FILED
January 21, 2020
INDIANA UTILITY
REGULATORY COMMISSION

STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

IN THE MATTER OF THE PETITION OF J.B.)	CLITCH NO. JESSE TI
WATERWORKS, INC. FOR A NEW SCHEDULE)	CAUSE NO. 45311-U
OF RATES AND CHARGES)	

PREFILED TESTIMONY

RICAHRD J. COREY - PUBLIC'S EXHIBIT NO. 1

ON BEHALF OF THE

INDIANA OFFICE OF UTILITY CONSUMER COUNSELOR

January 21, 2020

Respectfully submitted,

T. Jason Haas, Atty. No. 34983-29

Deputy Consumer Counselor

CERTIFICATE OF SERVICE

This is to certify that a copy of the foregoing *Office of Utility Consumer Counselor*Prefiled Testimony of Richard J. Corey has been served upon the following counsel of record in the captioned proceeding by electronic service on January 21, 2020.

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T. Jason Haas

Deputy Consumer Counselor

INDIANA OFFICE OF UTILITY CONSUMER COUNSELOR

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PREFILLED TESTIMONY OF OUCC WITNESS RICHARD J COREY CAUSE NO. 45311-U J. B. WATERWORKS, INC.

I. INTRODUCTION

1	Q:	Please state your name and business address.
2	A:	My name is Richard J. Corey, and my business address is 115 West Washington
3		Street, Suite 1500 South, Indianapolis, Indiana 46204.
4	Q:	By whom are you employed and in what capacity?
5	A:	I am employed by the Indiana Office of Utility Consumer Counselor ("OUCC") as
6		a Utility Analyst in the Water/Wastewater Division. My qualifications and
7		experience are set forth in Appendix "A" attached to this testimony.
8	Q:	What is the purpose of your testimony?
9	A:	J. B. Waterworks, Inc. ("J. B." or "Applicant") requests an across-the-board rate
10		increase of 87.31%. As a result of its review and analysis, the OUCC proposes a
11		rate increase of 60.18%. The purpose of my testimony is to present the OUCC's
12		position as reflected in the OUCC schedules I have attached to my testimony.
13	Q:	What actions did you take to prepare your testimony?
14	A:	I reviewed Applicant's schedules and workpapers. I conducted the OUCC's site
15		visit on December 5, 2019 at J. B.'s office. I reviewed J. B.'s Indiana Utility
16		Regulatory Commission ("Commission" or "IURC") Annual Reports for 2016,
17		2017, and 2018. I reviewed the final order from J. B.'s last rate case (Cause No.
18		44115-U, order issued May 9, 2012). I reviewed ratepayer comments submitted to
19		the OUCC. I also assisted in preparing discovery requests and reviewed
20		Applicant's responses.

1	Q:	Do you sponsor any schedules or attachments?
2	A:	Yes. I sponsor the following schedules and attachments:
3 4 5		Schedule 1 – Comparison of Revenue Requirements (Page 1) Gross Revenue Conversion Factor (Page 2) Comparison of <i>Pro Forma</i> Income Statement Adjustments (Page 3)
6 7		Schedule 2 - Comparative Balance Sheet as of December 31, 2018, 2017 and 2016
8 9		Schedule 3 – Comparative Income Statement for the Twelve Months Ended December 31, 2018, 2017 and 2016
10		Schedule 4 – <i>Pro Forma</i> Net Operating Income Statement
l 1		Schedule 5 – Operating Expense Adjustments
12		Schedule 6 – Calculation of Rate Base
13		Schedule 7 – Pro forma Capital Structure
14		Schedule 8 – Current and Proposed Rates and Charges
15		Attachment RJC No. 1 – Recalculation of Accumulated Depreciation
16		Attachment RJC No. 2 – Revenue Requirement Comparison
		III. PROPOSED RATE INCREASE
17	Q:	What level of rate increase is Applicant requesting?
18	A:	Applicant proposes to increase its current rates by 87.31% to generate an additional
19		\$35,318 of revenues. Applicant proposes to implement the rate increase across-
20		the-board and in a single phase.
21	Q:	What are the principal drivers of Applicant's requested increase?
22	A:	In Cause No. 44115-U, J. B. was authorized a 50.16% increase in rates and charges
23		to provide Applicant the opportunity to earn an annual return on investment of
24		\$2,314. In this Cause, rate base has decreased by \$5,181 and the requested cost of

equity has decreased by 0.50%. Despite the resulting \$608 decrease in the return on rate base, Applicant is seeking an 87.31% increase in rates and charges. The drivers of this requested increase are primarily related to increased operating expenses, including: (1) increased salaries and wages due to the full-time employment of the owner/operator (\$9,000); (2) the need for additional pipe and leak repair (\$6,420); (3) increased capital expenditures¹ (\$8,745); and (4) increased liability insurance (\$3,406). Additional drivers include an increased federal income tax rate from 15% to 21% partially offset by a reduced state income tax rate from 8.5% to 5.5%. Finally, operating revenues under proposed rates in Cause No. 44115-U were \$47,544 but Applicant's operating revenues under present rates in this Cause are only \$40,453, an under-recovery of \$7,091. (See Attachment RJC-2.)

Q: What rate increase do you recommend?

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14 A: I recommend an overall across-the-board rate increase of 60.18% to produce an increase in water revenues of \$24,344 per year. Table 1 compares J. B. Waterworks' overall proposed revenue requirement with my proposal.

¹ Applicant's request includes an increase to operating expenses of \$8,745 for capital expenditures for meter replacements.

Table RJC-1: Comparison of Overall Revenue Requirement

	Per	Per	OUCC	
	Applicant	OUCC	More (Less)	
Original Cost Rate Base	\$ 17,961	\$ 10,882	\$ (7,079)	
Times: Weighted Cost of Capital	9.50%	9.50%	0	
Net Operating Income Required for	1,706	1,034	(672)	
Return on Rate base				
Less: Adjusted Net Operating income	(24,168)	(16,847)	7,321	
Net Revenue Requirement	25,874	17,881	(7,993)	
Gross Revenue Conversion Factor	136.5000%	136.1430%	-0.357%	
Recommended Revenue Increase	\$ 35,318	\$ 24,343	\$ (10,975)	
Recommended Percentage Increase	87.31%	60.18%	-27.13%	

IV. GROSS REVENUE CONVERSION FACTOR

- 1 Q: What gross revenue conversion factor does J. B. Waterworks recommend?
- 2 A: J. B. has recommended a revenue conversion factor of 136.5000%
- 3 Q: Do you accept Applicant's proposed revenue conversion factor?
- A: No. In making the calculation for its revenue conversion factor Applicant used an Indiana state tax rate of 5.75%, and an IURC fee of .1202%. As of July 1, 2019 the correct Indiana state tax rate is 5.50%, and the IURC fee rate is .1296408%. In calculating my revenue conversion factor I used the current rates in effect. I recommend a revenue conversion factor of 136.1430%. The following table compares J. B.'s and my revenue conversion factor calculation.

<u>Table RJC - 2: Gross Revenue Conversion Factor</u>

	and the same of th		Per	Per
			Applicant	OUCC
1	Gross	Revenue Change	100.0000%	100.0000%
2	Less:	Bad Debt Rate	0.0000%	0.0000%
3	Sub-to	otal	100.0000%	100.0000%
4	Less:	IURC Fee	0.1202000%	0.1296408%
5	Incom	e Before State Income taxes	99.8798000%	99.870359%
6	Less:	State Income Tax (5.5% of Line 5)	5.7431%	5.4929%
7		Utility Receipts Tax (1.4% of Line 3)	1.4000%	1.4000%
8	Incom	ne before Federal income Taxes	92.7367%	92.9775%
9	Less:	Federal income Tax (21% of Line 8)	19.4747%	19.5253%
10	Chang	ge in Operating Income	73.2620%	73.4522%
11	Gross	Revenue Conversion Factor	136.5000%	136.1430%

V. OPERATING REVENUE ADJUSTMENTS

- 1 Q: Did J. B. Waterworks propose any revenue adjustments?
- 2 A: No.
- 3 Q: Do you accept Applicant's position that no revenue adjustments are required?
- 4 A: Yes. Based on my review and analysis, there was no customer growth experienced
- 5 by Applicant, either during the test year or subsequent to the test year.

VI. OPERATING EXPENSE ADJUSTMENTS

1	Q:	What operating expense adjustments did Applicant propose?
2	A:	Applicant proposed several operating expense adjustments, including adjustments
3		to salaries and wages, maintenance expense, capital expenditures, insurance, rate
4		case expense, IURC fee, depreciation expense, payroll taxes, utility receipts tax,
5		state income tax and federal income tax. Total operating expense adjustments
6		proposed by J. B. Waterworks resulted in an increase of \$27,275 to test year
7		operating expenses and taxes of \$37,346 yielding pro forma operating expenses
8		and taxes other than income of \$64,621.
9	Q:	Do you accept any of Applicant's proposed operating expense adjustments?
10	A:	Yes. I accept Applicant's adjustments to salaries and wages, maintenance expense,
11		insurance, rate case expense, payroll taxes, IURC fee and utility receipts tax. For
12		the reasons discussed below I disagree with Applicant's adjustments to capital
13		expenditures, depreciation expense, other taxes and licenses, state income tax and
14		federal income tax.
15		My total operating expense adjustments result in an increase of \$19,954 to
16		test year operating expenses and taxes of \$37,346 yielding pro forma operating
17		expenses and taxes other than income of \$57,300.

A. Capital Expenditures

- 1 Q: What adjustment did Applicant propose for non-recurring or capital expenditures?
- 3 A: J. B. proposed an increase to operating expenses of \$8,745 for the purchase of
- 4 meters.

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- 5 Q: Do you accept Applicant's proposed capital expenditure adjustment?
- A: No. The purpose of this adjustment is to remove capital expenditures from test year operating costs that were inadvertently recorded as expense, but which should have been capitalized and recorded as an addition to utility plant in service.

A review of Applicant's general ledger indicates that an expenditure of \$8,745 for meters was not recorded during the test year. Based on subsequent discussions with Applicant's rate consultant, I determined this adjustment represented a proposed addition to J. B.'s utility plant. Since proposed capital expenditures are not properly included as an operating expense I do not accept J. B.'s proposed adjustment.

B. Depreciation Expense

- 15 Q: What *pro forma* depreciation expense did Applicant propose?
- 16 A: Applicant proposed depreciation expense of \$2,344 based on depreciable utility
- plant in service of \$117,214 using the composite depreciation rate of 2.00%.
- 18 Reducing this amount by test year depreciation of \$1,625 results in an increase of
- 19 \$719.

1 Q: Do you agree with Applicants proposed depreciation expense adjustment?

A: No. As discussed below, I determined that Applicant's utility plant in service is actually \$120,999. Removing \$5,285 of land and land rights results in depreciable utility plant in service of \$115,714. Using the composite depreciation rate of 2.00% results in *pro forma* depreciation of \$2,314. (See OUCC Schedule 5, Adjustment 1.) The following table compares my depreciation expense adjustment to that proposed by Applicant:

Table RJC – 3: Depreciation Expense Adjustment

	Per Applicant	Per OUCC	OUCC More (Less)
Utility Plant in Service	\$ 122,499	120,999	\$ (1,500)
Less: Land and Land Rights	(5,285)	(5,285)	_
Dpereciable Utility Plant in Service	117,214	115,714	(1,500)
Times: Composite Rate	2.00%	2.00%	2.00%
Pro forma Depreciation Expense	2,344	2,314	(30)
Less: Test Year Depreciation Expense	(1,625)	(1,625)	- And the second
Adjustment	\$ 719	\$ 689	\$ (30)

C. Other Taxes and Licenses

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8 A: Please explain your adjustment to other taxes and licenses.

Q: In response to OUCC Data Request No. 1-8, Applicant provided its adjusting journal entries for the year ended December 31, 2018. Journal entry number 11 recorded accrued utility receipts taxes of \$1,116. In its filing, Applicant's adjustment number 6-16 recorded utility receipts tax of \$552. My adjustment removes this duplication. (See Schedule 5, Adjustment 2)

D. State Income Tax Expense

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- 1 **Q**: What *pro forma* state income tax expense did applicant propose?
- 2 A: J.B. proposed a *pro forma* state income tax benefit of \$6,425.
- 3 Q: Please explain your state income tax expense adjustment.
- 4 A: As discussed above, in the calculation of its proposed pro forma present and 5 proposed state income tax, Applicant used a state income tax rate of 5.75%. As of 6 July 1, 2019 the correct Indiana state tax rate is 5.50%. I used the 5.50% rate in the 7 calculation of my state income tax expense adjustment. Other changes in the 8 proposed pro forma income tax amount are the result of the flow through of other 9 expense adjustments discussed in this section. (See OUCC Schedule 1 and OUCC

1. Federal Income Tax Expense

Schedule 5, Adjustment 3.)

Please explain the differences between Applicants and your pro forma federal Q: 12 income tax expense. The differences between the Applicants and my federal tax calculation is the result 13 A: 14 of the flow through of certain operating expense adjustment differences that are discussed elsewhere in this section. (See OUCC Schedule 1, and OUCC Schedule 15 5, Adjustment 2.) 16

VII. RATE BASE

- 17 Q: What rate base has Applicant proposed?
- J. B. has proposed an original cost rate base of \$17,961. This consists of utility 18 A: plant in service of \$122,499, reduced by accumulated depreciation of \$112,052 plus 19 working capital of \$7,514. 20

Q: Do you accept Applicant's proposed rate base?

Q:

A:

A: No. Since Applicant's last rate case, Cause No. 44115-U, in which the Commission issued its final order on May 9, 2012, J. B. has added two assets to its utility plant in service. These items consist of a truck costing \$1,500 which was purchased on December 5, 2014, and a pressure tank costing \$3,095 which was purchased on September 20, 2016.

During the accounting field visit, J. B. could not provide any documentation to support the purchase of the truck in 2014. It is Applicants responsibility to provide documentation of any additions made to utility plant in service. Accordingly, in my rate base calculation I reduced J. B.'s utility plant in service by the \$1,500 cost of the truck purchased in 2014.

Please explain your adjustment to Applicant's accumulated depreciation.

As part of my analysis of J. B.'s proposed rate base, I recalculated accumulated depreciation from the end of the test year in Cause No. 44115-U to the end of the test year in the present Cause. In doing so I used the composite rate of 2.00% and assumed a half year convention on the addition of the pressure tank purchased in 2016. My calculation resulted in accumulated depreciation as of December 31, 2018 of \$116,879.²

Using my adjusted utility plant in service valuation and recalculated accumulated depreciation results in my recommended rate base of \$10,882. The following table presents a comparison of Applicants and my rate base calculation.

² See Attachment RJC No. 1.

Table RJC – 4: Calculation of Rate Base

OUCC More (Less)
(1,500)
(4,827)
(752)
(7,079)
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1 Q: Please explain the working capital included in your calculation of rate base.

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A: In my rate base calculation, I included \$6,762 of working capital. I calculated working capital by taking my *pro forma* operating expense of \$55,597, subtracting \$4,232 of purchased power expense, which is paid in arrears, and adding \$2,733 of payroll tax expense.³ Since purchased power is paid in arears, an additional allowance for working capital is not required. I then multiplied the adjusted operating and maintenance expense of \$54,098 by the 45 day factor of 12.5% to derive a working capital requirement of \$6,762. The following table presents a comparison of the OUCC's and Applicants working capital calculation.

³ As determined above, by taking J. B.'s proposed operating and maintenance of \$64,342 and removing the \$8,745 adjustment for meters (capital expenditures).

Table RJC – 5: Calculation of Working Capital

	Per Applicant	Per OUCC	OUCC More (Less)
Operating & Maintenance Expense	\$ 64,342	\$ 55,597	\$ (8,745)
Less: Purchased Power	(4,232)	(4,232)	0
Add: Payroll Tax Expense	-	2,733	2,733
Adjusted Operating & Maintenance Expense	60,110	54,098	(6,012)
Times: 45 Day Factor	12.5%	12.5%	
Working Capital Requirement	\$ 7,514	\$ 6,762	\$ (752)

VIII. CAPITAL STRUCTURE

- 1 Q: Please describe Applicants proposed capital structure.
- 2 A: Applicant's capital structure of \$19,349 consists of common stock issued of
- 3 \$13,000, additional paid in capital of \$6,691 offset by retained earnings of negative
- 4 \$342. Applicant has no long term debt.
- 5 Q: What cost of capital has Applicant proposed?
- 6 A: Applicant has proposed a 9.5% cost of equity. The OUCC has not performed its
- 7 own detailed cost of equity analysis, but noting the minimal effect a more precise
- 8 cost of equity determination would have on rates, the OUCC accepts Applicant's
- 9 proposed 9.5% cost of equity.

IX. OUCC RECOMMENDATIONS

- Q: Please summarize your recommendations to the Commission.
 A: I recommend the Commission authorize a 60.18% increase in operating revenues,
 on an across-the-board basis, to provide J. B. Waterworks the opportunity to collect
 \$17,881in net revenues.
 Q: Does this conclude your testimony?
- 6 A: Yes

APPENDIX A

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Q: Please describe your educational background and experience.

A: I graduated from Indiana University with a Bachelor of Science degree majoring in accounting. Upon graduation, I took a position as an accountant for Tousley-Bixler Construction Company for whom I worked until 1984. At that time, I began attending Indiana University School of Law. After graduating from law school in 1988, I was employed by the public accounting firm of Boyd, Stamper & Leeds and participated in the preparation of compilations, audits, and corporate and individual tax returns. From 1990 to 1993, I worked for the CPA firm of Myers & Stauffer, which specializes in Medicaid accounting, consulting and rate setting. After a short tenure with the OUCC as a Principal accountant in 1993, I became Controller, Corporate Secretary, and a member of the Board of Directors of General Acceptance Corporation. I returned to the OUCC in 1998 as an Assistant Utility Consumer Counselor and represented the interests of the public before the Indiana Utility Regulatory Commission ("Commission") in a variety of Gas, Water and Telecommunications cases. I assumed my current position as a Utility Analyst with the OUCC in April of 2005. Since joining the OUCC, I have attended the NARUC Annual Regulatory Studies Program, the NARUC Utility Rate School, and other continuing educations programs. I became licensed as a Certified Public Accountant in 1983. Having left the practice of public accounting in 1993, my license is currently inactive. I am also an inactive member of the Indiana Bar in good standing.

Public's Exhibit No. 1 Cause No. 45283-U Page 1 2 of 2

1 2	Q:	Have you previously testified before the Indiana Utility Regulatory Commission?
3	A:	Yes. I have testified in many cases before the Commission including a number of
4		applications by municipal, not-for-profit and investor owned water utilities for
5		financing authority and changes to rates and charges.

AFFIRMATION

I affirm the representations I made in the foregoing testimony are true to the best of my knowledge, information, and belief.

By: Richard J. Corey

Cause No. 45311-U Indiana Office of

Utility Consumer Counselor

Date:

Comparison of Applicant's and OUCC's Revenue Requirements

	A]	Per Applicant		Per OUCC	Sch Ref	`	OUCC re (Less)
Original Cost rate Base	\$	17,961	\$	10,882	6	\$	(7,079)
Times: Weighted Cost of Capital		9.50%		9.50%	7		
Net Operating Income Required for		1,706		1,034			(672)
Return on Rate base							
Less: Adjusted Net Operating income		(24,168)		(16,847)	4		7,321
Net Revenue Requirement		25,874		17,881			(7,993)
Gross Revenue Conversion Factor	1	36.5000%	1	36.1430%	1		-0.3570%
Recommended Revenue Increase	\$	35,318	\$	24,344		\$	(10,974)
		07.040/	•	60.1007			0 = 100/
Recommended Percentage Increase		87.31%		60.18%			-27.13%

	Proposed			OUCC		
Current Rate for 5,000 Gallons	Petitioner		OUCC		More (Le	
Current Rate = \$27.43	\$	51.39	\$	43.94	\$	(7.45)

Gross Revenue Conversion Factor

		Per Applicant	Per OUCC	
1 2	Gross Revenue Change Less: Bad Debt Rate	100.0000% 0.0000%	100.0000% 0.0000%	\$ 24,344
۷	Less. Bad Deol Rate	0.000078	0.000078	-
3	Sub-total	100.0000%	100.0000%	
4	Less: IURC Fee	0.1202000%	0.1296408%	32
5	Income Before State Income taxes	99.879800%	99.870359%	
6	Less: State Income Tax (5.5% of Line 5)	5.7431%	5,4929%	1,337
7	Utility Receipts Tax (1.4% of Line 3)	1.4000%	1.4000%	341
8	Income before Federal income Taxes	92.7367%	92.9775%	
9	Less: Federal income Tax (21% of Line 8)	19.4747%	19.5253%	4,753
10	Change in Operating Income	73.2620%	73.4522%	\$ 17,881
11	Gross Revenue Conversion Factor	136.5000%	136.1430%	

Reconciliation of Net Operating Income Statement Adjustments *Pro forma* Present Rates

	Per Applicant		Per OUCC		OUCC More (Less)	
Operating Revenues	\$	-	\$	-	\$	-
O&M Expense						
Salaries and Wages		12,600		12,600		-
Maintenance Expense		6,420		6,420		-
Capital Expenditures		8,745		_		(8,745)
Insurance		5,000		5,000		-
Rate Case Expense		480		480		-
TURC Fee		52		52		=
		-		-		-
Depreciation Expense		719		689		(30)
Amortization Expense		-		-		-
Taxes Other than Income:						
Payroll Tax		964		964		-
Property Tax		_		-		-
Utility Receipts Tax		552		552		-
Other Taxes and Licenes		_		(1,116)		(1,116)
State Income Tax		(1,833)		(1,209)		624
Federal Income Tax		(6,424)		(4,478)		1,946
Total Operating Expenses		27,275		19,954		(7,321)
Net Operating Income	\$	(27,275)	\$	(19,954)		7,321

COMPARATIVE BALANCE SHEET As of December 31,

<u>ASSETS</u>		2018	 2017	2016		
Utility Plant:			•			
Utility Plant in Service	\$	122,499	\$ 122,499	\$	122,499	
Construction Work in Progress		(112,052)	(110,427)		(108,653)	
Less: Accumulated Depreciation		,	, .		, , ,	
Net Utility Plant in Service		10,447	12,072		13,846	
Current Assets:						
Cash and Cash Equivalents		9,647	9,379		3,981	
Accounts Receivable		3,566	908		903	
Other Current Assets						
Total Current Assets		13,213	 10,287		4,884	
Total Assets	\$	23,660	\$ 22,359	\$	18,730	
LIABILITIES						
Equity						
Retained Earnings	\$	(342)	\$ (1,449)	\$	(5,388)	
Paid in Capital		6,691	6,691		6,691	
Common Stock		13,000	 13,000		13,000	
Total Equity		19,349	 18,242		14,303	
Current Liabilities						
Accounts Payable		277	334		507	
Accrued Taxes		4,034	3,782		3,920	
Other Current Liabilities		4,311	 4,116		4,427	
Total Equity and Liabilities	\$	23,660	\$ 22,358	\$	18,730	

COMPARATIVE INCOME STATEMENT Twelve Months Ended December 31,

	2018			2017	2016		
Operating Revenues							
Water Sales	\$	40,453	\$	40,892	\$	41,114	
Fire Protection							
Penalties							
Other							
Total Operating Revenues		40,453		40,892		41,114	
Operating Expenses							
Salaries and Wages		16,000		16,000		16,000	
Purchased Power		4,232		4,082		3,740	
Chemicals		1,702		1,749		2,573	
Materials and Supplies		1,105		427		3,021	
Contractual Services - Accounting		1,575		1,520		1,500	
Contractual Services - Management Fees		400		400		400	
Contractual Services - Other Testing		525		-		-	
Contractual Services - Other		1,656		75		1,000	
Transportation Expense		1,194		1,299		1,291	
Insurance		-					
Bad Debt Expense		-					
Rate Case Expense Amortization		-					
Miscellaneous Expense		2,656		2,352		2,749	
Total O&M Expense		31,045		27,904		32,274	
Depreciation Expense		1,625		1,774		3,300	
Amortization Expense							
Taxes Other than Income:							
Payroll Tax		1,769				1,819	
Property Tax		1,791		1,094		1,394	
Utility Receipts Tax		-		1,788			
Other Tax and Licenses		1,116				3,245	
Income Taxes:				3,193			
State Income Tax							
Federal Income Tax							
Total Operating Expenses		37,346		35,753		42,032	
Net Operating Income		3,107		5,139		(918)	
Other Income (Expense)							
Interest Income							
Gain (Loss) on Sale of Assets							
Other Income							
Interest Expense							
Total Other Income (Expense)		-		-		_	
Net Income	<u></u> \$	3,107	_\$_	5,139	\$	(918)	

Pro-forma Net Operating Income Statement

		Year			Pr	o-forma				Pro	-Forma
]	Ended		Sch	I	resent			Sch	Pr	oposed
	12/	31/2018	Adjustments	Ref R		Rates		ustments	Ref	Rates	
Operating Revenues											
Water Sales	\$	40,453			\$	40,453	\$	24,344	1	\$	64,797
Fire Protection		-				-		-	1		-
Penalties		-	•			-		-	1		-
Other											-
Total Operating Revenues		40,453				40,453		24,344			64,797
O&M Expense		31,045				55,597					55,629
Salaries and Wages			12,600	App							
Maintenance Expense			6,420	App							
Insurance			5,000	App							
Rate Case Expense			480	App							
IURC Fee			52	App				32	1		
Bad Debt Expense								-	1		
Depreciation Expense		1,625	689	5-1		2,314					2,314
Amortization Expense		-				_					
Taxes Other than Income:											
Payroll Tax		1,769	964	App		2,733					2,733
Property Tax		1,791				1,791					1,791
Utility Receipts Tax		*	552	App		552		341	1		893
Other Taxes and Licenses		1,116	(1,116)	5-2		-					-
Income Taxes:											
State Income Tax		-	(1,209)	5-4		(1,209)		1,337	1		128
Federal Income Tax		-	(4,478)	5-3		(4,478)		4,753	1		275
Total Operating Expenses		37,346	19,954			57,300		6,463			63,763
Net Operating Income	\$	3,107	\$ (19,954)			(16,847)	\$	17,881			1,034

(4,478)

J.B. Waterworks, Inc. CAUSE NUMBER 45311-U

Expense Adjustments

"	1	1

(1) <u>Depreciation Expense</u>

To reflect pro forma present depreciation expense.		
UPIS as of 12/31/18	\$	120,999
Less: Land and Land Rights		(5,285)
Depreciable UPIS		115,714
Times: Composite Depreciation Rate		2.00%
Pro form Depreciations Expense		2,314
Less: Test Year Depreciation Expense		(1,625)
Adjustment Increase (Decrease)		689
(2)		
Other Taxes and Licenses		
To remove utility receipts tax accrued in error.		
Other Taxes and Licenses		(1,116)
(3) Federal Income Tax To adjust pro-forma present federal income tax.		
Pre-tax Net Income		
	\$	(21,982)
Less: Utility Receipts Tax		552
State Income Tax		(1,209)
Federal Taxable Income	\$	(21,325)
Times: Rate	Ψ	21.00%
Federal Taxable Income		(4,478)
Less: Test year		(1,170)

Adjustment Increase (Decrease)

OUCC Schedule 5 Page 2of 2

J.B. Waterworks, Inc. CAUSE NUMBER 45311-U

Expense Adjustments

(4) State Income Tax

To adjust pro-forma present state income tax.

Utility Receipts Tax	
Operating revenues	\$ 40,453
Less: Exemption	(1,000)
Operating Revenues Subject to Utility Receipts Tax	39,453
Tax Rate	1.40%
Utility Receipts Tax	\$ 552
State Income Tax	
State Taxable income	\$ (21,982)
State Tax Rate	5.50%
Pro Forma Present State Tax	 (1,209)
Less: Test year	 0
Adjustment Increase (Decrease)	\$ (1,209)

Calculation of Rate Base

		Per applicant		Per OUCC		OUCC re (Less)
Utility Plant in Service at 12/31/18	3 \$	122,499	\$	120,999	\$	(1,500)
Add: Accumulated Depreciation		(112,052)		(116,879)		(4,827)
Gross Utility Plant in Service		10,447		4,120	<u></u>	(6,327)
Less: Accumulated Depreciation		-		-		-
Contributions in Aid of Construction		-		-		-
Add: Amortization of CIAC		-				
Net Utility Plant in Service		10,447		4,120		(6,327)
Add: Materials & Supplies Working Capital (see below)		7,514		- 6,762		- (752)
Total Original Cost Rate Base	\$	17,961	\$	10,882	\$	(7,079)
Working (Capi	tal Calculatio	o n			
Operation & Maintenance Expense Less: Purchased Water	\$	64,342 -	\$	55,597 -	\$	(8,745)
Purchased Power		4,232		4,232	٠	-
Add: Payroll Tax Expense		H		2,733		2,733
Adjusted Operation & Maintenance Expense Times: 45 Day Factor	:	60,110 12.50%		54,098 12.50%		(6,012)
Working Capital Requirement	\$	7,514	\$	6,762	\$	(752)

Pro forma Capital Structure As of December 31, 2018

	 mount	Percent of Total	Cost	Weighted Cost
Common Equity	\$ 19,349	100.00%	9.50%	9.50%
Long Term Debt	-	0.00%		0.00%
Shareholder Loans	-	0.00%		0.00%
Deferred Income Taxes	-	0.00%		0.00%
Total	\$ 19,349	100.00%		9.50%

Synchronized Interest Calculation

Total Original Cost Rate Base	\$	10,882
Times: Weighted Cost of Debt		0.0000%
		
Synchronized Interest Expense	_\$_	-

OUCC Schedule 8 Page 1 of 1

J.B. Waterworks, Inc. CAUSE NUMBER 45311-U

Current and Proposed Rates and Charges

			Current		Applicant Proposed		OUCC oposed_
Metered 1	Rates Per N	<u>Month</u>					
	First	2,000	\$	6.23	\$	11.67	\$ 9.98
	Next	8,000		4.99		9.35	7.99
	Next	20,000		3.74		7.01	5.99
	Over	30,000		2.49		4.66	3.99
Minimum	Rate Per	<u>Month</u>					
	5/8" - 3/4"	' Meter (2,000 gallons)	\$	12.46	\$	23.34	\$ 19.96
	1" Meter ((5,500)		29.93		56.05	47.93
	1 1/4" Me	ter (8,500)		44.90		84.09	71.91
	1 1/2" met	ter (11,169)		56.75		106.30	90.90
	2" Meter (21,169)			94.15		176.35	154.19
	3" Meter (• • •		142.54		266.99	228.32
	4" Meter (. ,		304.39		570.14	487.57

J. B. Waterworks Cause No. 45311-U Attachment RJC No. 1 Recalculation of Accumulated Depreciation

12/31/2010

Utility Plant Accumulated Depreciation working Capital			117,904 (98,705) 3,943 23,142	Utility Plant las	st Rate Case per order 44115-U
	UPIS	Depreciable UPIS	Accum Deprec	Composite Rate	
12/31/2010	117,904	112,619	98,705	2.00%	From order last rate case 44115-U
2011 Deprec Exp			2,252.38		
12/31/2011	117,904	112,619	100,957	2.00%	
2012 Deprec Exp			2,252		
12/31/2012	117,904	112,619	103,210	2.00%	
2013 Deprec Exp			2,252		
12/31/2013	117,904	112,619	105,462	2.00%	
additions	0				Disallowed undocumented truck
2014 Deprec Exp			2,252		
12/31/2014	117,904	112,619	107,715	2.00%	
2015 Deprec Exp			2,252		
12/31/2015	117,904	112,619	109,967	2.00%	
additions	3,095	3,095	31		Pressure tank
2016 Deprec Exp			2,252	2,283.33	tot 2016 deprec
12/31/2016	120,999	115,714	112,250	2.00%	
2017 Deprec Exp			2,314		
12/31/2017	120,999	115,714	114,565	2.00%	
2018 Deprec Exp			2,314		
12/31/2018	120,999	115,714	116,879	2.00%	
Requested in filing	122,499	112,052	112,052		

Revenue Requirement Comparsion

	Cause No. 45311-U		Cause No. 44115-U		OUCC More (Less)	
Original Cost rate Base	\$	17,961	\$	23,142	\$	(5,181)
Times: Weighted Cost of Capital		9.50%		10.00%		-0.50%
Net Operating Income Required for Return on Rate base		1,706		2,314		(608)
Less: Adjusted Net Operating income		(24, 168)		(9,835)		(14,333)
Net Revenue Requirement		25,874		12,149		13,725
Gross Revenue Conversion Factor		136.5000%]	30.7300%	<u> </u>	
Recommended Revenue Increase	\$	35,318	\$	15,882		
Recommended Percentage Increase		87.31%		50.16%		
Recommended I croomage increase		0713170		5011070		
Determination of Adjusted Net Operating Income:	φ	40.452	ď	21.662	ø	0.701
Revenues	\$	40,453	\$	31,662	\$	8,791
Operating Expenses						
Salaries & Wages		28,600		19,000		9,600
Purchased Power		4,232		3,615		617
Chemicals		1,702		1,602		100
Materials and Supplies		7,525		966		6,559
Capital Expenditures		8,745		-		8,745
Contract Services - Mgmt Fees		400		1 410		400
Contract Services - Accounting		1,575		1,410		165
Contract Services - Other		2,181 1,194		2,030 1,138		151 56
Transport Insurance		5,000		1,594		3,406
Rate Case Expense		480		480		2,400
Miscellaneous Expense		2,708		3,321		(613)
-		•				
Deperciation Expense		2,344		2,252		92
Property Taxes		1,791		2,665		(874)
Payroll Taxes		2,733		1,608		1,125
Other Taxes		1,116		2,156		(1,040)
Utility Receipts Tax		552		429		123
State Income Taxes		(1,833)		(1,035)		(798)
Federal Income Taxes		(6,425)		(1,736)		(4,689)
Adjusted Net Operating Income		(24,167)		(9,833)		(14,334)
Increase (Decrese) in Operating Revenues:						
Current Rate Operating Revenues in CN 44115-U			\$	31,662		
CN 44115-U Increase to Operating Revenues				15,882		
Operating Revneues under Authorized Rates in CN 44115	s-U			47,544		
Less: Current Rate Operating Revneues in CN 45311-U				40,453		
(Over) Under Recovery of Operating Revenues			\$	7,091		

PF 31,662

19,000

3,615

1,602

1,410

2,030

1,138

1,594

2,252

2,665

1,608

2,156

(1,035)

(1,736)

(9,834)

429

480 3,322

966

CN 45311-U More (Less)

8,791

9,600

617

100

165

151

3,406

(614)

92

(874)

1,125

(1,040)

123

(798)

(4,689)

(14,333)

56

6,559 8,745 400

J.B. Waterworks, Inc. Cause No. 45311-U

		CN 45311-U		CN 44115-U		
	TY	ADJ	PF	TY	ADJ	
Revenues	40,453	per .	40,453	31,662		
Operating Expenses						
Salaries & Wages	16,000	12,600	28,600	12,000	7,000	
Purchased Power	4,232		4,232	3,615		
Chemicals	1,702		1,702	1,602		
Materials and Supplies	1,105	6,420	7,525	266	700	
Capital Expenditures		8,745	8,745	-	-	
Contract Services - Mgmt Fees	400		400	-		
Contract Services - Accounting	1,575		1,575	1,410		
Contract Services - Other	2,181		2,181	2,030		
Transport	1,194		1,194	1,138		
Insurance		5,000	5,000	1,594		
Rate Case Expense		480	480	-	480	
Miscellaneous Expense	2,656	52	2,708	3,286	36	
Deperciation Expense	1,625	719	2,344	1,288	964	
Property Taxes	1,791		1,791	929	1,736	
Payroll Taxes	1,769	964	2,733	1,072	536	
Other Taxes	1,116		1,116	2,506	(350)	
Utility Receipts Tax		552	552	-	429	
State Income Taxes		(1,833)	(1,833)	-	(1,035)	
Federal Income Taxes	_	(6,425)	(6,425)		(1,736)	
	3,107	(27,274)	(24,167)	(1,074)	(8,760)	