FILED
October 30, 2018
INDIANA UTILITY
REGULATORY COMMISSION

#### STATE OF INDIANA

#### INDIANA UTILITY REGULATORY COMMISSION

PETITION OF THE CITY OF FORT	)	
WAYNE, INDIANA FOR AUTHORITY TO	)	
ISSUE LONG-TERM DEBT TO FINANCE	)	
WATER SYSTEM IMPROVEMENTS AND	)	<b>CAUSE NO. 45125</b>
TO ADJUST ITS RATES AND CHARGES	)	
FOR WATER SERVICE	)	
	)	

# INTERVENOR CITY OF NEW HAVEN'S EXHIBIT 3 DIRECT TESTIMONY OF KEITH SCHLEGEL

/s/ R.M. Glennon Robert M. Glennon Attorney No. 8321-49

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IURC
INTERVENOR'S - Now Haven
EXHIBIT NO. 3
1-23-15
REPORTER

1	<b>Q.</b> 1	Please state your name, title, and business address.
2	A.	Kieth Schelgel, Director of Engineering. My office is located at 815 Lincoln
3		Highway East, New Haven, Indiana 46774.
4	Q. 2	By whom are you employed and what is your position?
5	A.	I am employed as Director of Engineering for the City of New Haven ("New
6		Haven").
7	Q. 3	How long have you served as Director of Engineering for New Haven?
8	A.	I have been employed at the New Haven Engineering Department in total for about
9		19 years. I have served as Director of Engineering in total for about 16 years. I
10		have worked in the planning design and supervision of public works projects my
11		entire career.
12	Q.	Please describe your career experience.
13	A.	From 1979 - 1985 I worked for Schnelker Engineering as project draftsman. I
14		drafted plans for public works projects including municipal water, sewer, storm
15		sewer, water retention and streets. From 1985-1989 I worked for Turnbell
16		Engineering as manager of their drafting department. There I worked on project
17		engineering, subdivision development, sewer, water, street, storm sewer and water
18		detention projects.
19		In 1989 I was employed by New Haven as a public works construction
20		inspector. I inspected both ongoing and completed construction projects including
21		municipal utility projects for water, sewer, storm water, drainage, water retention,
22		streets and other projects related to public works in New Haven. I was promoted to

Director of Engineering in 1992 and served in that role until 1999. In 1999 I went

to work for Schnelker Engineering as a construction inspector. There I provided project inspection services for several other municipalities and sewer/water districts. In 2009 I was asked to return to New Haven to again be the Director of Engineering. I have served in that position since. In my long career I have helped plan, supervised, inspected many hundreds of municipal construction projects.

## 6 Q. Please describe your training.

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A.

In my youth I had an avid interest in drafting and design. I excelled at mechanical drawing in school. That lead me into my life's career path that I still enjoy today. I am not a professional engineer. For approximately 40 years I have worked in the process of public works design, revising designs, bidding, bid evaluations, bid selection, project installation supervision, project corrections. In that process I regularly work with many engineering firms and many Professional Engineers. The steps needed from start to finish of public works projects, like water utility infrastructure, requires an informed interactive and coordinated team effort. Engineers, designers, the Municipality, contract excavators, contract installers all have to accurately communicate and perform well and efficiently for projects to be completed correctly, on time and in budget. Members of these teams learn from each other and teach each other to avoid problems and promote successful project completion and future operation. As Director of Engineering I am responsible for overseeing these efforts. In my long career I have regularly worked shoulder to shoulder with engineers, designers, and contractors in the planning, design, bidding, and installation of public works projects. I have specialized knowledge and skill related to municipal public works projects.

## Q. What are your duties as New Haven's Director of Engineering?

A.

As Director of Engineering I am responsible for the successful design, bidding, construction, oversight and completion of the City of New Haven's construction projects. I coordinate and supervise the selection of engineering firms, oversee the design of the projects and review the bid results submitted by the bidders for all City of New Haven Public Works projects. During the bid review process, it is my job to ensure that the bids submitted by bidders are within the engineer's estimates. My duties also include verifying compliance with project specifications during construction, verifying that the project time of completion is met and that the project goals of the City of New Haven have been achieved. The New Haven Engineering Department strives to provide all relative project information to bidders, so they can accurately bid a Public works project, thereby avoiding escalated unit costs or excessive bid contingencies. I am in charge of supervision and inspection of projects under construction.

The New Haven Engineering Department often looks at the results of prior projects noting what contributed to their installation, operational and economic success. The bids, practices and results of those previous projects are then used to help evaluate the reasonableness of new project bids. The New Haven Engineering Department maintains a GIS log of all water line breaks.

I work closely with other municipal entities, and with associated professionals in applying for funding oppurtunities

#### Q. 4 On whose behalf are you testifying in this proceeding?

23 A. I am testifying on behalf of New Haven.

1	Q. 5	what is the purpose of your testimony?
2	A.	To provide information helpful to the IURC in evaluating the Fort Wayne
3		wholesale or "sale for resale" rates that should be approved in this Cause
4		and charged to New Haven and ensuring New Haven does not pay
5		unwarranted Fort Wayne costs. I will address:
6		The unique character of New Haven's sale for resale municipal
7		utility status;
8		The very limited portion of Fort Wayne water assets, particularly
9		transmission mains that actually provide sale for resale water to the New
10		Haven municipal water utility.
11		The vast amount of Fort Wayne's water plant that in no way serves
12		the needs of New Haven's municipal water utility.
13		I share my observations regarding some of Fort Wayne's Capital
14		Improvement Plan ("CIP") proposed projects and costs.
15		Lastly, I describe why New Haven should not be charged a fire
16		protection charge by Fort Wayne.
17	Q. 6	Do you render an opinion as to the details of how rates would be
18		adjusted based on your observations and opinions expressed in this
19		testimony?
20	A.	No, I do not. Having Fort Wayne's sale for resale rates more accurately
21		reflect what would be fair to New Haven and the dollar amounts of those
22		adjustments is addressed by our rate experts Mr. Guerrettaz and Mr. Seelye.

## 1 I. The City of New Haven as a Sale For Resale Entity 2 **Q**. 7 Please describe the City of New Haven's municipal water utility. 3 New Haven is a small city incorporated in 1963 with a current population of Α. 4 approximately 15,700. We are located mostly within the I-469 loop contiguous to 5 and just east / southeast of Fort Wayne. New Haven has operated its municipal 6 water utility since for over 120 years. The earliest documentation goes back to 7 1896. New Haven's municipal water utility has transmission mains ranging in 8 size from 12 to 20 inches and approximately half a million gallons of water 9 storage. Our municipal water utility has approximately 5,200 customers the bulk 10 of which are residential customers. New Haven is largely older blue-collar 11 neighborhoods. Residents seem to like the close nit small town feel of New 12 Haven. 13 Our municipal utility's water transmission lines connection points to Fort 14 Wayne's water transmission lines are near Fort Wayne's Three Rivers Water 15 Filtration Plant. Our water is supplied by Fort Wayne at four connection points 16 feed by Fort Wayne transmission mains of 12 to 54-inch diameter. Mr. Seelye's 17 Exhibit WSS-3 provides more details. 18 Q. 8 How is New Haven billed by Fort Wayne for its wholesale sale for resale 19 water supply service? 20 A. Currently each month Fort Wayne charges a volumetric charge, a \$3,027.53 21 Monthly Demand Charge for each of the four connection points i.e. \$12,110.12 22 per month, a public fire protection fee of \$232.87 per connection point per month

1 (monthly total of \$931.48) and a monthly service charge per connection point of \$837.06 (monthly total of \$3,348.24).

#### O. 9 Is New Haven different from other Fort Wayne water customers?

Yes. New Haven is Fort Wayne's only sale for resale water customer. Our municipal water utility is dedicated to providing public service and meeting the public's needs for potable water. We buy a large bulk quantity of finished water each year, last year at a total cost of \$979,074.03. I believe we are Fort Wayne's largest volume water customer. New Haven is dedicated to public service. We want to provide our constituents with quality water service at reasonable cost. New Haven has no other available current source of water supply. We must accept Fort Wayne's water, add our municipal utility capital and O&M costs and supply our constituent's water. The price we pay Fort Wayne for our bulk large volume water purchasers is critical to the operation of our water utility and our water service to the citizens of New Haven.

To the extent the rates we pay for purchased water are too high, that uses money that otherwise would be available for our municipal utility repairs and capital improvement projects. Unlike a large industrial customer entity that seeks to maximize profits to pay higher dividends and increase stockholders share value, everything we do and all the money we generate is for the people of New Haven. It is a closed loop so to speak. Our water utility uses its funds to maintain and operate the utility. What New Haven generates New Haven uses to provide domestic water and fire protection water to New Haven water customers For at least 120 years New Haven has

provided one of the most critical public services, the essence of life, to its constituents, potable water and fire protection. We take that responsibility very seriously. Thousands of Hoosiers depend on New Haven for quality potable water service. The approximate one million dollars we pay each year for purchased water is substantial to our municipal utility budget. We have an obligation to our thousands of customers to work to ensure the price we pay for wholesale water supply is fair and reasonable. New Haven in this case has worked to show the IURC why the price Fort Wayne wants us to pay is too high.

I think a critical element for the IURC to remember in reviewing the facts and setting the sale for resale rate is that New Haven and its municipal water utility are dedicated solely to public service. The costs we save help the 15,700 people that live in New Haven. The cost of our bulk water service should be kept as low as reasonably possible, so the resulting savings can be used to best operate and maintain our municipal water utility service. We are located contiguous to Fort Wayne and close to its water treatment plant. Making New Haven pay for more Fort Wayne plant and water transmission main improvements than is used to serve New Haven requires New Haven to pay a costly subsidy to Fort Wayne. We believe the cost is too high. Mr. Seelye and Mr. Guerrettaz will address that in more detail.

1		II. The Limited Portions of Fort Wayne's Water Plant used to Meet
2		New Haven's Sale For Resale Needs.
3	Q. 10	Please describe the limited amount of Fort Wayne water utility plant that is
5		actually used to deliver the bulk volumes of sale for resale water to New
6		Haven' water utility.
7	<b>A.</b>	Mr. Seelye sponsors an Exhibit WSS-3 which is a map that highlights the limited
8		amount of Fort Wayne transmission mains that provide sale for resale service to
9		New Haven. New Haven's master meters are served from Fort Wayne transmission
10		mains that are fed directly from Fort Wayne's Three Rivers Water Filtration plant,
11		which is located a short distance away. New Haven's four metering points from
12		South to North are located at Moeller Road, State Road 930, Nelson Road, and
13		Camdenwood Lane. We receive 100 percent of our water from these four metering
14		points. The Camdenwood Lane connection point accounts for only about 1.5% of
15		New Haven's water received. The transmission mains that feed our metering points
16		also provide water to Fort Wayne's retail City customers in the East South East and
17		Northeast area.
18		New Haven also receives service from a small portion of Fort Wayne's
19		water supply and water treatment plant and limited amount from Fort Wayne storage
20		facilities. New Haven's water consumption accounts for about 3% of the finished
21		water from Fort Wayne's Three Rivers Water Filtration plant. Mr. Seelye will
22		address the rate making impact of that.
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#### III. Fort Wayne Improvement Costs Unrelated to Wholesale Service to New Haven.

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3 Q. 11 In addition to your concern that New Haven is asked to pay for Fort Wayne

plant that is not used to provide wholesale water service to New Haven, does

Fort Wayne propose new improvements and have water service expansion

areas unrelated to New Haven's sale for resale service?

Yes. Fort Wayne seeks to include in New Haven's sale for resale rates both the cost of acquiring other water utilities and distant proposed new water plant, both of which are completely unrelated to providing us bulk wholesale water. During the many years I have been with New Haven, we have been supplied water directly from the Fort Wayne water treatment plant since 1960. While Fort Wayne has expanded its distribution system significantly over the years, the manner in which New Haven has been served by Fort Wayne has remained essentially unchanged. Fort Wayne has added tens of thousands of customers during the last decade and recently purchased a private water utility (Aqua Source North and South and Southwest acquisitions) and materially expanded their customer base. New Haven should not have to help pay for the acquisition of those water utilities. I am concerned that New Haven is being asked to pay for the expansion of Fort Wayne's distribution system necessary to serve new customers, most of which are being added on the Western outskirts of Fort Wayne's system. I am also concerned that Fort Wayne would charge New Haven for plant replacements and additions that have no relationship to serving New Haven.

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1	Q. 12	Generally, where has the expansion been on Ft. Wayne's system?
2	A.	After reviewing the City of Fort Wayne 2017 Master Plan (Updated) – 10-year
3		Capital Plan (Exhibit 7.2) it appears that the majority of the planned Capital
4		improvement Projects are located to the North, West and South of the City of Fort
5		Wayne. There are a few Capital Improvement Projects located to the East of the
6		City of Fort Wayne. None specifically are for the sole benefit of water flows to
7		New Haven. Two (2) of these projects (Fort Wayne CIP project numbers 23 and
8		28) will benefit Fort Wayne water customers located within the City Limits of
9		New Haven and the City of New Haven Master meter connections.
10	Q. 13	Can you provide examples of facilities that have been installed by Ft. Wayne
11		to expand its system that provide no value to New Haven?
12	A.	Yes. Fort Wayne has expanded its system significantly on the north end of its
13		service territory. In order to provide for its expansion, Fort Wayne has installed
14		elevated storage facilities and transmission mains to serve customers in that area.
15		There are a significant number of Capital Improvement Projects planned that will
16		benefit only City of Fort Wayne water customers located in the West Pressure
17		Zone such as Fort Wayne CIP project numbers 13, 14, 15, 18, 42, 43, 44 and a few
18		projects located Northwest of the intersection of Smith Road and Engle Road that
19		are not identified with project numbers. In addition, there are two (2) CIP projects
20		(21 and 39) that will only benefit Fort Wayne water customers located in the
21		Southwest Pressure Zone. New Haven is being asked to pay in sale for resale
22		rates a portion of the cost of these facilities even though we receive no benefit
23		from them. Similarly, Fort Wayne has acquired Aqua Source's water utility in its

I		northern service area that will not benefit New Haven water customers in any way.
2		To keep our water utility costs fair and our customer rates down New Haven needs
3		to pay for what it uses, not distant unrelated facilities that do not serve our
4		municipal public service sale for resale needs.
5	Q. 14	Has Fort Wayne's system grown while you have worked for New Haven?
6	<b>A.</b>	Yes. Fort Wayne's has expanded its distribution system considerably while I have
7		worked for New Haven. Most of the growth has been in areas further away from
8		Fort Wayne's water treatment plant than New Haven. It is obvious to me that New
9		Haven's bulk sale for resale water purchases are subsidizing acquisitions and capital
10		improvements that are unrelated to New Haven's Municipal water needs. New
11		Haven needs to keep its water rates reasonable. Paying for unrelated capital
12		expansions, utility acquisitions and capital improvements are contrary to that public
13		service goal.
14		IV. Comments and Concerns regarding Fort Wayne's CIP
15	Q. 15	Did you review Fort Wayne's 2017 CIP
16	<b>A.</b>	Yes.
17	Q. 16	Do you have any concerns regarding the CIP projects
18	<b>A.</b>	Yes. Many of the proposed projects have no relationship to providing service to
19		New Haven. Those include: Fort Wayne CIP project numbers 32, 33,22,34,20, 41,
20		26, 37, 9, 8, 19, 3, 6, 4, 7 B, 10,5, 11, 12, 16, 17, 18, 15, 29, 42, 43, 25, 14, 44, 39,
21		21 and the portion of project 35 south of Tillman Road
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1 Additionally some of the projects seem to me to have costs higher than I 2 would anticipate and higher than I would be comfortable with if I were budgeting 3 the projects. Those projects and my concerns for each are as follows: 4 1.) Fort Wayne Facility CIP project number 21 seems to have an inflated unit cost for 5 16" pressure pipe when comparing prices of a similar grade pressure pipe bid by 6 the City of New Haven in 2015. According to the Fort Wayne CIP project 7 estimate sheet, the cost per lineal foot of 16" Force main is estimated to be 8 \$200.00/Ft. New Haven bid 16" pressure class 350 D.I. pipe used for water main 9 in 2015 and received bids from contractors ranging between \$89.00 - \$122.50 per 10 L.F. 11 2.) Fort Wayne Facility CIP project number 32 does not have a specified depth of 12 asphalt given on the Fort Wayne CIP project estimate sheet. That makes bid 13 evaluation and bidding itself difficult. 14 3.) Fort Wayne Facility CIP project number 38 seems to have an inflated unit cost for 15 6" pressure class 350 pipe when comparing prices of the same grade pressure pipe 16 bid by the City of New Haven in 2016. According to the Fort Wayne CIP project 17 estimate sheet, the cost per lineal foot of 6" Pressure class 350 D.I. pipe is 18 estimated to be \$168.00/Ft. New Haven bid 6" pressure class 350 D.I. pipe used 19 for water main in 2016 and received bids from contractors ranging between 20 \$42.00 - \$95. per L.F. Granted the installation may be more difficult on the 21 treatment plant site due to the many infrastructure crossing however, \$168.00/L.F. 22 seems extremely high.

1	4.)	Fort Wayne Facility CIP project number 58 (Northwest Pump Station
2		Replacement and Motor Control Center Replacement) will only benefit Fort
3		Wayne water customers located in the Northwest Pressure Zone.
4	5.)	Fort Wayne Facility CIP project number 60 (Summit Pump Station) will only
5		benefit Fort Wayne water customers located in the Northwest Pressure Zone.
6	6.)	Fort Wayne Facility CIP project number 61 (Bass Road Water Pumping Station)
7		will only benefit Fort Wayne water customers located in the West Pressure Zone.
8	7.)	Fort Wayne Facility CIP project number 62 (West side Tank Painting) will only
9		benefit Fort Wayne water customers located in the West Pressure Zone.
10	8.)	Fort Wayne Facility CIP project number 63 (Southwest Elevated Tank Painting)
11		will only benefit Fort Wayne water customers located in the Southwest Pressure
12		Zone.
13	9.)	Fort Wayne Facility CIP project number 64 (Dupont Tank Painting) will only
14		benefit Fort Wayne water customers located in the Southwest Pressure Zone.
15	10.)	Fort Wayne Facility CIP project number 65 (Southwest Elevated Tank Painting)
16		will only benefit Fort Wayne water customers located in the Southwest Pressure
17		Zone.
18	11.)	Fort Wayne Facility CIP project number 66 (Northwest Reservoir Painting) will
19		only benefit Fort Wayne water customers located in the Northwest Pressure Zone
20	12.)	Fort Wayne Facility CIP project number 67 (Covington Tank Painting) will only
21		benefit Fort Wayne water customers located in the West Pressure Zone.
22	13.)	Fort Wayne Facility CIP project number 68 (Lafayette Tank Painting) will only
23		benefit Fort Wayne water customers located in the Southwest Pressure Zone.

I	14.) Fort Wayne Facility CIP project number 69 Northeast Tank Painting) will benefit
2	Fort Wayne water customers located in the Northeast quadrant of the City of Fort
3	Wayne.
4	15.) Fort Wayne Facility CIP project number 70 (Aboite Meadows Tank Painting) will
5	only benefit Fort Wayne water customers located in the West Pressure Zone.
6	16.) Fort Wayne Facility CIP project number71 (Coldwater Tank Painting) will only
7	benefit Fort Wayne water customers located in the Northwest Pressure Zone.
8	17.) Fort Wayne Facility CIP project number 72 (Brooklyn Kinsmoor Elevated Tank
9	Painting) will only benefit Fort Wayne water customers located in the West
10	Pressure Zone.
11	18.) Fort Wayne Facility CIP project number73 (New Summit Elevated Tank) will
12	only benefit Fort Wayne water customers located in the Northwest Pressure Zone.
13	19.) Fort Wayne Facility CIP project number 76 (Tank Turnover and Mixing Projects)
14	are water quality improvement projects that benefit Fort Wayne water Customers
15	located in the Northwest Pressure Zone, West Pressure Zone, Southwest Pressure
16	Zone according to the Fort Wayne CIP project estimate sheet.
17	20.) Many of the "Facility Projects" have a line item labeled "Planning Contingency".
18	The Planning Contingency percentages range between 10% to 40%. If that is
19	construction contingency I would be concerned with contingencies above 15%.
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#### 1 V. Fire Protection Charge

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3		Haven?
4	A.	It seems improper to me. New Haven provides its own public fire hydrants and its
5		own fire use water. Fort Wayne does not pay for or maintain New Haven utility
6		fire protection items. Three of New Haven's connection points to Fort Wayne's
7		transmission lines are slightly in New Haven's corporate boundaries. That goes
8		back many years to resolution of an annexation dispute with Fort Wayne. As a
9		result Fort Wayne serves and Fort Wayne directly bills a total of about 540 retail
10		Fort Wayne water customers slightly inside of New Haven's boundaries off of its

Q. 17 What are your comments on Fort Wayne's fire protection charge to New

Road. Those customers are all on Fort Wayne's side of the New Haven master meters. They are directly billed by and directly pay Fort Wayne for their retail service water. As such their fire protection should be in the retail rates they pay,

transmission lines to three metering stations: Nelson Road; S.R. 930 and Moller

not in New Haven's sale for resale rates. Those 540 retail Fort Wayne customers

have nothing to do with forcing our approximate 5,200 New Haven water utility

customers to erroneously pay for Fort Wayne fire protection they do not recieve.

## Q. 23 In summery what is your position?

A. New Haven's water utility is unique among Fort Wayne water customers as it is not the end use customer. It needs economically priced bulk water from Fort Wayne to provide to the Citizens of New Haven. The reasonableness of the price is important to keep New Haven's water rates reasonable, and support our water utilities need for capital replacements. Currently and as proposed in this case Fort

1		Wayne's rates to New Haven incorrectly charge New Haven for plant and distant
2		utility acquisitions not used to serve New Haven. New Haven needs that
3		overcharge corrected. Fort Wayne's utility acquisitions and many of the City of
4		Fort Wayne CIP projects will not benefit New Haven Water customers. New
5		Haven municipal water utility and its water customers should not be required to
6		pay for Fort Wayne water plant, its utility acquisitions, and its CIP projects that
7		do not benefit New Haven Water customers. Lastly New Haven should not have
8		to pay Fort Wayne fire protection charges.
9	Q. 24	Does this conclude your testimony?
10	Α.	Yes, at this time.

## **VERIFICATION**

I affirm under the penalties of perjury that the contents of my attached testimony to the best of my knowledge are true and accurate.

Keith Sollegel
Keith Schlegel

10/30/18
Date

#### **CERTIFICATE OF SERVICE**

The undersigned hereby certifies that a copy of the foregoing Testimony was served upon the following by electronic delivery this the 30th day of October 2018, to:

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