STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

PETITION OF THE TOWN OF CHANDLER, INDIANA, FOR AUTHORITY AND APPROVAL TO: (1) INCREASE RATES AND CHARGES FOR WATER UTILITY SERVICE, INCLUDING APPROVAL OF NEW SCHEDULE(S) OF RATES AND CHARGES FOR WATER SERVICES; AND (2) ISSUE REVENUE BONDS, NOTES, OR OTHER OBLIGATIONS OF INDEBTEDNESS	)	**CAUSE NO. 46124**

PUBLIC'S EXHIBIT NO. 3

TESTIMONY OF JAMES T. PARKS

ON BEHALF OF

THE INDIANA OFFICE OF UTILITY CONSUMER COUNSELOR

December 20, 2024

Respectfully submitted,

INDIANA OFFICE OF UTILITY CONSUMER COUNSELOR

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CERTIFICATE OF SERVICE

This is to certify that a copy of the ***Public's Exhibit No. 3 – Testimony of James T. Parks on behalf of the OUCC*** has been served upon the following captioned proceeding by electronic service on December 20, 2024.

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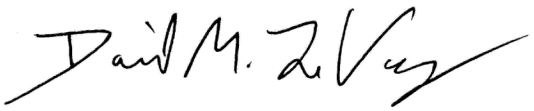

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TESTIMONY OF OUCC WITNESS JAMES T. PARKS
CAUSE NO. 46124
TOWN OF CHANDLER

I. INTRODUCTION

Q: Please state your name and business address.

A: My name is James T. Parks, P.E., and my business address is 115 W. Washington Street, Suite 1500 South, Indianapolis, IN 46204.

Q: By whom are you employed and in what capacity?

A: I am employed by the Office of Utility Consumer Counselor ("OUCC") as a Senior Utility Analyst in the Water/Wastewater Division. My qualifications and experience are described in Appendix A.

Q: What is the purpose of your testimony?

A: The Town of Chandler (hereafter "Petitioner," "Utility" or "Chandler") has requested approval of financing authority to borrow $15,155,000 to fund three water main relocation and replacement projects, a new 1.5-million-gallon ("MG") Paradise water storage tank, and the purchase of land next to the water treatment plant for future wells. Petitioner seeks to fund its projects through issuance of a $4,195,000 Waterworks Bond Anticipation Note ("BAN") in October 2024 followed by issuance in 2025 of new Waterworks Revenue Bonds, most likely through the Drinking Water State Revolving Fund ("SRF") pooled financing program if rates are competitive.[1] Petitioner indicates the bonds will be split into

[1] Petition, September 16, 2024, pp. 3-4. *See* also the case-in-chief testimony of Scott A. Miller, September 16, 2024, p. 11.

two series (the "Bonds"), including the $7,760,000 Waterworks Revenue Bond, Series A and the $7,395,000 Waterworks Revenue Bond, Series B.[2]

I explain that the OUCC recommends that the water main relocation projects should be approved as proposed. I note that Chandler installed the existing original mains in road rights-of-way without obtaining permanent easements, and due to Warrick County road widening projects, Petitioner has no choice but to relocate the mains at Petitioner's cost. I testify that Petitioner does not include or indicate any contingency in its construction cost estimates but that the estimated construction costs appear to be reasonable. I testify that all projects will be competitively bid in conformance with the public bidding laws.[3] I testify Petitioner's population growth forecasts are overly optimistic and not consistent with population forecasts by the Indiana Business Research Center. Finally, I testify Petitioner should complete its Asset Management Plan and completely fill out its Annual Reports to the Commission by including information on its mains, wells and storage tank assets, main breaks and water losses, capital projects completion dates and costs, maintenance activities such as main flushing and valve turning.

Q: Please describe the review and analysis you conducted for your testimony.

A: I reviewed Chandler's Petition and the testimonies of Peter R. Wamsley, Water Resources Department Deputy Director for Beam, Longest and Neff Egis Group ("Egis" or BLN/Egis Group"), Tyler C. Kinder, Director of Public Services for Chandler Utilities, and Scott A. Miller, Certified Public Accountant and Partner for

[2] Case-in-chief testimony of Scott A. Miller, September 16, 2024, p. 11.

[3] The Telephone Road water main relocation project has already been publicly bid on March 4, 2024 and is currently under construction.

Baker Tilly Municipal Advisors, LLC. I also reviewed Petitioner's recent annual reports filed with the Indiana Utility Regulatory Commission ("Commission" or "IURC"), discovery requests and Petitioner's responses. I previously toured Chandler's facilities on May 24, 2018 in Cause No. 45062. On November 19, 2024, I toured Chandler's well field, treatment plant, site of the Paradise Water Tower and adjacent parcel for the proposed new Paradise Water Tower, route of the Transmission main project from Cause No. 45062, and the proposed routes of the water main relocation projects including the future 1.5-mile Epworth Road Water Main Relocation between SR 66 and State Road 662. The Epworth Road widening project has been identified by Warrick County but is not included in the current cause. I also discussed Petitioner's current operations and capital improvements with Tyler Kinder, Chandler's Director of Public Services, and reviewed design drawings and As-Built drawings for water main relocation projects.

I reviewed the 2024 *Water Improvements Project Preliminary Engineering Report* ("PER") prepared by BLN/Egis including the Appendices.[4] These appendices included detailed project cost estimates.[5] I reviewed discovery requests and Petitioner's responses. I reviewed the eleven comments from customers who were all opposed to the rate increase. Finally, I compiled and attached various documents, which I refer to in my testimony. These attachments are listed in Appendix B.

[4] *See* Petitioner's Exhibit No. 2, *Preliminary Engineering Report* Attachment PRW-1.

[5] *Id.*, Appendix D – Detailed Construction Cost Estimates by BLN/Egis Group, July 2024, pp. 63-90,Appendix E – Engineering Non-Construction Cost Estimates, undated, pp. 91-164, and Appendix F - Land and Right-of-Way Services Costs, undated, pp. 165-184

Q: If you do not discuss a specific topic or adjustment, does that mean you agree with other parties filing testimony in this case?

A: No. My electing not to discuss a specific topic or issue does not indicate my approval or agreement. My opinions and the OUCC's positions are limited to those opinions and positions I affirmatively express.

II. CHANDLER WATER SYSTEM CHARACTERISTICS

Q: Please briefly describe the Chandler Water System.

A: The Chandler Waterworks is a Class A Municipal water utility that provided water utility service in 2023 to 7,837 customers in and around the Town of Chandler, in Warrick County, Indiana. Most customers (7,410 or 95%) are residential. Using a factor of 2.6 people per housing unit that I developed from 2020 US Census data for Warrick County, I calculated the 2023 population served was 19,266 people.[6] In response to discovery, Petitioner reported that by the end of September 2024, its customer base had grown to 7,654 residential customers, 427 commercial customers, and 6 industrial customers for a total of 8,087 customers.[7]

Petitioner has reported higher estimates of up to 22,500 people served and up to 8,800 service connections.[8, 9] However, in the Preliminary Engineering

[6] The 2020 US Census population and housing unit data for Warrick County showed 63,898 people lived in 24,618 occupied housing units or 2.6 people per housing unit. Petitioner's population served as of December 31, 2023, is 19,266 people calculated as 7,410 residential customers times 2.6 people per housing unit.

[7] *See* Attachment JTP-1 for Petitioner's response to DR 1-6 regarding 2024 Revenue and Customer Counts.

[8] In his Case-in-Chief Testimony, Mr. Kinder stated that Petitioner provides water to approximately 8,800 service connections serving approximately 22,500 people. The population of 22,500 appears to be calculated as 8,800 service connections times an assumed 2.5 people per customer equals 22,500 people.

[9] In its 2024 Water System Inventory update submitted to IDEM on September 19, 2024, Petitioner indicated it has 8,048 connections and serves 20,120 people. Again, it appears Petitioner assumed an average of 2.5 people per customer. *See* Attachment JTP-2 for the 2024 Water System Inventory and Contact list.

Report, Petitioner's consultant, BLN/Egis, estimated the July 2024 connected population is 19,572 people which slightly exceeds my estimate of 19,266 people. BLN/Egis documented current customers and connected population as follows:

> As of July 2024, there are 7,358 residential meters, 754 irrigation meters, and 261 commercial/industrial meters resulting in a total customer base of 8,373 metered connections. Based on the average household size of each residential customer, approximately 19,572 residents are served by Chandler Water.[10]

In response to discovery, Petitioner did not report having 261 commercial/industrial customers in July 2024 but rather 425 commercial and 6 industrial customers. Chandler did not report any irrigation customers.[11] Petitioner also has not indicated it has any irrigation customers in its Annual Reports to the IURC.

Q: What are Petitioner's population growth forecasts over the twenty-year planning period to 2044?

A: Petitioner's consultant's own forecast predicts the population will grow at a 2.0% per year average growth rate through the 20-year planning period to 2044.[12] The 2.0% per year growth forecast increases the connected population by 9,688 people or nearly 50% from the estimated 19,572 people currently connected to 29,260 people in the year 2044.

Q: Did you review Petitioner's forecasted growth assumptions and did you discover any issues with the forecast?

A: Yes. I checked the latest population forecast for Warrick County by the Indiana Business Research Center ("IBRC") for 2025 to 2050 (in five-year increments).

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[10] *See* Petitioner's Exhibit No. 2, *Preliminary Engineering Report* Attachment PRW-1, p. 17 of 184. BLN/Egis used a slightly higher 2.66 people per housing unit value to estimate the connected population. The calculation is 7,358 residential customers times 2.66 people per housing unit equals 19,572 people.

[11] *See* Attachment JTP-1 for Petitioner's response to DR 1-6 regarding 2024 Revenue and Customer Counts.

[12] *See* Petitioner's Exhibit No. 2, *Preliminary Engineering Report* Attachment PRW-1, p. 24 of 184.

Based on 2020 US Census data interpolated for the years 2024 and 2044, the IBRC forecasts Warrick County will grow by 6,666 people, not the 9,688 people assumed by Petitioner's consultant.[13] It appears Petitioner's forecasted growth is 45% higher than the IBRC's forecast. Because forecasted customer growth is overstated, Petitioner's water demand projections should also be considered overstated.

Q: Where is Petitioner's service area?

A: Much of Petitioner's service area lies outside the Town's corporate boundaries, accounting for 41.9 square miles or 93.5% of its total 44.8 square miles (mi^2) service area in Ohio (26.8 $mi.^2$), Campbell (6.8 $mi.^2$) and Boon (11.2 mi^2) Townships, entirely in Warrick County. Petitioner's service area abuts Vanderburgh County to the west, Indiana-American's Newburgh service to the south and Boonville's service area to the east. Only 2.91 square miles or 6.5% of Petitioner's service area is within Chandler's town limits.

Q: Are customers outside City boundaries charged an outside of city surcharge?

A: No. All customers are charged the same rates.

Q: Please describe Petitioner's water system facilities.

A: Petitioner produces all of its own water and previously supplied water to the City of Boonville until 2005 through an 8-inch interconnection along State Road 261[14]. The interconnection still exists but it is only for emergency use by both utilities.

Chandler draws groundwater from six existing wells at its wellfield located along the Ohio River 5.6 miles southwest of the Town limits. Each well is rated for

[13] *See* Attachment JTP-3 for population projections for 2025 to 2050 by the Indiana Business Research Center with OUCC interpolations of population for the years 2024 and 2044.
[14] 2023 Annual Report to the IURC, page W-6.

1,000 gallons per minute with 2017 flow tests showing capacities between 898 and 1,202 gallons per minute ("gpm").[15] Raw water is pumped through an on-site raw water transmission main to the 4.32 million gallons per day ("MGD") water filtration plant ("WTP") placed in service in April 2012 and located at 9855 Pollack Avenue, Newburgh, Indiana. The WTP's design firm capacity is based on three of the four filters and three of the four high service pumps in service at 1,000 gpm each.[16] Treatment consists of iron and manganese removal through pre-chlorination and filtration on four Layne-Ox pressure filters with an allowable filtration rate of up to 12 gallons per minute per square foot ("gpm/ft^2") of media.

Transmission mains from the treatment plant's high service pumps include 12-inch lines, 14-inch lines and the new 24-inch lines (not yet in service). These lines all run north from the plant. Petitioner has a 368,000 gallon buried concrete finished water clearwell under and adjacent to the high service pump room at the WTP. Chandler also currently has 2.343 MG of finished water storage in four elevated tanks and one standpipe, for 2.7 MG of total storage capacity.[17]

Q: What are Chandler's demand characteristics?

A: Petitioner's customer base grew 1.63% annually over the last 18 years from 5,859 customers at the end of 2005 to 7,837 customers in 2023. Customer growth has accelerated in the last decade. Water pumped volumes have grown at 2.6% per year

[15] Petitioner's response to OUCC DR 5-2, Cause No. 45062. The wells are regularly maintained but Petitioner has not updated the well cleaning and testing information in the Annual Reports on page W-7.

[16] With the largest pump or filter out of service, the WTP has a firm capacity of 3,000 gallons per minute ("GPM") or 4.32 MGD. In 2023, the WTP produced an average of 1.93 MGD or 45% of its firm capacity.

[17] Water storage includes four elevated storage tanks ("EST") and one standpipe that include the 2008 Grimm Road EST (750,000 gallons), 1974 Frame Rd. standpipe (243,000 gallons), 1966 Paradise EST (300,000 gallons), 1986 Plank Rd. EST (750,000 gallons) and 2008 Chandler EST (300,000 gallons).

but water sold has only increased 1.7%, which indicates increasing levels of non-revenue water. However, Petitioner's non-revenue water has averaged only 12% over the last decade. Petitioner's 2023 water pumped averaged 1.93 MGD and water sold averaged 1.62 MGD. I summarized customer counts, water pumped, water sold and non-revenue water for 2014 to 2023 in Table 1. All data is from Petitioner's Annual Reports to the Commission. Monthly Reports of Operation ("MROs") for much of 2023 and all of 2024 do not appear in DEM's Virtual File Cabinet and may not have been submitted or properly filed by IDEM.

Table 1 – Customers, Water Pumped from Wells, and Water Sold, 2014 to 2023

	Customers				Water Pumped (MGD)[18]	Water Sold		Non-Rev. Water	
Year	Res.	Comm.	Ind.	Total		MGD	gpd/ customer	MGD	%
2014	6,144	321	6	6,471	1.59	1.41	218	0.18	11%
2015	6,173	369	6	6,548	1.69	1.45	222	0.24	14%
2016	6,266	442	6	6,714	1.84	1.47	219	0.38	20%
2017	6,455	340	7	6,802	1.68	1.54	226	0.15	9%
2018	6,501	360	6	6,867	1.80	1.58	231	0.22	12%
2019	6,649	365	6	7,020	1.72	1.56	223	0.16	9%
2020	6,806	370	6	7,182	1.70	1.56	217	0.14	8%
2021	7,005	379	6	7,390	1.77	1.70	229	0.07	4%
2022	7,239	415	6	7,660	1.83	1.63	212	0.21	11%
2023	7,410	421	6	7,837	1.93	1.62	207	0.31	16%

Q: What length of transmission and distribution water mains does Petitioner report to the IURC?

A: The Commission requires that utilities list water main asset information on page

[18] MGD means million gallons per day. MG means million gallons. gpd means gallons per day.

W-9 in the Annual Reports.[19] However, Petitioner still does not report the required information about its water main assets (pipe type, diameter, length added, length retired, total length) in its Annual Reports to the IURC.[20] Petitioner's lack of reporting on its water main assets was an issue in Cause No. 45062 in 2018. In response to OUCC discovery in Cause No. 45062, Chandler stated it did not have a tabulation of its distribution assets with pipe material information but provided a map of its water mains within the Town limits and an overall system map.

Q: Does Petitioner report its water main length to other State agencies?

A: Yes. In Water Audits sent to the Indiana Finance Authority ("IFA"), Petitioner reported it had 150 miles of water mains in 2019, did not submit a Water Audit in 2022 (2021 data), and reported it had 185.8 miles of mains in 2024 (2023 data).

Q: Should Chandler know the types and sizes of its water mains?

A: Yes. This basic information is important for system operation and asset management planning of distribution system improvements and replacements. Petitioner's failure to report the required water main information in the Annual Reports is unacceptable. Petitioner has this information as evidenced by main lengths listed in the 2020 and 2024 Water Audits provided to IFA. Petitioner's consultants have also modeled Chandler's water system since at least 2004, which suggests Petitioner has the water main information but is not providing it in the

[19] The Commission requires utilities to report the following for its water mains: diameter (inches), type of main (PVC, DI, CI, etc.), and length of main (nearest foot) at the beginning of the year, added during the year, retired during the year, and at the end of the year. Utilities are also required to calculate what percentage of the main added each year, was for replacement of pipe. In addition, in the Performance Measures section at the end of the Annual Report, utilities are required to report density of water connections (feet of main per customer) and to report for each Maintenance Program, the number of units on the system and the number and percentage of large meters tested, valves turned, hydrants flushed, and feet of water mains flushed.

[20] 2023 Annual Report to the IURC, page W-9.

Annual Reports.[21] Petitioner also incurred $155,300 in costs by engineering consultant Beam Longest and Neff (now BLN/Egis) in 2023 to hydraulically model its distribution system.[22]

Q: What should Petitioner do regarding the information it provides in its Annual Reports to the Commission?

A: I recommend Petitioner provide all information requested by the Commission in the Annual Report forms for each page including the Performance Measures. In the Instructions for the Annual Reports, the Commission instructs utilities to:

> 2. Complete each question fully and accurately, even if it has been answered in a previous annual report.
> 3. The report must be filled in, and every question answered. LEAVE NO SCHEDULE BLANK. Insert the words "none" or "not applicable" or "N/A" when appropriate.

Petitioner should follow the Commission's instructions.

Q: Does Chandler have a written Asset Management Plan ("AMP"), and if not, does it plan to develop such a program?[23]

A: That is uncertain. In its Annual Reports, Chandler reported not having an AMP until 2022.[24] Petitioner's lack of an Asset Management Plan was an issue in 2018 (Cause No. 45062). Prior to my November 19, 2024, site visit, I had requested that I be able to review Petitioner's AMP during my time on site but Chandler's new

[21] *See* Cause No. 43658, Case-in-Chief Testimony of Mark Debruler, P.E., *Water Improvements Project Engineering Needs Assessment*, Beam Longest and Neff, December 2004 and Cause No. 45062, Petitioner's Exhibit No. 2, Attachment JCK-1, 2018 Chandler PER, Appendix E. Draft *Phase IV Water Distribution System Improvements Report* – 2013, Bernardin Lochmueller & Associates, Inc.

[22] *See* Attachment JTP-5 for Distribution System Hydraulic Modeling Invoices from Beam Longest and Neff

[23] Asset Management Plan and Asset Management Program appear to be used interchangeably to refer to programs for effective management of capital assets. The IFA states an Asset Management Program (AMP) is a document(s) developed by a Utility to assist in the long-term management of the assets necessary to support cost effective, proactive decisions including creation, acquisition, operation & maintenance (O&M), and replacement/ upgrade of Utility assets.

[24] 2022 Annual Report to the IURC, page W-8.

Director of Public Utilities, Tyler Kinder was able to locate only a draft version consisting mainly of blank template pages. Therefore, I was unable to review Petitioner's Asset Management Plan.

Q: Are Utilities required by the Commission to develop AMPs?

A: No. The Commission encourages utilities to develop AMPs and can provide utilities information to facilitate such programs, but such programs are not required.

Q: Do any other State agencies require utilities to have an AMP?

A: Yes. Asset Management Programs are required for utilities seeking State Revolving Fund ("SRF") loans as explained by the Indiana Finance Authority ("IFA"):

> The Indiana General Assembly, during the 2018 Legislative Session, passed Senate Enrolled Act 362, which became effective on July 1, 2018 and is codified at Indiana Code 5-1.2-10-16. The new law requires that all State Revolving Fund ("SRF") Participants that receive a loan or other financial assistance from the SRF Loan Program certify that the SRF Participant has documentation demonstrating that it has the financial, managerial, technical, and legal capability to operate and maintain its water or wastewater system in the form of an Asset Management Program ("AMP").[25]

Certifications that a utility has an Asset Management plan are also required to obtain certain construction permits from the Indiana Department of Environmental Management ("IDEM").

Q: Will Chandler be required to prepare an Asset Management Plan?

A: Yes. Since Chandler is seeking an SRF loan to fund its three proposed water main projects and the new water tower project, it will be required to develop and certify that it has an AMP.

[25] *See* Indiana Finance Authority – State Revolving Fund website: https://www.in.gov/ifa/srf/2376.htm

Q: What do you recommend regarding an Asset Management Plan for Chandler?

A: I recommend Chandler complete its Asset Management Plan, if it has not already done so. In either case, Chandler should submit copies to the IURC and the OUCC once completed and no later than six months from the date of the Final Order.

III. CAPITAL IMPROVEMENT PROJECTS

Q: Did Petitioner complete all projects it proposed in Cause No. 45062 in 2018?

A: No. Petitioner has not completed the Transmission Main project that was to have been completed by August 2022 along with the other two water main projects: 1) Downtown Water Main Replacement project, and 2) Bell Road Water Main Relocation project. During my site visit on November 19, 2024, Tyler Kinder, Chandler's Director of Public Utilities, reported that the Transmission Main project was approximately 95% complete and would soon be finished. Mr. Kinder provided me a tour of the Transmission Main route. I understand the 6,970 LF of 12-inch main along Fuquay Road from Jenner Road south to the existing 300,000 Paradise water tower was deleted from the project and will not be installed.

Q: What capital improvement projects has Chandler now proposed to justify its rate increase and financing?

A: Petitioner proposes to construct two main relocation projects due to road widening projects planned by Warrick County in accordance with its Thoroughfare Plan. Petitioner will relocate and upsize its water mains along Telephone and Libbert Roads. Chandler also proposes to replace and upsize mains along South State Street and cross streets, build a new 1.5 MG elevated water storage tank next to its 300,000-gallon Paradise elevated storage tank, demolish the existing Paradise tank

and the Frame Road standpipe, and purchase land along the Ohio River for future additions of water supply wells.

Q: What are the estimated costs for the proposed projects and land purchases?

A: Petitioner estimates construction costs at $9,472,590 and non-construction costs (including land and easement purchases) of $5,682,410 to produce Total Estimated Project Funding of $15,155,000. Proposed improvements, showing construction costs by project, are presented in Table 2 with information taken from the list of capital improvements from the testimonies of Mr. Wamsley and Mr. Miller.

Table 2 - Proposed Construction and Non-Construction Costs

No.	Project Name	Estimated Project Costs[26]
Estimated Construction Costs		
1	Telephone Rd. Water Main Relocation (Bid on 03/04/2024)	$1,025,590
2	South State Street Water Main Replacements	$1,182,000
3	Libbert Road Water Main Relocation	$1,050,000
4	New 1.5 MG Paradise Tower (includes existing Paradise Elevated Storage Tank and Frame Rd. standpipe demolition)	$6,215,000
Total Estimated Construction Costs		**$9,472,590**
Estimated Non-Construction Costs:		
	Engineering (and Inspection)	$1,865,823
	Land acquisition and easements - water mains	$512,400
	Land acquisition - Paradise Tower and Wellfield at WTP	$2,030,647
	Allowance for Legal, Financial Advisory, Bond Issuance	$1,273,540
Total Estimated. Non-Construction Costs		**$5,682,410**
Total Estimated Project Funding		**$15,155,000**

Q: Please briefly describe the water main projects.

A: The three water main projects were described by Mr. Wamsley (Petitioner's Exhibit

[26] Petitioner does not show any contingency or cost escalation allowances in its project cost estimates.

No. 2) and in the Preliminary Engineering Report in Attachment PRW-1, and by Mr. Kinder (Petitioner's Exhibit No. 1), which I summarize:

Telephone Road Water Main Relocation Project The Telephone Road project, currently under construction, relocates a six-inch water main and upsizes it with an 8-inch PVC main due to road widening and pavement replacement by Warrick County and the Indiana Department of Transportation ("INDOT"). The project spans 1.45 miles from Telephone Road's intersection with Bell Road eastward to the intersection with Fuquay Road. The total length of new mains will be 7,665 lineal feet ("LF").[27] Petitioner competitively bid the Telephone Road relocation project on March 4, 2024 and awarded it to the low bidder Aigner Construction. The project's construction cost with one Change Order issued is $1,025,590, plus an additional $317,900 in non-construction costs for a total of $1,343,490. The average construction cost per LF of new water main for the Telephone Road Water Main Relocation project is $134 per LF.[28]

South State Street Water Main Replacement Project The South State Street project will replace, relocate, and enlarge existing water mains on South State Street from Washington Street south to Nancy Lane. The project also replaces branch lines along Cherry Street, Maple Street, and Greenwood Road, and adds a new line on West Oak Street. The existing mains, which are 6-inch, 4-inch, and 2-inch cast iron

[27] New PVC mains for the Telephone Road project will include 23 LF of 2-inch, 16 LF of 4-inch, 340 LF of 6-inch, and 6,566 LF of 8-inch mains installed by the conventional open cut method plus 200 LF of 6-inch and 520 LF of 8-inch main by horizontal directional drilling ("HDD").

[28] The Telephone Road Water Main Relocation Project's average construction cost per LF is calculated as $1,025,590 divided by 7,665 LF equals $134 per LF.

and asbestos cement lines, will be upgraded to 8-inch PVC mains along South State Street, 6-inch PVC mains along Cherry Street, Oak Street, and Greenwood Road, and a 2-inch PVC main along Maple Street. The total length of new mains will be 5,524 LF.[29] Petitioner reports this project is currently under design with construction expected to start in 2026. The project will be competitively bid as one project. The estimated construction cost is $1,182,000, plus an additional $313,523 in non-construction costs, $104,200 in land acquisition services, and $77,250 in land purchase prices, for a total of $1,676,973. The average construction cost per LF of new water main for the South State Street Water Main Replacement project is $214 per LF and is higher than the Telephone Road cost per LF since it is based on an engineer's estimate and not a contractor bid price. [30]

Libbert Road Water Main Relocation Project The Libbert Road project will replace, relocate, and upsize existing 4-inch asbestos cement water mains to 8-inch PVC mains along Libbert Road south from a 6-inch PVC main connection at Oak Grove Road to a 6-inch PVC main connection at High Pointe Drive. Petitioner indicates the replacement is primarily to improve flow and fire protection capabilities by replacing and upsizing asbestos cement mains that are at the end of their useful life, are a hydraulic bottleneck, and are in the way of a future road widening project.[31] The project will include easement acquisitions. Conflicting descriptions of the

[29] The 5,524 LF of new PVC mains for the South Street project will include 303 LF of 2-inch, 2,518 LF of 6-inch, and 2,443 LF of 8-inch mains installed by the conventional open cut method plus 260 LF of 8-inch main by horizontal directional drilling ("HDD").

[30] The South State Street Water Main Replacement Project's estimated construction cost per LF is calculated as $1,182,000 divided by 5,524 LF equals $214 per LF.

[31] *See* the Case-in-Chief testimony of Peter R. Wamsley, Petitioner's Exhibit No. 2, pp. 7-9.

Libbert Road project are provided in Mr. Kinder's and Mr. Wamsley's testimonies. For purposes of my review, I used Mr. Wamsley's description because it matched the cost estimate in the PER. The total length of new 8-inch PVC mains will be 5,700 LF.[32] Based on the planned construction in 2025, the OUCC believes the Libbert Road project is under design. Petitioner will also competitively bid this project. The estimated construction cost is $1,050,000, plus an additional $341,500 in non-construction costs, $208,700 in land acquisition services, and $122,250 in land purchase prices, for a total of $1,722,450. The average construction cost per LF of new water main for the Libbert Road Water Main Relocation project is $184 per LF and is higher than the Telephone Road cost per LF since it is based on an engineer's estimate and not a contractor bid price.[33]

Q: Did you find any other discrepancies between the project descriptions, cost estimates and Contracts for Engineering Services between Chandler and BLN/Egis provided in testimony?

A: Yes. The estimated $1,182,000 cost estimate for the South State Street project is based on 5,524 LF of 2-inch, 6-inch and 8-inch main but BLN's September 19, 2022, Contract for Engineering Services only identifies 4,550 LF of new main.[34]

Q: Are there other upcoming water main relocation projects?

A: Yes. During the OUCC's on-site audit, Petitioner noted a future Epworth Road widening project starting at State Road 66 and extending south to State Road 662 requiring relocation of Petitioner's mains. I discussed this project with Mr. Kinder

[32] New PVC mains for the Libbert Road project will include 5,460 LF of 8-inch mains installed by the conventional open cut method plus 240 LF of 8-inch main by horizontal directional drilling ("HDD").

[33] The Libbert Road Water Main Relocation Project's average cost per LF is calculated as $1,050,000 divided by 5,700 LF equals $184 per LF.

[34] *See* Petitioner's Exhibit No. 2, *Preliminary Engineering Report* Attachment PRW-1, Appendix E2 State Street Non-Construction Cost, p. 115 of 184.

during my site visit, and I drove Epworth Road to view the project area.[35]

Q: Has Petitioner relocated mains for other road relocation projects recently?

A: Yes. Petitioner relocated mains along Epworth Road from Telephone Road to just south of Oak Grove Road in 2007–2008, along Bell Road from Telephone Road south to High Pointe Drive in 2019-2020, and along State Road 66 at the Epworth Road intersection in 2023-2024 as part of intersection improvements including installation of a displaced left turn. Mr. Kinder stated Chandler funded the State Road 66 and Epworth Road water main relocation work with SDC funds. Mr. Kinder did not indicate whether Petitioner would reimburse its SDC funds. This project was not identified in Cause No. 45062 in 2018 or this cause. Petitioner has not indicated it intends to revise its case.

Q: What do you recommend for the proposed water main relocation and relocation projects?

A: Petitioner must relocate those water mains due to road widening projects. As the projects will all be competitively bid and are budgeted at reasonable costs per lineal foot, I recommend the Commission approve the water main projects as proposed.

Q: Please describe the proposed Paradise Water Tank project.

A: The proposed Paradise Water Tank Project, a new 1.5-million-gallon (MG) composite elevated water storage tank to be built adjacent to the existing 300,000-gallon Paradise Tank on land already acquired.[36] The new tank will replace the

[35] Proposals for preliminary engineering for the Epworth Road widening project were due to Warrick County on November 12, 2024. According to a December 18, 2024, email to me from Nicholas Will, P.E., Roadway Department Manager of Lochmueller Group, the current schedule shows Phase 1 construction of Epworth Road from SR 66 south to Tecumseh Drive being bid in 2027 with construction completed in 2028. Phase 2 from Tecumseh Drive south to SR 662 is to be bid in 2030 with construction completed in 2032.

[36] Land acquisition costs of $680,667 incurred in 2023 are included in the proposed $4,195,000 BAN.

existing Paradise tank and 243,000-gallon Frame Road standpipe, which will both be demolished. Petitioner claims the new tank is critical for water storage including adequate fire suppression and for combining pressure zones to reduce future distribution system maintenance. Design and construction are expected within the next one to two years. Based on the planned construction start in 2025, the new Paradise Water Tower project may be under design. Petitioner will also competitively bid this project. The estimated construction cost is $6,215,000, plus an additional $892,900 in non-construction costs and $681,000 in already incurred land purchase costs for a total of $7,788,600.

Q: How will Petitioner's water storage capacity change with the new water storage tank and demolition of two existing storage tanks?

A: Petitioner currently has 2,711,000 gallons of storage provided by the clearwell at the water treatment plant and five distribution system storage tanks. Following construction of the new 1.5 MG Paradise composite elevated storage tank ("EST") and demolition of the existing 300,000-gallon Paradise EST and 243,000-gallon Frame Road standpipe, Petitioner's storage capacity will increase by nearly 1.0 million gallons to 3.668 MG as summarized in Table 3.

Q: Will Petitioner have other finished water storage capacity?

A: Yes. Petitioner will have another 1.0 million gallons of finished water in the 42,351 lineal feet of the 24-inch Transmission main when it is placed in service as shown in Table 4. This will increase Petitioner's system storage to more than 4.6 MG.

Table 3 - Chandler Waterworks Storage Tanks Capacities

Tank Name	Year Installed	2024 Capacity (gallons)	Future Capacity (gallons)
Treatment Plant Clearwell	2010	368,000	368,000
Paradise Multi-Leg EST	1966	300,000	To be demolished
Frame Road Standpipe	1974	243,000	To be demolished
Plank Road Multi-Leg EST	1986	750,000	750,000
Chandler Multi-Leg SET	2008	300,000	300,000
Grimm Rd Spheroidal EST	2008	750,000	750,000
Paradise Composite EST	2025-2026	0	1,500,000
Total Storage Volume		2,711,000	3,668,000

Table 4 - 24-inch Transmission Main Storage and Flow Capacities

Storage Capacity		
Diameter (inches)	24	
Area (square ft.)	3.142	
Length (lineal ft.)	42,351	
Volume (gallons)	995,210	
Hydraulic Capacity at Velocity shown		
ft./second	**gpm**	**MGD**
1.5	2,115	3.0
2.0	2,820	4.1
2.5	3,525	5.1

Q: What flexibility does this additional storage provide to Chandler?

A: To reduce project costs if inflation continues or if bid prices come in above the project budget, Petitioner could construct a smaller Paradise Water Tank than the proposed 1.5 MG tank. This option was evaluated by the engineering consultant in the PER. A smaller tank would cost less to maintain for painting and could help Petitioner manage stagnant water and water age, reduced chlorine residuals,

disinfection byproducts, and the need to turnover the stored water in the tank or to periodically "waste" stagnant water from the tank to control these problems.

Q: What do you recommend regarding bidding for the new Paradise Water Tank?

A: I recommend Petitioner bid the 1.5 MG Paradise Water Tank as proposed and consider bidding mandatory alternate tank sizes of 1.0 MG and 1.25 MG or other standard tank size to determine what potential capital cost savings could be available. Petitioner could also have its engineering consultant confirm through hydraulic modeling that a downsized tank in concert with pumping by Petitioner's four high service pumps (and future pumps) at the treatment plant and the existing 14-inch transmission main and the new 24-inch transmission main would be able to meet peak demands during the design period.

Q: Please describe the proposed South Wellfield Expansion Project.

A: The South Wellfield Expansion Project is to purchase nine acres of property along the Ohio River adjacent to and south of the existing treatment plant property to add future groundwater wells to supplement flows from Petitioner's six existing wells. Petitioner states this will provide for future peak flows and reserve capacity for maintenance of the existing wells. Petitioner evaluated adding wells west of the treatment plant on land already owned but concluded the land might not be large enough to accommodate multiple wells. This project includes only land acquisition in 2027. Petitioner estimates right-of-way services for the South Wellfield expansion to be $31,480, plus an additional $1,318,500 in land purchase costs, for a total of $1,349,980.

Q: Does Petitioner have issues with Per- and polyfluoroalkyl substances ("PFAS")?

A: I could not find any PFAS testing data in the water testing database administered by IDEM. During the November 19, 2024 site visit, I asked whether Chandler had conducted any testing of its groundwater supply. Petitioner reported it participated in a US EPA testing program that included PFAS chemicals but did not participate in IDEM's statewide testing rounds.

Q: Do Petitioner's groundwater wells have PFAS?

A: Not according to samples submitted to the US EPA. PFAS chemicals are a concern since they have been detected at Indiana-American's Newburgh wellfield which is upriver from Chandler and in Ohio River water downstream at Evansville. Indiana-American has requested $15 million from IFA's DWSRF program to install PFAS treatment at Newburgh.[37] Chandler did not participate in the PFAS sampling program conducted by IDEM.

Q: Will Chandler need to conduct additional PFAS sampling and analysis?

A: Yes. Under the new PFAS regulations promulgated on April 10, 2024, water utilities must conduct PFAS water sampling and testing over the next three years followed by design, construction, and start-up of PFAS removal facilities if PFAS levels exceed the water quality standards.

Q: How is Petitioner proposing to fund its capital improvements?

A: Petitioner plans to borrow $4,915,000 under a Bond Anticipation Note ("BAN") in 2024 to fund the Telephone Road project and some non-construction costs and then

[37] *See* Attachment JTP-4 for the Indiana Drinking Water State Revolving Fund ("DWSRF") Loan Program Project Priority List for State Fiscal Year 2025 (July 1, 2024 - June 30, 2025), 2nd Quarter Final, finalized on November 22, 2024.

finance the estimated $15,155,000 project costs (including the BAN) possibly from the Drinking Water State Revolving Fund ("DWSRF") program administered by the Indiana Finance Authority ("IFA").

Q: What is the status of Petitioner's possible DWSRF loan?

A: It appears Petitioner is in the preliminary stages of the application preparation process and may not yet have submitted the documents required by the DWSRF section. Petitioner will need to have prepared Environmental Documents and institute an Asset Management Program plus obtain easements for the water main relocation projects. I checked the most recent DWSRF Project Priority List ("PPL"). No projects are listed for Chandler. *See* OUCC Attachment JTP-4.

Q: Were you able to form an opinion as to whether the proposed projects are prudent and reasonable from Petitioner's Case-In-Chief?

A: Yes. Petitioner's witness Peter R. Wamsley, P.E. included Chandler's 2024 *PER* detailing Petitioner's proposed projects in Petitioner's Exhibit No. 2. I agree the three water main projects, the proposed 1.5 MG Water Tower project, and the purchase of available land adjacent to the water treatment plant for installation in the future of additional wells are reasonable and prudent.

Q: What amount do you recommend the Commission set for Petitioner's borrowing authority for its proposed capital projects?

A: I recommend the Commission authorize debt financing in the total amount of $15,155,000 as proposed consisting of $9,472,590 in estimated construction costs $5,682,410 in estimated non-construction costs.

IV. RECOMMENDATIONS

Q: What are your recommendations?

A: I recommend the following:

1. I recommend that Petitioner provide all information requested by the Commission in the Annual Report forms for each page including the Performance Measures.
2. I recommend that Chandler complete its Asset Management Plan, if it has not already done so, and submit copies to the IURC and the OUCC within six months from the date of the Final Order.
3. I recommend that Petitioner bid the 1.5 MG Paradise Water Tank as proposed and consider bidding mandatory alternate tank sizes of 1.0 MG and 1.25 MG to determine what potential capital cost savings could be available
4. I recommend the Commission authorize debt financing in the total amount of $15,155,000 as proposed consisting of $9,472,590 in estimated construction costs $5,682,410 in estimated non-construction costs.

Q: Does this conclude your testimony?

A: Yes.

Appendix A

Q: Please describe your educational background and experience.

A: In 1980 I graduated from Purdue University, where I received a Bachelor of Science degree in Civil Engineering, having specialized in Environmental Engineering. I then worked with the Peace Corps for two years in Honduras as a municipal engineer and as a Project Engineer on self-help rural water supply and sanitation projects funded by the U.S. Agency for International Development (U.S. AID). In 1984 I earned a Master of Science degree in Civil Engineering and Environmental Engineering from Purdue University. I have been a Registered Professional Engineer in the State of Indiana since 1986. In 1984, I accepted an engineering position with Purdue University, and was assigned to work as a process engineer with the Indianapolis Department of Public Works ("DPW") at the Town's Advanced Wastewater Treatment Plants. I left Purdue and subsequently worked for engineering consulting firms, first as a Project Engineer for Process Engineering Group of Indianapolis and then as a Project Manager for the consulting firm HNTB in Indianapolis. In 1999, I returned to DPW as a Project Engineer working on planning projects, permitting, compliance monitoring, wastewater treatment plant upgrades, and combined sewer overflow control projects.

Q: What are the duties and responsibilities of your current position?

A: My duties include evaluating the condition, operation, maintenance, expansion, and replacement of water and wastewater facilities at utilities subject to Indiana Utility Regulatory Commission ("Commission") jurisdiction.

Q: Have you previously testified before the Commission?

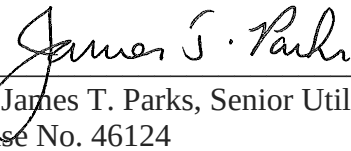
A: Yes.

Appendix B - List of Attachments

Attachment JTP-1	Petitioner responses to OUCC DR 1-6 – 2024 Revenue and Customer Data
Attachment JTP-2	Chandler Waterworks 2024 Water System Inventory update submitted to IDEM on September 19, 2024
Attachment JTP-3	Population projections for 2025 to 2050 by the Indiana Business Research Center with OUCC interpolations of population for the years 2024 and 2044.
Attachment JTP-4	Indiana Drinking Water State Revolving Fund ("DWSRF") Loan Program Project Priority List for State Fiscal Year 2025 (July 1, 2024 - June 30, 2025), 2nd Quarter Final, finalized on November 22, 2024.
Attachment JTP-5	2023 Distribution System Hydraulic Modeling Invoices from Beam Longest and Neff

AFFIRMATION

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



By: James T. Parks, Senior Utility Analyst
Cause No. 46124

Office of Utility Consumer Counselor (OUCC)

Date: December 18, 2024

Billing Date	Usage Dates	Water Billing Residental	Water Billing Commercial	Water Billing Industrial	Total Billing	Deduct Charge	Tax	Fire Protection Billed	Water Penalties	Water & Tax Collection
1/23/2024	12/22/2023 to 01/22/2024	$222,115.09	$80,984.87	$618.03	$303,717.99	$40.00	$15,517.55	$36,139.10	$901.29	$320,305.52
2/27/2024	01/22/2024 to 02/22/2024	$214,268.41	$90,656.20	$806.04	$305,730.65	$40.00	$14,959.66	$36,888.44	$1,122.58	$315,626.20
3/26/2024	02/22/2024 to 03/22/2024	$195,681.45	$86,204.49	$741.55	$282,627.49	$40.00	$16,359.42	$36,935.50	$895.42	$316,849.05
4/24/2024	03/22/2024 to 04/22/2024	$221,955.53	$93,110.28	$904.82	$315,970.63	$40.00	$18,581.35	$36,943.42	$711.96	$306,510.88
5/24/2024	04/22/2024 to 05/22/2024	$227,118.16	$92,404.65	$739.35	$320,262.16	$40.00	$18,818.58	$36,665.48	$1,001.68	$336,203.17
7/1/2024	05/22/2024 to 06/24/2024	$299,183.39	$100,610.16	$1,142.16	$400,935.71	$40.00	$24,620.93	$37,056.69	$948.92	$341,307.56
7/30/2024	06/24/2024 to 07/21/2024	$271,627.30	$93,511.17	$915.82	$366,054.29	$40.00	$22,102.40	$37,077.27	$2,148.59	$396,268.71
8/27/2024	07/21/2024 to 08/22/2024	$296,098.81	$116,328.14	$1,024.28	$413,451.23	$40.00	$24,263.77	$37,120.03	$2,238.62	$406,307.99
9/30/2024	08/22/2024 to 09/24/2024	$352,111.62	$124,622.00	$1,138.12	$477,871.74	$40.00	$28,326.97	$37,294.39	$2,329.17	$430,241.89

Billing Date	Usage Dates	Fire Autp Sprinkler Revenue	Total Water Collection	Water Service Fee	Water Charge Adj.	Residential Water Customers Billed	Commercial Water Customers Billed	Industrial Water Customers Billed	Total Water Customers Billed
1/23/2024	12/22/2023 to 01/22/2024	$38,336.59	$358,642.11	$180.00	$541.09	7420	421	6	7847
2/27/2024	01/22/2024 to 02/22/2024	$35,756.71	$351,382.91	$40.00	-$197.37	7415	422	6	7843
3/26/2024	02/22/2024 to 03/22/2024	$36,464.84	$353,313.89	$43.66	-$241.43	7436	422	6	7864
4/24/2024	03/22/2024 to 04/22/2024	$37,286.01	$343,796.89	$21.33	-$1,131.62	7482	424	6	7912
5/24/2024	04/22/2024 to 05/22/2024	$36,924.65	$373,127.82	$558.72	-$5.27	7492	412	6	7910
7/1/2024	05/22/2024 to 06/24/2024	$36,601.84	$377,909.40	$520.00	-$586.86	7617	427	6	8050
7/30/2024	06/24/2024 to 07/21/2024	$36,346.69	$432,615.40	$515.36	-$124.02	7627	425	6	8058
8/27/2024	07/21/2024 to 08/22/2024	$38,409.43	$444,717.42	$33.68	-$49,127.53	7627	425	6	8058
9/30/2024	08/22/2024 to 09/24/2024	$35,972.87	$466,214.76	$16.60	-$278.46	7654	427	6	8087

Billing Date	Usage Dates	Residential Water Consumption Billed	Commercial Water Consumption Billed	Industrial Water Consumption Billed	Total Water Consumption Billed	Consumption Pumped
1/23/2024	12/22/2023 to 01/22/2024	28927100	14027800	81300	43036200	5344100
2/27/2024	01/22/2024 to 02/22/2024	27693600	16016500	113800	43823900	5328400
3/26/2024	02/22/2024 to 03/22/2024	24512800	15154800	104000	39771600	5644700
4/24/2024	03/22/2024 to 04/22/2024	28813700	16467100	132600	45413400	6069200
5/24/2024	04/22/2024 to 05/22/2024	29657400	16354500	103400	46115300	6307300
7/1/2024	05/22/2024 to 06/24/2024	41711900	17785300	173800	59671000	6801600
7/30/2024	06/24/2024 to 07/21/2024	37046000	16487500	134200	53667700	6932800
8/27/2024	07/21/2024 to 08/22/2024	50997700	21150600	153000	72301300	7488300
9/30/2024	08/22/2024 to 09/24/2024	50513500	22572900	172900	73259300	

System Basic Information Summary

IN5287002 CHANDLER WATER WORKS DEPARTMENT

Activity	Activity Date	Source Type	System Type	Population	Total Population	Seasonal Dates	Service Area
A	1/1/1976	GW	C	R 20120	20120	1 1 to 12 31	MUNICIPALITY OWNED UTILITIES
							MUNICIPALITY

Operator Class	Service Connections	Field Inspector
DLT3	8048	Anna Readle

Contact Type Key

AC - Mailing Contact EC - Emergency Contact OW - Owner
FC - Financial Contact OP - Operator SA - Reminders
SC - SCADA Contact

TCR 20 RT MN

Contact Information

Type		Contact Name	Street	City	State	Zip	Phone	Ext	Fax
AC	Mr.	KINDER, TYLER tkinder@townofchandler.org	101 Constitution Court	CHANDLER	IN	47610	812-925-6213		
DO	Mr.	METH, MATT	1505 South Bosse Avenue	VANDERBURGH	IN	47712	812-925-6213 812-319-3151		
EC	Mr.	KINDER, TYLER tkinder@townofchandler.org	101 Constitution Court	CHANDLER	IN	47610	812-925-6213		
FC	Mr.	PACE, BRIAN bpace@townofchandler.org	401 East Lincoln Avenue	CHANDLER	IN	47610	812-925-6882		812-925-6883
~~OP~~	~~Mr.~~	~~ROTHGERBER, ALEX~~ ~~Chippy2447@gmail.com~~	~~1534 North County Road 650 West~~	~~RICHLAND~~	~~IN~~	~~47634~~	~~812-393-0779~~		
OW		CHANDLER TOWN COUNCIL	401 East Lincoln Avenue	CHANDLER	IN	47610	812-925-6882		

Crowley, Bryan
bcrowley@townofchandler.org
200 West Jefferson Avenue
Chandler, IN 47610
812-925-6213
812-853-5303

DH
9-19-24

PL		PHYSICAL ADDRESS, IN5287002	9855 Pollack Avenue	NEWBURGH	IN	47630	812-853-5303
SA	~~Mr.~~	~~ROTHGERBER, ALEX~~ ~~Chippy2447@gmail.com~~	~~1534 North County Road 650 West~~	~~RICHLAND~~	~~IN~~	~~47634~~	~~812-393-0779~~
SC	Mr.	PACE, ROBERT rpace@townofchandler.org	101 Constitution Court	CHANDLER	IN	47610	812-925-6213 812-454-6538

Indiana Population Projections - Warrick County, Total

Year	Total	Pre-school 0-4	School Age 5 - 19	College Age 20-24	Young Adult 25-44	Older Adult 45-64	Seniors 65+	Warrick Co. Annual % Growth	2024 PER Population: BLN/Egis Forecast p. 18	2024 PER Population: Pop. Added Chandler Service Area	2024 IBRC Population: IBRC Forecast 2024	2024 IBRC Population: Population Added - All Warrick Co.
2010	59,689	3,821	13,017	2,638	14,707	17,548	7,958					
2015	61,894	3,507	13,019	3,333	14,671	17,092	10,272	0.73%				
2020	63,996	3,349	13,050	3,405	15,611	17,063	11,518	0.67%			63,996	
2023	65,807										65,807	
2024	66,410								19,572		66,410	
2025	67,014	3,653	12,714	3,628	16,980	16,864	13,175	0.93%			67,014	
2030	68,917	3,775	12,494	3,541	17,858	16,906	14,343	0.56%			68,917	
2035	70,397	3,794	12,677	3,211	18,658	17,406	14,651	0.43%			70,397	
2040	71,876	3,825	12,994	3,102	18,745	18,096	15,114	0.42%		2024-2044	71,876	2024-2044
2044	73,076								29,260	9,688	73,076	6,666
2045	73,376	3,833	13,191	3,279	18,333	19,313	15,427	0.41%			73,376	2020-2050
2050	74,419	3,811	13,246	3,333	17,615	20,470	15,944	0.28%			74,419	8,009

Note: 2020 data are U.S. Census Bureau population estimates (Vintage 2022).

Source: STATS Indiana, using data from the Indiana Business Research Center, IU Kelley School of Business

OUCC Notes: 1) 2010 population data is from the 2010 US Census.

2) 2015 data are U.S. Census Bureau population estimates (Vintage 2016).

3) Values in red text are OUCC calculations of annual % growth and interpolation of five year data for 2023, 2024 and 2044 populations.

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SFY 2025 - Drinking Water

Indiana Drinking Water State Revolving Fund (DWSRF) Loan Program
SFY 2025 Project Priority List, November 22, 2024, 2nd Quarter Final*
Projects Applying for Financial Assistance in State Fiscal Year 2025 (July 1, 2024 - June 30, 2025)

PPL Score [7]	Participant	MHI [2, 3]	Population Served	PWSID No(s).	SRF Project No.	Project Description	Lead Service Line Replacement Cost	Emerging Contaminants? [4]	Disadvantaged Community? [5]	Green Project Reserve Category [6]	Current User Rate (per 4,000 gallons) [2]	Estimated Post-Project User Rate (per 4,000 gallons) [2]	Requested Funds	Cumulative Requested Funds
134	Huntington / Andrews	$44,570	1,049	5235001	DW160935 02	Regionalization with Andrews, Distribution Improvements + Lead Service Line Replacements	$1,669,000	No	Yes	N/A	$37.95	TBD	$28,454,000	$28,454,000
124	Montezuma	$53,152	1,022	5261005	DW233461 02	New Water Treatment Plant	$0	Yes - Mn	Yes	N/A	$44.16	$170.84	$8,235,000	$36,689,000
124	Jackson County Water Utility	$79,088	13,667	5236003/ 5236008	DW243436 05	Source, Storage, Treatment, and Distribution System Improvements	$0	Yes - PFAS, Mn	No	N/A	$50.40	TBD	$29,289,000	$65,978,000
121	Evansville	$52,070	173,000	5282002	DW220482 04	New Water Treatment Plant	$0	Yes - PFAS	Yes	WE, EE	$33.74	$45.86	$299,000,000	$364,978,000
109	Peru	$44,665	11,417	5252016	DW245852 04	Treatment Improvements + Lead Service Line Replacement Phase I	$23,656,000	Yes - Mn	Yes	N/A	$32.73	TBD	$29,216,000	$394,194,000
106	Milford	$46,650	1,556	5243017	DW242243 01	Storage, Treatment, and Distribution Improvements + Lead Service Line Replacement	$1,011,000	Yes - Mn	Yes	WE	$32.41	$96.09	$6,910,000	$401,104,000
98	Union City	$38,306	3,454	5268010	DW241868 01	Source, Treatment, and Distribution Improvements + Lead Service Line Replacement	$1,818,000	No	Yes	N/A	$26.57	$39.54	$20,570,000	$421,674,000
98	Huntington	$53,925	17,022	5235001	DW244035 03	Source Improvements and New Water Treatment Plant	$0	No	No	WE, EE	$40.40	TBD	$36,601,000	$458,275,000
97	Indiana American Water - Terre Haute	$41,230	61,378	5284018	DW245184 03	Treatment Improvements	$0	Yes - PFAS	Yes	N/A	$54.60	$54.60	$50,000,000	$508,275,000
94	Indiana American Water - Charlestown	$66,285	7,430	5210003	DW244710 01	Treatment Improvements	$0	Yes - PFAS	No	N/A	$54.60	$54.60	$8,000,000	$516,275,000
92	Milton	$49,291	650	5289011	DW224189 02	Distribution Improvements (Phase 2)	$920,000	No	Yes	WE	$58.76	TBD	$5,889,000	$522,164,000
92	Indiana American Water - Wabash Mullins	$51,127	11,223	5285003	DW245285 02	Treatment Improvements	$0	Yes - PFAS	Yes	N/A	$54.60	$54.60	$12,000,000	$534,164,000
85	Oxford	$45,833	1,165	5204005	DW223404 02	Source, Storage, and Distribution Improvements + Lead Service Line Replacement	$3,630,000	No	Yes	WE	$46.38	$105.00	$10,227,000	$544,391,000
82	Indiana American Water - Newburgh	$67,772	20,973	5282002	DW244987 01	Treatment Improvements	$0	Yes - PFAS	No	N/A	$54.60	$54.60	$15,000,000	$559,391,000
81	Indiana American Water - Southern Indiana	$67,566	79,958	5210005	DW245010 01	Treatment Improvements	$0	Yes - PFAS	No	N/A	$54.60	$54.60	$85,000,000	$644,391,000
77	Goshen	$45,745	35,000	5220009	DW244420 03	Distribution Improvements + Lead Service Line Replacements	$4,534,000	No	Yes	N/A	$34.23	$35.50	$7,037,000	$651,428,000
75	Indiana American Water - Johnson County	$82,730	82,905	5241005	DW244841 01	Treatment Improvements	$0	Yes - PFAS	No	N/A	$54.60	$54.60	$28,000,000	$679,428,000
73	Brazil	$51,943	12,000	5211001	DW243311 02	Source and Distribution System Improvements	$0	Yes - Mn	Yes	WE, CR	$33.40	$47.04	$12,658,000	$692,086,000
73	Kentland	$55,329	1,735	5256005	DW222156 01	Source and Treatment Improvements	$0	Yes - Mn	No	TBD	$26.13	$80.01	$10,934,000	$703,020,000
73	Glenwood	$68,660	313	5270002	DW233070 03	Regionalization with Connersville and Distribution Improvements	$0	Yes - Mn	Yes	WE, EE	$68.27	$816.57	$13,215,000	$716,235,000
72	Odon	$40,341	1,379	5214005	DW223714 02	Treatment, Storage, and Supply Improvements	$0	Yes - Mn	Yes	EE	$36.24	$70.71	$4,764,000	$720,999,000
72	Hamlet	$55,000	801	5275001	DW243675 01	Distribution System Improvements + Lead Service Line Replacement	$268,000	No	No	WE	$23.56	$49.40	$2,209,000	$723,208,000
70	Valley Rural Utility Company	$112,500	5,529	5215004	DW224615 01	Distribution Improvements + Lead Service Line Replacement	$1,800,000	No	No	WE	$32.68	$80.79	$17,000,000	$740,208,000
68	Morgantown	$50,257	1,125	5255011	DW246055 02	Regionalization with Brown County Water Utility and Distribution System Improvements	$0	Yes - Mn	Yes	EE	$53.16	$86.56	$3,204,000	$743,412,000
66	Pendleton	$81,413	4,840	5248019	DW246248 01	Treatment and Distribution Improvements + Lead Service Line Replacement	$5,305,000	No	No	N/A	$39.96	$70.51	$13,252,000	$756,664,000
65	Anderson	$44,974	58,942	5248002	DW243948 02	Distribution System Improvements - Phase I + Lead Service Line Replacement	$26,228,000	No	Yes	N/A	$21.98	TBD	$80,795,000	$837,459,000
64	Rochester	$65,508	6,089	5225006	DW243025 01	Distribution System Improvements + Lead Service Line Replacement	$966,000	No	No	WE	$18.88	$28.32	$7,275,000	$844,734,000
62	Citizens Energy Group (Indianapolis)	$39,985	936,630	5249004	DW234049 02	Distribution Improvements + Lead Service Line Replacement	$1,300,000	No	Yes	N/A	$29.08	$29.08	$16,992,000	$861,726,000
62	Eaton	$76,036	1,500	5218006	DW232618 01	Source, Treatment, and Distribution Improvements (Phase 2) + Lead Service Line Replacement	$2,400,000	No	No	WE, EE	$43.65	$78.27	$14,526,000	$876,252,000
61	Converse	$54,479	1,265	5252006	DW241552 02	New Water Treatment Plant and Distribution System Improvements	$0	Yes - Mn	No	N/A	$60.00	$98.33	$4,175,000	$880,427,000
61	North Manchester	$63,029	5,277	5285009	DW241985 01	Distribution System Improvements + Lead Service Line Replacement	TBD	No	No	N/A	$31.84	$52.48	$13,325,000	$893,752,000
58	Francesville	$71,538	969	5266001	DW245966 01	New Treatment Plant	$0	Yes - Mn	No	WE	$33.09	$55.92	$1,950,000	$895,702,000
56	New Carlisle	$68,605	1,861	5271011	DW246171 02	Source, Treatment, and Distribution Improvements	$0	Yes - Mn	No	WE, EE	$21.62	$31	$15,299,000	$911,001,000
54	Brookston	$60,370	1,631	5291002	DW243891 02	Source, Treatment, and Distribution System Improvements	$0	Yes - Mn	No	WE	$38.05	$48.05	$1,824,000	$912,825,000
54	Turkey Creek Regional Sewer District Water Utility	$76,923	575	5243012	DW247143 01	Treatment, Storage, and Distribution Improvements	TBD	Yes - Mn	No	WE	$24.77	$37.50	$11,627,000	$924,452,000
53	Winamac	$53,733	2,400	5266005	DW221466 01	Regionalization with Tippecanoe River State Park and Storage and Distribution Improvements	$0	No	Yes	TBD	$37.14	$37.14	$10,113,000	$934,565,000
52	Ingalls	$70,313	7,600	5248012	DW243548 04	Source, Treatment, and Distribution System Improvements	$0	Yes - Mn	No	N/A	$38.96	$44.00	$6,386,000	$940,951,000
51	Westville	$57,889	5,257	5246029	DW241646 01	Treatment, Storage, and Distribution Improvements + Lead Service Line Replacement	TBD	No	No	EE	$39.09	TBD	$24,203,000	$965,154,000
50	Elkhart	$40,345	53,923	5220008	DW247220 02	Distribution System Improvements + Lead Service Line Replacement	$251,000	No	Yes	N/A	$10.20	$13.48	$2,273,000	$967,427,000
49	Salem	$51,562	8,200	5288005	DW233988 01	Distribution Improvements (Phase 1) + Lead Service Line Replacement	$643,000	No	Yes	N/A	$34.92	TBD	$2,298,000	$969,725,000
49	Kingman	$51,944	510	5223004	DW233823 01	Treatment, Storage, and Distribution Improvements	$0	Yes - Mn	Yes	N/A	$42.79	$124.19	$3,636,000	$973,361,000

49	Kouts	$74,609	2,028	5264013	DW233664 02	Storage, Supply, and Treatment Improvements	$0	Yes - Mn	No	WE, EE, EI	$31.47	TBD	$9,400,000	$982,761,000
47	East Chicago	$39,434	27,457	5245012	DW224345 07	Storage, Treatment, and Distribution Improvements	$0	TBD	Yes	TBD	$7.36	$35.00	$12,850,000	$995,611,000
47	Hagerstown	$66,500	1,700	5289008	DW243739 01	Distribution System Improvements + Lead Service Line Replacement	$750,000	No	No	N/A	$31.85	$43.03	$3,326,000	$998,937,000
46	Indiana American Water - Claypool	$76,815	465	5243002	DW246743 01	New Treatment Plant	$0	Yes - Mn	No	N/A	$54.60	$54.60	$2,495,250	$1,001,432,250
44	Hoosier Hills Regional Water District	$71,012	8,642	5269002	DW210469 01	Storage and Distribution System Improvements	$0	No	No	TBD	$34.82	$38.95	$2,642,000	$1,004,074,250
43	Lynn	$43,864	1,149	5268004	DW222468 01	Storage and Distribution Improvements	$0	No	Yes	N/A	$36.26	$72.21	$2,123,000	$1,006,197,250
42	Mount Ayr	$49,802	117	TBD	DW234456 01	Regionalization with Newton County RWSD and Storage and Distribution Improvements	$0	No	Yes	N/A	N/A	TBD	$6,600,000	$1,012,797,250
41	Shoals	$31,134	1,300	5251007	DW246551 01	Source, Treatment, and Distribution Improvements	$0	No	Yes	N/A	$36.75	$77.93	$2,683,500	$1,015,480,750
41	Peru	$64,722	11,037	5252016	DW210251 02	Regionalization with Mississinewa Lake Recreation Area	$0	No	No	N/A	$31.23	$31.23	$31,413,000	$1,046,893,750
41	Nappanee	$68,750	6,800	5220016	DW244220 03	Treatment and Distribution Improvements + Lead Service Line Replacement	$735,000	No	No	N/A	$41.56	$51.59	$7,681,000	$1,054,574,750
40	Hymera	$45,438	800	5277004	DW231977 01	Storage Improvements	$0	No	Yes	N/A	$48.56	$55.36	$1,478,000	$1,056,052,750
40	Marysville-Otisco-Nabb Water	$79,224	6,352	5210006	DW244610 01	Storage and Distribution System Improvements	$0	No	No	N/A	$28.12	$46.10	$7,316,000	$1,063,368,750
39	Nashville	$51,042	3,315	5207002	DW233207 02	Distribution Improvements (Phase 1)	$0	No	Yes	N/A	$51.76	$105.00	$16,800,000	$1,080,168,750
39	Crown Point	$86,671	30,000	5245008	DW213945 05	Distribution System Improvements + Lead Service Line Replacement	TBD	No	No	N/A	$50.04	$51.92	$2,000,000	$1,082,168,750
38	LaFontaine	$53,558	906	5285004	DW223085 02	Source, Treatment, and Distribution System Improvements + Lead Service Line Replacement	$0	No	Yes	N/A	$41.95	$82.15	$4,300,000	$1,086,468,750
38	Bloomingdale	$62,500	269	5261001	DW242061 02	Storage, Treatment, and Distribution Improvements	$0	No	No	N/A	$42.23	$58.23	$2,746,000	$1,089,214,750
38	Angola	$70,568	8,612	5276001	DW231376 01	Regionalization with Pokagon State Park and Trine State Recreational Area	$0	No	No	TBD	$26.11	$26.11	$7,359,000	$1,096,573,750
37	Lewisville	$46,250	337	5233006	DW233733 03	Source, Treatment, and Distribution Improvements	$0	No	Yes	N/A	$53.18	$65.00	$1,622,000	$1,098,195,750
37	Camden	$53,750	593	5208001	DW234808 02	Treatment and Distribution System Improvements	$0	No	Yes	WE	$32.92	$65.50	$2,280,000	$1,100,475,750
37	Daviess County Rural Water	$64,113	7,969	5214002	DW230414 01	Storage Improvements	$0	No	No	N/A	$45.16	$53.16	$4,667,000	$1,105,142,750
37	Perrysville	$77,015	470	5283009	DW242583 02	Storage and Distribution Improvements	TBD	No	Yes	WE	$49.00	$102.46	$2,006,000	$1,107,148,750
37	St. Joe	$79,193	460	5217006	DW242717 03	Distribution System Improvements	TBD	No	No	N/A	$31.00	$91.76	$1,615,000	$1,108,763,750
36	Earl Park	$62,750	370	5204003	DW242404 02	Distribution System Improvements	$0	No	No	N/A	$35.00	$54.60	$1,424,000	$1,110,187,750
36	Swayzee	$67,500	918	5227020	DW222227 03	Treatment and Distribution Improvements	$0	No	No	TBD	$34.13	$67.16	$2,382,000	$1,112,569,750
36	Loogootee	$70,143	3,915	5251005	DW210251 01	Storage, Distribution System, and Treatment Improvements + Lead Service Line Replacement	TBD	No	No	N/A	$31.54	$46.35	$2,705,000	$1,115,274,750
36	Markle	$79,290	1,095	5235006	DW240290 01	Source, Treatment and Distribution Improvements + Lead Service Line Replacement	$264,000	No	No	N/A	$21.58	TBD	$5,400,000	$1,120,674,750
34	Spiceland	$62,292	940	5233016	DW222633 04	Source and Treatment Improvements	$0	Yes - Mn	No	EE, EI	$52.20	$101.40	$6,541,000	$1,127,215,750
34	Cynthiana	$68,750	699	5265004	DW244365 01	Storage and Distribution System Improvements	$0	No	No	WE	$67.96	$67.96	$1,131,000	$1,128,346,750
34	Ingalls	$70,313	7,600	5248012	DW221148 03	Storage and Distribution Improvements	$0	No	No	N/A	$38.96	$45.00	$2,093,000	$1,130,439,750
34	Salt Creek Estates	$82,634	180	5253006	DW242853 01	Source and Treatment Improvements	$0	No	No	N/A	$315.48	$406.00	$3,458,000	$1,133,897,750
33	Elwood	$60,117	8,586	5248007	DW245648 02	Distribution System Improvements	$0	No	No	WE	$19.78	$24.70	$2,215,000	$1,136,112,750
33	B&B Water Project, Inc	$76,136	5,075	5253001	DW245353 04	Distribution System Improvements	TBD	No	No	N/A	$49.50	TBD	$6,901,000	$1,143,013,750
33	Princes Lakes	$78,642	4,095	5241007	DW241307 02	Storage and Distribution System Improvements	$0	No	No	N/A	$29.11	$39.67	$7,782,000	$1,150,795,750
32	South Whitley	$62,727	1,709	5292007	DW240392 02	Distribution Improvements + Lead Service Line Replacements	TBD	No	No	N/A	$48.19	$150.00	$13,270,000	$1,164,065,750
32	Tipton	$64,167	5,200	528004	DW230380 01	Treatment and Storage Improvements	$0	No	No	N/A	$37.15	$37.15	$2,541,000	$1,166,606,750
32	Churubusco	$67,273	1,798	5292003	DW240192 02	Storage and Distribution Improvements	$0	No	No	WE	$43.78	$59.02	$5,065,000	$1,171,671,750
32	Middlebury	$78,056	3,572	5220014	DW231120 02	Treatment and Storage Improvements + Lead Service Line Replacement	TBD	No	No	N/A	$36.66	$76.43	$18,238,000	$1,189,909,750
31	Logansport	$51,958	18,369	5209012	DW245709 03	New Source	$0	No	Yes	N/A	$32.61	$35.75	$5,420,000	$1,195,329,750
30	Cloverdale	$46,354	2,060	5267003	DW223267 01	Distribution Improvements	$0	No	Yes	WE	$38.86	$53.38	$4,970,000	$1,200,299,750
30	Shirley	$61,250	960	5233013	DW223930 01	Source and Treatment Improvements	$0	No	No	TBD	$50.67	$93.15	$3,384,000	$1,203,683,750
29	Reelsville	$69,722	2,800	5267006	DW221167 04	Distribution Improvements (Phase 2)	$0	No	No	N/A	$69.23	TBD	$25,000,000	$1,228,683,750
27	Dublin	$56,641	709	5289005	DW245589 01	Source, Treatment, Storage, and Distribution Improvements	$0	No	No	N/A	$41.03	$225.66	$19,652,000	$1,248,335,750
26	Hebron	$89,940	3,724	5264009	DW242364 02	Storage and Treatment Improvements	$0	No	No	N/A	$51.56	TBD	$6,143,000	$1,254,478,750
21	Elkhart County Regional Sewer District	$93,123	3,849	TBD	DW230720 01	New Water Utility	$0	No	No	N/A	N/A	$56.33	$13,120,000	$1,267,598,750
24	Citizens Energy Group (Indianapolis)	$63,125	345,134	5249004	DW247006 05	Treatment and Distribution Improvements	$0	No	No	N/A	$35.49	$35.49	$522,377,500	$1,789,976,250
34	Citizens Energy Group (Indianapolis)	$37,600	836,630	5249004	DW247449 06	Distribution Improvements	$0	No	Yes	N/A	$29.08	$29.08	$16,628,000	$1,806,604,250
34	Lebanon	$63,125	16,662	5206003	DW247706 03	Distribution Improvements	$0	No	No	N/A	$36.98	TBD	$224,775,000	$2,031,379,250

TOTAL REQUESTED FUNDS							$78,148,000							$2,031,379,250
PPL Score	**Participant**	**MHI [2, 3]**	**Population Served**	**PWSID No(s).**	**SRF Project No.**	**Project Description**	**Lead Service Line Replacement Cost**	**Emerging Contaminants?**	**Disadvantaged Community?**	**Green Project Reserve Category [4]**	**Current User Rate (per 4,000 gallons) [2]**	**Estimated Post-Project User Rate (per 4,000 gallons)[2]**	**Estimated Total Project Cost**	**Cumulative Total**
Application Only	Crothersville	$44,900	1,524	5236001	DW231736 01	Storage and Distribution Improvements + Lead Service Line Replacements	TBD	TBD	Yes	TBD	$57.30	$60.00	$10,647,000	$10,647,000
Application Only	Knightstown	$55,000	2,223	5233005	DW231833 01	Storage and Distribution Improvements	$0	TBD	No	TBD	$35.86	$43.00	$15,608,000	$26,255,000
Application Only	Lapel	$69,028	2,442	5248013	DW247548 03	Distribution Improvements	$0	TBD	No	TBD	$48.02	TBD	$300,000	$26,555,000
Application Only	Palmyra	$33,077	4,425	5231004	DW232331 02	Treatment and Distribution Improvements	$0	TBD	Yes	TBD	$73.85	$73.85	$4,528,000	$31,083,000
Application Only	Switz City	$38,500	887	5228009	DW247628 02	Distribution Improvements	$0	TBD	Yes	TBD	$46.37	TBD	$400,000	$31,483,000
Application Only	Versailles State Park	$45,114	25	2690807	DW247869 01	Distribution Improvements	$0	No	Yes	TBD	TBD	TBD	$300,000	$31,783,000
Application Only	Valparaiso Lakes Area Cons. District	$67,273	2,565	5264033	DW222064 01	Distribution Improvements	$0	TBD	No	TBD	$41.00	$43.24	$340,000	$32,123,000
TOTAL REQUESTED FUNDS - APPLICATIONS ONLY							**$0**							**$32,123,000**
TOTAL REQUESTED FUNDS - PERs & APPLICATIONS							**$78,148,000**							**$2,063,502,250**

Footnotes:

[1] A community must submit a complete Preliminary Engineering Report to the DWSRF Loan Program by April 1, 2024 in order for the project to be scored and ranked on the Project Priority List (PPL).

[2] Additional subsidization may be provided to participants who have a low Median Household Income (MHI) and/or high post-project user rates as outlined in the Intended Use Plan (IUP). The amount of the additional subsidization shall be determined and set forth in the financial assistance agreement.

[3] The Indiana DWSRF Loan Program defines a Disadvantaged Community in Section VII of the IUP.

[4] Emerging Contaminants funds are reserved for DWSRF eligible projects whose primary purpose must be to address emerging contaminants, with an emphasis on PFAS, using the broad CCL 1 - 5.

[5] Disadvantaged Community determinations in this PPL are based on MHI and rates provided at the time the PPL was posted for public notice. Additional information on populations positively impacted by the project may be submitted and considered prior to loan closing.

[6] EE = Energy Efficiency, EI = Environmentally Innovative, GI = Green Infrastructure, WE = Water Efficiency, CR = Climate Resiliency.

[7] All scores are out of a maximum of 200 points.

*The SFY 2025 2nd Quarter Project Priority List Draft was published on October 31, 2024 for a 3-week public comment period.

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BLN
BEAM·LONGEST·NEFF

INVOICE

8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5832 | f: 317.841.4280 | 800.382.5206 | WWW.B-L-N.COM

A TRADITION OF EXCELLENCE SINCE 1945

610 100 1312 .000

Chandler, Town of
101 Constitution Court
Chandler, IN 47610

Invoice number 74580
Date 07/10/2023

Engineering

Project **230025 CHANDLER, TOWN OF - HYDRAULIC MODEL ANALYSIS**

Professional Services from May 29, 2023 through June 30, 2023

Hydraulic Model Analysis

Description	Contract Amount	Percent Complete	Total Billed	Prior Billed	Current Billed
HYDRAULIC MODEL ANALYSIS	155,300.00	30.35	47,136.00	16,995.00	30,141.00
Total	155,300.00	30.35	47,136.00	16,995.00	30,141.00

Invoice total **30,141.00**

319

BLN
BEAM·LONGEST·NEFF

INVOICE

8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5932 | f: 317.841.4280 | 800.382.5206 | WWW.B-L-N.COM

A TRADITION OF EXCELLENCE SINCE 1945

W/ENGINEERING
610100 1312.00

CK

Chandler, Town of
101 Constitution Court
Chandler, IN 47610

Invoice number 74758
Date 08/10/2023

Project **230025 CHANDLER, TOWN OF - HYDRAULIC MODEL ANALYSIS**

Professional Services from July 01, 2023 through July 30, 2023

Hydraulic Model Analysis

Description	Contract Amount	Percent Complete	Total Billed	Prior Billed	Current Billed
HYDRAULIC MODEL ANALYSIS	155,300.00	73.62	114,325.00	47,136.00	67,189.00
Total	155,300.00	73.62	114,325.00	47,136.00	67,189.00

Invoice total **67,189.00**

BLN:
BEAM·LONGEST·NEFF

W/ENGINEERING
1312.000

INVOICE

8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5832 | f: 317.841.4280 | 800.382.5206 | WWW.B-L-N.COM

A TRADITION OF EXCELLENCE SINCE 1945

Chandler, Town of
101 Constitution Court
Chandler, IN 47610

Invoice number 75216
Date 09/08/2023

Project **230025 CHANDLER, TOWN OF - HYDRAULIC MODEL ANALYSIS**

Professional Services from July 31, 2023 through August 27, 2023

Hydraulic Model Analysis

Description	Contract Amount	Percent Complete	Total Billed	Prior Billed	Current Billed
HYDRAULIC MODEL ANALYSIS	155,300.00	100.00	155,300.00	114,325.00	40,975.00
Total	155,300.00	100.00	155,300.00	114,325.00	40,975.00

Invoice total **40,975.00**