



Control Number: 49225



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SOAH DOCKET NO. 473-20-1554.WS
DOCKET NO. 49225

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PETITION BY OUTSIDE CITY §
RATEPAYERS APPEALING THE § PUBLIC UTILITY COMMISSION
WATER RATES ESTABLISHED BY §
THE CITY OF CELINA § OF TEXAS

**CITY OF CELINA'S RESPONSES TO COMMISSION STAFF'S
REQUEST FOR INFORMATION 6-1 THROUGH 6-8**

Now comes CITY OF CELINA ("CELINA") and serves its Responses to the Commission Staff's Sixth Request for Information.

These responses are timely filed. CELINA stipulates that responses to requests for information can be treated by all parties as if the answers were filed under oath. CELINA reserves the right to amend or supplement its responses.

Respectfully submitted,

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By: /s/ Scott Smyth

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ATTORNEYS FOR CITY OF CELINA

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing document has been served on all parties of record on this 23rd day of June, 2020, in accordance with 16 Tex. Admin. Code § 22.74.

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/s/ Scott Smyth
Scott Smyth

**SOAH DOCKET NO. 473-20-1554.WS
DOCKET NO. 49225**

PETITION BY OUTSIDE CITY	§	
RATEPAYERS APPEALING THE	§	PUBLIC UTILITY COMMISSION
WATER RATES ESTABLISHED BY	§	
THE CITY OF CELINA	§	OF TEXAS

**CITY OF CELINA'S RESPONSE TO COMMISSION STAFF'S
SIXTH REQUEST FOR INFORMATION NOS. 6-1 THROUGH 6-8**

REQUEST FOR INFORMATION STAFF 6-1:

Staff 6-1. Provide the total gallons of water billed based on each tier for the test year or fiscal year for outside residents.

RESPONSE:

This data is contained in the City's comprehensive water and wastewater rate model. The most recent version of the model was submitted as a supplemental response to staff's third RFIs. This model was named 2020 06 08 Celina Rate Model Scen I.

To answer the questions in this RFI, the City has separated the spreadsheet labelled Rate Calculator from 2020 06 08 Celina Rate Model Scen I. The City submits this separate spreadsheet, under the following name:

2020 06 08 Celina Rate Model Scen I Rate Calculator

Data responsive to this request can be found on **rows 764 through 769** of this spreadsheet. These rows are highlighted in grey and list water billed by tier for residential outside customers for 2018 and each year of the 3 year rate plan, 2019, 2020, and 2021, as well as a forecast through 2027.

The City further notes that these volumes represent billed water, and are reduced to eliminate the 2,000 gallons included in the monthly minimum charge.

Sponsor: Dan V. Jackson

**SOAH DOCKET NO. 473-20-1554.WS
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PETITION BY OUTSIDE CITY	§	
RATEPAYERS APPEALING THE	§	PUBLIC UTILITY COMMISSION
WATER RATES ESTABLISHED BY	§	
THE CITY OF CELINA	§	OF TEXAS

**CITY OF CELINA'S RESPONSE TO COMMISSION STAFF'S
SIXTH REQUEST FOR INFORMATION NOS. 6-1 THROUGH 6-8**

REQUEST FOR INFORMATION STAFF 6-2:

Staff 6-2. Provide the total gallons of sewer billed based on each tier for the test year or fiscal year for outside residents.

RESPONSE:

To answer the questions in this RFI, the City has separated the spreadsheet labelled Rate Calculator from 2020 06 08 Celina Rate Model Scen I. The City submits this separate spreadsheet, under the following name:

2020 06 08 Celina Rate Model Scen I Rate Calculator

Data responsive to this request can be found on **rows 963 through 965** of this spreadsheet. These rows are highlighted in grey and list wastewater billed by tier for residential outside customers for 2018 and each year of the 3 year rate plan, 2019, 2020, and 2021, as well as a forecast through 2027.

The City further notes that these volumes represent billed wastewater, and are reduced to eliminate the 2,000 gallons included in the monthly minimum charge.

Sponsor: Dan V. Jackson

**SOAH DOCKET NO. 473-20-1554.WS
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PETITION BY OUTSIDE CITY	§	
RATEPAYERS APPEALING THE	§	PUBLIC UTILITY COMMISSION
WATER RATES ESTABLISHED BY	§	
THE CITY OF CELINA	§	OF TEXAS

**CITY OF CELINA'S RESPONSE TO COMMISSION STAFF'S
SIXTH REQUEST FOR INFORMATION NOS. 6-1 THROUGH 6-8**

REQUEST FOR INFORMATION STAFF 6-3:

Staff 6-3. For the City of Celina rate increase, provide the total number of active connections for each meter size for outside residential water services.

RESPONSE:

To answer the questions in this RFI, the City has separated the spreadsheet labelled Rate Calculator from 2020 06 08 Celina Rate Model Scen I. The City submits this separate spreadsheet, under the following name:

2020 06 08 Celina Rate Model Scen I Rate Calculator

Data responsive to this request can be found on **rows 903 through 913** of this spreadsheet. These rows are highlighted in grey and list residential outside customers for 2018 and each year of the 3 year rate plan, 2019, 2020, and 2021, as well as a forecast through 2027.

Sponsor: Dan V. Jackson

**SOAH DOCKET NO. 473-20-1554.WS
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PETITION BY OUTSIDE CITY	§	
RATEPAYERS APPEALING THE	§	PUBLIC UTILITY COMMISSION
WATER RATES ESTABLISHED BY	§	
THE CITY OF CELINA	§	OF TEXAS

**CITY OF CELINA'S RESPONSE TO COMMISSION STAFF'S
SIXTH REQUEST FOR INFORMATION NOS. 6-1 THROUGH 6-8**

REQUEST FOR INFORMATION STAFF 6-4:

Staff 6-4. For the City of Celina rate increase, provide the total number of active connections for each meter size for outside residential sewer services.

RESPONSE:

To answer the questions in this RFI, the City has separated the spreadsheet labelled Rate Calculator from 2020 06 08 Celina Rate Model Scen I. The City submits this separate spreadsheet, under the following name:

2020 06 08 Celina Rate Model Scen I Rate Calculator

Data responsive to this request can be found on **rows 1033 through 1042** of this spreadsheet. These rows list residential outside customers for 2018 and each year of the 3 year rate plan, 2019, 2020, and 2021, as well as a forecast through 2027.

Sponsor: Dan V. Jackson

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WATER RATES ESTABLISHED BY	§	
THE CITY OF CELINA	§	OF TEXAS

**CITY OF CELINA'S RESPONSE TO COMMISSION STAFF'S
SIXTH REQUEST FOR INFORMATION NOS. 6-1 THROUGH 6-8**

REQUEST FOR INFORMATION STAFF 6-5:

Staff 6-5. Provide the total gallons of water billed based on each tier for the test year or fiscal year for inside residents.

RESPONSE:

To answer the questions in this RFI, the City has separated the spreadsheet labelled Rate Calculator from 2020 06 08 Celina Rate Model Scen I. The City submits this separate spreadsheet, under the following name:

2020 06 08 Celina Rate Model Scen I Rate Calculator

Data responsive to this request can be found on **rows 707 through 712** of this spreadsheet. These rows are highlighted in grey and list water billed by tier for residential inside customers for 2018 and each year of the 3 year rate plan, 2019, 2020, and 2021, as well as a forecast through 2027.

The City further notes that these volumes represent billed water, and are reduced to eliminate the 2,000 gallons included in the monthly minimum charge.

Sponsor: Dan V. Jackson

**SOAH DOCKET NO. 473-20-1554.WS
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PETITION BY OUTSIDE CITY	§	
RATEPAYERS APPEALING THE	§	PUBLIC UTILITY COMMISSION
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THE CITY OF CELINA	§	OF TEXAS

**CITY OF CELINA'S RESPONSE TO COMMISSION STAFF'S
SIXTH REQUEST FOR INFORMATION NOS. 6-1 THROUGH 6-8**

REQUEST FOR INFORMATION STAFF 6-6:

Staff 6-6. Provide the total gallons of sewer billed based on each tier for the test year or fiscal year for inside residents.

RESPONSE:

To answer the questions in this RFI, the City has separated the spreadsheet labelled Rate Calculator from 2020 06 08 Celina Rate Model Scen I. The City submits this separate spreadsheet, under the following name:

2020 06 08 Celina Rate Model Scen I Rate Calculator

Data responsive to this request can be found on **rows 959 through 961** of this spreadsheet. These rows are highlighted in grey and list wastewater billed by tier for residential inside customers for 2018 and each year of the 3 year rate plan, 2019, 2020, and 2021, as well as a forecast through 2027.

The City further notes that these volumes represent billed wastewater, and are reduced to eliminate the 2,000 gallons included in the monthly minimum charge.

Sponsor: Dan V. Jackson

**SOAH DOCKET NO. 473-20-1554.WS
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PETITION BY OUTSIDE CITY	§	
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**CITY OF CELINA’S RESPONSE TO COMMISSION STAFF’S
SIXTH REQUEST FOR INFORMATION NOS. 6-1 THROUGH 6-8**

REQUEST FOR INFORMATION STAFF 6-7:

Staff 6-7. For the City of Celina rate increase, provide the total number of active connections for each meter size for inside residential water services.

RESPONSE:

To answer the questions in this RFI, the City has separated the spreadsheet labelled Rate Calculator from 2020 06 08 Celina Rate Model Scen I. The City submits this separate spreadsheet, under the following name:

2020 06 08 Celina Rate Model Scen I Rate Calculator

Data responsive to this request can be found on **rows 799 through 808** of this spreadsheet. These rows are highlighted in grey and list residential inside customers for 2018 and each year of the 3 year rate plan, 2019, 2020, and 2021, as well as a forecast through 2027.

Sponsor: Dan V. Jackson

**SOAH DOCKET NO. 473-20-1554.WS
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PETITION BY OUTSIDE CITY	§	
RATEPAYERS APPEALING THE	§	PUBLIC UTILITY COMMISSION
WATER RATES ESTABLISHED BY	§	
THE CITY OF CELINA	§	OF TEXAS

**CITY OF CELINA’S RESPONSE TO COMMISSION STAFF’S
SIXTH REQUEST FOR INFORMATION NOS. 6-1 THROUGH 6-8**

REQUEST FOR INFORMATION STAFF 6-8:

Staff 6-8. For the City of Celina rate increase, provide the total number of active connections for each meter size for inside residential sewer services.

RESPONSE:

To answer the questions in this RFI, the City has separated the spreadsheet labelled Rate Calculator from 2020 06 08 Celina Rate Model Scen I. The City submits this separate spreadsheet, under the following name:

2020 06 08 Celina Rate Model Scen I Rate Calculator

Data responsive to this request can be found on **rows 1012 through 1021** of this spreadsheet. These rows list residential inside customers for 2018 and each year of the 3 year rate plan, 2019, 2020, and 2021, as well as a forecast through 2027.

Sponsor: Dan V. Jackson

CITY OF CELINA WATER/WASTEWATER COST OF SERVICE MODEL											
	Prior	Current 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Input Area -- Rates Input											
Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I											
Water Rates		1-Jan-18	1-Mar-19	1-Jan-20	1-Jan-21	1-Jan-22	1-Jan-23	1-Jan-24	1-Jan-25	1-Jan-26	1-Jan-27
Elasticity Adjustment on Volume		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Month of Adjustment (Oct = 1) Fiscal Year Oct 1 - Sept 30		4	6	4	4	4	4	4	4	4	4
Meter Charge		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Volume Charge		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Annual Adjustment											
Base Charge (all classes)		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Outside City Service Premium Multiplier - WATER		50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
OR by Indiv Rate Class:	Dashboard										
WI1 Residential Inside		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
WO1 Residential Outside		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
WI2 Commercial Inside		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
WO2 Commercial Outside		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
WI1 Residential Inside	Dashboard	0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
WO1 Residential Outside		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
WI2 Commercial Inside		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
WO2 Commercial Outside		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
WI1 Residential Inside											
Base Charge 3/4"		\$ 22.25	\$ 23.15	23.84	24.56	25.30	26.06	26.84	27.37	27.92	28.48
Base Charge 1"	1.75	38.93	38.93	40.10	41.30	42.54	43.82	45.13	46.03	46.95	47.89
Base Charge 1 1/2"	3.50	77.87	77.87	80.21	82.61	85.09	87.64	90.27	92.08	93.92	95.80
Base Charge 2"	5.60	124.59	124.59	128.33	132.18	136.14	140.23	144.43	147.32	150.27	153.27
Base Charge 3"		-	-	-	-	-	-	-	-	-	-
Base Charge 4"		-	-	-	-	-	-	-	-	-	-
Base Charge 6"		-	-	-	-	-	-	-	-	-	-
Base Charge 8"		-	-	-	-	-	-	-	-	-	-
Usage Charge	2,001 10,000	4.96	5.06	5.21	5.37	5.53	5.70	5.87	5.98	6.10	6.22
	10,001 20,000	7.44	7.66	7.89	8.13	8.37	8.62	8.88	9.06	9.24	9.42
	20,001 30,000	8.68	9.02	9.29	9.57	9.86	10.15	10.46	10.67	10.88	11.10
	30,001 Above	12.40	13.02	13.41	13.81	14.23	14.65	15.09	15.40	15.70	16.02
		-	-	-	-	-	-	-	-	-	-

CITY OF CELINA WATER/WASTEWATER COST OF SERVICE MODEL												
		Prior	Current 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027

Input Area -- Rates Input**Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I****W12 Commercial Inside**

Base Charge	3/4"		\$ 27.81	\$ 27.81	\$ 28.64	\$ 29.50	\$ 30.39	\$ 31.30	\$ 32.24	\$ 32.88	\$ 33.54	\$ 34.21	\$ 34.90
Base Charge	1"	1.75	48.87	48.67	50.13	51.63	53.18	54.78	56.42	57.55	58.70	59.88	61.07
Base Charge	1 1/2"	3.50	97.34	97.34	100.26	103.27	106.37	109.56	112.84	115.10	117.40	119.75	122.15
Base Charge	2"	5.60	155.74	155.74	160.41	165.22	170.18	175.29	180.55	184.16	187.84	191.60	195.43
Base Charge	3"	8.40	233.60	233.60	240.61	247.83	255.26	262.92	270.81	276.22	281.75	287.38	293.13
Base Charge	4"	14.00	389.34	389.34	401.02	413.05	425.44	438.21	451.35	460.38	469.59	478.98	488.56
Base Charge	6"		-	-	-	-	-	-	-	-	-	-	-
Base Charge	8"		-	-	-	-	-	-	-	-	-	-	-
Usage Charge	2,001	10,000	4.96	5.06	5.21	5.37	5.53	5.70	5.87	5.98	6.10	6.22	6.35
	10,001	20,000	7.44	7.66	7.89	8.13	8.37	8.62	8.88	9.06	9.24	9.42	9.61
	20,001	30,000	8.68	9.02	9.29	9.57	9.86	10.15	10.46	10.67	10.88	11.10	11.32
	30,001	Above	12.40	13.02	13.41	13.81	14.23	14.65	15.09	15.40	15.70	16.02	16.34
			-	-	-	-	-	-	-	-	-	-	-

W01 Residential Outside

Base Charge	3/4"		\$ 33.38	\$ 34.72	\$ 35.77	\$ 36.84	\$ 37.95	\$ 39.08	\$ 40.26	\$ 41.06	\$ 41.88	\$ 42.72	\$ 43.57
Base Charge	1"	1.75	58.40	58.40	60.15	61.95	63.81	65.72	67.70	69.05	70.43	71.84	73.28
Base Charge	1 1/2"	3.50	116.81	116.81	120.31	123.92	127.64	131.47	135.41	138.12	140.88	143.70	146.57
Base Charge	2"	5.60	198.89	198.89	192.50	198.27	204.21	210.34	216.65	220.98	225.40	229.91	234.51
Base Charge	3"		-	-	-	-	-	-	-	-	-	-	-
Base Charge	4"		-	-	-	-	-	-	-	-	-	-	-
Base Charge	6"		-	-	-	-	-	-	-	-	-	-	-
Base Charge	8"		-	-	-	-	-	-	-	-	-	-	-
Base Charge	10"		-	-	-	-	-	-	-	-	-	-	-
Usage Charge	2,001	10,000	7.44	7.59	7.82	8.05	8.29	8.54	8.80	8.97	9.15	9.34	9.52
	10,001	20,000	11.16	11.49	11.84	12.19	12.56	12.93	13.32	13.59	13.86	14.14	14.42
	20,001	30,000	13.02	13.53	13.94	14.35	14.78	15.23	15.68	16.00	16.32	16.65	16.98
	30,001	Above	18.60	19.53	20.12	20.72	21.34	21.98	22.64	23.09	23.56	24.03	24.51
			-	-	-	-	-	-	-	-	-	-	-

W02 Commercial Outside

Base Charge	3/4"		\$ 41.72	\$ 41.72	\$ 42.97	\$ 44.26	\$ 45.58	\$ 46.95	\$ 48.36	\$ 49.33	\$ 50.31	\$ 51.32	\$ 52.35
Base Charge	1"	1.75	73.01	73.01	75.20	77.45	79.77	82.17	84.63	86.33	88.05	89.81	91.61
Base Charge	1 1/2"	3.50	146.01	146.01	150.39	154.90	159.55	164.34	169.27	172.65	176.10	179.63	183.22
Base Charge	2"	5.60	233.61	233.61	240.62	247.84	255.27	262.93	270.82	276.23	281.76	287.39	293.14
Base Charge	3"	8.40	350.40	350.40	360.91	371.74	382.89	394.38	406.21	414.33	422.62	431.07	439.69
Base Charge	4"	14.00	584.01	584.01	601.53	619.58	638.16	657.31	677.03	690.57	704.38	718.47	732.84
Base Charge	6"		-	-	-	-	-	-	-	-	-	-	-
Base Charge	8"		-	-	-	-	-	-	-	-	-	-	-
Usage Charge	2,001	10,000	7.44	7.59	7.82	8.05	8.29	8.54	8.80	8.97	9.15	9.34	9.52
	10,001	20,000	11.16	11.49	11.84	12.19	12.56	12.93	13.32	13.59	13.86	14.14	14.42
	20,001	30,000	13.02	13.53	13.94	14.35	14.78	15.23	15.68	16.00	16.32	16.65	16.98
	30,001	Above	18.60	19.53	20.12	20.72	21.34	21.98	22.64	23.09	23.56	24.03	24.51
			-	-	-	-	-	-	-	-	-	-	-

CITY OF CELINA WATER/WASTEWATER COST OF SERVICE MODEL											
	Prior	Current 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027

Input Area -- Rates Input**Scenario:** 2020 06 08 DVJ Rebuttal Testimony Scen I**Wastewater Rates**

Base Charge		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Volume Charge	Residential	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-Residential	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Outside City Service Premium Multiplier – WASTEWATER		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Annual Adjustment

Base Charge – All Classes	Dashboard	0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
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Volume Charge

WWI1 Residential Inside	Dashboard	0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
WWO1 Residential Outside		0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
WWI2 Commercial Inside		0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
WWO2 Commercial Outside		0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
WWI3 Other I3		0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
WWI4 Other I4		0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
WWI5 Other I5		0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
WWI6 Other I6		0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
WWI7 Other I7		0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%
WWI8 Other I8		0.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	3.00%	3.00%	3.00%	3.00%

WWI1 Residential Inside

Base Charge	3/4" (Wtr Mtr Size)	\$ 20.60	\$ 21.50	\$ 23.44	\$ 25.54	\$ 27.84	\$ 30.35	\$ 33.08	\$ 34.07	\$ 35.10	\$ 36.15	\$ 37.23
	1"	38.63	38.63	42.11	45.90	50.03	54.53	59.44	61.22	63.06	64.95	66.90
	1 1/2"	72.10	72.10	78.59	85.66	93.37	101.78	110.93	114.26	117.69	121.22	124.86
	2"	123.60	123.60	134.72	146.85	160.07	174.47	190.17	195.88	201.76	207.81	214.04
	3"	-	-	-	-	-	-	-	-	-	-	-
	4"	-	-	-	-	-	-	-	-	-	-	-
	6"	-	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-	-
Usage Charge	2,001 5,000	5.73	5.84	5.84	6.37	6.94	7.56	8.24	8.49	8.75	9.01	9.28
	5,001 14,000	5.73	5.84	7.23	7.88	8.59	9.36	10.21	10.51	10.83	11.15	11.49

WWO1 Residential Outside

Base Charge	3/4" (Wtr Mtr Size)	\$ 20.60	21.50	23.44	25.54	27.84	30.35	33.08	34.07	35.10	36.15	37.23
	1"	38.63	38.63	42.11	45.90	50.03	54.53	59.44	61.22	63.06	64.95	66.90
	1 1/2"	72.10	72.10	78.59	85.66	93.37	101.78	110.93	114.26	117.69	121.22	124.86
	2"	123.60	123.60	134.72	146.85	160.07	174.47	190.17	195.88	201.76	207.81	214.04
	3"	-	-	-	-	-	-	-	-	-	-	-
	4"	-	-	-	-	-	-	-	-	-	-	-
	6"	-	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-	-
	10"	-	-	-	-	-	-	-	-	-	-	-
Usage Charge	2,001 5,000	5.73	5.84	5.84	6.37	6.94	7.56	8.24	8.49	8.75	9.01	9.28
	5,001 14,000	5.73	5.84	7.23	7.88	8.59	9.36	10.21	10.51	10.83	11.15	11.49
			0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

CITY OF CELINA WATER/WASTEWATER COST OF SERVICE MODEL											
	Prior	Current 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027

Input Area -- Rates Input

Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I

WWI2 Commercial Inside

Base Charge	3/4" (Wtr Mtr Size)	\$ 25.75	25.75	28.07	30.59	33.35	36.35	39.62	40.81	42.03	43.29	44.59
	1"	48.29	48.29	52.64	57.37	62.54	68.17	74.30	76.53	78.83	81.19	83.63
	1 1/2"	90.13	90.13	98.24	107.08	116.72	127.23	138.68	142.84	147.12	151.54	156.08
	2"	154.50	154.50	168.41	183.56	200.08	218.09	237.72	244.85	252.19	259.76	267.55
	4"	386.25	386.25	421.01	458.90	500.20	545.22	594.29	612.12	630.49	649.40	668.88
	6"	-	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-	-
Usage Charge	2.001 Above	5.73	5.84	6.37	6.94	7.56	8.24	8.99	9.26	9.53	9.82	10.11
		-	-	-	-	-	-	-	-	-	-	-

WWO2 Commercial Outside

Base Charge	3/4"	\$ 25.75	\$ 25.75	\$ 28.07	\$ 30.59	\$ 33.35	\$ 36.35	\$ 39.62	\$ 40.81	\$ 42.03	\$ 43.29	\$ 44.59
	1"	48.29	48.29	52.64	57.37	62.54	68.17	74.30	76.53	78.83	81.19	83.63
	1 1/2"	90.13	90.13	98.24	107.08	116.72	127.23	138.68	142.84	147.12	151.54	156.08
	2"	154.50	154.50	168.41	183.56	200.08	218.09	237.72	244.85	252.19	259.76	267.55
	4"	386.25	386.25	421.01	458.90	500.20	545.22	594.29	612.12	630.49	649.40	668.88
	6"	-	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-	-
Usage Charge	2.001 Above	5.73	5.84	6.37	6.94	7.56	8.24	8.99	9.26	9.53	9.82	10.11
		-	-	-	-	-	-	-	-	-	-	-
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Net Revenues Available for Contingency and Coverage

Water	1,588,686	1,065,416	2,430,292	940,216	1,461,289	1,585,188	2,519,131	2,374,946	3,019,236	3,718,421
Wastewater	(350,296)	(733,361)	209,083	(423,295)	334,775	(199,401)	516,504	(320,051)	243,390	(25,522)
Total	1,238,390	332,054	2,639,375	516,921	1,796,064	1,385,786	3,035,635	2,054,895	3,262,626	3,692,899
	14.3%	3.0%	18.8%	3.2%	9.5%	6.4%	12.5%	7.8%	11.4%	11.9%
Debt Coverage										
Water Fund Only	2.24	1.43	2.00	1.22	1.34	1.31	1.49	1.44	1.55	1.67
WW Fund Only	0.63	0.61	1.11	0.86	1.11	0.96	1.11	0.95	1.04	1.00
Combined W & WW Funds	1.56	1.08	1.61	1.07	1.25	1.14	1.32	1.18	1.29	1.29
Combined FB Days of Operating Expenses	160	131	190	161	184	181	223	225	262	291

CITY OF CELINA
WATER/WASTEWATER COST OF SERVICE MODEL

Input Area – Rates Input

Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I

WATER Rate Revenues**W1 Residential Inside**

3/4"	\$ 1,599,020	\$ 2,007,737	\$ 2,496,368	\$ 2,858,730	\$ 3,240,770	\$ 3,636,546	\$ 4,012,382	\$ 4,367,167	\$ 4,703,520	\$ 5,065,779
1"	1,073,385	1,338,958	1,664,826	1,906,485	2,161,267	2,425,210	2,675,855	2,912,461	3,136,774	3,378,364
1 1/2"	1,413	1,760	2,189	2,506	2,841	3,188	3,518	3,829	4,124	4,441
2"	6,020	7,492	9,315	10,668	12,093	13,570	14,973	16,297	17,552	18,904
3"	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-
Total	\$ 2,679,839	\$ 3,355,947	\$ 4,172,699	\$ 4,778,388	\$ 5,416,971	\$ 6,078,515	\$ 6,706,728	\$ 7,299,753	\$ 7,861,970	\$ 8,467,488

W2 Commercial Inside

3/4"	\$ 533,913	\$ 672,583	\$ 836,273	\$ 957,663	\$ 1,085,644	\$ 1,218,228	\$ 1,344,131	\$ 1,462,983	\$ 1,575,660	\$ 1,697,015
1"	220,740	277,886	345,517	395,670	448,548	503,326	555,345	604,450	651,004	701,143
1 1/2"	53,404	67,140	83,480	95,597	108,373	121,608	134,176	146,040	157,288	169,402
2"	351,505	441,346	548,758	628,413	712,394	799,395	882,012	960,002	1,033,940	1,113,573
3"	204,674	256,640	319,100	365,419	414,253	464,844	512,885	558,236	601,230	647,536
4"	40,077	50,158	62,365	71,417	80,962	90,849	100,238	109,102	117,504	126,555
6"	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-
Total	\$ 1,404,313	\$ 1,765,753	\$ 2,195,493	\$ 2,514,180	\$ 2,850,175	\$ 3,198,250	\$ 3,528,788	\$ 3,840,812	\$ 4,136,626	\$ 4,455,224

WO1 Residential Outside

3/4"	\$ 381,517	\$ 478,730	\$ 595,251	\$ 681,664	\$ 772,746	\$ 867,100	\$ 956,715	\$ 1,041,310	\$ 1,121,510	\$ 1,207,887
1"	973,682	1,213,411	1,508,708	1,727,670	1,958,555	2,197,742	2,424,878	2,639,292	2,842,566	3,061,497
1 1/2"	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-
Total	\$ 1,355,180	\$ 1,692,142	\$ 2,103,959	\$ 2,409,334	\$ 2,731,301	\$ 3,064,842	\$ 3,381,593	\$ 3,680,601	\$ 3,964,076	\$ 4,269,384

WO2 Commercial Outside

3/4"	99,694	125,647	156,226	178,902	202,810	227,578	251,098	273,301	294,350	317,021
1"	70,841	89,249	110,970	127,077	144,060	161,653	178,360	194,131	209,083	225,186
1 1/2"	33,375	42,013	52,238	59,820	67,815	76,096	83,961	91,385	98,423	106,004
2"	196,030	246,559	306,565	351,063	397,979	446,582	492,736	536,305	577,611	622,097
3"	-	-	-	-	-	-	-	-	-	-
4"	33,533	42,069	52,308	59,900	67,906	76,198	84,074	91,508	98,555	106,146
6"	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-
Total	\$ 433,474	\$ 545,538	\$ 678,306	\$ 776,763	\$ 880,569	\$ 988,108	\$ 1,090,229	\$ 1,188,630	\$ 1,278,022	\$ 1,376,454

Water Revenues by Class

W1 Residential Inside	\$ 2,679,839	\$ 3,355,947	\$ 4,172,699	\$ 4,778,388	\$ 5,416,971	\$ 6,078,515	\$ 6,706,728	\$ 7,299,753	\$ 7,861,970	\$ 8,467,488
W2 Commercial Inside	1,404,313	1,765,753	2,195,493	2,514,180	2,850,175	3,198,250	3,528,788	3,840,812	4,136,626	4,455,224
WO1 Residential Outside	1,355,180	1,692,142	2,103,959	2,409,334	2,731,301	3,064,842	3,381,593	3,680,601	3,964,076	4,269,384
WO2 Commercial Outside	433,474	545,538	678,306	776,763	880,569	988,108	1,090,229	1,188,630	1,278,022	1,376,454
	5,872,806	7,359,380	9,150,457	10,478,665	11,879,016	13,329,715	14,707,339	16,007,796	17,240,695	18,568,550
Total Water Revenue	\$ 5,872,806	\$ 7,359,380	\$ 9,150,457	\$ 10,478,665	\$ 11,879,016	\$ 13,329,715	\$ 14,707,339	\$ 16,007,796	\$ 17,240,695	\$ 18,568,550

**CITY OF CELINA
WATER/WASTEWATER COST OF SERVICE MODEL**

Input Area -- Rates Input**Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I**

<u>Less Revenues to be Raised from Rates</u>																					
W11	Residential Inside	\$	2,091,129	\$	3,327,962	\$	3,275,503	\$	5,135,898	\$	5,607,707	\$	6,417,979	\$	6,617,058	\$	7,543,261	\$	7,902,184	\$	8,303,825
W12	Commercial Inside		684,604		1,098,665		1,076,409		1,702,819		1,854,802		2,126,544		2,189,868		2,495,497		2,612,551		2,744,761
WO1	Residential Outside		1,408,604		1,743,786		2,211,113		2,520,574		2,759,401		2,987,912		3,157,231		3,356,343		3,461,712		3,550,457
WO2	Commercial Outside		99,784		123,552		157,141		179,159		195,817		212,092		224,050		237,749		245,012		251,085
Sub-Total			4,284,120		6,293,965		6,720,165		9,538,450		10,417,727		11,744,527		12,188,207		13,632,850		14,221,459		14,850,128
<u>Rate Revenue Less RRRR</u>																					
W11	Residential Inside		588,710		27,985		897,196		(357,509)		(190,735)		(339,464)		89,670		(243,509)		(40,215)		163,663
W12	Commercial Inside		719,710		667,089		1,119,084		811,361		995,372		1,071,705		1,338,920		1,345,315		1,524,076		1,710,463
WO1	Residential Outside		(53,424)		(51,644)		(107,154)		(111,241)		(28,100)		76,930		224,362		324,258		502,365		718,927
WO2	Commercial Outside		333,690		421,886		521,186		597,604		664,752		776,016		866,179		948,881		1,033,010		1,125,369
Total			1,888,686		1,065,416		2,430,292		940,216		1,461,289		1,585,188		2,519,131		2,374,948		3,019,236		3,718,421

**CITY OF CELINA
WATER/WASTEWATER COST OF SERVICE MODEL**

Input Area -- Rates Input**Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I****WW Rate Revenue**

WWI1 Residential Inside	\$	1,888,596	\$	2,440,062	\$	3,257,496	\$	3,948,346	\$	4,737,510	\$	5,626,570	\$	6,364,209	\$	6,995,640	\$	7,609,018	\$	8,276,176
WWO1 Residential Outside		696,604		906,795		1,213,526		1,470,891		1,764,881		2,096,085		2,370,880		2,606,110		2,834,613		3,083,152
WWI2 Commercial Inside		231,926		297,623		395,405		479,262		575,053		682,970		772,507		849,152		923,606		1,004,587
WWO2 Commercial Outside		-		-		-		-		-		-		-		-		-		-
Sub-Total		2,817,126		3,644,480		4,866,427		5,898,499		7,077,444		8,405,625		9,507,596		10,450,902		11,367,237		12,363,916

WWI1 Residential Inside

3/4"	\$	598,083	\$	778,083	\$	1,039,993	\$	1,260,555	\$	1,512,504	\$	1,796,347	\$	2,031,846	\$	2,233,438	\$	2,429,266	\$	2,642,264
1"		1,269,593		1,660,799		2,215,933		2,685,888		3,222,722		3,827,511		4,329,294		4,758,829		5,176,083		5,629,922
1 1/2"		-		-		-		-		-		-		-		-		-		-
2"		920		1,180		1,571		1,904		2,284		2,713		3,068		3,373		3,669		3,990
3"		-		-		-		-		-		-		-		-		-		-
4"		-		-		-		-		-		-		-		-		-		-
6"		-		-		-		-		-		-		-		-		-		-
Total		1,888,596		2,440,062		3,257,496		3,948,346		4,737,510		5,626,570		6,364,209		6,995,640		7,609,018		8,276,176

WWO1 Residential Outside

3/4"	67%	33%	\$	696,604	\$	906,795	\$	1,213,526	\$	1,470,891	\$	1,764,881	\$	2,096,085	\$	2,370,880	\$	2,606,110	\$	2,834,613	\$	3,083,152
1"				-		-		-		-		-		-		-		-		-		-
1 1/2"				-		-		-		-		-		-		-		-		-		-
2"				-		-		-		-		-		-		-		-		-		-
3"				-		-		-		-		-		-		-		-		-		-
4"				-		-		-		-		-		-		-		-		-		-
6"				-		-		-		-		-		-		-		-		-		-
8"				-		-		-		-		-		-		-		-		-		-
10"				-		-		-		-		-		-		-		-		-		-
Total				696,604		906,795		1,213,526		1,470,891		1,764,881		2,096,085		2,370,880		2,606,110		2,834,613		3,083,152

WWI2 Commercial Inside

3/4"	\$	106,579	\$	136,947	\$	181,941	\$	220,527	\$	264,604	\$	314,261	\$	355,460	\$	390,727	\$	424,986	\$	462,249
1"		21,771		27,950		37,133		45,008		54,004		64,138		72,547		79,745		86,737		94,342
1 1/2"		9,514		12,202		16,211		19,649		23,577		28,001		31,672		34,814		37,867		41,187
2"		75,848		97,203		129,139		156,527		187,812		223,057		252,300		277,332		301,649		328,097
3"		-		-		-		-		-		-		-		-		-		-
4"		18,214		23,320		30,981		37,552		45,057		53,513		60,528		66,534		72,367		78,713
6"		-		-		-		-		-		-		-		-		-		-
8"		-		-		-		-		-		-		-		-		-		-
Total		\$ 231,926		\$ 297,623		\$ 395,405		\$ 479,262		\$ 575,053		\$ 682,970		\$ 772,507		\$ 849,152		\$ 923,606		\$ 1,004,587

WWO2 Commercial Outside

3/4"	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
1"		-		-		-		-		-		-		-		-		-		-
1 1/2"		-		-		-		-		-		-		-		-		-		-
2"		-		-		-		-		-		-		-		-		-		-
3"		-		-		-		-		-		-		-		-		-		-
4"		-		-		-		-		-		-		-		-		-		-
6"		-		-		-		-		-		-		-		-		-		-
8"		-		-		-		-		-		-		-		-		-		-
Total		-		-		-		-		-		-		-		-		-		-

**CITY OF CELINA
WATER/WASTEWATER COST OF SERVICE MODEL**

Input Area – Rates Input**Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I**Less Revenues to be Raised from Rates

WWI1 Residential Inside	\$	1,018,510	\$	1,918,359	\$	1,988,228	\$	3,022,791	\$	2,890,794	\$	4,208,877	\$	4,101,532	\$	5,301,346	\$	5,318,656	\$	6,268,647
WWO1 Residential Outside		2,027,024		2,228,219		2,429,603		2,933,778		3,502,991		3,886,763		4,393,486		4,827,280		5,161,070		5,360,990
WWI2 Commercial Inside		121,889		231,263		239,513		365,225		348,883		509,387		496,075		642,328		644,121		759,800
WWO2 Commercial Outside		-		-		-		-		-		-		-		-		-		-
Sub-Total		3,167,422		4,377,841		4,657,344		6,321,794		6,742,669		8,605,027		8,991,092		10,770,953		11,123,847		12,389,438

Rate Revenue Less RRRR

WWI1 Residential Inside	\$	870,086	\$	521,703	\$	1,269,269	\$	925,555	\$	1,846,716	\$	1,417,693	\$	2,262,677	\$	1,694,295	\$	2,290,361	\$	2,007,529
WWO1 Residential Outside		(1,330,419)		(1,321,424)		(1,216,077)		(1,462,887)		(1,738,110)		(1,790,678)		(2,022,605)		(2,221,170)		(2,326,456)		(2,277,838)
WWI2 Commercial Inside		110,037		66,359		155,891		114,037		226,170		173,583		276,432		206,824		279,485		244,787
WWO2 Commercial Outside		-		-		-		-		-		-		-		-		-		-

Revenues

Water Rate Revenues	\$	5,872,806	\$	7,359,380	\$	9,150,457	\$	10,478,665	\$	11,879,016	\$	13,329,715	\$	14,707,339	\$	16,007,796	\$	17,240,695	\$	18,568,550
WW Rate Revenues		2,817,126		3,644,480		4,866,427		5,898,499		7,077,444		8,405,625		9,507,596		10,450,902		11,367,237		12,363,916
Non-Rate Revenues		2,879,300		2,879,300		3,087,874		2,334,441		2,335,498		2,302,811		2,233,702		2,126,824		1,982,384		2,047,283
		11,569,232		13,883,160		17,104,759		18,711,606		21,291,958		24,038,151		26,448,637		28,585,522		30,590,315		32,979,749

CITY OF CELINA WATER/WASTEWATER COST OF SERVICE MODEL														
			Prior	Current 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
Input Area -- Rates Input														
Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I														
WATER -- Customer and Usage Data														
Net Annual Volume after Minimum:														
W11	Residential Inside	2,001	10,000	80.0%	133,311,710	163,120,543	195,947,288	217,854,440	239,775,199	261,220,933	281,664,312	300,558,566	317,359,978	335,100,599
		10,001	20,000	20.0%	44,437,237	54,373,514	65,315,763	72,618,147	79,925,066	87,073,644	93,888,104	100,186,189	105,786,659	111,700,200
		20,001	30,000	15.0%	33,327,928	40,780,136	48,986,822	54,463,610	59,943,800	65,305,233	70,416,078	75,139,641	79,339,994	83,775,150
		30,001	Above	5.0%	11,109,309	13,593,379	16,328,841	18,154,537	19,981,267	21,768,411	23,472,026	25,046,547	26,446,665	27,925,050
		-	-	0.0%	-	-	-	-	-	-	-	-	-	-
			100.0%	222,186,184	271,867,571	326,578,813	363,090,733	399,625,332	435,368,222	469,440,520	500,930,943	528,933,296	558,500,998	
W12	Commercial Inside	2,001	10,000	5.0%	4,916,805	6,016,215	7,226,932	8,034,912	8,843,394	9,634,356	10,388,349	11,085,207	11,704,877	12,359,187
		10,001	20,000	5.0%	4,916,805	6,016,215	7,226,932	8,034,912	8,843,394	9,634,356	10,388,349	11,085,207	11,704,877	12,359,187
		20,001	30,000	15.0%	14,750,416	18,048,646	21,680,796	24,104,736	26,530,181	28,903,067	31,165,047	33,255,621	35,114,631	37,077,561
		30,001	Above	75.0%	73,752,078	90,243,228	108,403,978	120,523,678	132,650,907	144,515,337	155,825,234	166,278,107	175,573,157	185,387,807
		-	-	0.0%	-	-	-	-	-	-	-	-	-	-
			100.0%	98,336,104	120,324,304	144,538,637	160,698,238	176,867,876	192,687,116	207,766,978	221,704,143	234,097,543	247,183,742	
W01	Residential Outside	2,001	10,000	70.0%	49,836,799	60,980,432	73,252,272	81,441,968	89,636,750	97,653,951	105,296,435	112,359,799	118,640,782	125,272,876
		10,001	20,000	25.0%	17,798,857	21,778,726	26,161,526	29,086,417	32,013,125	34,876,411	37,605,870	40,128,499	42,371,708	44,740,313
		20,001	30,000	5.0%	3,559,771	4,355,745	5,232,305	5,817,283	6,402,625	6,975,282	7,521,174	8,025,700	8,474,342	8,948,063
		30,001	Above	0.0%	-	-	-	-	-	-	-	-	-	-
		-	-	0.0%	-	-	-	-	-	-	-	-	-	-
			100.0%	71,195,428	87,114,903	104,646,103	116,345,668	128,052,500	139,505,644	150,423,478	160,513,998	169,486,831	178,961,251	
W02	Commercial Outside	2,001	10,000	5.0%	1,086,503	1,329,448	1,596,989	1,775,535	1,954,191	2,128,976	2,295,592	2,449,582	2,586,515	2,731,103
		10,001	20,000	5.0%	1,086,503	1,329,448	1,596,989	1,775,535	1,954,191	2,128,976	2,295,592	2,449,582	2,586,515	2,731,103
		20,001	30,000	15.0%	3,259,510	3,988,345	4,790,968	5,326,605	5,862,574	6,386,928	6,886,775	7,348,745	7,759,544	8,193,308
		30,001	Above	75.0%	16,297,551	19,941,725	23,954,842	26,633,024	29,312,869	31,934,641	34,433,874	36,743,724	38,797,721	40,966,538
		-	-	0.0%	-	-	-	-	-	-	-	-	-	-
			100.0%	21,730,069	26,588,966	31,939,790	35,510,698	39,083,825	42,579,521	45,911,832	48,991,632	51,730,295	54,622,051	
Total				413,447,785	505,895,744	607,703,343	675,645,338	743,629,533	810,140,503	873,542,808	932,140,716	984,247,965	1,039,268,042	
	1,501	15,000	45.7%	189,151,818	231,446,638	278,023,481	309,106,855	340,209,534	370,638,216	399,644,687	426,453,153	450,292,151	475,463,764	
	15,001	25,000	16.5%	68,239,402	83,497,904	100,301,210	111,515,011	122,735,776	133,713,387	144,177,914	153,849,477	162,449,759	171,530,802	
	25,001	50,000	13.3%	54,897,625	67,172,871	80,690,891	89,712,234	98,739,180	107,570,511	115,989,073	123,769,708	130,688,512	137,994,081	
	50,001	75,000	24.5%	101,158,939	123,778,331	148,687,761	165,311,239	181,945,042	198,218,389	213,731,133	228,068,378	240,817,543	254,279,395	
	75,001	Above	0.0%	-	-	-	-	-	-	-	-	-	-	
			100.0%	413,447,785	505,895,744	607,703,343	675,645,338	743,629,533	810,140,503	873,542,808	932,140,716	984,247,965	1,039,268,042	

**CITY OF CELINA
WATER/WASTEWATER COST OF SERVICE MODEL**

Input Area -- Rates Input

Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I

Customer Class Units -- Total Bills - Water												
W1	Residential Inside	Total Bills	43,332	53,021	63,691	70,812	77,937	84,908	91,553	97,694	103,156	108,922
		3/4"	65.626%	65.63%	65.63%	65.63%	65.63%	65.63%	65.63%	65.63%	65.63%	65.63%
		1"	34.257%	34.26%	34.26%	34.26%	34.26%	34.26%	34.26%	34.26%	34.26%	34.26%
		1 1/2"	0.029%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
		2"	0.088%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%
		3"	0.000%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		4"	0.000%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		6"	0.000%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		8"	0.000%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		Total Accounts			1,310	1,310	1,310	1,310	1,310	1,310	1,310	1,310
Total			3,811	4,418	5,285	5,901	6,466	7,076	7,659	8,141	8,596	
W2	Commercial Inside	Total Bills	2,892	3,539	4,251	4,726	5,202	5,667	6,110	6,520	6,885	7,270
		3/4"	43.81%	43.81%	43.81%	43.81%	43.81%	43.81%	43.81%	43.81%	43.81%	43.81%
		1"	17.26%	17.26%	17.26%	17.26%	17.26%	17.26%	17.26%	17.26%	17.26%	17.26%
		1 1/2"	3.76%	3.76%	3.76%	3.76%	3.76%	3.76%	3.76%	3.76%	3.76%	3.76%
		2"	22.12%	22.12%	22.12%	22.12%	22.12%	22.12%	22.12%	22.12%	22.12%	22.12%
		3"	11.28%	11.28%	11.28%	11.28%	11.28%	11.28%	11.28%	11.28%	11.28%	11.28%
		4"	1.77%	1.77%	1.77%	1.77%	1.77%	1.77%	1.77%	1.77%	1.77%	1.77%
		6"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		8"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		Total Accounts			106	129	155	173	190	207	223	238
3/4"			42	51	61	68	75	81	88	94	105	
1"			9	11	13	15	16	18	19	20	22	
1 1/2"			53	65	78	87	96	104	113	120	127	
2"			27	33	40	44	49	53	57	61	65	
3"			4	5	6	7	8	8	9	10	10	
4"			-	-	-	-	-	-	-	-	-	
6"			-	-	-	-	-	-	-	-	-	
8"			-	-	-	-	-	-	-	-	-	
Total			241	295	354	394	433	472	509	543	574	

**CITY OF CELINA
WATER/WASTEWATER COST OF SERVICE MODEL**

Input Area – Rates Input**Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I**

WO1 Residential Outside	Total	14,526	17,774	21,351	23,738	26,127	28,463	30,691	32,750	34,580	36,513
3/4"		33.95%	33.95%	33.95%	33.95%	33.95%	33.95%	33.95%	33.95%	33.95%	33.95%
1"		66.05%	66.05%	66.05%	66.05%	66.05%	66.05%	66.05%	66.05%	66.05%	66.05%
1 1/2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Accounts											
3/4"		419	489	593	672	759	832	891	940	991	1,043
1"		800	979	1,213	1,396	1,596	1,792	1,954	2,081	2,209	2,316
1 1/2"		-	-	-	-	-	-	-	-	-	-
2"		-	-	-	-	-	-	-	-	-	-
3"		-	-	-	-	-	-	-	-	-	-
4"		-	-	-	-	-	-	-	-	-	-
6"		-	-	-	-	-	-	-	-	-	-
8"		-	-	-	-	-	-	-	-	-	-
Total		1,219	1,468	1,806	1,978	2,177	2,372	2,558	2,729	2,892	3,043
WO2 Commercial Outside	Total	330	404	485	539	594	647	697	744	786	830
3/4"		25.49%	25.49%	25.49%	25.49%	25.49%	25.49%	25.49%	25.49%	25.49%	25.49%
1"		17.65%	17.65%	17.65%	17.65%	17.65%	17.65%	17.65%	17.65%	17.65%	17.65%
1 1/2"		7.84%	7.84%	7.84%	7.84%	7.84%	7.84%	7.84%	7.84%	7.84%	7.84%
2"		43.14%	43.14%	43.14%	43.14%	43.14%	43.14%	43.14%	43.14%	43.14%	43.14%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		5.88%	5.88%	5.88%	5.88%	5.88%	5.88%	5.88%	5.88%	5.88%	5.88%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Accounts											
3/4"		7	9	10	11	13	14	15	16	17	18
1"		5	6	7	8	9	10	10	11	12	12
1 1/2"		2	3	3	4	4	4	5	5	5	5
2"		12	15	17	19	21	23	25	27	28	30
3"		-	-	-	-	-	-	-	-	-	-
4"		2	2	2	3	3	3	3	4	4	4
6"		-	-	-	-	-	-	-	-	-	-
8"		-	-	-	-	-	-	-	-	-	-
Total		28	34	40	45	49	54	58	62	65	69
Total System		61,080	74,738	89,778	99,815	109,859	119,685	129,051	137,708	145,406	153,534

CITY OF CELINA WATER/WASTEWATER COST OF SERVICE MODEL												
	Prior	Current	2019	2020	2021	2022	2023	2024	2025	2026	2027	
Input Area -- Rates Input												
Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I												
WASTEWATER -- Customer & Usage Data												
Customer Class Units -- Base Annual Usage												
Residential Inside		198,225,669	242,828,219	291,542,068	324,194,780	356,873,614	388,849,490	419,335,290	447,514,621	472,575,440	499,039,665	
Residential Outside		97,262,463	119,049,255	143,049,584	159,071,138	175,105,509	190,794,962	205,753,287	219,579,908	231,876,383	244,861,460	
Commercial Inside		24,220,811	29,646,273	35,622,962	39,612,733	43,605,697	47,512,767	51,237,768	54,680,946	57,743,079	60,976,692	
Commercial Outside		-	-	-	-	-	-	-	-	-	-	
Total Wastewater and Reclaimed Water		319,708,944	391,323,747	470,214,615	522,878,651	575,584,820	627,157,219	676,326,345	721,775,476	762,194,902	804,877,817	
Net Annual Volume after Minimum:												
Residential Inside	2,001	5,000	50%	62,386,835	76,361,486	91,755,961	102,032,629	112,317,518	122,381,167	131,975,851	140,844,628	148,731,927
	5,001	14,000	50%	62,386,835	76,361,486	91,755,961	102,032,629	112,317,518	122,381,167	131,975,851	140,844,628	148,731,927
			100%	124,773,669	152,722,971	183,511,922	204,065,258	224,635,036	244,762,335	263,951,702	281,689,256	297,463,855
Residential Outside	2,001	5,000	50%	34,855,232	42,662,803	51,263,825	57,005,150	62,751,270	68,373,783	73,734,288	78,689,232	83,095,829
	5,001	14,000	50%	34,855,232	42,662,803	51,263,825	57,005,150	62,751,270	68,373,783	73,734,288	78,689,232	83,095,829
			100%	69,710,463	85,325,607	102,527,249	114,010,301	125,502,539	136,747,567	147,468,576	157,378,464	166,191,658
Commercial Inside	2,001	Above	100%	20,692,811	25,328,001	30,434,126	33,842,748	37,254,097	40,592,064	43,774,482	46,716,127	49,332,231
	-	-	0%	34,855,232	42,662,803	51,263,825	57,005,150	62,751,270	68,373,783	73,734,288	78,689,232	83,095,829
			100%	20,692,811	25,328,001	30,434,126	33,842,748	37,254,097	40,592,064	43,774,482	46,716,127	49,332,231
Commercial Outside	2,001	Above	100%	-	-	-	-	-	-	-	-	-
	-	-	0%	34,855,232	42,662,803	51,263,825	57,005,150	62,751,270	68,373,783	73,734,288	78,689,232	83,095,829
			100%	-	-	-	-	-	-	-	-	-
Total Wastewater				215,176,944	263,376,579	316,473,298	351,918,307	387,391,672	422,101,966	455,194,760	485,783,848	512,987,744
Customer Class Units -- Total Bills												
Residential Inside	Total Bills			36,726	44,953	54,015	60,065	66,119	72,044	77,692	82,913	87,556
	3/4"			39.80%	39.80%	39.80%	39.80%	39.80%	39.80%	39.80%	39.80%	39.80%
	1"			60.18%	60.18%	60.18%	60.18%	60.18%	60.18%	60.18%	60.18%	60.18%
	1 1/2"			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	2"			0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%
	3"			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	4"			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	6"			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	8"			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Accounts												
	3/4"			1,218	1,491	1,792	1,992	2,193	2,389	2,577	2,750	2,904
	1"			1,842	2,254	2,709	3,012	3,316	3,613	3,896	4,158	4,391
	1 1/2"			-	-	-	-	-	-	-	-	-
	2"			1	1	1	1	1	1	1	1	1
	3"			-	-	-	-	-	-	-	-	-
	4"			-	-	-	-	-	-	-	-	-
	6"			-	-	-	-	-	-	-	-	-
	8"			-	-	-	-	-	-	-	-	-
				3,061	3,746	4,501	5,005	5,510	6,004	6,474	6,909	7,296
												7,705

CITY OF CELINA
WATER/WASTEWATER COST OF SERVICE MODEL

Input Area – Rates Input**Scenario:** 2020 06 08 DVJ Rebuttal Testimony Scen I

Residential Outside	Total Bills	13,776	16,862	20,261	22,530	24,801	27,024	29,142	31,101	32,842	34,682
	3/4"	100 00%	100 00%	100 00%	100 00%	100 00%	100 00%	100 00%	100 00%	100 00%	100 00%
	1"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
	1 1/2"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
	2"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
	3"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
	4"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
	6"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
	8"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%

Total Accounts

3/4"	1,144	1,405	1,684	1,874	2,007	2,253	2,434	2,592	2,737	2,890
1"										
1 1/2"										
2"										
3"										
4"										
6"										
8"										

Commercial Inside	Total Bills	1,764	2,159	2,594	2,885	3,176	3,460	3,732	3,982	4,205	4,441
	3/4"	64 39%	64 39%	64 39%	64 39%	64 39%	64 39%	64 39%	64 39%	64 39%	64 39%
	1"	10 61%	10 61%	10 61%	10 61%	10 61%	10 61%	10 61%	10 61%	10 61%	10 61%
	1 1/2"	3 41%	3 41%	3 41%	3 41%	3 41%	3 41%	3 41%	3 41%	3 41%	3 41%
	2"	19 32%	19 32%	19 32%	19 32%	19 32%	19 32%	19 32%	19 32%	19 32%	19 32%
	3"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
	4"	2 27%	2 27%	2 27%	2 27%	2 27%	2 27%	2 27%	2 27%	2 27%	2 27%
	6"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
	8"	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%

Total Accounts

3/4"	95	116	139	155	170	186	200	214	226	238
1"	16	19	23	25	28	31	33	35	37	39
1 1/2"	5	6	7	8	9	10	11	11	12	13
2"	28	35	42	46	51	56	60	64	68	71
3"	-	-	-	-	-	-	-	-	-	-
4"	3	4	5	5	6	7	7	8	8	8
6"	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-
	147	180	216	240	265	288	311	332	350	370

CITY OF CELINA
WATER/WASTEWATER COST OF SERVICE MODEL

Input Area -- Rates Input**Scenario: 2020 06 08 DVJ Rebuttal Testimony Scen I**

Commercial Outside	Total	3/4"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		1"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		1 1/2"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		2"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		3"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		4"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		6"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		8"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Total Accounts	3/4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1 1/2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		3"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		6"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		8"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Wastewater			52,266	63,974	76,871	85,480	94,097	102,528	110,566	117,996	124,604	131,581								
Water Base Charge Revenues																				
			<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>								
<u>Residential Inside</u>																				
Base Charge	3/4"		649,786	817,601	1,016,584	1,164,147	1,319,723	1,480,894	1,633,944	1,778,421	1,915,392	2,062,913								
Base Charge	1"		577,883	717,706	892,377	1,021,911	1,158,478	1,299,957	1,434,307	1,561,132	1,681,368	1,810,865								
Base Charge	1 1/2"		989	1,229	1,528	1,749	1,983	2,225	2,455	2,672	2,878	3,100								
Base Charge	2"		4,748	5,897	7,332	8,397	9,519	10,681	11,785	12,827	13,815	14,879								
Base Charge	3"		-	-	-	-	-	-	-	-	-	-								
Base Charge	4"		-	-	-	-	-	-	-	-	-	-								
Base Charge	6"		-	-	-	-	-	-	-	-	-	-								
Base Charge	8"		-	-	-	-	-	-	-	-	-	-								
Residential Inside Base Revenue			1,233,407	1,542,433	1,917,822	2,196,204	2,489,704	2,793,757	3,082,491	3,355,052	3,613,454	3,891,757								
Residential Base as	% of Total Res. Revenue		46.03%	45.96%	45.96%	45.96%	45.96%	45.96%	45.96%	45.96%	45.96%	45.96%								
	% of Total Cost of Service																			
<u>Residential Outside</u>																				
Base Charge	3/4"		169,026	212,674	264,453	302,866	343,326	385,237	425,051	462,635	498,267	536,643								
Base Charge	1"		560,275	695,817	865,161	990,744	1,123,147	1,260,310	1,390,563	1,513,520	1,630,089	1,755,636								
Base Charge	1 1/2"		-	-	-	-	-	-	-	-	-	-								
Base Charge	2"		-	-	-	-	-	-	-	-	-	-								
Base Charge	3"		-	-	-	-	-	-	-	-	-	-								
Base Charge	4"		-	-	-	-	-	-	-	-	-	-								
Base Charge	6"		-	-	-	-	-	-	-	-	-	-								
Base Charge	8"		-	-	-	-	-	-	-	-	-	-								
Residential Outside Base Revenue			\$ 729,301	\$ 908,491	\$ 1,129,614	\$ 1,293,610	\$ 1,466,472	\$ 1,645,547	\$ 1,815,614	\$ 1,976,155	\$ 2,128,356	\$ 2,292,279								
Irrigation Base as	% of Total Irr. Revenue		53.82%	53.69%	53.69%	53.69%	53.69%	53.69%	53.69%	53.69%	53.69%	53.69%								