4.6	Total Revenues Generated	\$ 1,586,556	\$ 2,162,059	\$ 2,653,194	\$ 2,892,808	\$ 3,053,377	\$ 3,116,816	\$ 3,145,659	\$ 3,174,571	\$ 3,277,594	\$ 3,376,582
4.7	Change in Revenues		36.3%	5.8%	5.2%	2.3%	0.1%	-0.1%	-0.1%	2.1%	1.3%
4.8											
4.9	Avg. Residential 3/4 Inch Mon. Bill @ 1 \$	33.60	\$ 74.46	\$ 80.34	\$ 86.79	\$ 89.74	\$ 89.49	\$ 88.41	\$ 87.61	\$ 90.24	\$ 91.31
5.0	Monthly Difference - \$	N/A	\$ 23.86	\$ 5.87	\$ 6.45	\$ 2.95	\$ (0.25)	\$ (1.08)	\$ (0.80)	\$ 2.63	\$ 1.08
5.1	Monthly Difference - %	N/A	47.16%	7.89%	8.03%	3.40%	-0.28%	-1.21%	-0.91%	3.00%	1.19%
5.2											
5.3	Avg. Commercial 3/4 Inch Mon. Bill @ 1 \$	147.60	\$ 145.40	\$ 153.73	\$ 168.22	\$ 174.21	\$ 170.73	\$ 172.01	\$ 155.83	\$ 160.40	\$ 157.07
5.4	Monthly Difference - \$	N/A	\$ (2.20)	\$ 8.33	\$ 14.49	\$ 5.98	\$ (3.48)	\$ (6.72)	\$ (6.13)	\$ 4.57	\$ (3.33)
5.5	Monthly Difference - %	N/A	-1.49%	5.73%	9.43%	3.56%	-2.03%	-3.91%	-3.78%	2.90%	-2.07%

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.3
Rate Design Alternatives - Water
Rate Design Alternative 3 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)
Monthly Minimum Bills

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned			
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)				
1 Outside to Inside Ratio	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50			
2 Cost-Based Monthly Minimum Bill	\$	39.00	\$	43.64	\$	47.51	\$	51.60	\$	55.16	\$	58.44	\$	60.46
3 Residential Inside:														
4 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
5 5/8 x 3/4 Inch	\$	12.60	\$	14.00	\$	15.00	\$	16.00	\$	17.00	\$	18.00	\$	19.00
6 1 Inch	12.60	35.00	37.50	40.00	42.50	45.00	47.50	50.00	52.50	55.00	57.50	60.00	62.50	65.00
7 2 Inch	12.60	112.00	120.00	128.00	136.00	144.00	152.00	160.00	168.00	176.00	184.00	192.00	200.00	208.00
8														
9 Residential Outside:														
10 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
11 5/8 x 3/4 Inch	\$	18.90	\$	21.00	\$	22.50	\$	24.00	\$	25.50	\$	27.00	\$	28.50
12 1 Inch	18.90	52.50	56.25	60.00	63.75	67.50	71.25	75.00	78.75	82.50	86.25	90.00	93.75	97.50
13 2 Inch	18.90	168.00	180.00	192.00	204.00	216.00	228.00	240.00	252.00	264.00	276.00	288.00	300.00	312.00
14														
15 Commercial Inside:														
16 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
17 5/8 x 3/4 Inch	\$	14.60	\$	14.00	\$	15.00	\$	16.00	\$	17.00	\$	18.00	\$	19.00
18 1 Inch	14.60	43.75	46.88	50.00	53.13	56.25	59.38	62.50	65.63	68.75	71.88	75.00	78.13	81.25
19 2 Inch	14.60	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00	240.00	250.00	260.00
20 3 Inch	14.60	210.00	225.00	240.00	255.00	270.00	285.00	300.00	315.00	330.00	345.00	360.00	375.00	390.00
21 4 Inch	14.60	350.00	375.00	400.00	425.00	450.00	475.00	500.00	525.00	550.00	575.00	600.00	625.00	650.00
22														
23 Commercial Outside:														
24 Gallons in Minimum Bill	7,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
25 5/8 x 3/4 Inch	\$	21.90	\$	21.00	\$	22.50	\$	24.00	\$	25.50	\$	27.00	\$	28.50
26 1 Inch	21.90	65.63	70.31	75.00	79.69	84.38	89.06	93.75	98.44	103.13	107.81	112.50	117.19	121.88
27 2 Inch	21.90	210.00	225.00	240.00	255.00	270.00	285.00	300.00	315.00	330.00	345.00	360.00	375.00	390.00
28														
29 Commercial (No Charge):														
30 Gallons in Minimum Bill	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
31 2 Inch	\$	210.00	\$	225.00	\$	240.00	\$	255.00	\$	270.00	\$	285.00	\$	300.00
32 Apartments (Per Meter):														
33 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
34 5/8 x 3/4 Inch	\$	12.60	\$	14.00	\$	15.00	\$	16.00	\$	17.00	\$	18.00	\$	19.00
35 2 Inch	12.60	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00	240.00	250.00	260.00
36														
37 Apartments (No Charge):														
38 Gallons in Minimum Bill	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
39 2 Inch	\$	140.00	\$	150.00	\$	160.00	\$	170.00	\$	180.00	\$	190.00	\$	200.00

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.3 (Continued)

Rate Design Alternatives - Water

Rate Design Alternative 3 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)

Monthly Minimum Bills

		Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
40	<u>City Meters (No Charge):</u>											
41	Gallons in Minumum Bill	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
42	5/8 x 3/4 Inch	\$ -	\$ 14.00	\$ 15.00	\$ 16.00	\$ 17.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00
43	1 Inch	-	43.75	46.88	50.00	53.13	56.25	59.38	62.50	65.63	68.75	71.88
44	2 Inch	-	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00
45												
46	<u>Sprinkler Meters - Residential:</u>											
47	Gallons in Minumum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
48	5/8 x 3/4 Inch	\$ 12.60	\$ 14.00	\$ 15.00	\$ 16.00	\$ 17.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00
49	1 Inch	12.60	35.00	37.50	40.00	42.50	45.00	47.50	50.00	52.50	55.00	57.50
50	2 Inch	12.60	112.00	120.00	128.00	136.00	144.00	152.00	160.00	168.00	176.00	184.00
51												
52	<u>Sprinkler Meters - Commercial:</u>											
53	Gallons in Minumum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
54	5/8 x 3/4 Inch	\$ 14.60	\$ 14.00	\$ 15.00	\$ 16.00	\$ 17.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00
55	1 Inch	14.60	43.75	46.88	50.00	53.13	56.25	59.38	62.50	65.63	68.75	71.88
56	2 Inch	14.60	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00
57												
58	<u>Hydrant:</u>											
59	Gallons in Minumum Bill	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
60	2 Inch	-	\$ 140.00	\$ 150.00	\$ 160.00	\$ 170.00	\$ 180.00	\$ 190.00	\$ 200.00	\$ 210.00	\$ 220.00	\$ 230.00
61	3 Inch	-	210.00	225.00	240.00	255.00	270.00	285.00	300.00	315.00	330.00	345.00
62												
63												
64												

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.3
Rate Design Alternatives - Water
Rate Design Alternative 3 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)
Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(1)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
65 Outside to Inside Ratio	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
66											
67 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
69 2,001 - 5,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
70 5,001 - 10,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
71 10,001 - 15,000	4.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
72 15,001 - 20,000	6.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
73 20,001 - 25,000	6.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
74 25,001 - 30,000	6.75	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
75 30,001 - 240,000	6.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
76 Over 240,000	6.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
77 Residential Inside											
78											
79 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
81 2,001 - 5,000	7.13	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
82 5,001 - 10,000	7.13	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
83 10,001 - 15,000	7.13	10.51	12.22	12.96	13.44	13.25	13.05	12.86	13.17	13.34	13.50
84 15,001 - 20,000	10.13	10.51	12.22	12.96	13.44	13.25	13.05	12.86	13.17	13.34	13.50
85 20,001 - 25,000	10.13	10.51	12.22	12.96	13.44	13.25	13.05	12.86	13.17	13.34	13.50
86 25,001 - 30,000	10.13	12.62	14.66	15.55	16.12	15.90	15.66	15.43	15.80	16.00	16.20
87 30,001 - 240,000	10.13	16.82	19.55	20.74	21.50	21.21	20.88	20.57	21.07	21.34	21.60
88 Over 240,000	10.13	16.82	19.55	20.74	21.50	21.21	20.88	20.57	21.07	21.34	21.60
89 Residential Outside											
90											
91 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
93 2,001 - 5,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
94 5,001 - 10,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
95 10,001 - 15,000	4.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
96 15,001 - 20,000	4.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
97 20,001 - 25,000	4.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
98 25,001 - 30,000	4.75	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
99 30,001 - 240,000	4.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
100 Over 240,000	6.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
101 Commercial Inside											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.3 (Continued)

Rate Design Alternatives - Water

Rate Design Alternative 3 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)

Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
102											
103 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
104 1,001 - 2,000											
105 2,001 - 5,000	4.75	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
106 5,001 - 10,000	4.75	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
107 10,001 - 15,000	4.75	10.51	12.22	12.96	13.44	13.25	13.05	12.85	13.17	13.34	13.50
108 15,001 - 20,000	4.75	10.51	12.22	12.96	13.44	13.25	13.05	12.86	13.17	13.34	13.50
109 20,001 - 25,000	4.75	10.51	12.22	12.96	13.44	13.25	13.05	12.86	13.17	13.34	13.50
110 25,001 - 30,000	4.75	12.62	14.66	15.55	16.12	15.90	15.66	15.43	15.80	16.00	16.20
111 30,001 - 240,000	4.75	16.82	19.55	20.74	21.50	21.21	20.88	20.57	21.07	21.34	21.60
112 Over 240,000	6.75	16.82	19.55	20.74	21.50	21.21	20.88	20.57	21.07	21.34	21.60
113 Commercial Outside											
114											
115 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
116 1,001 - 2,000											
117 2,001 - 5,000	-	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
118 5,001 - 10,000	-	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
119 10,001 - 15,000	-	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
120 15,001 - 20,000	-	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
121 20,001 - 25,000	-	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
122 25,001 - 30,000	-	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
123 30,001 - 240,000	-	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
124 Over 240,000	-	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
125 Commercial - No Charge											
126											
127 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
128 1,001 - 2,000											
129 2,001 - 5,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
130 5,001 - 10,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
131 10,001 - 15,000	4.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
132 15,001 - 20,000	6.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
133 20,001 - 25,000	6.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
134 25,001 - 30,000	6.75	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
135 30,001 - 740,000	6.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
136 Over 240,000	6.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
137 Apartments											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.3 (Continued)
Rate Design Alternatives - Water
Rate Design Alternative 3 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)
Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
138										
139 0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
140 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-
141 2,001 - 5,000	-	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11
142 5,001 - 10,000	-	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11
143 10,001 - 15,000	-	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89
144 15,001 - 20,000	-	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89
145 20,001 - 25,000	-	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89
146 25,001 - 30,000	-	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67
147 30,001 - 240,000	-	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23
148 Over 240,000	-	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23
149 Apts - No Charge										
150										
151 0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
152 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-
153 2,001 - 5,000	-	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11
154 5,001 - 10,000	-	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11
155 10,001 - 15,000	-	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89
156 15,001 - 20,000	-	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89
157 20,001 - 25,000	-	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89
158 25,001 - 30,000	-	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67
159 30,001 - 240,000	-	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23
160 Over 240,000	-	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23
161 City - No Charge										
162										
163 0 - 1,000	\$ 25.00	\$	\$	\$	\$	\$	\$	\$	\$	\$
164 1,001 - 2,000	25.00	-	-	-	-	-	-	-	-	-
165 2,001 - 5,000	7.50	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11
166 5,001 - 10,000	7.50	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11
167 10,001 - 15,000	7.50	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89
168 15,001 - 20,000	7.50	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89
169 20,001 - 25,000	7.50	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89
170 25,001 - 30,000	7.50	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67
171 30,001 - 240,000	7.50	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23
172 Over 240,000	7.50	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23
173 Hydrants										

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.3 (Continued)

Rate Design Alternatives - Water

Rate Design Alternative 3 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)

Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
174											
175 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
176 1,001 - 2,000											
177 2,001 - 5,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
178 5,001 - 10,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
179 10,001 - 15,000	4.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
180 15,001 - 20,000	6.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
181 20,001 - 25,000	6.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
182 25,001 - 30,000	6.75	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
183 30,001 - 240,000	6.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
184 Over 240,000	6.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
185 Sprinklers - Residential											
186											
187 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
188 1,001 - 2,000											
189 2,001 - 5,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
190 5,001 - 10,000	4.75	5.61	6.52	6.91	7.17	7.07	6.96	6.86	7.02	7.11	7.20
191 10,001 - 15,000	4.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
192 15,001 - 20,000	4.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
193 20,001 - 25,000	4.75	7.01	8.15	8.64	8.96	8.84	8.70	8.57	8.78	8.89	9.00
194 25,001 - 30,000	4.75	8.41	9.77	10.37	10.75	10.60	10.44	10.28	10.53	10.67	10.80
195 30,001 - 240,000	4.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
196 Over 240,000	6.75	11.21	13.03	13.83	14.33	14.14	13.92	13.71	14.05	14.23	14.40
197 Sprinklers - Commercial											
198											
199 System Totals											
200											
201 From Monthly Minimum Bill	\$ 344,030	\$ 478,187	\$ 580,386	\$ 625,598	\$ 671,530	\$ 718,182	\$ 765,554	\$ 813,646	\$ 862,458	\$ 911,990	\$ 962,242
202 From Volume Rates	1,242,526	1,683,872	2,072,808	2,267,209	2,381,847	2,398,635	2,380,106	2,360,865	2,409,136	2,464,592	2,512,697
203 Total Revenues Generated	\$ 1,586,556	\$ 2,167,059	\$ 2,653,194	\$ 2,892,808	\$ 3,053,377	\$ 3,116,816	\$ 3,145,659	\$ 3,174,511	\$ 3,271,594	\$ 3,376,582	\$ 3,474,939
204 Change in Revenues ->		36.1%	10.1%	4.4%	3.0%	0.1%	0.0%	0.0%	2.2%	1.5%	1.5%
205											
206 Avg Residential 3/4 inch Mon Bill @ 1 S	50.60	\$ 58.86	\$ 67.13	\$ 71.31	\$ 74.33	\$ 74.55	\$ 74.69	\$ 74.85	\$ 77.18	\$ 78.90	\$ 80.61
207 Monthly Difference - \$	N/A	\$ 8.26	\$ 8.27	\$ 4.18	\$ 3.02	\$ 0.22	\$ 0.14	\$ 0.16	\$ 2.33	\$ 1.72	\$ 1.70
208 Monthly Difference - %	N/A	16.32%	14.05%	6.22%	4.24%	0.30%	0.19%	0.22%	3.11%	2.23%	2.16%
209											
210 Avg Commercial 3/4 inch Mon Bill @ 1 S	147.60	\$ 206.05	\$ 238.17	\$ 252.78	\$ 262.44	\$ 260.10	\$ 257.42	\$ 254.84	\$ 261.53	\$ 265.62	\$ 269.63
211 Monthly Difference - \$	N/A	\$ 58.45	\$ 32.13	\$ 14.60	\$ 9.66	\$ (2.34)	\$ (2.58)	\$ (2.58)	\$ 6.69	\$ 4.09	\$ 4.01
212 Monthly Difference - %	N/A	39.60%	15.59%	6.13%	3.82%	0.89%	-1.03%	-1.00%	2.63%	1.56%	1.51%

City of Celina, Texas Report on Water & Wastewater Rates



Celina Response to Staff 3-1

Table 3.4
Rate Design Alternatives - Water
Rate Design Alternative 4 (Variation on Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)
Monthly Minimum Bills

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(10)
1 Outside to Inside Ratio	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
2 Cost-Based Monthly Minimum Bill	\$ 39.00	\$ 43.64	\$ 46.07	\$ 47.51	\$ 48.87	\$ 51.60	\$ 53.47	\$ 55.16	\$ 58.44	\$ 60.46	\$ 60.46
3 Residential Inside:											
4 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
5 5/8 x 3/4 Inch	\$ 12.60	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00	\$ 29.00
6 1 Inch	12.60	35.00	37.50	40.00	42.50	45.00	47.50	50.00	52.50	55.00	57.50
7 2 Inch	12.60	112.00	120.00	128.00	136.00	144.00	152.00	160.00	168.00	176.00	184.00
8											
9 Residential Outside:											
10 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
11 5/8 x 3/4 Inch	\$ 18.90	\$ 30.00	\$ 31.50	\$ 33.00	\$ 34.50	\$ 36.00	\$ 37.50	\$ 39.00	\$ 40.50	\$ 42.00	\$ 43.50
12 1 Inch	18.90	52.50	56.25	60.00	63.75	67.50	71.25	75.00	78.75	82.50	86.25
13 2 Inch	18.90	168.00	180.00	192.00	204.00	216.00	228.00	240.00	252.00	264.00	276.00
14											
15 Commercial Inside:											
16 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
17 5/8 x 3/4 Inch	\$ 14.60	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00	\$ 29.00	\$ 30.00	\$ 31.00	\$ 32.00	\$ 33.00	\$ 34.00
18 1 Inch	14.60	43.75	46.88	50.00	53.13	56.25	59.38	62.50	65.63	68.75	71.88
19 2 Inch	14.60	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00
20 3 Inch	14.60	210.00	225.00	240.00	255.00	270.00	285.00	300.00	315.00	330.00	345.00
21 4 Inch	14.60	350.00	375.00	400.00	425.00	450.00	475.00	500.00	525.00	550.00	575.00
22											
23 Commercial Outside:											
24 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
25 5/8 x 3/4 Inch	\$ 21.90	\$ 37.50	\$ 39.00	\$ 40.50	\$ 42.00	\$ 43.50	\$ 45.00	\$ 46.50	\$ 48.00	\$ 49.50	\$ 51.00
26 1 Inch	21.90	65.63	70.31	75.00	79.69	84.38	89.06	93.75	98.44	103.13	107.81
27 2 Inch	21.90	210.00	225.00	240.00	255.00	270.00	285.00	300.00	315.00	330.00	345.00
28											
29 Commercial (No Charge):											
30 Gallons in Minimum Bill	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
31 2 Inch	-	140.00	168.00	176.00	184.00	192.00	200.00	208.00	216.00	224.00	232.00
32 Apartment (Per Meter):											
33 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
34 5/8 x 3/4 Inch	\$ 12.60	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00	\$ 29.00
35 2 Inch	12.60	112.00	120.00	128.00	136.00	144.00	152.00	160.00	168.00	176.00	184.00
36											
37 Apartment (No Charge):											
38 Gallons in Minimum Bill	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
39 2 Inch	-	112.00	120.00	128.00	136.00	144.00	152.00	160.00	168.00	176.00	184.00

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.4 (Continued)

Rate Design Alternatives - Water

Rate Design Alternative 4 (Variation on Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)

Monthly Minimum Bills

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
40 City Meters (No Charge):											
41 Gallons in Minimum Bill		-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
42 5/8 x 3/4 Inch	\$	-	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00	\$ 29.00	\$ 30.00	\$ 31.00	\$ 32.00	\$ 33.00
43 1 Inch		-	43.75	46.88	50.00	53.13	56.25	59.38	62.50	65.63	68.75
44 2 Inch		-	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00
45											
46 Sprinkler Meters - Residential:											
47 Gallons in Minimum Bill		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
48 5/8 x 3/4 Inch	\$	12.60	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00
49 1 Inch		12.60	35.00	37.50	40.00	42.50	45.00	47.50	50.00	52.50	55.00
50 2 Inch		12.60	112.00	120.00	128.00	136.00	144.00	152.00	160.00	168.00	176.00
51											
52 Sprinkler Meters - Commercial:											
53 Gallons in Minimum Bill		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
54 5/8 x 3/4 Inch	\$	14.60	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00	\$ 29.00	\$ 30.00	\$ 31.00	\$ 32.00	\$ 33.00
55 1 Inch		14.60	43.75	46.88	50.00	53.13	56.25	59.38	62.50	65.63	68.75
56 2 Inch		14.60	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00
57											
58 Hydrant:											
59 Gallons in Minimum Bill		-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
60 2 Inch		-	\$ 140.00	\$ 150.00	\$ 160.00	\$ 170.00	\$ 180.00	\$ 190.00	\$ 200.00	\$ 210.00	\$ 220.00
61 3 Inch		-	210.00	225.00	240.00	255.00	270.00	285.00	300.00	315.00	330.00
62											
63											
64											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.4

Rate Design Alternatives - Water

Rate Design Alternative 4 (Variation on Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)

Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2010	2011	2012	2013	2014	2015	2016	2017	2018
	(1)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
65 Outside to Inside Ratio	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
66										
67 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-
69 2,001 - 5,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
70 5,001 - 10,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
71 10,001 - 15,000	4.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
72 15,001 - 20,000	6.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
73 20,001 - 25,000	6.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
74 25,001 - 30,000	6.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
75 30,001 - 240,000	6.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
76 Over 240,000	6.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
77 Residential Inside										
78										
79 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-
81 2,001 - 5,000	7.13	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
82 5,001 - 10,000	7.13	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
83 10,001 - 15,000	7.13	10.04	11.75	12.53	13.01	12.83	12.62	12.42	12.73	12.91
84 15,001 - 20,000	10.13	10.04	11.75	12.53	13.01	12.83	12.62	12.42	12.73	12.91
85 20,001 - 25,000	10.13	11.71	13.70	14.62	15.18	14.97	14.72	14.48	14.86	15.06
86 25,001 - 30,000	10.13	11.71	13.70	14.62	15.18	14.97	14.72	14.48	14.86	15.06
87 30,001 - 240,000	10.13	16.73	19.58	20.89	21.69	21.38	21.03	20.69	21.22	21.52
88 Over 240,000	10.13	16.73	19.58	20.89	21.69	21.38	21.03	20.69	21.22	21.52
89 Residential Outside										
90										
91 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-
93 2,001 - 5,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
94 5,001 - 10,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
95 10,001 - 15,000	4.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
96 15,001 - 20,000	4.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
97 20,001 - 25,000	4.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
98 25,001 - 30,000	4.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
99 30,001 - 240,000	4.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
100 Over 240,000	6.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
101 Commercial Inside										

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.4 (Continued)

Rate Design Alternatives - Water

Rate Design Alternative 4 (Variation on Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)

Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
102											
103 0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
104 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
105 2,001 - 5,000	4.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61	8.72
106 5,001 - 10,000	4.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61	8.72
107 10,001 - 15,000	4.75	10.04	11.75	12.53	13.01	12.83	12.62	12.42	12.73	12.91	13.08
108 15,001 - 20,000	4.75	10.04	11.75	12.53	13.01	12.83	12.62	12.42	12.73	12.91	13.08
109 20,001 - 25,000	4.75	11.71	13.70	14.62	15.18	14.97	14.72	14.48	14.86	15.06	15.26
110 25,001 - 30,000	4.75	11.71	13.70	14.62	15.18	14.97	14.72	14.48	14.86	15.06	15.26
111 30,001 - 240,000	4.75	16.73	19.58	20.89	21.69	21.38	21.03	20.69	21.22	21.52	21.80
112 Over 240,000	6.75	16.73	19.58	20.89	21.69	21.38	21.03	20.69	21.22	21.52	21.80
113 Commercial Outside											
114											
115 0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
116 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
117 2,001 - 5,000	-	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74	5.81
118 5,001 - 10,000	-	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74	5.81
119 10,001 - 15,000	-	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61	8.72
120 15,001 - 20,000	-	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61	8.72
121 20,001 - 25,000	-	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04	10.17
122 25,001 - 30,000	-	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04	10.17
123 30,001 - 240,000	-	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34	14.53
124 Over 240,000	-	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34	14.53
125 Commercial - No Charge											
126											
127 0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
128 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
129 2,001 - 5,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74	5.81
130 5,001 - 10,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74	5.81
131 10,001 - 15,000	4.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61	8.72
132 15,001 - 20,000	6.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61	8.72
133 20,001 - 25,000	6.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04	10.17
134 25,001 - 30,000	6.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04	10.17
135 30,001 - 240,000	6.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34	14.53
136 Over 240,000	6.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34	14.53
137 Apartments											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.4 (Continued)
Rate Design Alternatives - Water
Rate Design Alternative 4 (Variation on Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)
Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
138											
139	0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140	1,001 - 2,000	-	-	-	-	-	-	-	-	-	-
141	2,001 - 5,000	-	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
142	5,001 - 10,000	-	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
143	10,001 - 15,000	-	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
144	15,001 - 20,000	-	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
145	20,001 - 25,000	-	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
146	25,001 - 30,000	-	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
147	30,001 - 240,000	-	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
148	Over 240,000	-	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
149	Apts - No Charge										
150											
151	0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152	1,001 - 2,000	-	-	-	-	-	-	-	-	-	-
153	2,001 - 5,000	-	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
154	5,001 - 10,000	-	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
155	10,001 - 15,000	-	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
156	15,001 - 20,000	-	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
157	20,001 - 25,000	-	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
158	25,001 - 30,000	-	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
159	30,001 - 240,000	-	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
160	Over 240,000	-	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
161	City - No Charge										
162											
163	0 - 1,000	\$ 25.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164	1,001 - 2,000	25.00	-	-	-	-	-	-	-	-	-
165	2,001 - 5,000	7.50	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
166	5,001 - 10,000	7.50	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
167	10,001 - 15,000	7.50	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
168	15,001 - 20,000	7.50	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
169	20,001 - 25,000	7.50	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
170	25,001 - 30,000	7.50	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
171	30,001 - 240,000	7.50	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
172	Over 240,000	7.50	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
173	Hydrants										

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.4 (Continued)

Rate Design Alternatives - Water

Rate Design Alternative 4 (Variation on Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)

Volumetric Rates

Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,001 - 2,000										
2,001 - 5,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
5,001 - 10,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
10,001 - 15,000	4.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
15,001 - 20,000	6.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
20,001 - 25,000	6.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
25,001 - 30,000	6.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
30,001 - 240,000	6.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
Over 240,000	6.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
Sprinklers - Residential										
0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,001 - 2,000										
2,001 - 5,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
5,001 - 10,000	4.75	4.46	5.22	5.57	5.78	5.70	5.61	5.52	5.66	5.74
10,001 - 15,000	4.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
15,001 - 20,000	4.75	6.69	7.83	8.35	8.68	8.55	8.41	8.28	8.49	8.61
20,001 - 25,000	4.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
25,001 - 30,000	4.75	7.81	9.14	9.75	10.12	9.98	9.81	9.66	9.90	10.04
30,001 - 240,000	4.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
Over 240,000	6.75	11.15	13.05	13.92	14.46	14.25	14.02	13.80	14.15	14.34
Sprinklers - Commercial										
System Totals										
From Monthly Minimum Bill	\$ 344,030	\$ 571,484	\$ 721,564	\$ 768,667	\$ 816,730	\$ 865,313	\$ 914,616	\$ 964,639	\$ 1,015,387	\$ 1,066,845
From Volume Rates	1,242,526	1,590,575	1,931,630	2,123,940	2,251,647	2,251,504	2,231,044	2,209,972	2,256,212	2,309,737
Total Revenues Generated	\$ 1,586,556	\$ 2,162,059	\$ 2,653,194	\$ 2,892,608	\$ 3,068,377	\$ 3,116,816	\$ 3,145,659	\$ 3,174,511	\$ 3,271,599	\$ 3,376,582
Change in Revenues - %		36.1%	10.1%	4.4%	3.0%	0.1%	0.0%	0.0%	2.5%	1.5%
Avg Residential 3/4 Inch Mon Bill @ 1 S	\$ 50.60	\$ 55.68	\$ 62.76	\$ 66.56	\$ 69.27	\$ 69.61	\$ 69.85	\$ 70.14	\$ 72.28	\$ 73.90
Monthly Difference - \$	N/A	\$ 5.08	\$ 7.08	\$ 3.79	\$ 2.71	\$ 0.34	\$ 0.25	\$ 0.28	\$ 2.13	\$ 1.62
Monthly Difference - %	N/A	10.04%	12.72%	6.01%	4.28%	0.50%	0.36%	0.40%	3.04%	2.17%
Avg Commercial 3/4 Inch Mon Bill @ 1 S	\$ 147.60	\$ 205.64	\$ 237.43	\$ 252.56	\$ 262.24	\$ 259.92	\$ 257.13	\$ 254.48	\$ 261.22	\$ 265.37
Monthly Difference - \$	N/A	\$ 58.04	\$ 31.79	\$ 15.13	\$ 9.68	\$ (2.32)	\$ (2.79)	\$ (2.65)	\$ 6.73	\$ 4.15
Monthly Difference - %	N/A	39.32%	15.46%	6.37%	3.83%	-0.89%	-1.07%	-1.03%	2.65%	1.59%

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.5

Rate Design Alternatives - Wastewater
Rate Design Alternative 1 (Across-the-Board Increase)
Monthly Minimum Bills

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1 Outside to Inside Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2											
3 Residential Inside:											
4 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
5 5/8 x 3/4 Inch	\$ 13.75	\$ 22.69	\$ 25.75	\$ 27.30	\$ 28.39	\$ 28.39	\$ 28.39	\$ 28.39	\$ 29.24	\$ 29.82	\$ 30.42
6 1 Inch	13.75	22.69	25.75	27.30	28.39	28.39	28.39	28.39	29.24	29.82	30.42
7											
8 Residential Outside:											
9 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
10 5/8 x 3/4 Inch	\$ 13.75	\$ 22.69	\$ 25.75	\$ 27.30	\$ 28.39	\$ 28.39	\$ 28.39	\$ 28.39	\$ 29.24	\$ 29.82	\$ 30.42
11											
12 Commercial Inside:											
13 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
14 5/8 x 3/4 Inch	\$ 13.75	\$ 22.69	\$ 25.75	\$ 27.30	\$ 28.39	\$ 28.39	\$ 28.39	\$ 28.39	\$ 29.24	\$ 29.82	\$ 30.42
15 1 Inch	13.75	22.69	25.75	27.30	28.39	28.39	28.39	28.39	29.24	29.82	30.42
16 2 Inch	13.75	22.69	25.75	27.30	28.39	28.39	28.39	28.39	29.24	29.82	30.42
17 4 Inch	13.75	22.69	25.75	27.30	28.39	28.39	28.39	28.39	29.24	29.82	30.42
18											
19 Apartments (Per Dwelling Unit):											
20 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
21 5/8 x 3/4 Inch	\$ 13.75	\$ 22.69	\$ 25.75	\$ 27.30	\$ 28.39	\$ 28.39	\$ 28.39	\$ 28.39	\$ 29.24	\$ 29.82	\$ 30.42
22 2 Inch	13.75	22.69	25.75	27.30	28.39	28.39	28.39	28.39	29.24	29.82	30.42
23											
24											
25 Total System											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.5
Rate Design Alternatives - Wastewater
Rate Design Alternative 1 (Across-the-Board Increase)
Volumetric Rates

	Existing	Revised 2010	Planned 2011	Planned 2012	Planned 2013	Planned 2014	Planned 2015	Planned 2016	Planned 2017	Planned 2018	Planned 2019
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
26 Outside to Inside Ratio	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
27											
28 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
30 2,001 - 5,000	3.00	4.95	5.62	5.96	6.19	6.19	6.19	6.19	6.38	6.51	6.64
31 5,001 - 7,000	3.00	4.95	5.62	5.96	6.19	6.19	6.19	6.19	6.38	6.51	6.64
32 7,001 - 10,000	3.00	4.95	5.62	5.96	6.19	6.19	6.19	6.19	6.38	6.51	6.64
33 10,001 - 14,000	3.00	4.95	5.62	5.96	6.19	6.19	6.19	6.19	6.38	6.51	6.64
34 14,001 - 50,000	1.35	2.23	2.53	2.68	2.79	2.79	2.79	2.79	2.87	2.93	2.99
35 Over 50,000	-	-	-	-	-	-	-	-	-	-	-
36 Residential Inside											
37											
38 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
40 2,001 - 5,000	4.75	7.84	8.90	9.43	9.81	9.81	9.81	9.81	10.10	10.30	10.51
41 5,001 - 7,000	4.75	7.84	8.90	9.43	9.81	9.81	9.81	9.81	10.10	10.30	10.51
42 7,001 - 10,000	4.10	6.77	7.68	8.14	8.46	8.46	8.46	8.46	8.72	8.89	9.07
43 10,001 - 14,000	4.10	6.77	7.68	8.14	8.46	8.46	8.46	8.46	8.72	8.89	9.07
44 14,001 - 50,000	2.05	3.38	3.84	4.07	4.23	4.23	4.23	4.23	4.36	4.45	4.54
45 Over 50,000	-	-	-	-	-	-	-	-	-	-	-
46 Residential Outside											
47											
48 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
50 2,001 - 5,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
51 5,001 - 7,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
52 7,001 - 10,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
53 10,001 - 14,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
54 14,001 - 50,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
55 Over 50,000	6.50	10.73	12.17	12.90	13.42	13.42	13.42	13.42	13.82	14.10	14.38
56 Commercial Inside											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.5

Rate Design Alternatives - Wastewater
Rate Design Alternative 1 (Across-the-Board Increase)
Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
57											
58 0 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
59 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
60 2,001 - 5,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
61 5,001 - 7,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
62 7,001 - 10,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
63 10,001 - 14,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
64 14,001 - 50,000	3.30	5.45	6.18	6.55	6.81	6.81	6.81	6.81	7.02	7.16	7.30
65 Over 50,000	6.50	10.73	12.17	12.90	13.42	13.42	13.42	13.42	13.82	14.10	14.38
66 Apartments											
67											
68 System Totals											
69											
70 From Monthly Minimum Bill	\$ 272,443	\$ 391,544	\$ 499,254	\$ 550,095	\$ 585,652	\$ 603,340	\$ 613,560	\$ 623,779	\$ 646,791	\$ 672,470	\$ 696,801
71 From Volume Rates	303,850	449,139	552,582	616,139	653,437	669,793	679,043	688,294	712,760	738,737	763,470
72 Total Revenues Generated	\$ 576,292	\$ 840,683	\$ 1,051,836	\$ 1,166,235	\$ 1,239,089	\$ 1,273,133	\$ 1,292,603	\$ 1,312,073	\$ 1,359,551	\$ 1,411,208	\$ 1,460,271
73 Change in Revenues >		45.9%	9.5%	4.2%	2.8%	-	-	-	2.1%	1.4%	1.4%
74											
75 Avg. Residential 3/4 Inch Mon. Bill @ \$	31.75	\$ 52.39	\$ 59.46	\$ 63.03	\$ 65.55	\$ 65.55	\$ 65.55	\$ 65.55	\$ 67.51	\$ 68.87	\$ 70.24
76 Monthly Difference- \$	N/A	\$ 20.64	\$ 7.07	\$ 3.57	\$ 2.52	\$ -	\$ -	\$ -	\$ 1.97	\$ 1.35	\$ 1.38
77 Monthly Difference- %	N/A	65.00%	13.50%	6.00%	4.00%	0.00%	0.00%	0.00%	3.00%	2.00%	2.00%
78											
79 Avg. Commercial 3/4 Inch Mon. Bill @ \$	106.15	\$ 175.15	\$ 198.79	\$ 210.72	\$ 219.15	\$ 219.15	\$ 219.15	\$ 219.15	\$ 225.72	\$ 230.24	\$ 234.84
80 Monthly Difference- \$	N/A	\$ 69.00	\$ 23.64	\$ 11.93	\$ 8.43	\$ -	\$ -	\$ -	\$ 6.57	\$ 4.51	\$ 4.60
81 Monthly Difference- %	N/A	65.00%	13.50%	6.00%	4.00%	0.00%	0.00%	0.00%	3.00%	2.00%	2.00%

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.6

Rate Design Alternatives - Wastewater

Rate Design Alternative 2 (Pure Cost-Based Rates, Recovers 100% of Fixed Costs in Monthly Minimum Bill)

Monthly Minimum Bills

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1 Outside to Inside Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2											
3 Residential Inside:											
4 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
5 5/8 x 3/4 Inch	\$ 13.75	\$ 22.85	\$ 25.82	\$ 25.89	\$ 26.01	\$ 27.94	\$ 28.05	\$ 28.60	\$ 28.78	\$ 28.99	\$ 31.79
6 1 Inch	13.75	57.14	64.54	64.72	65.02	69.84	70.12	71.51	71.95	72.49	79.48
7											
8 Residential Outside:											
9 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
10 5/8 x 3/4 Inch	\$ 13.75	\$ 22.85	\$ 25.82	\$ 25.89	\$ 26.01	\$ 27.94	\$ 28.05	\$ 28.60	\$ 28.78	\$ 28.99	\$ 31.79
11											
12 Commercial Inside:											
13 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
14 5/8 x 3/4 Inch	\$ 13.75	\$ 22.85	\$ 25.82	\$ 25.89	\$ 26.01	\$ 27.94	\$ 28.05	\$ 28.60	\$ 28.78	\$ 28.99	\$ 31.79
15 1 Inch	13.75	57.14	64.54	64.72	65.02	69.84	70.12	71.51	71.95	72.49	79.48
16 2 Inch	13.75	182.84	206.52	207.10	208.05	223.48	224.37	228.82	230.25	231.96	254.34
17 4 Inch	13.75	571.37	645.39	647.19	650.16	698.38	701.16	715.06	719.53	724.86	794.81
18											
19 Apartments (Per Dwelling Unit):											
20 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
21 5/8 x 3/4 Inch	\$ 13.75	\$ 22.85	\$ 25.82	\$ 25.89	\$ 26.01	\$ 27.94	\$ 28.05	\$ 28.60	\$ 28.78	\$ 28.99	\$ 31.79
22 2 Inch	13.75	182.84	206.52	207.10	208.05	223.48	224.37	228.82	230.25	231.96	254.34
23											
24											
25											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.6
Rate Design Alternatives - Wastewater
Rate Design Alternative 2 (Pure Cost-Based Rates, Recovers 100% of Fixed Costs in Monthly Minimum Bill)
Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
26 Outside to Inside Ratio	1.58	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
27											
28 0 - 1,000	\$ -	\$ 2.49	\$ 2.72	\$ 3.22	\$ 3.53	\$ 3.20	\$ 3.15	\$ 3.08	\$ 3.30	\$ 3.45	\$ 3.14
29 1,001 - 2,000	-	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
30 2,001 - 5,000	3.00	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
31 5,001 - 7,000	3.00	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
32 7,001 - 10,000	3.00	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
33 10,001 - 14,000	3.00	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
34 14,001 - 50,000	1.35	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
35 Over 50,000	-	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
36 Residential Inside											
37											
38 0 - 1,000	\$ -	\$ 2.49	\$ 2.72	\$ 3.22	\$ 3.53	\$ 3.20	\$ 3.15	\$ 3.08	\$ 3.30	\$ 3.45	\$ 3.14
39 1,001 - 2,000	-	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
40 2,001 - 5,000	4.75	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
41 5,001 - 7,000	4.75	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
42 7,001 - 10,000	4.10	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
43 10,001 - 14,000	4.10	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
44 14,001 - 50,000	2.05	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
45 Over 50,000	-	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
46 Residential Outside											
47											
48 0 - 1,000	\$ -	\$ 2.49	\$ 2.72	\$ 3.22	\$ 3.53	\$ 3.20	\$ 3.15	\$ 3.08	\$ 3.30	\$ 3.45	\$ 3.14
49 1,001 - 2,000	-	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
50 2,001 - 5,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
51 5,001 - 7,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
52 7,001 - 10,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
53 10,001 - 14,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
54 14,001 - 50,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
55 Over 50,000	6.50	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
56 Commercial Inside											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.6

Rate Design Alternatives - Wastewater

Rate Design Alternative 2 (Pure Cost-Based Rates, Recovers 100% of Fixed Costs in Monthly Minimum Bill)

Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
57											
58 0 - 1,000	\$ -	\$ 2.49	\$ 2.72	\$ 3.22	\$ 3.53	\$ 3.20	\$ 3.15	\$ 3.08	\$ 3.30	\$ 3.45	\$ 3.14
59 1,001 - 2,000	-	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
60 2,001 - 5,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
61 5,001 - 7,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
62 7,001 - 10,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
63 10,001 - 14,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
64 14,001 - 50,000	3.30	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
65 Over 50,000	6.50	2.49	2.72	3.22	3.53	3.20	3.15	3.08	3.30	3.45	3.14
66 Apartments											
67											
68 System Totals											
69											
70 From Monthly Minimum Bill	\$ 272,443	\$ 508,912	\$ 688,004	\$ 725,561	\$ 737,813	\$ 785,572	\$ 816,011	\$ 838,189	\$ 857,457	\$ 873,898	\$ 943,928
71 From Volume Rates	303,850	331,771	373,832	440,673	501,276	487,561	476,597	473,884	502,094	537,310	516,342
72 Total Revenues Generated	\$ 576,292	\$ 840,683	\$ 1,061,836	\$ 1,166,235	\$ 1,239,089	\$ 1,273,133	\$ 1,292,603	\$ 1,312,073	\$ 1,359,551	\$ 1,411,208	\$ 1,460,271
73 Change in Revenues ->		45.3%	8.0%	4.7%	2.9%	0.2%	-0.2%	0.2%	2.1%	1.6%	1.5%
74											
75 Avg. Residential 3/4 Inch Mon. Bil @ & \$	31.75	\$ 42.75	\$ 47.56	\$ 51.62	\$ 54.24	\$ 53.51	\$ 53.28	\$ 53.22	\$ 55.15	\$ 56.62	\$ 56.88
76 Monthly Difference- \$	N/A	\$ 11.00	\$ 4.80	\$ 4.06	\$ 2.62	\$ (0.73)	\$ (0.23)	\$ (0.06)	\$ 1.93	\$ 1.47	\$ 0.26
77 Monthly Difference- %	N/A	34.65%	11.24%	8.54%	5.07%	-1.34%	-0.42%	-0.11%	3.62%	2.66%	0.46%
78											
79 Avg. Commercial 3/4 Inch Mon. Bil @ & \$	106.15	\$ 97.47	\$ 107.35	\$ 127.38	\$ 131.87	\$ 123.84	\$ 122.68	\$ 120.93	\$ 127.67	\$ 132.59	\$ 125.86
80 Monthly Difference- \$	N/A	\$ (8.68)	\$ 9.88	\$ 15.04	\$ 9.49	\$ (8.03)	\$ (1.15)	\$ (1.76)	\$ 6.74	\$ 4.92	\$ (6.73)
81 Monthly Difference- %	N/A	-8.18%	10.13%	14.01%	7.15%	-6.09%	-0.93%	-1.43%	5.57%	3.85%	-5.07%

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.7

Rate Design Alternatives - Wastewater

Rate Design Alternative 3 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)

Monthly Minimum Bills

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1 Outside to Inside Ratio	1.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
2											
3 Residential Inside:											
4 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
5 5/8 x 3/4 Inch	\$ 13.75	\$ 15.00	\$ 16.00	\$ 17.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00
6 1 Inch	13.75	37.50	40.00	42.50	45.00	47.50	50.00	52.50	55.00	57.50	60.00
7											
8 Residential Outside:											
9 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
10 5/8 x 3/4 Inch	\$ 13.75	\$ 15.00	\$ 16.00	\$ 17.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00
11											
12 Commercial Inside:											
13 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
14 5/8 x 3/4 Inch	\$ 13.75	\$ 15.00	\$ 16.00	\$ 17.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00
15 1 Inch	13.75	46.88	50.00	53.13	56.25	59.38	62.50	65.63	68.75	71.88	75.00
16 2 Inch	13.75	180.00	192.00	204.00	216.00	228.00	240.00	252.00	264.00	276.00	288.00
17 4 Inch	13.75	375.00	400.00	425.00	450.00	475.00	500.00	525.00	550.00	575.00	600.00
18											
19 Apartments (Per Dwelling Unit):											
20 Gallons in Minimum Bill	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
21 5/8 x 3/4 Inch	\$ 13.75	\$ 15.00	\$ 16.00	\$ 17.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00
22 2 Inch	13.75	180.00	192.00	204.00	216.00	228.00	240.00	252.00	264.00	276.00	288.00
23											
24											
25											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.7
Rate Design Alternatives - Wastewater
Rate Design Alternative 3 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)
Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
26 Outside to Inside Ratio	1.58	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
27											
28 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29 1,001 - 2,000											
30 2,001 - 5,000	3.00	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
31 5,001 - 7,000	3.00	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
32 7,001 - 10,000	3.00	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
33 10,001 - 14,000	3.00	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
34 14,001 - 50,000	1.35	-	-	-	-	-	-	-	-	-	-
35 Over 50,000	-	-	-	-	-	-	-	-	-	-	-
36 Residential Inside											
37											
38 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39 1,001 - 2,000											
40 2,001 - 5,000	4.75	9.77	11.39	12.14	12.49	12.13	11.73	11.35	11.55	11.58	11.61
41 5,001 - 7,000	4.75	9.77	11.39	12.14	12.49	12.13	11.73	11.35	11.55	11.58	11.61
42 7,001 - 10,000	4.10	9.77	11.39	12.14	12.49	12.13	11.73	11.35	11.55	11.58	11.61
43 10,001 - 14,000	4.10	9.77	11.39	12.14	12.49	12.13	11.73	11.35	11.55	11.58	11.61
44 14,001 - 50,000	2.05	-	-	-	-	-	-	-	-	-	-
45 Over 50,000	-	-	-	-	-	-	-	-	-	-	-
46 Residential Outside											
47											
48 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49 1,001 - 2,000											
50 2,001 - 5,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
51 5,001 - 7,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
52 7,001 - 10,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
53 10,001 - 14,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
54 14,001 - 50,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
55 Over 50,000	6.50	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
56 Commercial Inside											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.7

Rate Design Alternatives - Wastewater

Rate Design Alternative 3 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)

Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
57											
58 0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
59 1,001 - 2,000											
60 2,001 - 5,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
61 5,001 - 7,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
62 7,001 - 10,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
63 10,001 - 14,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
64 14,001 - 50,000	3.30	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
65 Over 50,000	6.50	6.51	7.60	8.09	8.33	8.08	7.82	7.57	7.70	7.72	7.74
66 Apartments											
67											
68 System Totals											
69											
70 From Monthly Minimum Bill	\$ 272,443	\$ 330,594	\$ 385,693	\$ 416,305	\$ 447,637	\$ 479,688	\$ 512,459	\$ 545,951	\$ 580,163	\$ 615,094	\$ 650,745
71 From Volume Rates	303,850	516,913	684,035	758,347	800,105	801,844	788,271	773,984	787,395	804,133	817,564
72 Total Revenues Generated	\$ 576,292	\$ 847,507	\$ 1,069,728	\$ 1,174,652	\$ 1,247,741	\$ 1,281,532	\$ 1,300,730	\$ 1,319,936	\$ 1,367,557	\$ 1,419,227	\$ 1,468,309
73 Change in Revenues >		45.9%	9.5%	4.2%	2.8%	-	-	-	2.1%	1.4%	1.4%
74											
75 Avg. Residential 3/4 Inch Mon. Bill @ \$	31.75	\$ 54.07	\$ 61.58	\$ 65.56	\$ 67.97	\$ 67.50	\$ 66.93	\$ 66.40	\$ 68.19	\$ 69.31	\$ 70.42
76 Monthly Difference- \$	N/A	\$ 22.32	\$ 7.51	\$ 3.99	\$ 2.40	\$ (0.46)	\$ (0.57)	\$ (0.53)	\$ 1.79	\$ 1.12	\$ 1.11
77 Monthly Difference- %	N/A	70.30%	13.88%	6.47%	3.67%	-0.68%	-0.85%	-0.78%	2.69%	1.64%	1.61%
78											
79 Avg. Commercial 3/4 Inch Mon. Bill @ \$	106.15	\$ 197.33	\$ 228.69	\$ 243.63	\$ 251.17	\$ 245.34	\$ 239.00	\$ 232.88	\$ 237.56	\$ 239.10	\$ 240.63
80 Monthly Difference- \$	N/A	\$ 91.18	\$ 31.36	\$ 14.94	\$ 7.55	\$ (5.83)	\$ (6.34)	\$ (6.12)	\$ 4.67	\$ 1.55	\$ 1.53
81 Monthly Difference- %	N/A	85.90%	15.89%	5.53%	3.10%	-2.32%	-2.59%	-2.56%	2.01%	0.65%	0.64%

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.8

Rate Design Alternatives - Wastewater

Rate Design Alternative 4 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill) **Monthly Minimum Bills**

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1 Outside to Inside Ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2											
3 Residential Inside:											
4 Gallons in Minimum Bill		7,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
5 5/8 x 3/4 Inch	\$	13.75	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00
6 1 Inch		13.75	17.50	40.00	42.50	45.00	47.50	50.00	52.50	55.00	57.50
7											
8 Residential Outside:											
9 Gallons in Minimum Bill		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
10 5/8 x 3/4 Inch	\$	13.75	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00
11											
12 Commercial Inside:											
13 Gallons in Minimum Bill		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
14 5/8 x 3/4 Inch	\$	13.75	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00	\$ 29.00	\$ 30.00	\$ 31.00	\$ 32.00	\$ 33.00
15 1 Inch		13.75	46.88	50.00	53.13	56.25	59.38	62.50	65.63	68.75	71.88
16 2 Inch		13.75	180.00	192.00	204.00	216.00	228.00	240.00	252.00	264.00	276.00
17 4 Inch		13.75	375.00	400.00	425.00	450.00	475.00	500.00	525.00	550.00	575.00
18											
19 Apartments (Per Dwelling Unit):											
20 Gallons in Minimum Bill		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
21 5/8 x 3/4 Inch	\$	13.75	\$ 20.00	\$ 21.00	\$ 22.00	\$ 23.00	\$ 24.00	\$ 25.00	\$ 26.00	\$ 27.00	\$ 28.00
22 2 Inch		13.75	180.00	192.00	204.00	216.00	228.00	240.00	252.00	264.00	276.00
23											
24											
25											

City of Celina, Texas Report on Water & Wastewater Rates



Table 3.8
Rate Design Alternatives - Wastewater
Rate Design Alternative 4 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)
Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
26 Outside to Inside Ratio	1.58	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
27											
28 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
30 2,001 - 5,000	3.00	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
31 5,001 - 7,000	3.00	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
32 7,001 - 10,000	3.00	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
33 10,001 - 14,000	3.00	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
34 14,001 - 50,000	1.35	-	-	-	-	-	-	-	-	-	-
35 Over 50,000	-	-	-	-	-	-	-	-	-	-	-
36 Residential Inside											
37											
38 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
40 2,001 - 5,000	4.75	8.36	9.87	10.66	10.99	10.62	10.22	9.84	10.03	10.05	10.08
41 5,001 - 7,000	4.75	8.36	9.87	10.66	10.99	10.62	10.22	9.84	10.03	10.05	10.08
42 7,001 - 10,000	4.10	8.36	9.87	10.66	10.99	10.62	10.22	9.84	10.03	10.05	10.08
43 10,001 - 14,000	4.10	8.36	9.87	10.66	10.99	10.62	10.22	9.84	10.03	10.05	10.08
44 14,001 - 50,000	2.05	-	-	-	-	-	-	-	-	-	-
45 Over 50,000	-	-	-	-	-	-	-	-	-	-	-
46 Residential Outside											
47											
48 0 - 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
50 2,001 - 5,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
51 5,001 - 7,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
52 7,001 - 10,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
53 10,001 - 14,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
54 14,001 - 50,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
55 Over 50,000	6.50	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
56 Commercial Inside											

City of Celina, Texas Report on Water & Wastewater Rates

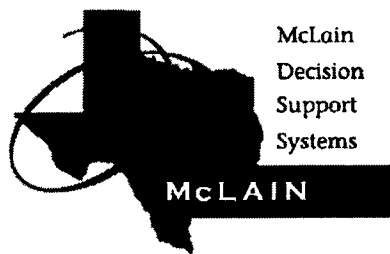


Table 3.8
Rate Design Alternatives - Wastewater
Rate Design Alternative 4 (Transition to Cost-Based Rates, Incrementally Increases Monthly Minimum Bill)
Volumetric Rates

	Existing	Revised	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(10)
57											
58 0 - 1,000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
59 1,001 - 2,000	-	-	-	-	-	-	-	-	-	-	-
60 2,001 - 5,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
61 5,001 - 7,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
62 7,001 - 10,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
63 10,001 - 14,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
64 14,001 - 50,000	3.30	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
65 Over 50,000	6.50	5.57	6.58	7.11	7.32	7.08	6.81	6.56	6.69	6.70	6.72
66 Apartments											
67											
68 System Totals											
69											
70 From Monthly Minimum Bill	\$ 272,443	\$ 391,379	\$ 477,848	\$ 510,260	\$ 543,392	\$ 577,243	\$ 611,814	\$ 647,106	\$ 683,118	\$ 719,849	\$ 757,300
71 From Volume Rates	303,850	455,140	590,826	663,364	703,307	703,248	687,869	671,780	683,387	698,323	709,951
72 Total Revenues Generated	\$ 576,292	\$ 846,525	\$ 1,068,674	\$ 1,173,624	\$ 1,246,698	\$ 1,280,491	\$ 1,299,683	\$ 1,318,887	\$ 1,366,504	\$ 1,418,171	\$ 1,467,251
73 Change in Revenues ->		45.9%	9.5%	4.2%	2.8%	-	-	-	2.1%	1.4%	1.4%
74											
75 Avg. Residential 3/4 Inch Mon. Bill @ \$	31.75	\$ 53.45	\$ 60.49	\$ 64.63	\$ 66.94	\$ 66.49	\$ 65.88	\$ 65.35	\$ 67.11	\$ 68.21	\$ 69.31
76 Monthly Difference- \$	N/A	\$ 21.70	\$ 7.04	\$ 4.15	\$ 2.31	\$ (0.45)	\$ (0.60)	\$ (0.54)	\$ 1.77	\$ 1.10	\$ 1.10
77 Monthly Difference- %	N/A	58.34%	13.17%	6.86%	3.57%	-0.68%	-0.91%	-0.82%	2.70%	1.64%	1.61%
78											
79 Avg. Commercial 3/4 Inch Mon. Bill @ \$	106.15	\$ 181.09	\$ 210.27	\$ 225.96	\$ 233.06	\$ 227.28	\$ 220.79	\$ 214.61	\$ 219.20	\$ 220.67	\$ 227.11
80 Monthly Difference- \$	N/A	\$ 74.94	\$ 29.17	\$ 15.69	\$ 7.10	\$ (5.78)	\$ (6.49)	\$ (6.18)	\$ 4.58	\$ 1.47	\$ 1.45
81 Monthly Difference- %	N/A	70.60%	16.11%	7.46%	3.14%	-2.48%	-2.86%	-2.80%	2.13%	0.67%	0.65%

APPENDIX A

SUPPORTING WORKSHEETS



City of Celina, Texas Report on Water & Wastewater Rates



Worksheet I

Section IV - Actual & Projected Revenue Requirements

Financial Summary - Combined Water & Wastewater

Description	Actual 2009 (g)	Revised 2010 (i)	Planned 2011 (j)	Planned 2012 (k)	Planned 2013 (l)	Planned 2014 (m)	Planned 2015 (n)	Planned 2016 (o)	Planned 2017 (p)	Planned 2018 (q)	Planned 2019 (r)
Beginning Working Capital Reserve	\$ 1,901,424	\$ 342,426	\$ 353,083	\$ 479,268	\$ 689,530	\$ 1,085,683	\$ 1,389,551	\$ 1,546,991	\$ 1,579,468	\$ 1,598,297	\$ 1,542,046
Water Sales	\$ 1,571,234	\$ 2,162,059	\$ 2,653,194	\$ 2,892,808	\$ 3,053,377	\$ 3,116,816	\$ 3,145,659	\$ 3,174,511	\$ 3,271,594	\$ 3,376,582	\$ 3,474,939
Wastewater Sales	558,996	840,683	1,061,836	1,166,235	1,239,089	1,273,133	1,292,603	1,312,073	1,359,551	1,411,208	1,460,271
Garbage Billing	245,192	242,396	245,744	249,093	252,441	255,790	259,138	262,486	265,835	269,183	272,532
Fines & Fees	63,678	246,903	62,343	62,603	62,864	63,124	63,385	63,645	63,905	64,166	64,427
Penalties & Interest	63,438	63,200	100,100	108,879	114,862	117,411	118,716	120,022	123,760	127,804	131,614
Miscellaneous Income	3,840	2,602	2,602	2,602	2,602	2,602	2,602	2,602	2,602	2,602	2,602
Total Sources of Funds	\$ 2,506,378	\$ 3,557,843	\$ 4,125,818	\$ 4,482,218	\$ 4,725,236	\$ 4,828,876	\$ 4,882,103	\$ 4,935,340	\$ 5,087,248	\$ 5,251,544	\$ 5,406,384
Salaries & Related	\$ 295,298	\$ 309,678	\$ 326,095	\$ 386,663	\$ 407,254	\$ 476,579	\$ 552,756	\$ 582,402	\$ 613,682	\$ 706,121	\$ 806,288
Water Meters	23,923	51,700	53,251	54,819	56,494	58,189	59,934	61,733	63,584	65,492	67,437
Chemicals	23,845	15,000	36,594	38,251	39,976	41,769	43,633	45,571	47,585	49,581	51,588
Electricity	239,132	240,000	249,887	260,151	270,805	281,863	293,338	305,249	317,609	330,435	343,743
Postage	19,098	20,000	20,876	21,787	22,733	23,717	24,739	25,801	26,904	28,050	29,240
UTRWd Water Purchases	947,997	1,094,061	1,066,940	1,123,427	1,182,895	1,245,501	1,311,409	1,380,795	1,453,842	1,530,741	1,611,696
UTRWd Wastewater Treatment	223,575	229,800	368,550	379,607	390,995	402,725	414,806	427,250	440,068	453,270	466,868
Garbage Contract	713,784	297,780	310,827	324,387	338,479	353,123	368,339	384,149	400,574	417,636	435,360
All Other O&M Costs	178,276	168,476	173,524	178,230	184,092	189,614	195,303	201,167	207,197	213,413	219,815
Total Operating Expenditures	\$ 2,157,528	\$ 2,446,489	\$ 2,606,545	\$ 2,767,851	\$ 2,893,722	\$ 3,073,079	\$ 3,264,258	\$ 3,414,112	\$ 3,571,047	\$ 3,794,839	\$ 4,032,326
Debt Service - Existing	\$ 1,062,400	\$ 975,697	\$ 987,978	\$ 990,654	\$ 995,552	\$ 992,226	\$ 988,791	\$ 1,007,989	\$ 1,007,277	\$ 1,007,562	\$ 1,017,666
Debt Service - Planned											
Total Debt Service	\$ 1,062,400	\$ 975,697	\$ 987,978	\$ 990,654	\$ 995,552	\$ 992,226	\$ 988,791	\$ 1,007,989	\$ 1,007,277	\$ 1,007,562	\$ 1,017,666
Transfer to General Fund	\$ 300,000	\$ 175,000	\$ 185,000	\$ 190,550	\$ 196,267	\$ 202,154	\$ 208,219	\$ 214,466	\$ 220,900	\$ 227,527	\$ 234,352
Franchise Fee	-	-	120,110	227,902	243,543	257,548	263,397	266,296	269,195	277,869	287,267
Repayment of Loan from General Fund	-	-	100,000	100,000	-	-	-	-	-	-	-
Non-Operating Expenditures	\$ 300,000	\$ 125,000	\$ 405,110	\$ 513,452	\$ 439,809	\$ 459,702	\$ 471,616	\$ 480,761	\$ 490,095	\$ 505,395	\$ 521,620
Total Uses of Funds	\$ 3,519,928	\$ 3,547,186	\$ 3,999,632	\$ 4,271,957	\$ 4,329,083	\$ 4,525,007	\$ 4,724,664	\$ 4,902,863	\$ 5,068,418	\$ 5,307,796	\$ 5,571,611
Sources Minus Uses of Funds	\$ (1,013,549)	\$ 10,657	\$ 126,186	\$ 210,262	\$ 396,153	\$ 303,869	\$ 157,439	\$ 32,477	\$ 18,830	\$ (56,252)	\$ (165,227)
Ending Working Capital Reserve	\$ 342,426	\$ 353,083	\$ 479,268	\$ 689,530	\$ 1,085,683	\$ 1,389,551	\$ 1,546,991	\$ 1,579,468	\$ 1,598,297	\$ 1,542,046	\$ 1,376,818
% of Operating Expenditures	10%	10%	12%	16%	25%	31%	33%	32%	32%	29%	25%
Targeted Days of Operating Reserves	N/A	90	90	90	90	90	90	90	90	90	90
Days of Working Capital	36	36	45	60	92	112	120	118	115	106	90
Revenue Increases Suggested											
Water Minimum Bills	N/A	51.00%	11.50%	5.00%	4.00%	0.00%	0.00%	0.00%	3.00%	7.00%	7.00%
Water Volumetric Rates	N/A	51.00%	13.50%	6.00%	4.00%	0.00%	0.00%	0.00%	3.00%	7.00%	7.00%
Water Overall	N/A	35.27%	9.39%	4.26%	2.84%	0.00%	0.00%	0.00%	2.13%	1.12%	1.12%
Wastewater Minimum Bills	N/A	65.00%	13.50%	6.00%	4.00%	0.00%	0.00%	0.00%	3.00%	2.00%	2.00%
Wastewater Volumetric Rates	N/A	65.00%	13.50%	6.00%	4.00%	0.00%	0.00%	0.00%	3.00%	2.00%	2.00%
Wastewater Overall	N/A	65.88%	9.49%	4.21%	2.81%	0.00%	0.00%	0.00%	2.10%	1.40%	1.40%
Overall Water & Wastewater	N/A	38.83%	9.56%	4.25%	2.83%	0.00%	0.00%	0.00%	2.12%	1.41%	1.41%

City of Celina, Texas Report on Water & Wastewater Rates



Worksheet 2

Section IV - Actual & Projected Revenue Requirements

Actual & Projected Expenditures by Line Item

Water Department

Code	Description	Actual 2008	Actual 2009	Revised 2010	Planned 2011	Planned 2012	Planned 2013	Planned 2014	Planned 2015	Planned 2016	Planned 2017	Planned 2018	Planned 2019
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
5100 Salaries		\$ 114,709	\$ 135,054	\$ 143,882	\$ 147,928	\$ 148,558	\$ 152,852	\$ 152,485	\$ 245,431	\$ 257,203	\$ 270,588	\$ 322,101	\$ 338,204
5105 Overtime		1,178	14,765	12,000	12,400	15,644	16,426	17,248	20,905	21,950	23,048	27,435	28,807
5110 Tax Expense		10,651	13,743	11,650	12,281	15,248	16,010	16,811	20,375	21,394	22,464	26,740	28,077
5111 SUTA		4,600	217	1,080	1,134	1,408	1,478	1,552	1,851	1,976	2,074	2,469	2,594
5115 Group Health Insurance		17,560	23,231	24,880	26,746	35,840	38,635	41,233	53,578	57,596	61,916	77,653	83,477
5116 Workers Compensation		11,071	7,791	6,859	7,239	8,891	9,440	9,902	12,001	12,601	13,211	15,750	16,328
5117 Workers Compensation		1,625	4,547	6,298	6,602	8,398	8,607	9,018	10,954	11,502	12,077	14,376	15,085
5120 Christmas Bonus		450	185	814	429	538	424	555	546	884	818	1,081	1,090
Subtotal- Payroll Expense		\$ 184,969	\$ 198,959	\$ 204,179	\$ 215,004	\$ 269,682	\$ 284,065	\$ 299,334	\$ 365,921	\$ 385,556	\$ 406,274	\$ 467,568	\$ 513,807
5140 Contract Labor		\$ -	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5149 Engineering		11,440	6,386	2,500	3,575	2,512	1,732	2,814	2,898	2,965	3,075	3,167	3,262
Subtotal- Legal & Professional		\$ 11,440	\$ 6,486	\$ 2,500	\$ 3,575	\$ 2,512	\$ 1,732	\$ 2,814	\$ 2,898	\$ 2,965	\$ 3,075	\$ 3,167	\$ 3,262
5207 Water Meters		\$ 546	\$ 29,474	\$ 11,730	\$ 53,251	\$ 58,888	\$ 56,494	\$ 58,180	\$ 50,934	\$ 61,733	\$ 61,584	\$ 65,497	\$ 67,457
5208 Computer Software/Hardware		10	788	7,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957
5209 Office Supplies		2,418	2,824	1,400	1,447	1,485	1,530	1,576	1,623	1,672	1,722	1,773	1,827
5210 Materials/Supplies		10,841	15,362	20,000	20,800	21,238	21,955	22,310	23,185	23,881	24,597	25,195	26,295
5210 Chemicals		20,000	14,881	23,800	11,509	15,039	26,144	22,172	28,456	29,671	30,946	32,217	33,626
Subtotal- Materials & Supplies		\$ 55,956	\$ 57,469	\$ 97,600	\$ 100,846	\$ 104,156	\$ 107,661	\$ 111,138	\$ 114,932	\$ 118,747	\$ 122,608	\$ 126,759	\$ 130,963
5225 Maintenance Agreements		\$ 3,993	\$ 4,516	\$ 10,000	\$ 10,300	\$ 10,009	\$ 9,927	\$ 11,455	\$ 11,593	\$ 11,841	\$ 12,799	\$ 12,668	\$ 13,748
5225 Facility Maintenance		1,897	318	520	515	530	546	561	580	597	615	633	652
5230 Equipment Repairs		18,750	8,155	11,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002	19,572
5231 Equipment O&M		1,572	1,119	1,000	1,030	1,081	1,090	1,128	1,159	1,194	1,240	1,267	1,315
5235 Gasoline		16,142	9,218	10,000	10,300	10,009	10,327	11,255	11,593	11,941	12,289	12,668	13,048
5280 Vehicle O&M		2,232	423	550	1,597	1,644	1,694	1,745	1,797	1,851	1,904	1,964	2,022
5281 Vehicle Repairs		2,703	1,150	2,000	2,060	2,122	2,185	2,251	2,319	2,386	2,460	2,534	2,610
5310 Testing & Analysis		3,123	2,711	3,250	3,206	3,195	3,197	3,202	3,210	3,223	3,241	3,264	3,292
Subtotal- Maintenance		\$ 62,734	\$ 27,816	\$ 43,250	\$ 44,546	\$ 45,894	\$ 47,260	\$ 48,678	\$ 50,139	\$ 51,643	\$ 53,192	\$ 54,788	\$ 56,431
5400 Land Phone Line		\$ 1,522	\$ 1,552	\$ 500	\$ 1,545	\$ 1,591	\$ 1,639	\$ 1,688	\$ 1,739	\$ 1,791	\$ 1,845	\$ 1,900	\$ 1,957
5401 Cell Phone		1,811	1,100	1,000	1,000	1,183	1,278	1,377	1,478	1,582	1,690	1,800	1,914
5402 Pager		97	102	120	124	127	131	135	140	143	146	152	157
5403 Internet DSL		1,071	2,110	1,700	2,781	2,864	2,950	3,039	3,130	3,224	3,321	3,420	3,521
5419 Natural Gas		130	675	600	670	640	710	732	754	776	799	823	848
5420 Electricity		108,905	194,637	190,000	197,522	205,335	213,433	221,832	230,541	239,573	248,919	258,650	268,726
5421 Other Utilities		10,117	-	-	-	-	-	-	-	-	-	-	-
Subtotal- Utility Expense		\$ 205,822	\$ 202,924	\$ 197,970	\$ 205,797	\$ 215,791	\$ 222,142	\$ 230,802	\$ 239,780	\$ 249,089	\$ 258,741	\$ 268,747	\$ 279,110
5183 Credit Card Fees		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5180 License/Permit/Filing		4,314	7,541	3,500	3,708	3,818	3,914	4,012	4,113	4,219	4,328	4,440	4,557
5220 Postage		15,914	19,785	20,000	20,876	21,787	22,733	23,717	24,739	25,801	26,904	28,052	29,240
5240 General Insurance		8,500	8,300	8,500	8,755	9,018	9,288	9,567	9,854	10,149	10,454	10,768	11,091
5250 Membership & Dues		446	562	700	721	743	765	788	811	836	861	887	914
5269 School Registration & Test on		175	124	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957
5270 Travel, Meals & Lodging		147	726	2,000	1,830	1,961	2,093	2,226	2,361	2,498	2,636	2,776	2,918
5285 Hiring Expenses		-	-	-	-	-	-	-	-	-	-	-	-
5290 Advertising		474	724	7,500	2,875	2,852	2,792	2,741	2,698	2,655	2,613	2,571	2,529
5340 Rent		444	390	1,200	515	530	546	561	580	597	615	633	652
5370 Uniforms		1,395	1,183	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957
5410 Office Cleaning		819	1,170	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957
5415 Equipment Rental		16	240	750	773	796	820	844	869	894	920	946	972
5430 Interest Expense		445,385	-	-	-	-	-	-	-	-	-	-	-
5440 Paying Agent Fees		6,711	5,500	2,000	2,936	3,024	3,114	3,208	3,304	3,403	3,505	3,610	3,719
5451 Bond Insurance Fees		17,114	-	1,000	5,350	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524
5700 Equipment		11,836	34,798	1,096,067	1,045,540	1,111,417	1,182,195	1,253,901	1,326,628	1,400,375	1,475,142	1,550,940	1,627,776
5740 UPRWD Water Purchases		-	-	-	-	-	-	-	-	-	-	-	-
Subtotal- Miscellaneous Expense		\$ 1,302,285	\$ 990,795	\$ 1,143,561	\$ 1,138,613	\$ 1,176,855	\$ 1,238,301	\$ 1,302,870	\$ 1,370,810	\$ 1,442,298	\$ 1,517,519	\$ 1,596,608	\$ 1,679,940
5146 Transfer to General Fund		229,000	200,000	125,000	110,000	113,300	116,699	120,200	123,806	127,522	131,346	135,286	139,345
5147 Franchise Fee		-	-	-	-	59,572	180,587	185,361	187,110	188,858	190,606	192,354	194,102
5805 Transfer to Debt Service Fund		-	-	113,222	306,011	318,196	318,196	368,000	368,000	368,000	368,000	368,000	368,000
Subtotal- Total Transfers		\$ 200,000	\$ 200,000	\$ 715,596	\$ 715,596	\$ 715,596	\$ 715,596	\$ 715,596	\$ 715,596	\$ 715,596	\$ 715,596	\$ 715,596	\$ 715,596
Total Expenditures		\$2,109,399	\$1,683,082	\$2,529,676	\$2,602,918	\$2,614,653	\$2,719,018	\$2,811,845	\$2,963,828	\$3,085,972	\$3,201,999	\$3,384,951	\$3,521,259

City of Celina, Texas Report on Water & Wastewater Rates



Worksheet 3

Section IV - Actual & Projected Revenue Requirements

Actual & Projected Expenditures by Line Item

Sewer Department

	Actual 2008	Actual 2009	Revised 2010	Planned 2011	Planned 2012	Planned 2013	Planned 2014	Planned 2015	Planned 2016	Planned 2017	Planned 2018	Planned 2019
Code	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
5100 Salaries	\$ 45,662	\$ 49,573	\$ 73,377	\$ 77,046	\$ 80,898	\$ 84,943	\$ 120,179	\$ 126,188	\$ 132,498	\$ 139,122	\$ 146,079	\$ 152,533
5105 Overtime	3,741	6,869	6,700	6,300	6,615	6,946	9,827	10,318	10,834	11,376	11,945	15,776
5110 Tax Expense	6,617	5,192	6,072	6,176	6,674	7,029	9,945	10,447	10,964	11,512	12,088	15,965
5111 SUTA	192	86	540	567	595	625	884	929	975	1,024	1,075	1,420
5115 Group Health Insurance	9,771	9,118	12,410	13,373	14,376	15,454	24,920	26,789	28,798	30,958	33,280	47,701
5116 TRMS	3,071	4,070	1,586	3,767	3,956	4,154	3,877	6,170	6,479	6,803	7,143	9,434
5117 Workers Compensation	773	891	2,788	2,927	3,074	3,227	4,568	4,795	5,034	5,286	5,550	7,331
5120 Christmas Bonus	118	300	750	739	712	819	1,146	1,224	1,264	1,322	1,394	1,811
Subtotal- Payroll Expense	\$ 80,981	\$ 96,340	\$ 105,505	\$ 111,082	\$ 116,980	\$ 123,189	\$ 177,345	\$ 186,835	\$ 196,846	\$ 207,409	\$ 218,553	\$ 292,400
5149 Engineering	1,138	9,016	2,000	2,060	2,122	2,185	2,251	2,319	2,388	2,460	2,534	2,610
Subtotal- Legal & Professional	\$ 2,518	\$ 10,435	\$ 2,000	\$ 2,060	\$ 2,122	\$ 2,185	\$ 2,251	\$ 2,319	\$ 2,388	\$ 2,460	\$ 2,534	\$ 2,610
5208 Computer Software/Hardware	31	367	600	618	637	656	675	696	716	738	760	783
5209 Office Supplies	296	154	300	329	318	328	338	348	358	369	380	391
5210 Materials/Supplies	3,877	3,220	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219
5200 Chemicals	10,449	8,987	12,500	12,586	13,197	13,812	14,494	15,183	15,900	16,647	17,423	18,231
5600 Lift Station Upgrades	-	-	2,000	2,012	2,181	2,278	1,177	1,478	1,582	1,690	1,800	1,914
Subtotal- Materials & Supplies	\$ 14,562	\$ 12,734	\$ 19,900	\$ 20,723	\$ 21,578	\$ 22,465	\$ 23,386	\$ 24,341	\$ 25,333	\$ 26,363	\$ 27,431	\$ 28,539
5205 Maintenance Agreements	\$ 100	\$ -	\$ 5,000	\$ 5,150	\$ 5,305	\$ 5,464	\$ 5,628	\$ 5,796	\$ 5,970	\$ 6,149	\$ 6,334	\$ 6,524
5225 Facility Maintenance	500	1,440	1,500	1,603	1,657	1,712	1,870	1,929	2,090	2,152	2,217	2,283
5230 Equipment Repairs	22,758	26,009	10,000	10,300	10,609	10,927	11,245	11,563	11,881	12,209	12,537	12,865
5231 Equipment O&M	1,154	977	1,500	1,545	1,591	1,638	1,684	1,730	1,781	1,835	1,890	1,945
5279 Gasoline	5,599	3,332	3,500	3,605	3,713	3,825	3,938	4,057	4,179	4,305	4,434	4,567
5280 Vehicle O&M	158	469	1,200	1,234	1,273	1,311	1,351	1,391	1,433	1,476	1,520	1,564
5281 Vehicle Repairs	10,124	764	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
5310 Testing W/S Samples	3,376	8,568	8,000	8,240	8,487	8,742	9,004	9,274	9,552	9,839	10,134	10,438
5515 Sewer Sludge Removal	581	-	-	-	-	-	-	-	-	-	-	-
Subtotal- Maintenance	\$ 46,192	\$ 51,030	\$ 31,950	\$ 32,909	\$ 33,896	\$ 34,913	\$ 35,960	\$ 37,039	\$ 38,150	\$ 39,294	\$ 40,473	\$ 41,680
5400 Landline Telephone	\$ 1,978	\$ 1,926	\$ 2,100	\$ 2,183	\$ 2,228	\$ 2,295	\$ 2,364	\$ 2,434	\$ 2,508	\$ 2,583	\$ 2,660	\$ 2,740
5401 Cell Phone	75	550	600	618	637	656	675	696	716	738	760	783
5403 Internet DSL	940	1,053	1,200	1,230	1,261	1,293	1,326	1,359	1,394	1,430	1,467	1,505
5420 Electricity	35,438	44,275	50,000	52,160	54,816	57,372	60,031	62,798	65,676	68,670	71,784	75,023
5421 Other Utilities	14,711	-	-	-	-	-	-	-	-	-	-	-
Subtotal- Utility Expense	\$ 53,132	\$ 47,814	\$ 53,700	\$ 56,171	\$ 58,741	\$ 61,415	\$ 64,195	\$ 67,087	\$ 70,094	\$ 73,221	\$ 76,471	\$ 79,851
5160 Licenses/Permits/Filing	1,440	40	500	515	530	546	563	580	597	615	633	652
5230 Postage	-	-	-	-	-	-	-	-	-	-	-	-
5244 General Insurance	6,149	6,978	8,100	8,283	8,471	8,666	8,866	9,072	9,284	9,502	9,727	9,959
5250 Memberships & Dues	-	180	250	258	265	273	281	290	299	307	317	326
5269 School Registration & Tuition	-	337	400	618	637	656	675	696	716	738	760	783
5270 Travel, Meals & Lodging	35	240	300	412	424	437	450	464	478	492	507	522
5370 Uniforms	267	741	900	927	955	983	1,013	1,043	1,075	1,107	1,140	1,174
5415 Equipment Rental	-	571	1,000	515	530	546	563	580	597	615	633	652
5420 Equipment	-	1,728	10,000	10,300	10,609	10,927	11,245	11,563	11,881	12,209	12,537	12,865
5740 UTRWD Water Purchases	-	223,675	279,800	368,550	379,607	390,995	402,725	414,806	427,250	440,068	453,270	466,868
5750 Capital Outlay	-	-	-	-	-	-	-	-	-	-	-	-
5779 Light Farm Sewer Use	-	1,890	-	-	-	-	-	-	-	-	-	-
5780 High School Sewer Line	-	5,902	-	-	-	-	-	-	-	-	-	-
5900 Depreciation Expense	162,710	-	-	-	-	-	-	-	-	-	-	-
Subtotal- Miscellaneous Expense	\$ 666,532	\$ 247,812	\$ 249,050	\$ 368,378	\$ 400,029	\$ 412,030	\$ 424,391	\$ 437,122	\$ 450,236	\$ 463,743	\$ 477,655	\$ 491,985
5144 Transfer to General Fund	\$ 106,200	\$ 107,000	\$ -	\$ 75,000	\$ 77,250	\$ 79,500	\$ 81,750	\$ 84,000	\$ 86,250	\$ 88,500	\$ 90,750	\$ 93,000
5145 Franchise Fee	-	-	-	38,508	73,658	78,500	79,164	79,378	80,592	81,806	83,019	84,233
5805 Transfer to Debt Service Fund	-	-	327,611	321,484	315,357	309,230	293,103	286,976	280,849	274,722	268,595	262,468
Subtotal- Total Transfers	\$ 106,200	\$ 107,000	\$ 327,611	\$ 335,464	\$ 332,012	\$ 326,682	\$ 321,323	\$ 315,975	\$ 310,625	\$ 305,271	\$ 299,922	\$ 294,575
Total Expenditures	\$ 963,916	\$ 566,163	\$ 819,716	\$ 1,206,794	\$ 1,267,283	\$ 1,297,470	\$ 1,371,173	\$ 1,400,639	\$ 1,441,985	\$ 1,474,114	\$ 1,508,071	\$ 1,611,527