

NOTICE

Municipal Services Committee

Regular Meeting

Tuesday, November 30th, 2021 at 5:00 pm

Meeting will be held in person at the City Hall, 31 S Madison St Evansville, WI. Public may also attend virtually at meet.google.com/wje-xuct-mbr, or by teleconference at +1 (315)-801-9407 then enter conference pin: 863 831 330#

AGENDA

1. Call meeting to order
2. Roll call.
3. Civility Reminder
4. Motion to approve the agenda as presented.
- Pg 3-7 5. Motion to waive the reading and approve the minutes as printed from the October 26th, 2021 regular Municipal Services Committee meeting.
6. Citizen appearances other than agenda items.
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7. Review of sanitary sewer billing adjustments. (Jan, Apr, Jul, Oct)
8. Director's Report
 - a. Parks and Recreation Report
 - b. AMI Project (Placeholder)
 - (1) Current AMI count remaining- Elec: **0** Water: 231
 - c. Lake Leota Dam Repair Update (Placeholder)
 - d. Local Roads Improvement Program (LRIP) Brown School Rd Update
 - e. Wastewater Class Action – Wipes Settlement (informational)
 - Pg 8-24 f. Charter / Spectrum attachment agreement - motion to recommend to Common Council for approval.
 - g. Increase in material costs & lead times (informational)
 - Pg 25-35 h. Solar – Utility Scale (informational)
 - Pg 36-54 i. WPPI Electric Utility Benchmark Report (informational)
 - j. Municipal Services building expansion progress report.
 - Pg 55-88 k. Storm sewer rate case review and possible motion
9. City Engineer Report
 - a. Sub-division / Development Update
 - b. Inflow and Infiltration Study (Placeholder)
 - c. Water Quality (Placeholder)
 - d. Roadway construction & other project updates. (Placeholder)
 - First & Second St Projects

- Sidewalks

10. Administrative Staff's Report

- a. West Side Park Progress (Placeholder)

11. WPPI

- a. Amy Wanek – ESR Report

- b. Upcoming Meetings

- DSAG (Distribution Services Advisory Group) Dec 8th
- EC (Executive Committee) Dec 15th
- Board of Directors Meeting Dec 16th
- Finance & Audit Committee Dec 21st

- c. WPPI Funds Distribution – Motion to approve the below expenditures:

- Christmas Lights \$9,000 from Branding fund
- Christmas Lights \$1,000 from Economic fund
- National Theater \$1,800 from Branding and Outreach funds
- Rebates \$100 from Branding fund
- Remaining balance of \$3,985.26 to be distributed from Branding
 1. Home Depot -Customer Appreciation Event - \$1,285.96
 2. Green Team - \$2,699.30

12. Old Business

13. New Business

14. Upcoming Meeting Date, December 28th, 2021 at 5:00 pm

15. Adjourn

James Brooks, Committee Chair

Please turn off all cell phones and electronic devices before meeting commences. If you have any special accessibility issues, please contact Evansville City Hall at 608-882-2266 prior to the scheduled meeting. Thank you.

NOTICE

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Regular Meeting
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MINUTES

1. **Call meeting to order:** 5:00 pm
2. **Roll call.** Committee Chair Jim Brooks, Alderman Gene Lewis, Alderman Ben Ladick, Chad Renly, Donna Hammett, Amy Wanek, Kerry Lindroth, Dale Roberts, Brian Berquist, Jason Sergeant, Bill Lathrop, William Wassing.
3. **Civility Reminder**
4. **Motion to approve the agenda as presented.** Ladick/Lewis 3-0 Motion Carries
5. **Motion to waive the reading and approve the minutes as printed from the September 28th, 2021 regular Municipal Services Committee meeting.** Ladick/Lewis 3-0 Motion Carries
6. **Citizen appearances other than agenda items.**
 - None
7. **Review of sanitary sewer billing adjustments. (Jan, Apr, Jul, Oct)**
 - a. **Discussion and possible motion for additional sewer credit for account 19-2420-00:** Account was looked at and it was determined that customer could get 2 more months of sewer credit at the amount \$58.50. Motion to approve Sewer Credit of \$58.50, Ladick/Lewis 3-0.
8. **Director's Report**
 - a. **Parks and Recreation Report**

Mowing has been on going. Duck pond is almost done, the creek wall is done, and the foundation for the Duck house has been poured. The knee-high wall for the 2nd bridge is done. New table top is done and the benches are almost done. Remaining are the interior and exterior 2nd duck pond walls.
October 28, 2021 the bathrooms will be closed for the season.
 - b. **AMI Project (Placeholder)**
 - (1) **Current AMI count remaining- Elec: 0 Water: 231**

Still waiting for water meters and control units that were ordered, hoping by the end of the year we will have them.

c. Lake Leota Dam Repair Update (Placeholder)

The state has the application, so we are waiting for the state at this point.

d. Local Roads Improvement Program (LRIP)

Chad has a committee meeting with Rock County on Oct 27th, they will be discussing and rating the submitted projects that are up for funding. We have submitted the application for the Brown School Rd overlay project.

e. Baker Manufacturing

Baker Manufacturing had an issue with their payables a few months ago, Hammett sends emailed bills to Baker's account manager and they then get paper bills in the mail. Back in June they did not get the paper bills and missed payments that month. They have a new account payable person that didn't understand the bills and paid a different amount that was due for several months, leaving balances on the accounts. The account manager wanted us to write-off the late charges and the balances, not understanding that not all the balances were late charge. Renly and Wanek talked to the account manager and straighten this out with her. Baker will be clear up the balances with the next billing statements in November. They may or may not file a complaint with the PSC about the late fees.

f. Municipal Services building expansion progress report.

Excavation has started...they discovered a valley that was used as a dump site and assume it was from when the original building was built. They have been running 8-10ft deep and are continuing to bring up organic material. It is a clear line that comes from the building that gets deeper as it meets in the middle. The middle part is where the center foundation piece has to be, they had a soil analysis come out and he recommend that they remove 60ft and 8-10ft deep of this fill. The outer west wall and the center pier is going to need additional excavation and back fill, this will cost about \$13,000. Renly asked them to have the black soil set aside for city use, this will save us some money. If they get deeper than that with the natural soil, they will use a low PSI concrete to distribute the weight. Renly had two change orders in this box at this time. Sergeant asked if there was a contingency written in, Renly stated that he believed there was, but would have to double check on that. Renly stated that at this time we are a few thousand dollars over budget.

g. Charter / Spectrum Communications pole attachment agreement update

Update: Just got back the agreement from Charter's attorneys, there was some language changes. Renly is making a few comments and will send it to the City's attorney to look at and get back to Charter.

9. City Engineer Report

a. Sub-division / Development Update

Lot 15 the very southern end of town just got DNR approval last week, they need to get the development agreement signed. This project should be starting with a week. The project is only 600/700 feet.

Next project is 1st addition Westfield Meadows, this Porter Rd to almost the creek.

They have their permits also, but do not have the development agreement yet and will not start until spring.

Next is Settlers Grove west of the pond, N Porter Rd, they are still working on permits and development agreement there is no time line to this project yet.

b. Inflow and Infiltration Study (Placeholder)

No Update

c. Water Quality (Placeholder)

Renly had the first round of test results, he and Berquist will keep moving with this and report back findings. Letter was sent out to residents that comments on the PSC website to log their complaint on our website.

d. Roadway construction & other project updates. (Placeholder)

- **First & Second St Projects**

Roads were paved last week by the deadline. Now working on clean up

- **Sidewalks**

Will be some additional sidewalk work done by same crew out by the dog park.

10. Administrative Staff's Report

a. West Side Park Progress (Placeholder)

Thursday October 28, 2021 at 6:00 pm Creekside Place, MSA has put together a few concepts for the public to review and will be taking comments from the public.

Baker Street are about half through their interviews and their analysis.

Sergeant had a resident bring to his attention how hard it is to get from the east side of town to the west side, Sergeant will be working with Berquist and Renly on this.

Council approved the contract for the new Community Development Director and she will be starting on November 1, 2021.

11. WPPI

a. Amy Wanek – ESR Report

A Check was given the Building and Grounds Director of the Evansville School district. \$8500 was given for the lighting project at the Intermediate School. Wanek is on a working on press release.

The office of Energy Intervention is doing another round of grants, Wanek will be getting the information out to Key Accounts about this grant once she has the needed information.

Hammett will be sending out the Choose Renewable insert in the next billing.

b. WPPI 5 Yr. Business Plan

WPPI Board meeting: Key Points

- Focusing on Supply and Cost
- Publicizing being carbon net zero by 2050 which matches the states goals.
- Working on a plan to deal with customer solar as it becomes more mainstream, new methods will be need for interconnection and having the ability to provide next level customer service, which includes, as communities get more and more applications, to the point where utilities can't handle the applications coming in, they are looking to develop a web based solar applications, where customers can go online to fill out and we can process the applications online.
- Will be working on various strategies for EV charging and load shifting. This is going to be very important within the next 10 years. WPPI is projecting on average 14 megawatts of new load for EV charging in the next 8 years. They are also looking for ways to accelerate that adoption curve through promotion of electrification.
- On the Finance side, still working on ways to optimize debit, looking at refinancing options. Net revenues have remained stable.

c. Upcoming Meetings

- **October 27th Finance & Audit Committee**
- **October 28th Executive Committee**

November 3 at WPPI is holding a virtual orientation.

WPPI hosts this training every 6 months it would be better to be able to attend this in person.

Feb 25-March 1 Legislative Rally in DC.

12. Old Business

WPPI Funds review: \$13,122.66 left in our Customer Service & Branding fund and \$1000.00 in Econ Development. We need to save out money the National Theater and Customer Rebate. Brooks stated the \$10,000.00 could go towards the Christmas lights
There could be some money towards the Green Team at the school.
Christmas lights: 1000.00 Econ Development, \$9000.00 from Branding
Remaining balance will go to the Green Team, National Theater and Customer Rebates. A motion will be made at the December meeting.

13. New Business:

Ever lite Solar has been knocking doors, telling residents what a great deal they could get because they are working with their local utility, Evansville Water & Light, to meet a state mandate of 10% solar by the end of the year.

This is not completely turn, they are calling the utility to ask for usage, therefore working with the utility, but the statement about the state mandate is untrue.

Brooks has asked Renly and Wanek to work on a press release in the paper, to get the correct information to residents.

14. Upcoming Meeting Date, November 30th, 2021 at 5:00 pm

15. Adjourn: Motion to Adjourn, Ladick/Lewis 3-0 5:56 pm

James Brooks, Committee Chair.

POLE ATTACHMENT AGREEMENT

This POLE ATTACHMENT AGREEMENT dated as of _____, 2021, for the use of facilities is between the City of Evansville (hereinafter called “City”), and Spectrum Mid-America, LLC (hereinafter called “Licensee”).

WITNESSETH

WHEREAS, City owns, operates, maintains, and controls certain electric power distribution poles (hereinafter “poles”) within the City of Evansville, Wisconsin; and

WHEREAS, Licensee proposed to place and maintain aerial cables, wires, related equipment reasonably necessary for the use of wire or aerial cables and related equipment reasonably necessary to attach wire or aerial cables to City poles at specific locations in City’s service area and desired to attach such facilities to poles or structures owned and maintained by the City; and

WHEREAS, City is willing to permit, to the extent it may lawfully do so, the attachment of Licensee’s facilities to its poles on a non-exclusive, but non-discriminatory basis, where safety will not be adversely affected and such use will not interfere with City’s own service requirements and with the rights and privileges of other parties currently using City’s poles.

NOW, THEREFORE, in consideration of the foregoing recitals and the covenants, terms and conditions hereinafter contained, the parties hereto do hereby mutually covenant and agree as follows:

ARTICLE I

Scope of Agreement

1.1 General Scope.

This Agreement shall be in effect and shall apply to all Attachments made by Licensee to poles owned by City now existing or hereinafter erected and such poles are included within the scope of this Agreement in accordance with the procedures set forth below. City reserves the right to exclude use of its poles from joint use, on a nondiscriminatory basis, where, in the judgment of the City joint use would be unsafe or violate a rule or, regulation, or generally applicable engineering practices.

1.2 Rights of Parties.

The rights and privileges of Licensee shall be subject to the rights and privileges of others upon whom City has conferred contractual rights or privileges to use its poles prior to the execution of this Agreement, or predecessors to this Agreement. Notwithstanding the foregoing, to the extent Licensee has existing Attachments, those attachments and rights of other parties shall be subject to Licensee’s preexisting Attachments and rights thereto.

1.3 Authorization.

Subject to the provisions of this Agreement, City agrees to grant to Licensee a license for the nonexclusive right to attach its facilities to certain designated City poles. No use of City poles, however extended, or payment of fees or charges required under this Agreement, shall create or vest in Licensee any ownership of property rights in such poles. Licensee's rights herein shall be and remain a mere license for the duration of this Agreement.

1.4 Assignment.

Licensee may not assign its rights under this Agreement to any other person or entity without City's prior written consent, which consent shall not be unreasonably withheld. Notwithstanding the foregoing, Licensee may, without pole owner consent, assign its rights under this Agreement to any entity it controls, or is controlled by. The licensee shall provide notice to the City of any such assignment.

1.5 Authorizations Required.

Licensee shall secure all legally required authorizations permits and any other approvals required by any governmental authority or private entity for the construction, operation, and maintenance of its facilities.

ARTICLE II

Definitions

2.1 For purposes of this Agreement, the following terms shall have the following meanings:

2.1.1 Pole means an electrical power distribution pole owned and maintained by City.

2.1.2 Attachment means any and each wire, cable or other equipment or apparatus, including a service drop contact, attached directly to a City pole.

ARTICLE III

Reservation of Primary Use

3.1 Primary City Use.

City specifically reserves its right to maintain its own facilities and to operate its own equipment thereon in such a manner as will best enable it to fulfill its own service requirements. City shall not be liable to Licensee for any interruption of Licensee's service or for any interference with the operation of Licensee's facilities in any manner except by negligence or intentional misconduct of City. Notwithstanding the foregoing, City shall correct and remedy actions it takes that creates an interruption or interference with the operation of Licensee's services.

ARTICLE IV

Application for Attachment

4.1 Permit Application.

Except as set forth herein, Licensee shall not attach any of its Attachments to City's poles without first making written or electronic application to City for a permit and receiving written or electronic permission from City in the form of a permit. For the purposes of this Agreement, Licensee's facilities shall include wire or fiber cables to operate its lawful communications system, any related equipment reasonably necessary for the operation of that system, including equipment reasonably necessary to attach wire or fiber cables on City poles. Under this agreement, Licensee's Attachments shall not include Wi-Fi equipment or any other device used for the provision of wireless internet, wireless phone service, or an antenna of any kind.

4.2 Application Procedure.

Whenever Licensee desires to attach its Attachments to any City pole, Licensee shall make application for a permit using a Permit Application Form specified by City. The fee for the application is _____ per pole. City shall have the right to deny or request modification of the application if there is insufficient capacity, or for reasons of safety, reliability or generally applicable engineering reasons that cannot be remedied through make-ready work under this Agreement. City will approve or deny an application within forty-five (45) days of Licensee's submission of a complete Permit Application Form.

4.2.1 The application shall include sufficient drawings, specifications and information necessary so that the City, or its designee, can designate necessary make-ready, in conformity with code, regulation and generally applicable engineering practices.

4.2.2 If the application is approved, Licensee shall have the right to affix such Attachments in accordance with the application, as approved, in compliance with the specifications, terms, and conditions of this Agreement, in compliance with all applicable ordinances, statutes, codes, rules, regulations, and in conformity with generally applicable engineering practices.

4.2.3 City, upon receipt of an application, may contact the applicant to schedule an evaluation "ride out" with personnel from Licensee and City. For all ride outs, appropriately qualified personnel representing Licensee and City representative shall meet at the location of the proposed Attachment to determine if the Attachment or modification can be made, and to review technical requirements.

4.3 Installation; Certification.

Each application shall involve sufficient information so that City can ensure compliance with ordinances, statues, codes, rules, regulations and good practice during construction and upon completion.

4.3.1 Licensee shall only use trained, qualified persons to work on all pole installations. Qualified persons shall be knowledgeable in applicable ordinance, statute, code, rules, regulations and standard industry practices and must be able to demonstrate competence in recognizing and preventing any ordinance, statute, code, rules, regulation and standard industry practice violations and to keep working clearances from energized lines and equipment.

4.3.2 Upon completion of the installation, Licensee shall give written confirmation to City that the installation is complete and complies with ordinance, codes, rules, regulations and good practices so that City may post-inspect. If the installation is found to be in violation of any applicable standards noted above, or if there are deviations from the original design specifications, City will make Licensee aware that corrections must be made within thirty (30) days of receipt of notification, or such other time mutually agreed to by the parties. If Licensee does not make corrections in thirty (30) days, City will make the corrections at Licensee's expense. If corrections are unable to be made, the Attachment shall be removed.

4.4 Make Ready Work; Charges.

Whenever any City facility must be modified to accommodate any proposed Attachment, City will provide Licensee with a detailed estimate of "make ready" work it determines is necessary to prepare the pole for Licensee's facilities. After receiving this estimate, if Licensee still desires to make such Attachments, Licensee shall notify City within fifteen (15) days of receiving such estimate of such continuing desire to attach, and shall pay to City within 30 days of invoicing (after Licensee approval) any required payment for the estimated make-ready, including engineering, materials (including poles and associated hardware solely attributable to Licensee's Attachment), cost of removal (less any salvage value), and the expense of transferring City's facilities from the old to the new poles. City shall commence all requested make ready and pole replacement work within thirty (30) days of receiving any work request confirmation.

4.5 Non-Interference with City Facilities.

Licensee shall at all times insure that its agents, servants, employees or contractors or contractor's employees do not interfere with City's wires, attachments, and other facilities attached to or supported by poles covered by this Agreement. Each party shall exercise reasonable precautions to avoid damage to the facilities of the other. Without limiting the foregoing, Licensee's Attachment design shall allow adequate climbing space for City personnel.

4.6 Changes or Modifications to Existing Attachment.

Licensee shall not make any changes or modifications to an existing Attachment that results in an increase in the height of the pole, or that increase the weight or location of Attachments on the pole without having the express written permission from City or as otherwise directed by City, e.g., to accommodate another attacher, to assist in the correction of a safety violation, to transfer to another pole, etc. Except for routine maintenance and in emergencies, Licensee shall make application to City for modifications as provided in Article IV.

ARTICLE V

Unauthorized Attachments

5.1 Unauthorized Attachments.

If Attachment is made after the effective date of this Agreement without required permission and/or without following a procedure which is substantially in accordance with this Agreement, such Attachment shall constitute an “Unauthorized Attachment”.

5.2 Application for Unauthorized Attachments.

Upon City’s written notice to Licensee specifically identifying the pole and location of any Attachment City claims to be unauthorized, and upon Licensee’s written verification acknowledging its ownership City may, without prejudice to its other rights or remedies under this Agreement, require Licensee to submit a Permit Application within thirty (30) days after the date of Licensee’s written or electronic verification acknowledging ownership. If such application is not received by City within the specified time period, Licensee shall immediately remove said Unauthorized Attachment. In the event the Unauthorized Attachment creates an emergency or safety hazard, the City may remove Unauthorized Attachments and the expense of such removal shall be borne by Licensee.

5.3 Failure to Act.

No act or failure to act by City with regard to Section 5.2 shall be deemed a ratification or grant of permission to Licensee to attach the Unauthorized Attachment. If any permission is subsequently issued, said permission shall not operate retroactively or constitute a waiver by City of any of its rights under this Agreement; provided, however, that Licensee shall be subject to all charges, liabilities, obligations and responsibilities of this Agreement in regard to any unauthorized Attachment.

ARTICLE VI

Identification of Facilities

6.1 Identification of Facilities.

Licensee shall identify, by such method as the City must approve, all of their facilities attached to City's poles. This identification shall begin with new attachments when this Agreement is signed. No tag, brand, or other device showing Licensee's name or insignia shall be placed on, or attached to, any pole of City, except such tag or insignia which shows Licensee to be a user of such pole and not the owner thereof, and then only after obtaining the written consent of City.

ARTICLE VII

Easements and Rights of Way

7.1 No Warranty.

City does not warrant or assure to Licensee any right of way privilege or easements or that City owns a property right which permits attachment, and if Licensee shall at any time be prevented from placing or maintaining its attachment on City's poles, no liability shall attach to City. Each party shall be responsible for obtaining its own easements and rights of way. The attaching Licensee shall solely be responsible to acquire any legally necessary property right to attach from any property owner.

ARTICLE VIII

Maintenance, Replacements, Relocations and Removals

8.1 Inspection of Facilities.

Licensee shall comply with all applicable ordinances, statutes, codes, rules, regulations and standard industry practices regarding inspection of their facilities. City shall have the right to inspect each installation of Licensee's Attachments and to make periodic inspections of all facilities on City poles, including Licensee's facilities, as it deems necessary. Such inspections, whether made or not, shall in no manner relieve Licensee of any responsibility, obligation, or liability assumed under this Agreement.

8.2 Pole Relocation.

Whenever right-of-way, safety public regulations, or other considerations arise other than as provided in Section IV herein, make relocation of a pole necessary or advisable, such relocation shall be made by City at its own expense, except each party shall pay the cost of transferring its own attachments.

8.3 Relocation of Facilities.

8.3.1 Whenever it is necessary in City's sole judgment to replace or relocate a pole, City shall, except in emergencies, before making such replacement or relocation, give Licensee at least thirty (30) days notice thereof specifying in such notice the time of such replacement or relocation. In an emergency, verbal or electronic notice will be attempted (*except after hours emergencies for which no notice is required*), and any emergency action taken will be subsequently confirmed in writing.

8.3.2 Placement of relocated poles shall be at the sole operational discretion of City, although where possible consideration shall be given to a pole placement that results in the least cost to City and Licensee. Notwithstanding this section, City shall not be liable to Licensee for the cost of relocating its facilities on a replaced or relocated pole. Each party shall bear the cost of transferring its own attachments.

8.3.3. City shall provide Licensee with written or electronic notification at such time as sufficient work has been completed to allow the transfer of Licensee's facilities. Licensee shall transfer its Attachments within thirty (30) days of said notification unless other circumstances arise making the thirty (30) day requirement impossible. Should Licensee fail to transfer its Attachments to the new or relocated pole in the time specified, or if the failure to transfer said attachments results in an emergency or safety hazard, City may transfer Licensee's facilities, and Licensee shall pay City the cost thereof. In the event Licensee fails to transfer its Attachments and City does such work, City shall not be liable for any loss or damage, including incidental and consequential damages or lost revenues to Licensee's facilities or business which may result, except where such damages are caused by City's or willful misconduct. City shall notify Licensee of such transfers following the work.

8.4 Condition of Attachments.

Except as otherwise provided, each party shall at all times maintain all of its property and Attachments in accordance this Agreement, and shall keep them in good repair.

8.5 Non-Conformance with Specifications.

Should the City discover, at any time, an Attachment that is permitted, but otherwise in violation of the safety requirements or the terms and conditions of this agreement, including an Attachment that may have been conforming at one time but that Licensee caused to come out of compliance, the City shall notify Licensee, and excepting emergency and/or safety situations, Licensee shall cure the non-conformity within thirty (30) days after the date of such written or electronic notification (If the Licensee believes that the nonconformity is not curable with a thirty (30) day period, upon consent of the City, said consent to not unreasonably be withheld, the period will be extended provided that if Licensee substantially commences to cure such non-conformity and proceeds diligently thereafter to effect such

cure). In those situations where Licensee's failure to conform to the terms and conditions of this agreement is deemed by the City to result in an emergency and or safety hazard, the City may immediately remove Licensee's facilities at Licensee's sole risk and expense. Nothing in this section shall require Licensee to conform existing Attachments to new or revised code specifications where the applicable code does not so require, including any new or revised specifications of the City. In all circumstances, NESC grandfathering rules shall apply to any and all safety standards and existing Attachments.

8.6 Licensee Assumption of Responsibility.

Licensee expressly assumes responsibility for determining the condition of all poles to be climbed by its employees, contractors, or employees of contractors. City disclaims any warranty or representation regarding the condition and safety of the poles of City. Licensee's employees or contractors shall take all reasonable steps to ensure that a pole is safe to be used or climbed upon and in the event of doubt, shall not proceed and shall seek reasonable assistance. Regardless of whether contact has been made by City or not, any pole that is marked with an orange "X" is deemed unsafe to climb or have any objects, such as a ladder, leaned up against it.

8.7 Replacement of Deteriorated Poles Without Attachments.

Should City replace any poles because of deterioration or the requirements of public authorities or property owners, or in City's sole judgment for the benefit of its system, and should Licensee desire to occupy the new pole, Licensee shall reimburse City for the cost of any increment of pole height or strength provided specifically for Licensee's sole requirements over and above the pole height and strength required by City.

8.8 Increased Pole Space Requirements.

Should City replace any poles because of increased requirements of more than one pole occupant, including Licensee, but not Licensor, Licensee shall be responsible for its transfer costs from the old pole to the new pole and for the costs of City on a pro rata basis with other pole licensees. In any case where facilities of City or of others are required to be rearranged on the poles of City to accommodate the Attachments of Licensee, Licensee shall pay to City the total cost incurred by City in rearranging such facilities. In any case where Licensee's facilities are required to be rearranged to accommodate the Attachments of a third-party, City shall first notify the third party of the existence of Licensee's facilities and shall require proof from the third-party attacher that satisfactory arrangements have been made with Licensee for reimbursement of any expense occasioned by the third-party's request.

8.9 Noninterference with City Circuits.

Licensee expressly agrees that City's circuits are to continue in normal operation during Licensee's performance of any construction or maintenance, and that Licensee is to provide and use all protective equipment necessary for the protection of the public, the City, and Licensee's employees, contractors, and equipment, and Licensee shall guard against interference with normal operation of City's circuits.

ARTICLE IX

Abandonment of Poles and Removal of Attachments

9.1 Notice.

Licensee may at any time remove its facilities from any of City's poles and, in such case, Licensee shall immediately give City written or electronic notice of such removal identifying from what locations and on what date equipment was removed. Removal of said facilities from any of City's poles shall constitute a termination of Licensee's permit to use such poles.

9.2 Pole Abandonment

If City desires at any time to abandon any pole(s), it shall give Licensee notice in writing or in electronic form to that effect at least thirty (30) days prior to the date on which it intends to abandon such pole(s). If Licensee desires to maintain its Attachments, then Licensee shall notify City and City shall, when feasible, negotiate in good faith mutually acceptable terms and conditions for the sale of the pole(s) to Licensee. If Licensee does not desire to maintain its Attachments, then Licensee shall remove its Attachments prior to the date on which City intends to abandon the pole(s). If, at the expiration of such notice period, Licensee has not removed all of its Attachments from such poles, City may remove Licensee's Attachments and charge Licensee a reasonable fee for such removal.

9.2.1 Should Licensee buy the pole, as specified herein, Licensee agrees and understands that it shall assume total responsibility for, and hold City harmless therefrom, maintenance, replacement and/or disposal requirements mandated by local, state and/or federal law. Licensee recognizes and acknowledges that it is taking title to the pole for all purposes. Licensee further recognizes and acknowledges that utility poles and related items may contain various hazardous chemicals or properties and that Licensee shall become familiar with the terms of the appropriate material safety data sheet and agrees to comply with such terms and all directions contained therein or otherwise required by local, state and/or federal law regarding the maintenance, replacement and/or disposal of the pole. Licensee also understands the City does not warrant, guarantee or imply that such poles possess sufficient mechanical strength as required by any use of Licensee. Additionally, Licensee agrees and understands the City makes no representations or

guarantees concerning any right to occupy the premises where the pole is currently located upon the removal of City's facilities.

ARTICLE X

Rentals, Charges and Rates

10.1 Rental Rate.

Licensee shall pay to City rental fees on an annual basis, in accordance with the fee schedule established by the Common Council from time to time pursuant to applicable law. Rental shall be calculated on a per-pole basis, for any Attachments existing as of December 31. There shall be no prorating of rentals for partial years.

10.2 Billings.

Annual invoices shall be rendered on or about October 1 of each year based on the number of City poles with Licensee Attachments existing as of December 31 of the prior year. Invoices shall be considered delinquent if undisputed amounts are not paid within thirty (30) days of the billing date. Nonpayment of any amount due under this Section shall constitute a default of this Agreement if such amount remains unpaid thirty (30) days after receipt of written notice of such nonpayment. Notwithstanding the foregoing, in the event of a bona fide dispute regarding the amount owed by Licensee, Licensee shall promptly pay any amounts undisputed from the total billing, and shall immediately set forth, with as much specificity as possible, the basis for disputing any portion of the billing.

10.3 Pole Inventory.

Licensee and City shall agree, on an annual basis, but no later than by September 1 of each year, the total number of poles which Licensee Attachments occupy.

10.4 Physical Inventory.

Licensee and City shall maintain an inventory of the total number of poles occupied by Licensee Attachments and all future rental fees shall be based on such physical inventory. City shall have the right to conduct a physical inventory of Licensee's Attachments on City poles. Licensee shall notify City if Licensee chooses to have a representative present during the inventory process. A physical inventory shall be taken no more frequently than once every five (5) years; provided, however, that City may request and require a physical inventory to be taken more frequently in the event Licensee has been found to be making unauthorized attachments.

10.5 Inventory from Plant Records.

As an alternative to performance of the physical inventory, the parties may, if mutually agreeable, determine the number of occupied poles from the number of permits approved and/or from existing maps and/or Attachment records provided that such maps or records exist and provided that each party agrees that results with reasonable accuracy can be achieved. If the parties agree to this method, any maps and/or records belonging to one of the parties and utilized to count the number of poles occupied by Licensee Attachments shall be made accessible to the other party and the number of poles occupied by Licensee Attachments shall be determined through a mutual and cooperative effort of both parties. The results of the pole counts performed in this manner shall be treated, for the purpose of determining rentals and other charges due for unauthorized Attachments, as if results were achieved by the actual physical inventory.

10.6 Payment.

Unless specifically provided for elsewhere in this Agreement, all undisputed non-rental amounts payable under this Agreement, such as for erection, rearrangement, relocation or abandonment, shall be due and payable within thirty (30) days of billing by City. Licensee shall immediately set forth, with as much specificity as possible, the basis for disputing any portion of the billing.

ARTICLE XI

Safety

11.1 Inspections.

City shall have the right to inspect each new installation of Licensee's facilities upon such poles and to make periodic inspections of all the facilities on its poles, including City's and Licensee's as it deems reasonably necessary. Such inspections, whether made or not, shall in no manner relieve Licensee of any responsibility, obligation, or liability assumed under this Agreement.

11.2 Conflicts with Electric Lines.

City shall provide Licensee notice of any ordinance, statute, code, rule or regulation violation it discovers. Ordinance, statute, code, rule or regulation violations and conflicts with electric lines shall be corrected in a prompt manner by Licensee if Licensee created the violation. In some instances, ordinances, statutes, codes, rules, or regulations may require that qualified electrical workers perform the work. In that event, Licensee shall either hire qualified contractors or pay City to perform the work. Failure by Licensee to act in a prompt and responsible manner may result in City taking appropriate measures to correct the safety violations created by Licensee and Licensee shall be responsible for the cost thereof. In such cases, the inspection, design, repair, and coordination charges shall be

borne by Licensee if it failed to perform necessary duties required by ordinance, statute, code, or administrative rules and regulations.

ARTICLE XII

12.1 Duty of Care; Reimbursement for Damages.

Each party shall exercise precautions to avoid causing damage to the other party's poles, facilities and equipment, and shall assume all responsibility for such damage to the extent said damages were caused by the party's negligence or intentional conduct. In the event damage is caused, the responsible party shall make an immediate report of the occurrence to the other party and shall reimburse the other party under this section no later than thirty (30) days from the occurrence of damages.

ARTICLE XIII

Third Party Uses

13.1 Noninterference.

Nothing contained herein shall be construed as affecting any rights or privileges conferred by City, by contract or otherwise, to others not a party to this Agreement to use any facilities or poles covered by this Agreement. City shall have the right to continue to extend such rights and privileges. The rights granted herein to the Licensee may be affected by contracts and arrangements made prior to entry into this agreement. Should any other party claim a prior right covered by this Agreement, and such claim be upheld by a court of proper jurisdiction, Licensee shall make no claim against City for damages, or otherwise, on account thereof.

ARTICLE XIV

Indemnification and Insurance

14.1 Indemnification.

Each party shall indemnify, protect, save harmless the other party from and against any and all claims and demands of any kind or nature arising out of or relating to this agreement for damages to property and for injury or death to persons, (including payments made under any Workers' Compensation Law or under any plan for employees' disability and death benefits), sustained as a consequence of that party's negligence or intentional conduct, including any claims or damages for failure to acquire a property right or have authority to attach or permit attachment to City's poles. Such obligation to indemnify, protect, save harmless and insure shall include, but not be limited to all expenses incurred in defending against any such claims or demands, including attorneys' fees, expert fees and other costs of defense.

14.2 Insurance Requirements.

While this Agreement is in effect Licensee shall carry and keep in force insurance policies with a reliable company licensed to do business in the State of Wisconsin to protect the parties from and against any and all claims, demands, actions, judgments, costs, expenses and liabilities of every kind and nature which may arise or result directly or indirectly from Licensee's activities under this Agreement which policies shall be in amounts no less than the following minimum requirements:

14.2.1 Commercial general liability insurance (including coverage for motor vehicle operation) and independent contractors' insurance, with minimum limits of \$2 million each occurrence and \$5 million aggregate, including coverage for contractual liability insurance. City shall be a named insured on said policy.

14.2.2 Workers' compensation insurance in compliance with the laws of the State of Wisconsin, and employer's liability insurance with minimum limits of \$500,000.

14.2.3 Licensee shall furnish City with certificates of insurance showing that such insurance is in force and will not be canceled without thirty (30) days written notice to the City Administrator or his/her designee. In the alternative, Licensee shall demonstrate to the satisfaction of City that it is self-insured and that any deductible, self-insured retention or other financial responsibility for claims shall be covered directly by Licensee in lieu of insurance.

ARTICLE XV

Term of Agreement

15.1 Five Year Term; Termination.

This Agreement shall become effective as of the year and date first written above and shall continue in effect for a term of five (5) years, subject to annual rate revisions pursuant to Section 10.1. Thereafter, this Agreement shall automatically renew from year to year unless terminated by either party by giving written notice of its intention to do so not less than 90 days prior to the end of any term. Upon termination of this Agreement, the terms of this Agreement shall continue to apply to Licensee's Pole Attachments and service drop contacts in place on City poles as of the termination date, unless and until a successor agreement has been executed.

15.2 Survival of Obligations.

Termination of this Agreement in whole or in part shall not release the parties from any liability or obligation hereunder, whether of indemnity or otherwise, which may have accrued or which may be accruing or which arises out of any claim that may have accrued or be accruing at the time of or prior to termination.

ARTICLE XVI

Default

16.1 Notice of Default; Cure

Subject to any remedies allowed for in Sections 4.4, 5.2, 8.3, 8.5, 9.2, 10.2, and 10.6 herein, if Licensee shall fail to comply with any material provision of this Agreement or should default in any of its obligations under this Agreement, and Licensee shall fail within thirty (30) days after written notice from City to correct or undertake to correct with reasonable diligence such noncompliance or default, City may at its option, and without further notice, declare this Agreement to be terminated in its entirety, or may terminate the license covering the Attachment or Attachments in respect to which such default or noncompliance shall have occurred. If the default is of such a nature that it cannot be corrected within thirty (30) days, Licensee's obligation hereunder is satisfied if Licensee within thirty (30) days and submits in writing a reasonable plan and work schedule and commitment to finish the correction promptly.

ARTICLE XVII

Ownership Rights

17.1 License Only.

No use, however extended, of any of the facilities under this Agreement shall create or vest in Licensee any ownership or property rights therein, but Licensee's rights therein shall be and remain a mere license.

ARTICLE XVIII

Notices

18.1 Delivery.

Unless otherwise provided in this Agreement, any notice, request, consent, demand or statement which is contemplated to be made upon either party by the other party under any of the provisions of this Agreement, shall be in writing and shall be treated as duly delivered when

it is either (a) personally delivered to the City Clerk in the case of notice to be given to City, or personally delivered to the office of Licensee in the case of notice to be given to Licensee; (b) received by a party after being deposited in the United States Mail, Return Receipt Requested, (c) received by a party after being sent by a reputable overnight courier, and properly addressed to the party, or (d) electronic mail, to be served as follows:

(a) If notice is to City:

City Clerk:

31 S. Madison Street
PO Box 529
Evansville, WI 53536

(b) If notice is to Licensee:

Charter Communications

Attn: Construction Manager
2701 Daniels Street
Madison, WI 53718

For RDOF:

Charter Communications
Attn: Construction Manager (RDOF)
2701 Daniels Street
Madison, WI 53718

For Legal Notices:

Charter Communications
Legal Operations
12405 Powerscourt Road
St. Louis, MO 63131t

ARTICLE XIX

Supplemental Agreements

19.1 Changes.

This Agreement may be amended or supplemented only upon written agreement by the parties hereto.

ARTICLE XX

Payment of Taxes

20.1 Each party shall pay all taxes and assessments lawfully levied on its own property upon City's poles.

20.2 Licensee agrees that if any tax, fee or charge is levied against City solely due to Licensee's equipment or facilities being on City's poles, Licensee will reimburse City the full amount of said tax, fee, or charge.

ARTICLE XXI

Supplying Information

21.1 Changes.

Licensee shall promptly report to City any changes made in the number of Licensee's attachments to City's poles, as required herein.

ARTICLE XXII

Waiver of Terms or Conditions

22.1 Waiver.

The failure of either party to enforce or insist upon compliance with any of the terms or conditions of this Agreement shall not constitute a general waiver or relinquishment of any such terms or conditions, but such conditions and terms shall remain at all times in full force and effect.

ARTICLE XXIII

Construction of Agreement

23.1 Wisconsin Law Shall Apply.

This Agreement is deemed executed in the State of Wisconsin and shall be construed under the laws of the State of Wisconsin.

23.2 Venue for Litigation.

In the event suit or action is instituted to enforce or interpret any of the terms of this Agreement, the parties agree that proper venue for said action or suit shall lie in the Circuit Court, County of Rock, State of Wisconsin.

ARTICLE XXIV

24.1 Compliance with Laws and Administrative Rules.

The parties agree that, in the performance of this Agreement, each party shall comply with and be subject to all federal, state and local governmental rules and regulations.

IN WITNESS WHEREOF, the parties executed this Agreement as of the first date set forth above.

City of Evansville

By: (signature)
City of Evansville, insert title

By: (signature)
City of Evansville, insert title

Spectrum Mid-America LLC

By: Charter Communications, Inc., its Manager

By: _____ (signature)

Its: Area Vice President



The Solar Energy Opportunity for Evansville Municipal Utility

October 2021



Why solar?

- Lock in long-term energy supply at a defined rate
- Hedge against escalating and volatile gas prices
- Generate potential savings against capacity/transmission/congestion charges
- Bolster the city's economic development potential by showing the business world that Evansville shares its commitment to environmental sustainability/climate
- Position for potential Federal regulations/incentives

A potential project and approach

- SolAmerica has an option agreement to develop a project on a parcel along N Cemetery Rd. with ~50 acres of developable land
- This project could involve solar, solar + storage or stand-alone storage
- An approach that could be of interest to Evansville involves the following:
 - A power purchase agreement for 30 years
 - Early buyout options starting in 6 years (considered the minimum time to confidently capture the Federal tax credits)
 - Buyout at fair market value
 - Blending tax credit capture with the city's low cost of capital should provide the lowest cost approach to going solar

Site Area and Indicative Layout



Project plan detail for two size options

PPA Term	5 MWac	10 MWac
Size (MWdc)	6,486	12,972
Size (MWac)	5,000	10,000
System type	Single-axis tracker	Single-axis tracker
Year 1 Production (MWH's)	9,751	18,867
Annual degradation of production	~0.3-0.5%	~0.3-0.5%

Assumed equipment model/make detail available on request (SolAmerica only uses Tier I products)

Pricing by option

PPA Term	5 MWac	10 MWac
30-Yr PPA with 0% escalation and early buyout	\$65.07/MWH	\$61.82/MWH

Assumptions:

- All REC's provided to the utility (If REC's were sold, this could lower PPA rates)
- Utility responsible for all work on its side of the transformer (interconnection upgrades are not eligible for the Federal tax credit)
- Minimal civil work and permitting expense
- Early buyout options begin in year 6

Battery Storage

SolAmerica has significant experience with PV solar projects that include battery storage. If desired by Evansville, SolAmerica can also propose a storage solution either for direct-to-grid usage or behind-the-meter. The campus at right shows the solar plus storage project we did for MTU America (Rolls Royce) in Aiken, SC.



SolAmerica Overview



Synergen Landfill, Fort Washington, MD - 6.6 MW

- Founded in 2009, SolAmerica develops, constructs and finances solar energy and solar + battery storage projects
- Became a JV with Osaka Gas in 2020
- Headquartered in Atlanta with offices in DC, FL, NJ/NY, NC, Chicago
- Over 200 megawatts deployed
- Project types include direct-to-grid (including community solar) and behind-the-meter
- Project designs include roof-mount, ground-mount and parking canopy
- Clients include utilities, commercial/industrial facilities and long-term solar asset owners

Assumptions			
Solar yearly degradation	0.05	NREL median degradation of 0.05	
September Bill kWh	5,845,902	kWh	
Sept Payment	\$ 207,137		
WPPI Price/MWh	\$ 35.43	\$/MWh from WPPI	
PPA Price	\$ 65.07	\$/MWh at 5 Mvac	
PPA Price	\$ 61.82	\$/MWh at 10 Mvac	
MWdc	6.49	5 Mvac	
MWdc	12.97	10 Mvac	
inverter eff	0.77	5 Mvac	
inverter eff	0.77	10 Mvac	
PV Watts Generation Est	9,829	kWh (5MW)	
PV Watts Generation Est	19,658	kWh (10MW)	

System Size

5

10

5

10

Description	Units	Rate	Amount	P
All Requirements Service				Nc
Transmission Demand Charge	13,775 kW	\$6.95600	\$95,818.90	
Demand Charge	13,775 kW	\$12.86500	\$177,215.38	N
On Peak Energy Charge	1,708,408 kWh	\$0.041410	\$70,745.18	
Super on Peak Energy Charge	656,402 kWh	\$0.051890	\$34,060.70	Su
Off Peak Energy Charge	1,739,309 kWh	\$0.034590	\$60,162.70	To
Super off Peak Energy Charge	1,741,783 kWh	\$0.024210	\$42,168.57	
DCA1	13,775 kW	\$2.26900	\$31,255.48	
DCA2	15,869 kW	\$0.22700	\$3,602.26	
Energy Cost Adjustment	7,403,879 kWh	\$0.00452	\$33,465.53	
Subtotal			\$548,494.70	

	Solar Generation MWh	Solar Generation MWh	Choose Renewable Monthly Blocks Cost Per Yr	Choose Renewable Monthly Blocks Cost Per Yr	
Year 1 Production	9,751	18,867	\$ 32,503.33	\$ 62,890.00	values from PPA slide
Year 2	9,263	17,924	\$ 30,878.17	\$ 59,745.50	
Year 3	8,800	17,027	\$ 29,334.26	\$ 56,758.23	
Year 4	8,360	16,176	\$ 27,867.55	\$ 53,920.31	
Year 5	7,942	15,367	\$ 26,474.17	\$ 51,224.30	
Year 6	7,545	14,599	\$ 25,150.46	\$ 48,663.08	
Year 7	7,168	13,869	\$ 23,892.94	\$ 46,229.93	
Year 8	6,809	13,176	\$ 22,698.29	\$ 43,918.43	
Year 9	6,469	12,517	\$ 21,563.38	\$ 41,722.51	
Year 10	6,146	11,891	\$ 20,485.21	\$ 39,636.39	
Year 11	5,838	11,296	\$ 19,460.95	\$ 37,654.57	
Year 12	5,546	10,732	\$ 18,487.90	\$ 35,771.84	
Year 13	5,269	10,195	\$ 17,563.50	\$ 33,983.25	
Year 14	5,006	9,685	\$ 16,685.33	\$ 32,284.08	
Year 15	4,755	9,201	\$ 15,851.06	\$ 30,669.88	
Year 16	4,518	8,741	\$ 15,058.51	\$ 29,136.39	
Year 17	4,292	8,304	\$ 14,305.58	\$ 27,679.57	
Year 18	4,077	7,889	\$ 13,590.30	\$ 26,295.59	
Year 19	3,873	7,494	\$ 12,910.79	\$ 24,980.81	
Year 20	3,680	7,120	\$ 12,265.25	\$ 23,731.77	
Year 21	3,496	6,764	\$ 11,651.99	\$ 22,545.18	
Year 22	3,321	6,425	\$ 11,069.39	\$ 21,417.92	
Year 23	3,155	6,104	\$ 10,515.92	\$ 20,347.02	
Year 24	2,997	5,799	\$ 9,990.12	\$ 19,329.67	
Year 25	2,847	5,509	\$ 9,490.62	\$ 18,363.19	
Year 26	2,705	5,234	\$ 9,016.09	\$ 17,445.03	potential inverter fail
Year 27	2,570	4,972	\$ 8,565.28	\$ 16,572.78	
Year 28	2,441	4,723	\$ 8,137.02	\$ 15,744.14	
Year 29	2,319	4,487	\$ 7,730.17	\$ 14,956.93	
Year 30	2,203	4,263	\$ 7,343.66	\$ 14,209.09	
TOTAL	153,161	296,348	\$ 510,537.16	\$ 987,827.36	

30 Years	5 Mw		10 Mw	
Cost if purchased from WPPI	\$	5,426,941	\$	10,500,471
Cost of Choose RE from WPPI	\$	5,937,478	\$	11,488,298
PPA contract price	\$	9,966,196	\$	18,320,246
Cost Diff from WPPI to PPA	\$	4,539,255	\$	7,819,775
WPPI Choose RE to PPA	\$	4,028,718	\$	6,831,948

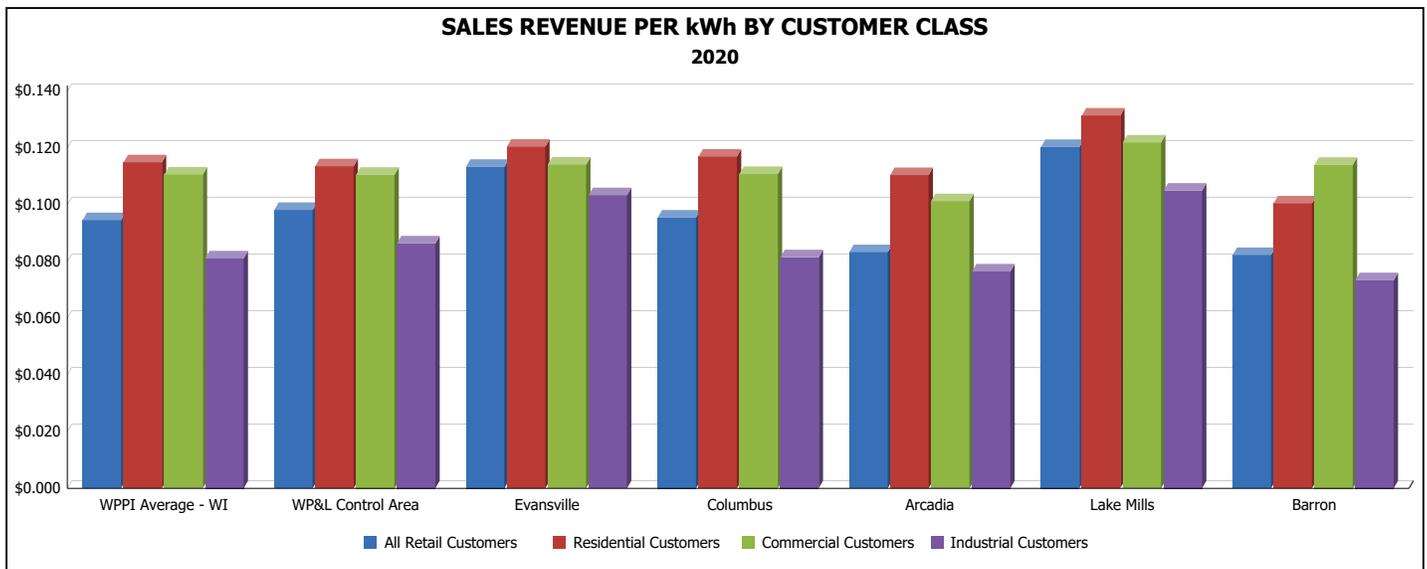
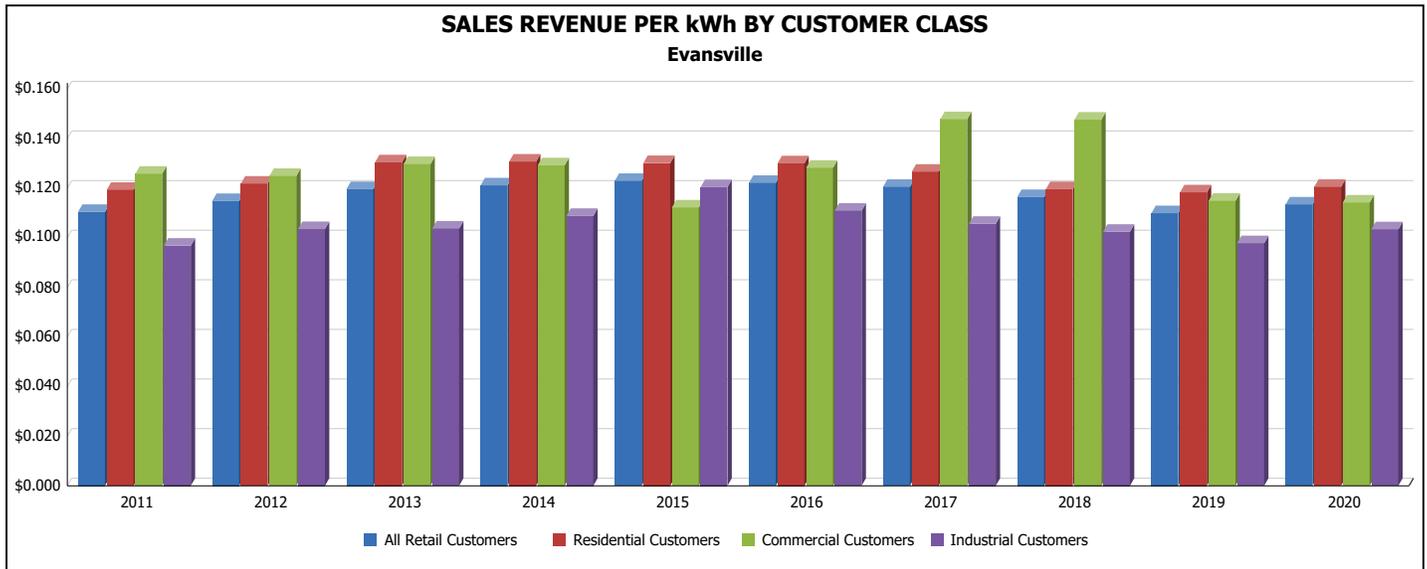
Evansville Water & Light

SALES REVENUE PER kWh BY CUSTOMER CLASS:

The ratio of total electric operating revenue from sales to customers to total kilowatt-hour sales. This ratio measures the amount of revenue received for each kilowatt-hour of electricity sold to each of the classes of customers.

Evansville

Year	All Retail Customers	Residential Customers	Commercial Customers	Industrial Customers
2011	\$0.110	\$0.119	\$0.126	\$0.097
2012	\$0.115	\$0.122	\$0.125	\$0.104
2013	\$0.120	\$0.130	\$0.130	\$0.104
2014	\$0.121	\$0.131	\$0.129	\$0.109
2015	\$0.123	\$0.130	\$0.112	\$0.120
2016	\$0.122	\$0.130	\$0.128	\$0.111
2017	\$0.120	\$0.127	\$0.148	\$0.106
2018	\$0.116	\$0.120	\$0.148	\$0.102
2019	\$0.110	\$0.118	\$0.115	\$0.098
2020	\$0.113	\$0.120	\$0.114	\$0.103



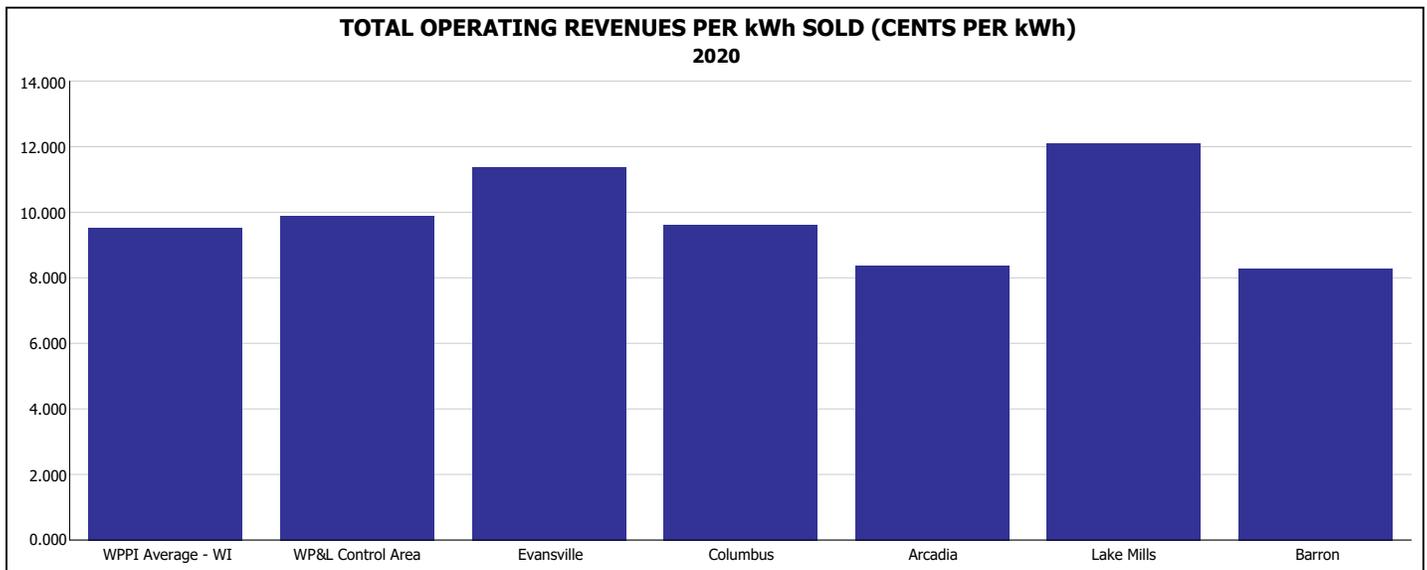
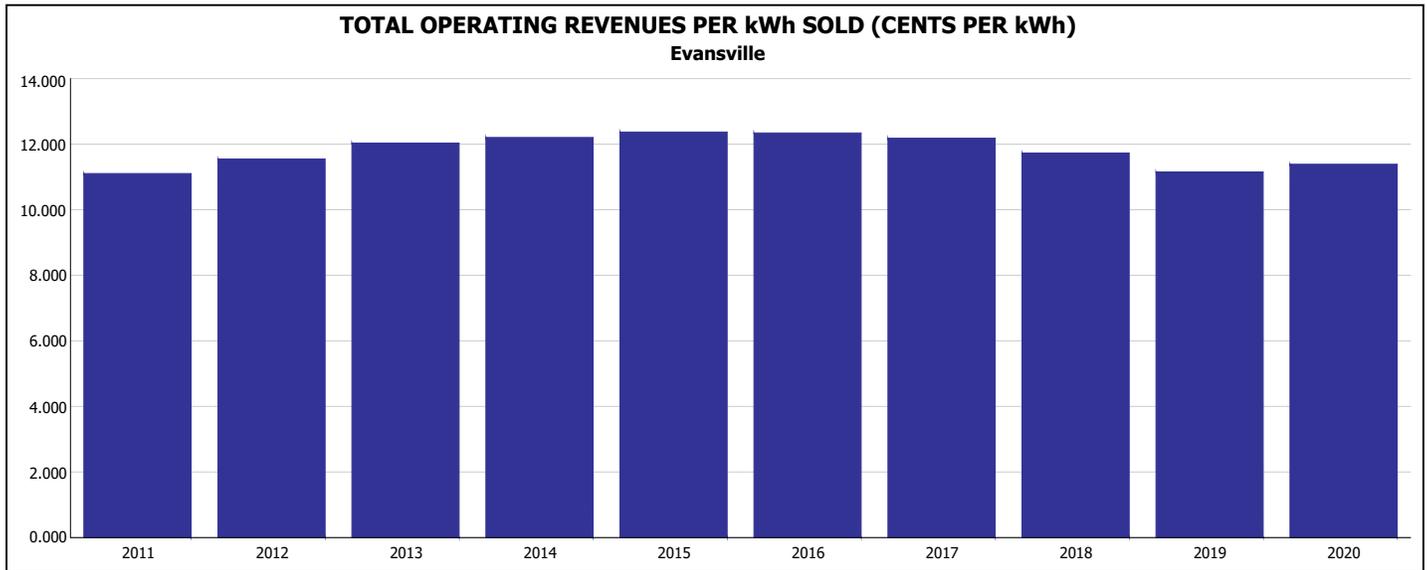
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

TOTAL OPERATING REVENUES PER kWh SOLD (CENTS PER kWh):

The ratio of total electric utility operating revenues, to total kilowatt-hour sales to ultimate and resale customers. This ratio measures the amount of operating revenue received for each kilowatt-hour of electricity sold, either for resale or to ultimate customers.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	9.46	9.94	11.10	10.44	8.06	10.96	8.24
2012	9.71	10.13	11.55	10.64	7.46	11.27	8.39
2013	9.77	10.18	12.03	10.57	7.64	11.29	7.58
2014	9.85	10.29	12.20	10.55	8.18	11.28	7.63
2015	9.90	10.31	12.37	10.72	9.11	12.31	8.12
2016	9.76	10.26	12.34	10.12	9.18	12.48	8.58
2017	9.93	10.30	12.18	10.17	8.66	12.81	8.45
2018	9.46	9.78	11.73	9.85	8.22	12.13	8.57
2019	9.34	9.64	11.15	9.35	8.19	12.07	8.64
2020	9.55	9.89	11.39	9.65	8.40	12.12	8.29



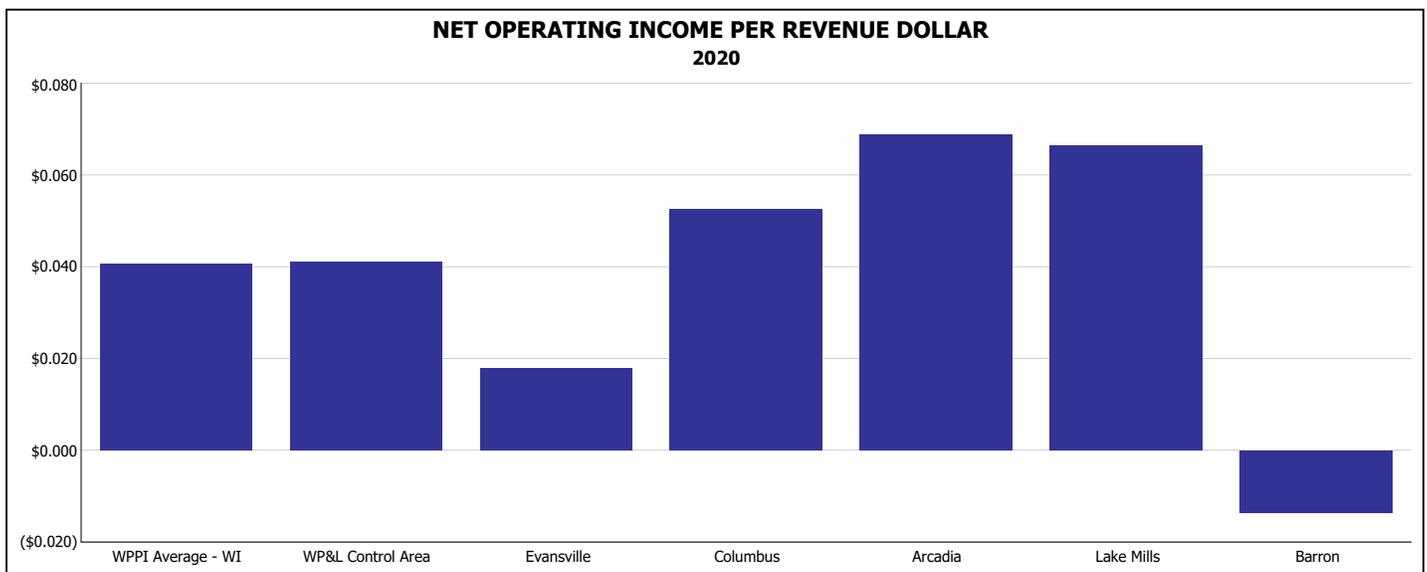
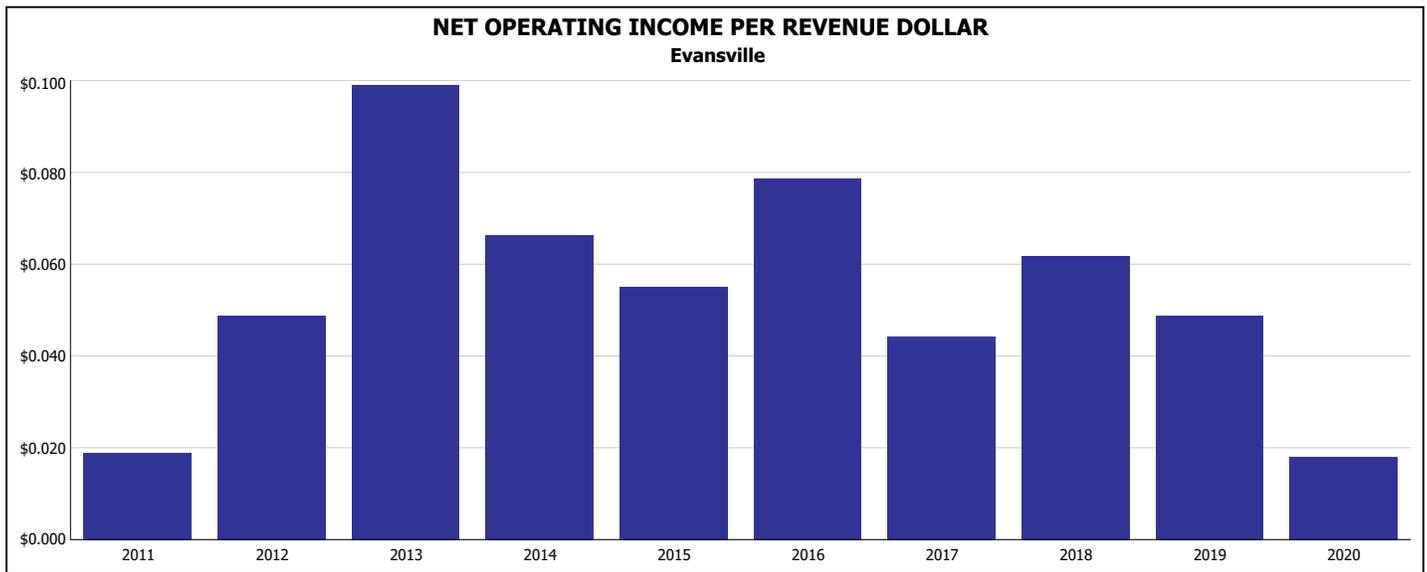
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

NET OPERATING INCOME PER REVENUE DOLLAR:

The ratio of net electric utility income to total electric operating revenues. This ratio measures the amount of income remaining, after accounting for operation and maintenance expenses, depreciation, taxes and tax equivalents, for every dollar received from sales of electricity.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	\$0.039	\$0.036	\$0.019	\$0.071	\$0.047	\$0.032	\$0.027
2012	\$0.038	\$0.035	\$0.049	\$0.053	\$0.077	\$0.024	(\$0.025)
2013	\$0.042	\$0.036	\$0.099	\$0.051	\$0.026	(\$0.003)	\$0.067
2014	\$0.041	\$0.033	\$0.066	\$0.047	\$0.023	\$0.008	\$0.018
2015	\$0.044	\$0.039	\$0.055	\$0.070	\$0.080	\$0.097	\$0.004
2016	\$0.044	\$0.043	\$0.079	\$0.048	\$0.050	\$0.119	\$0.014
2017	\$0.043	\$0.041	\$0.044	\$0.044	\$0.056	\$0.105	\$0.009
2018	\$0.045	\$0.045	\$0.062	\$0.058	\$0.086	\$0.071	\$0.008
2019	\$0.040	\$0.040	\$0.049	\$0.050	\$0.100	\$0.054	(\$0.008)
2020	\$0.041	\$0.041	\$0.018	\$0.053	\$0.069	\$0.067	(\$0.014)



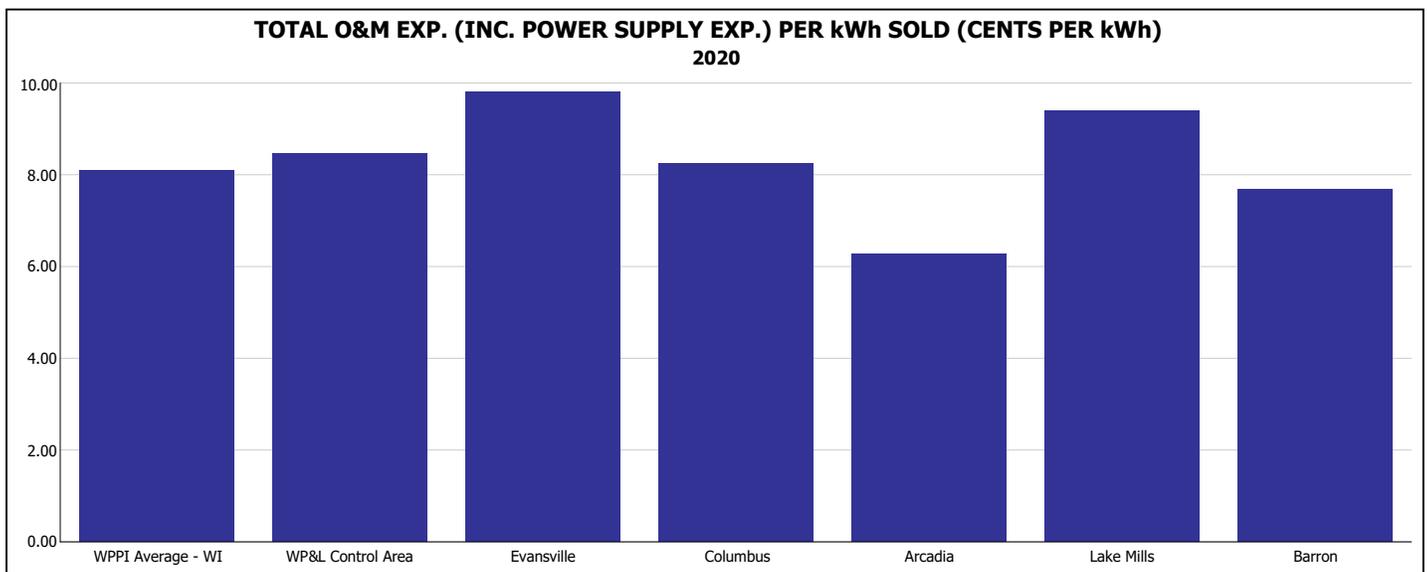
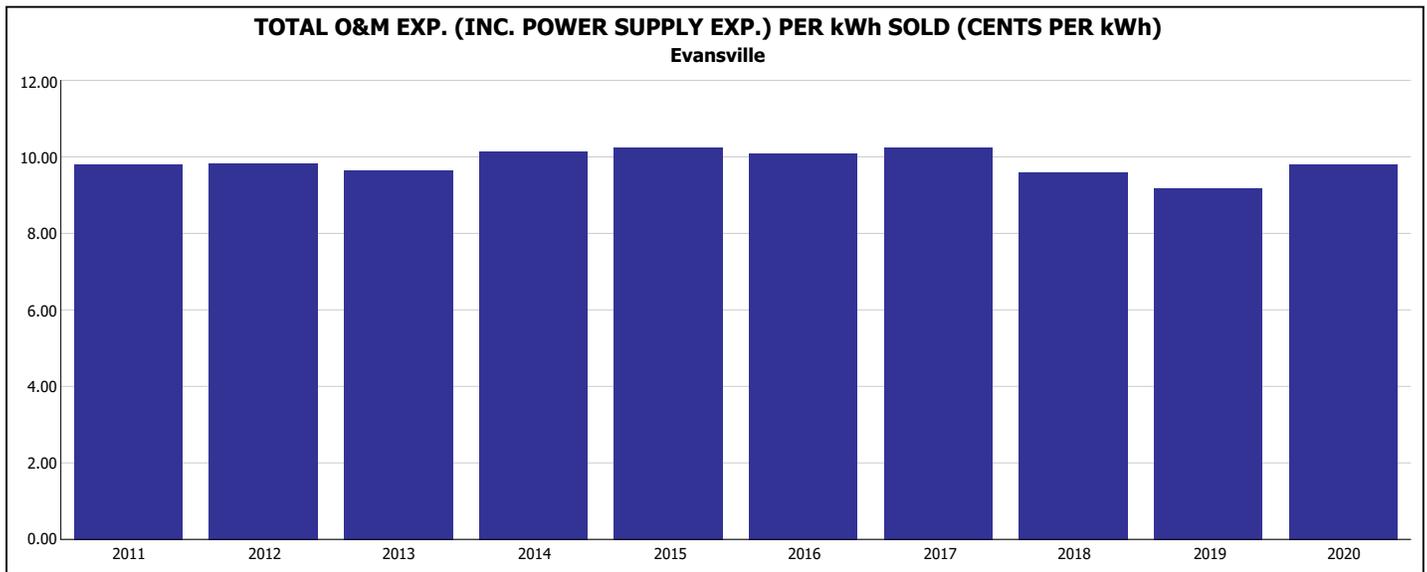
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

TOTAL O&M EXP. (INC. POWER SUPPLY EXP.) PER kWh SOLD (CENTS PER kWh):

The ratio of total electric utility operation and maintenance expenses, including the cost of generated and purchased power, to total kilowatt-hour sales to ultimate and resale customers. This ratio measures average total operation and maintenance expenses associated with each kilowatt-hour of electricity sold, either for resale or to ultimate customers.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	8.38	8.82	9.82	8.94	6.77	9.59	7.42
2012	8.59	8.97	9.85	9.19	5.93	9.88	7.99
2013	8.59	8.99	9.65	9.11	6.47	10.14	6.47
2014	8.65	9.14	10.15	9.20	6.99	10.04	6.89
2015	8.62	9.05	10.27	9.12	7.21	9.83	7.42
2016	8.46	8.94	10.11	8.81	7.34	9.45	7.83
2017	8.59	8.98	10.26	8.87	6.77	9.78	7.70
2018	8.10	8.44	9.61	8.41	6.15	9.54	7.84
2019	7.99	8.29	9.19	8.03	5.95	9.54	8.02
2020	8.12	8.49	9.83	8.27	6.29	9.42	7.70



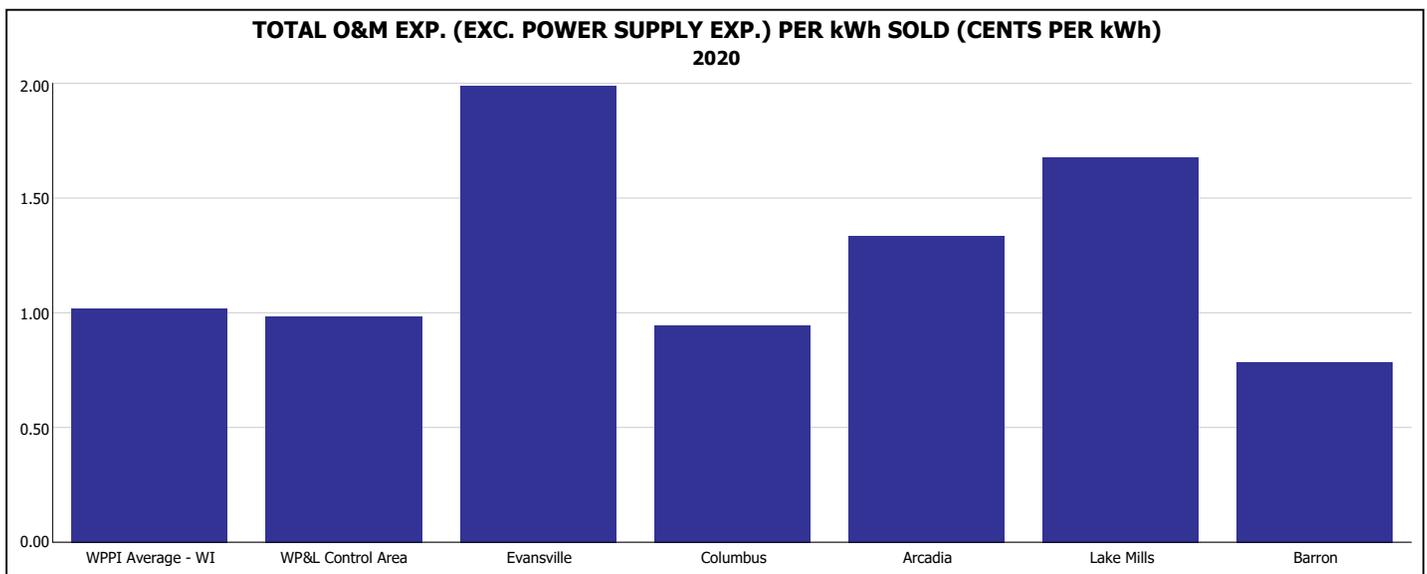
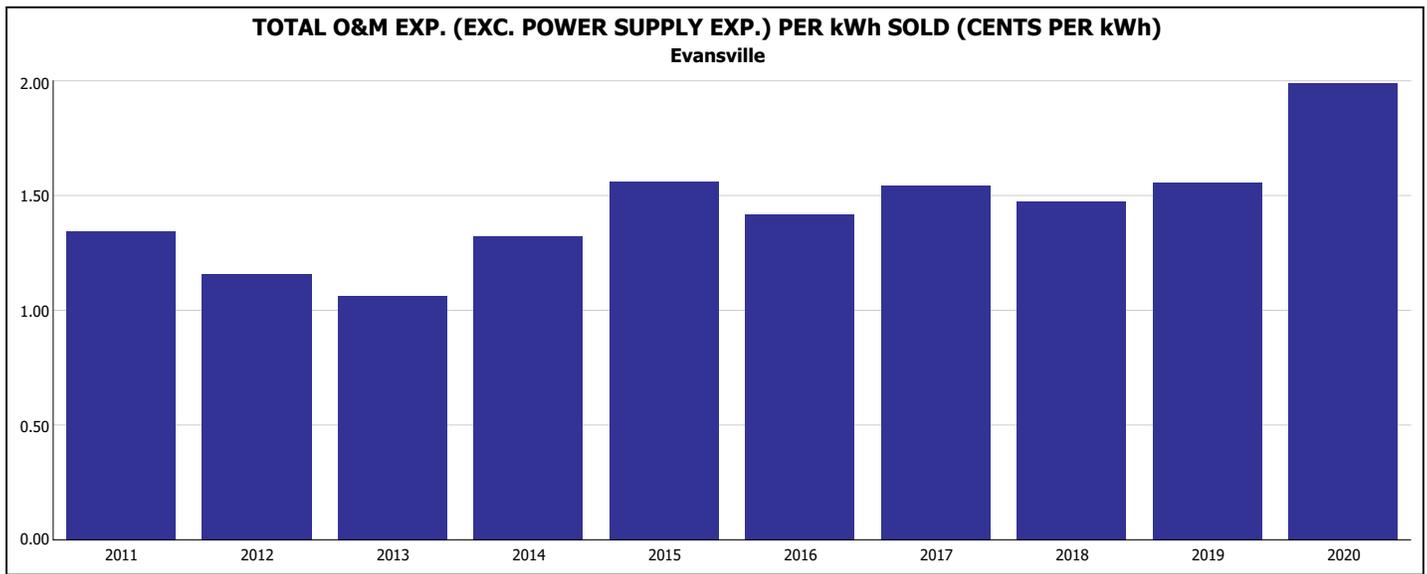
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

TOTAL O&M EXP. (EXC. POWER SUPPLY EXP.) PER kWh SOLD (CENTS PER kWh):

The ratio of total electric utility operation and maintenance expenses, excluding all costs of power supply, to total kilowatt-hour sales to ultimate customers.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	0.82	0.81	1.35	0.98	0.76	1.49	0.67
2012	0.78	0.76	1.16	0.99	0.76	1.40	0.63
2013	0.82	0.79	1.06	0.94	0.75	1.63	0.64
2014	0.83	0.80	1.32	0.92	0.82	1.50	0.64
2015	0.87	0.84	1.56	0.83	0.88	1.50	0.70
2016	0.88	0.84	1.42	0.89	0.95	1.22	0.73
2017	0.94	0.88	1.55	0.98	1.17	1.47	0.74
2018	0.95	0.87	1.47	0.92	1.03	1.78	0.75
2019	1.00	0.91	1.56	0.90	1.15	1.90	0.83
2020	1.02	0.99	1.99	0.95	1.34	1.68	0.79



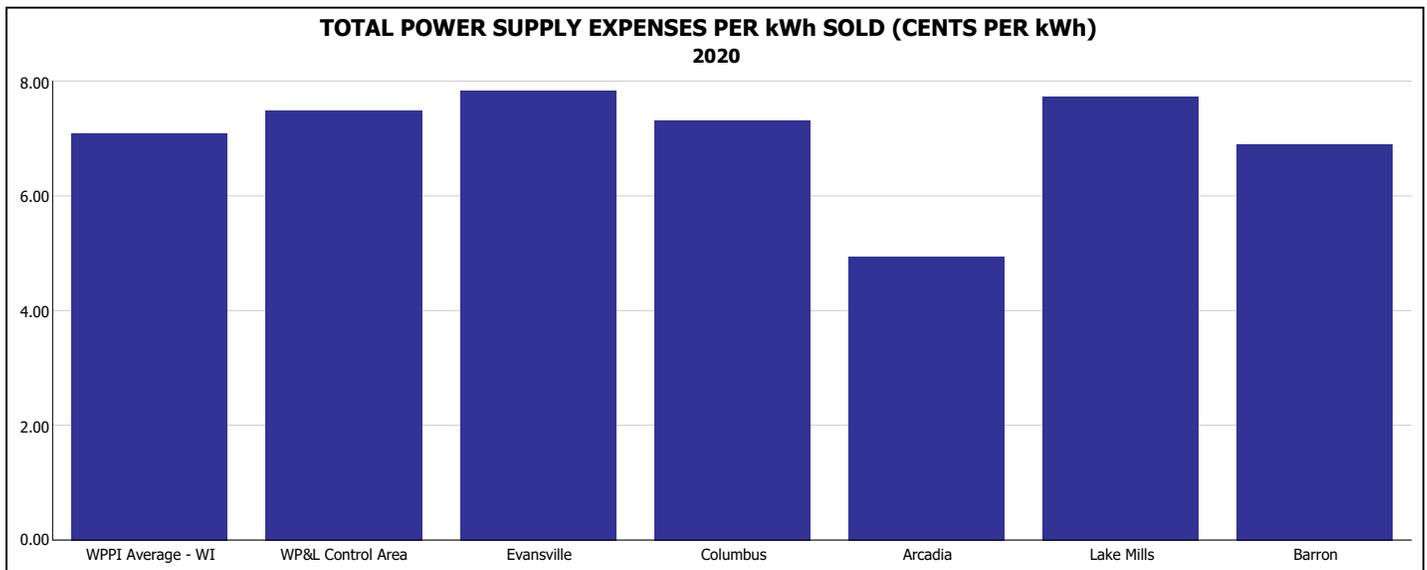
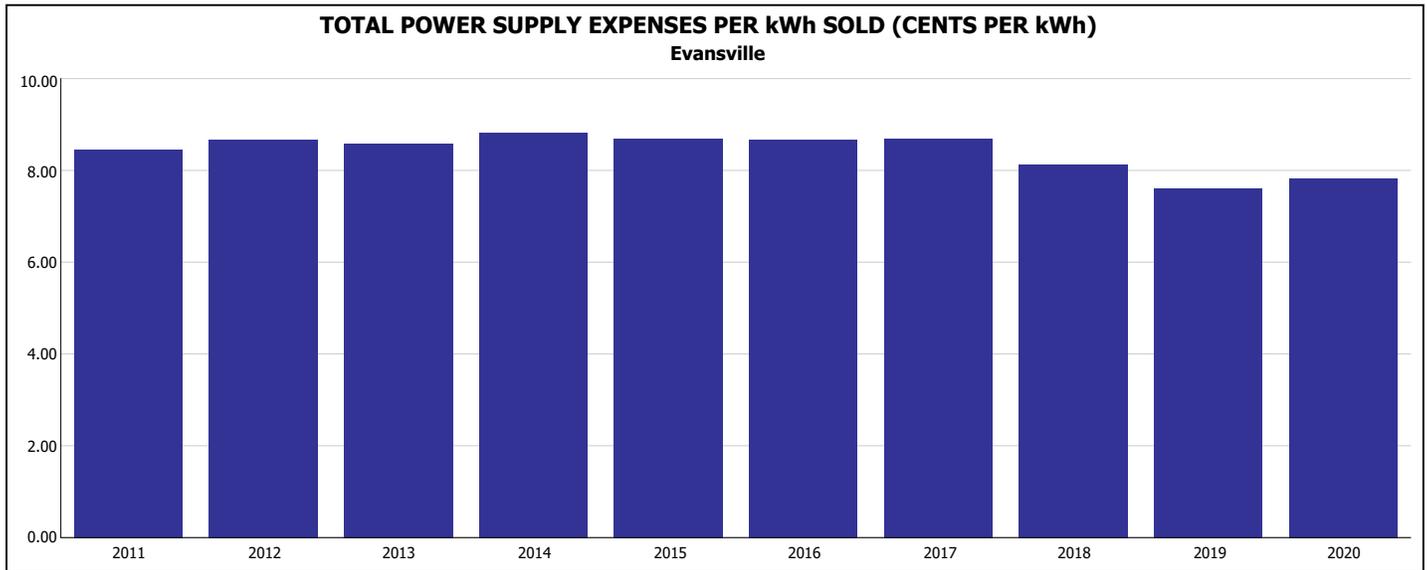
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

TOTAL POWER SUPPLY EXPENSES PER kWh SOLD (CENTS PER kWh):

The ratio of the total costs of power supply to total sales to both ultimate and resale customers. This ratio measures all power supply costs, including hydroelectric generation expenses and purchased power, associated with the sales of each kilowatt-hour of electricity.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	7.57	8.01	8.47	7.96	6.01	8.10	6.74
2012	7.81	8.21	8.69	8.19	5.17	8.48	7.36
2013	7.77	8.20	8.59	8.17	5.72	8.51	5.83
2014	7.82	8.33	8.82	8.28	6.17	8.54	6.25
2015	7.76	8.22	8.71	8.29	6.33	8.33	6.72
2016	7.58	8.10	8.69	7.92	6.38	8.23	7.11
2017	7.65	8.10	8.71	7.89	5.60	8.31	6.95
2018	7.15	7.58	8.14	7.50	5.12	7.76	7.09
2019	6.99	7.38	7.63	7.13	4.80	7.65	7.19
2020	7.10	7.51	7.84	7.33	4.95	7.74	6.92



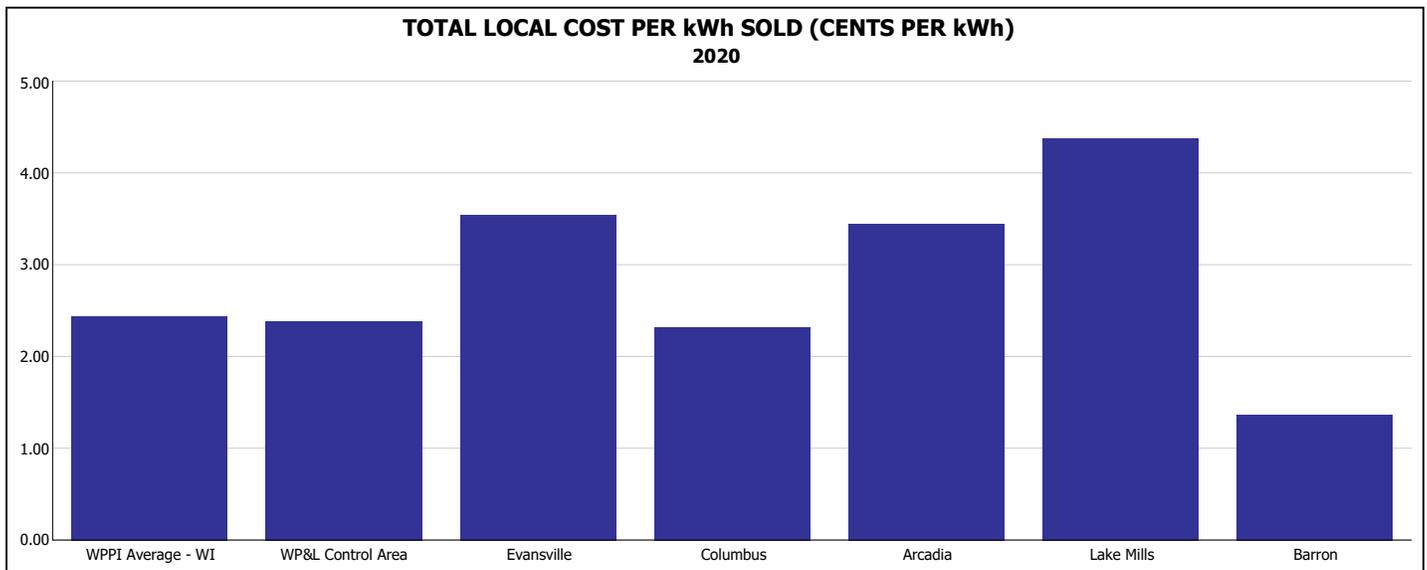
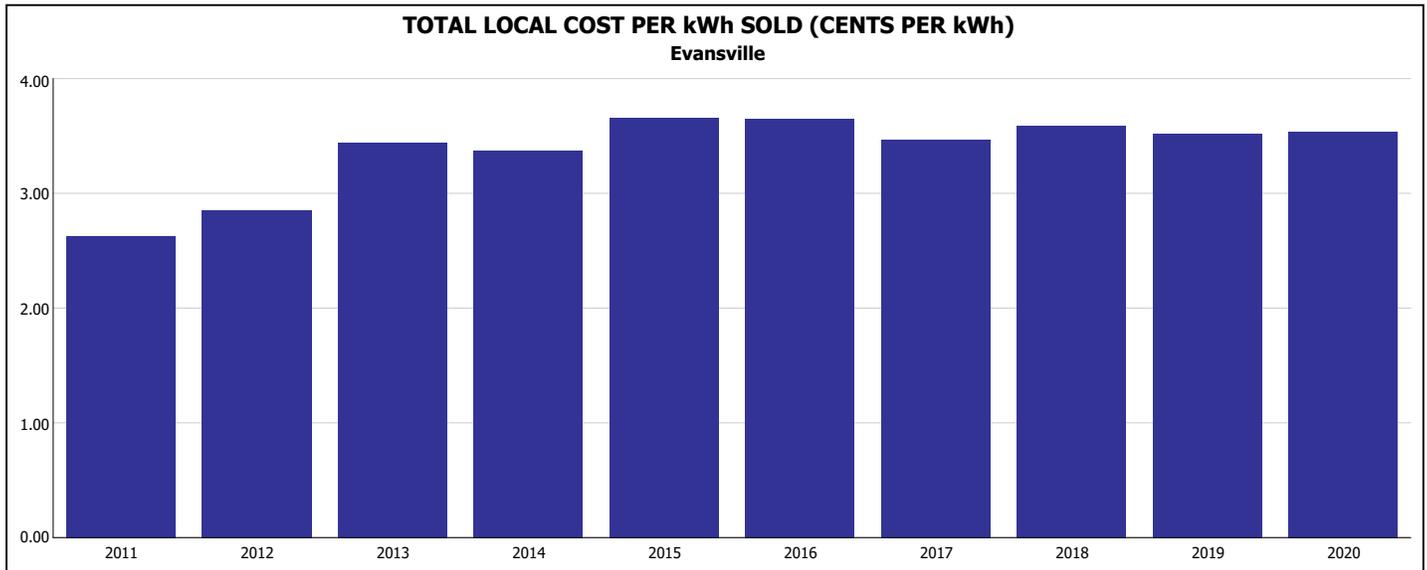
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

TOTAL LOCAL COST PER kWh SOLD (CENTS PER kWh):

The ratio of the difference between the total operating revenues per kWh sold and total power supply expense per kWh sold. This ratio measures all distribution costs associated with the sale of each kilowatt-hour of electricity.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	1.89	1.93	2.64	2.49	2.05	2.86	1.49
2012	1.90	1.92	2.86	2.45	2.28	2.80	1.03
2013	2.00	1.98	3.45	2.40	1.92	2.78	1.75
2014	2.02	1.98	3.38	2.27	2.01	2.74	1.38
2015	2.14	2.10	3.66	2.43	2.78	3.98	1.39
2016	2.18	2.16	3.65	2.20	2.80	4.25	1.48
2017	2.28	2.20	3.47	2.27	3.07	4.50	1.50
2018	2.31	2.21	3.59	2.35	3.10	4.37	1.48
2019	2.35	2.26	3.52	2.22	3.39	4.42	1.45
2020	2.45	2.38	3.55	2.32	3.45	4.38	1.38



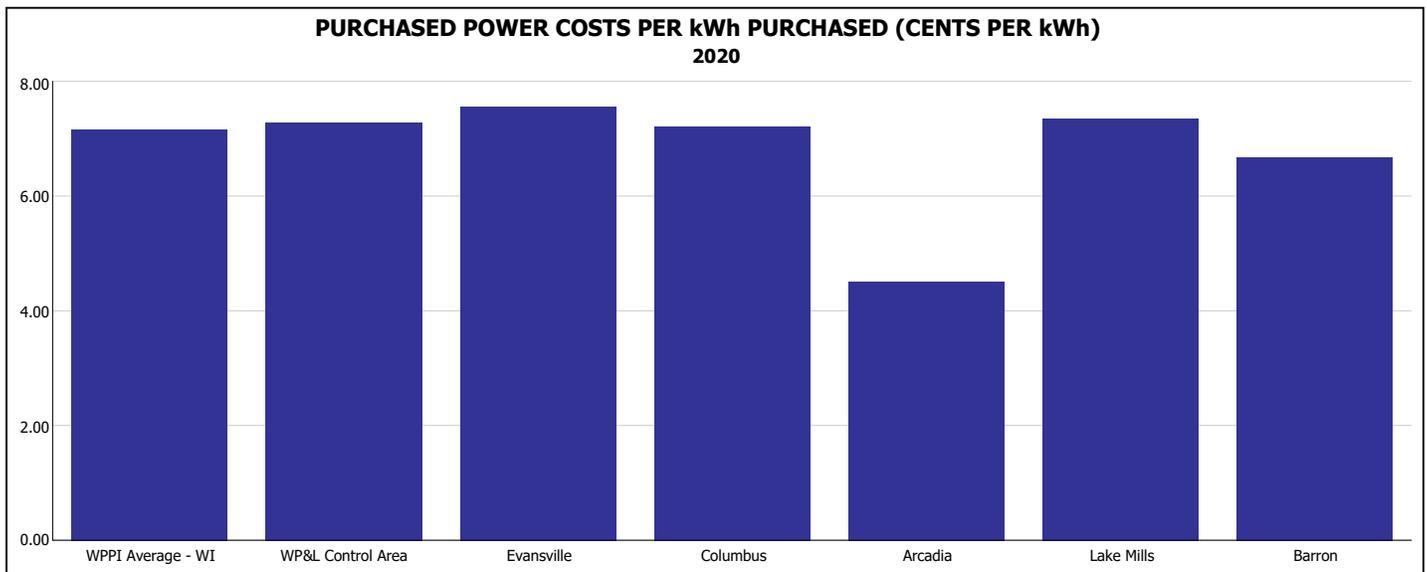
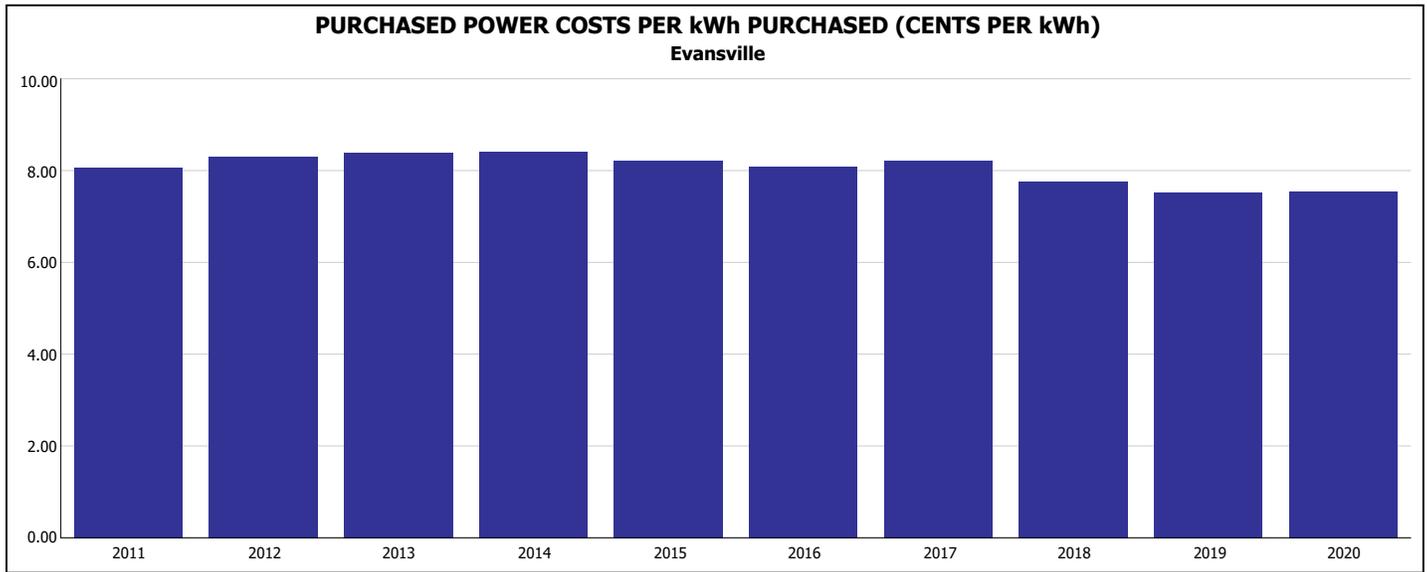
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

PURCHASED POWER COSTS PER kWh PURCHASED (CENTS PER kWh):

The ratio of purchased power to the amount of kilowatt-hours purchased. This ratio measures the purchased power component of power supply costs.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	7.56	7.77	8.09	7.71	5.63	7.75	6.48
2012	7.72	7.94	8.31	7.95	4.82	8.05	7.01
2013	7.72	7.95	8.40	7.83	5.30	8.05	5.75
2014	7.56	8.06	8.43	7.98	5.69	8.06	6.13
2015	7.80	7.99	8.24	7.96	5.83	7.96	6.51
2016	7.66	7.84	8.09	7.63	5.90	7.88	6.82
2017	7.68	7.86	8.22	7.61	5.20	7.97	6.69
2018	7.16	7.36	7.78	7.30	4.69	7.47	6.81
2019	7.04	7.20	7.53	7.05	4.35	7.28	6.93
2020	7.18	7.30	7.56	7.23	4.51	7.36	6.68



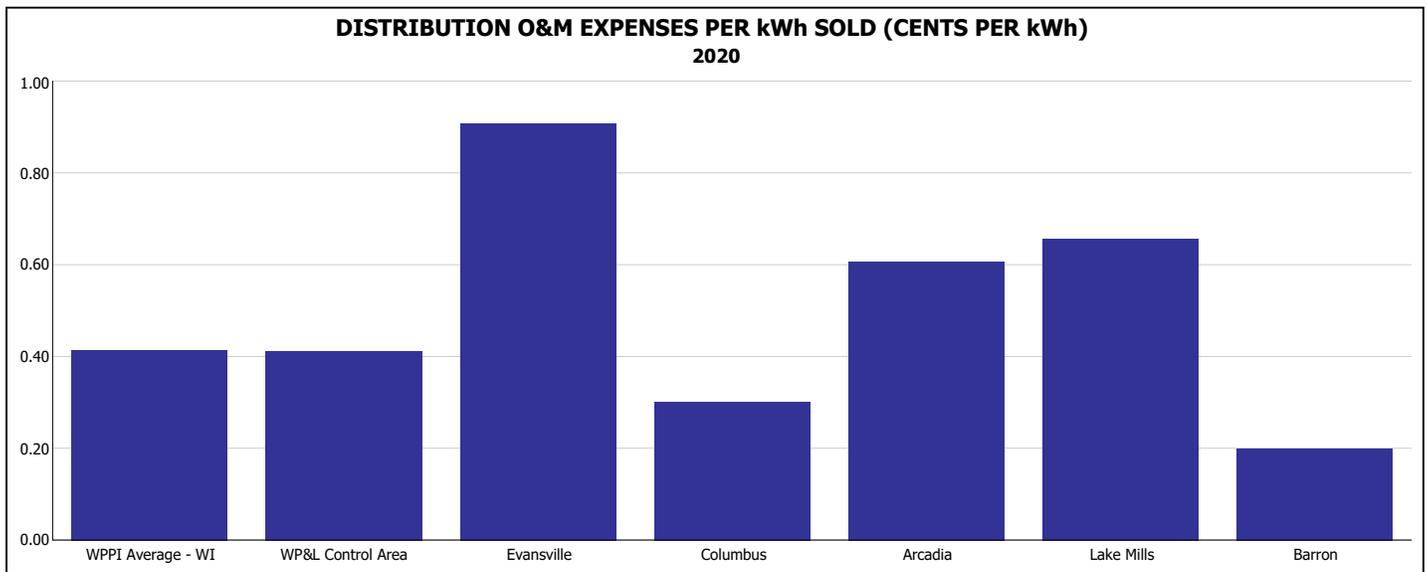
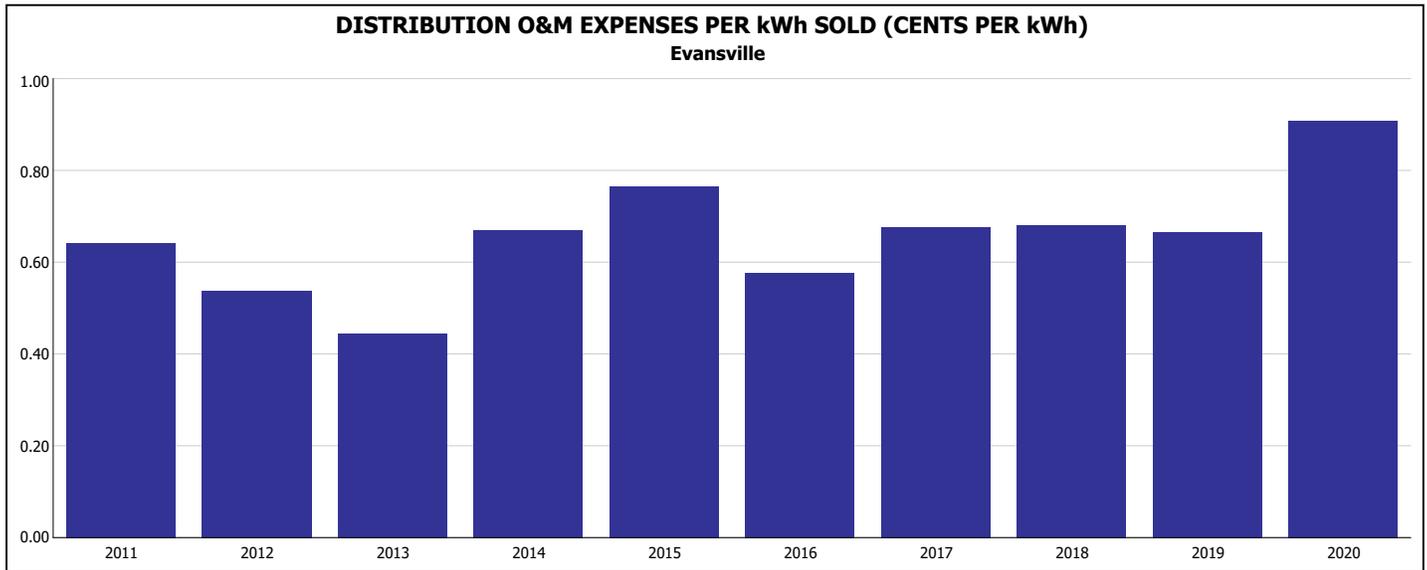
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

DISTRIBUTION O&M EXPENSES PER kWh SOLD (CENTS PER kWh):

The ratio of total distribution operation and maintenance expense to total energy sales to both ultimate and resale customers. This ratio measures the average distribution expense associated with the sale of each kilowatt-hour of electricity in cent per kWh.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	0.32	0.29	0.64	0.31	0.25	0.61	0.20
2012	0.30	0.28	0.54	0.35	0.25	0.58	0.18
2013	0.33	0.29	0.44	0.36	0.27	0.66	0.17
2014	0.33	0.31	0.67	0.37	0.29	0.66	0.18
2015	0.34	0.33	0.77	0.31	0.32	0.58	0.17
2016	0.35	0.32	0.58	0.40	0.37	0.26	0.19
2017	0.37	0.35	0.68	0.38	0.57	0.56	0.20
2018	0.39	0.36	0.68	0.33	0.40	0.86	0.18
2019	0.42	0.37	0.67	0.28	0.49	0.95	0.32
2020	0.41	0.41	0.91	0.30	0.61	0.66	0.20



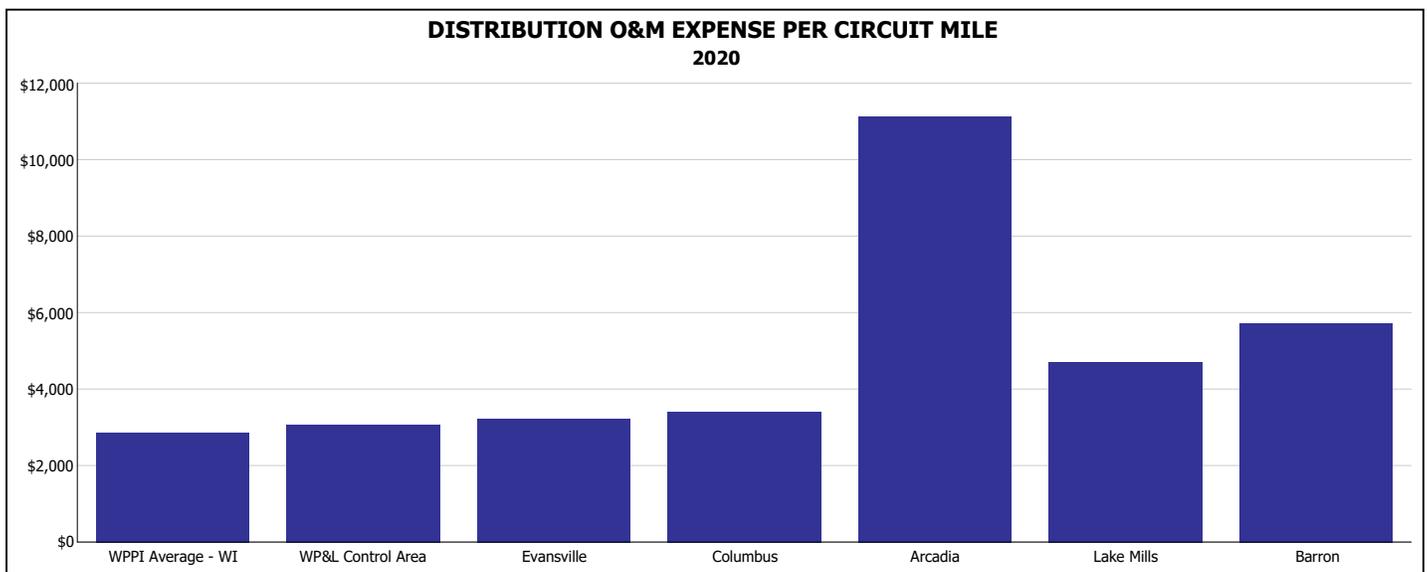
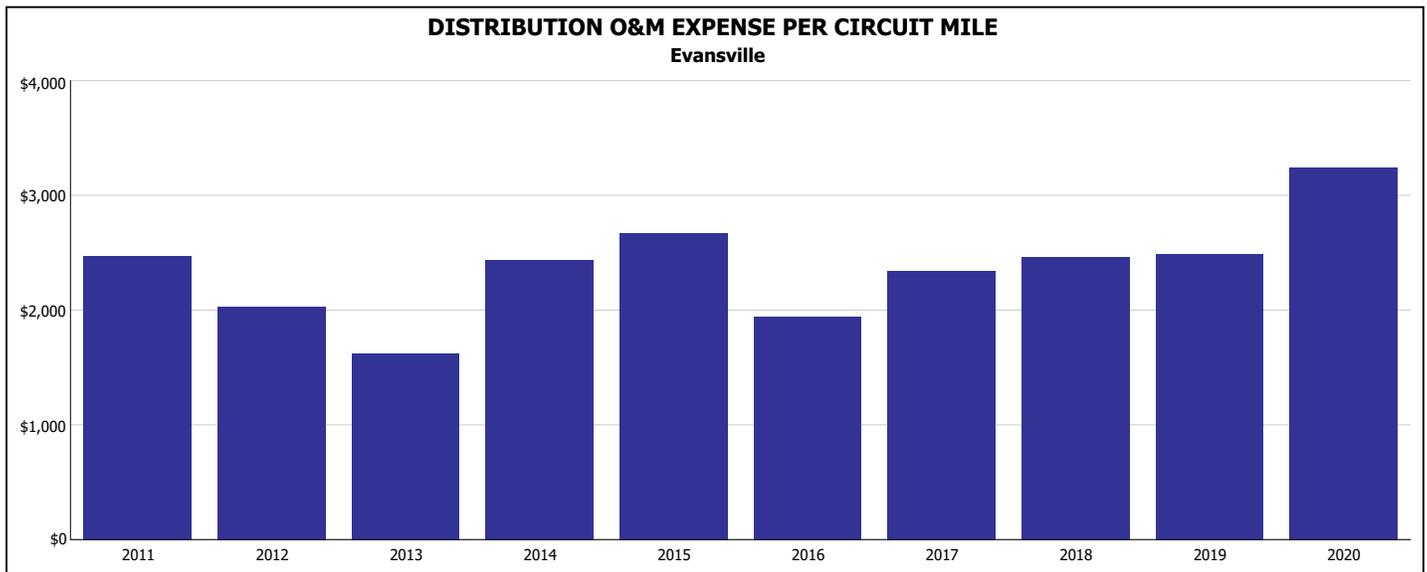
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

DISTRIBUTION O&M EXPENSE PER CIRCUIT MILE:

The ratio or total distribution operation and maintenance expenses to the total number of circuit miles of distribution line. This ratio measures the total distribution costs associated with each circuit mile of distribution line used to deliver power to customers.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	\$1,846	\$1,507	\$2,474	\$3,254	\$5,477	\$4,689	\$7,858
2012	\$1,708	\$1,450	\$2,036	\$3,753	\$5,482	\$4,306	\$6,958
2013	\$1,899	\$1,521	\$1,628	\$3,933	\$5,617	\$4,733	\$6,813
2014	\$1,893	\$1,630	\$2,443	\$4,257	\$5,705	\$4,853	\$5,604
2015	\$1,947	\$2,391	\$2,671	\$3,553	\$6,096	\$4,368	\$4,814
2016	\$1,951	\$2,325	\$1,951	\$4,724	\$6,906	\$1,916	\$5,408
2017	\$1,956	\$2,519	\$2,343	\$4,573	\$10,946	\$3,861	\$5,456
2018	\$2,877	\$2,668	\$2,471	\$4,102	\$7,925	\$6,175	\$5,230
2019	\$2,965	\$2,756	\$2,489	\$3,537	\$9,519	\$6,558	\$9,109
2020	\$2,869	\$3,088	\$3,245	\$3,408	\$11,144	\$4,727	\$5,728



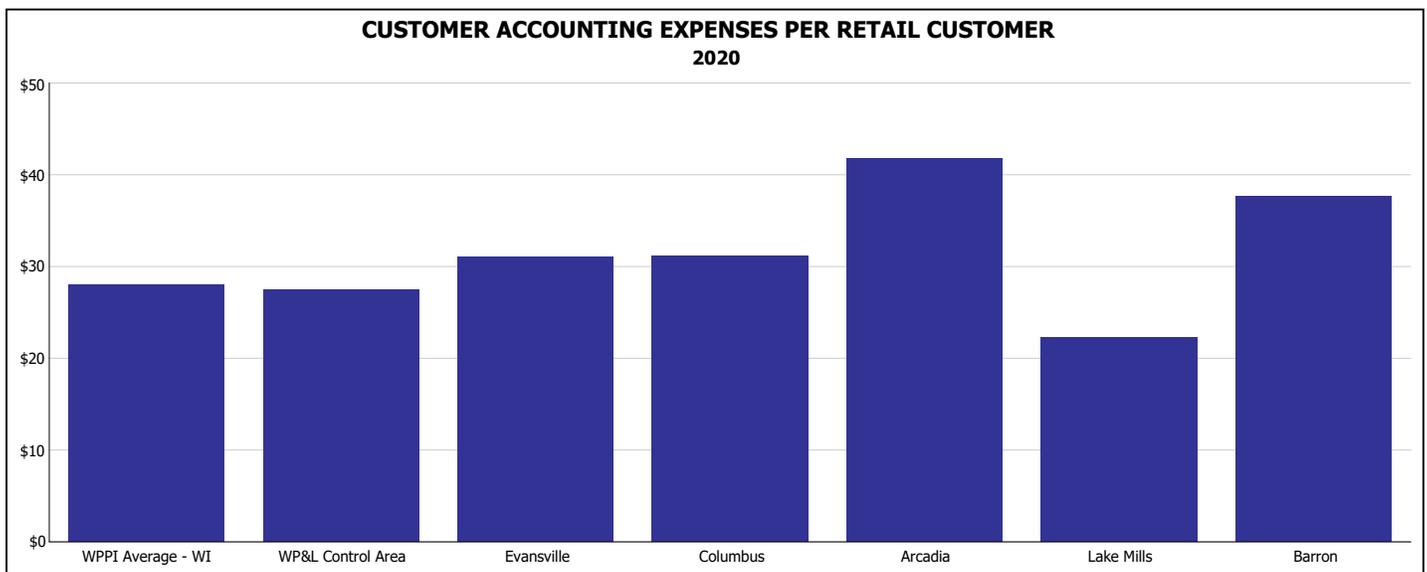
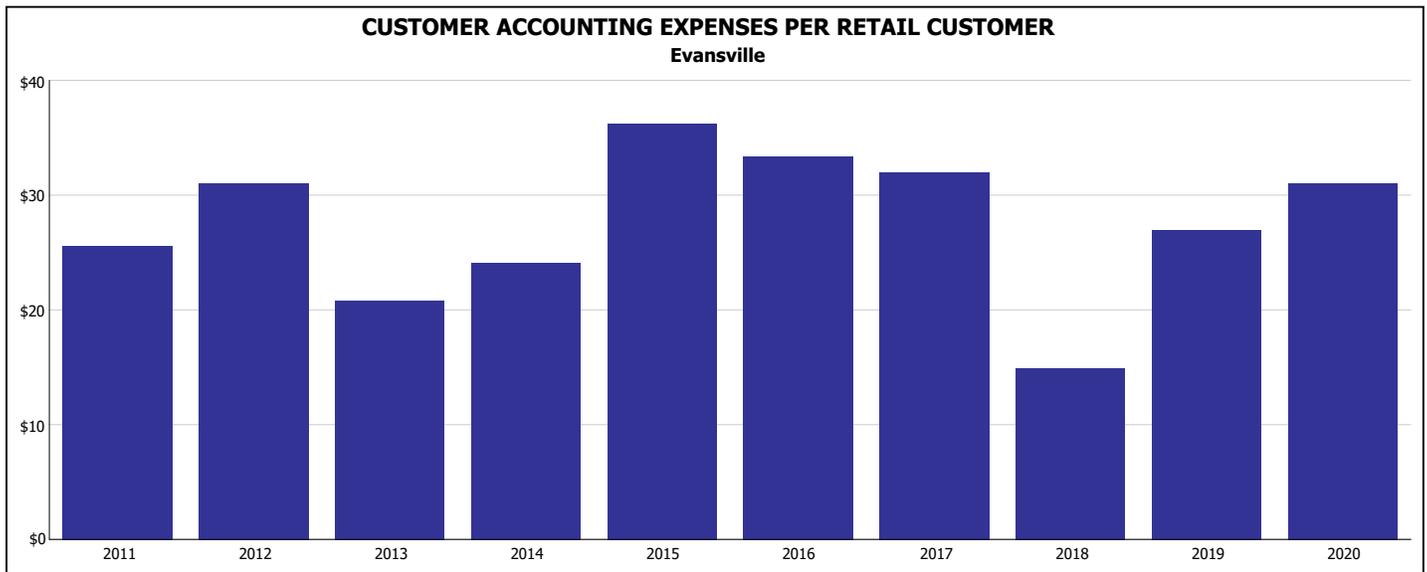
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

CUSTOMER ACCOUNTING EXPENSES PER RETAIL CUSTOMER:

The ratio of total customer accounting and service expenses to the total number of retail customers. This ratio measures the average annual expenses incurred by the utility in handling each customer's account. This includes the costs of metering reading, and servicing all retail customers. Uncollectible account expenses are included in this ratio.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	\$28.99	\$31.13	\$25.64	\$29.59	\$24.40	\$14.04	\$26.57
2012	\$26.69	\$27.64	\$31.08	\$30.75	\$46.91	\$16.23	\$27.31
2013	\$28.37	\$28.08	\$20.89	\$32.06	\$21.57	\$18.33	\$29.05
2014	\$30.40	\$27.01	\$24.16	\$36.23	\$21.43	\$19.91	\$33.36
2015	\$30.07	\$27.50	\$36.26	\$31.85	\$28.16	\$16.21	\$32.11
2016	\$29.63	\$26.72	\$33.41	\$30.42	\$33.07	\$18.94	\$31.00
2017	\$29.48	\$26.52	\$32.07	\$29.64	\$35.02	\$19.44	\$32.23
2018	\$29.54	\$24.91	\$14.97	\$27.56	\$31.78	\$25.80	\$36.42
2019	\$28.43	\$22.65	\$27.02	\$27.49	\$33.65	\$23.14	\$33.61
2020	\$28.09	\$27.60	\$31.10	\$31.26	\$41.85	\$22.39	\$37.79



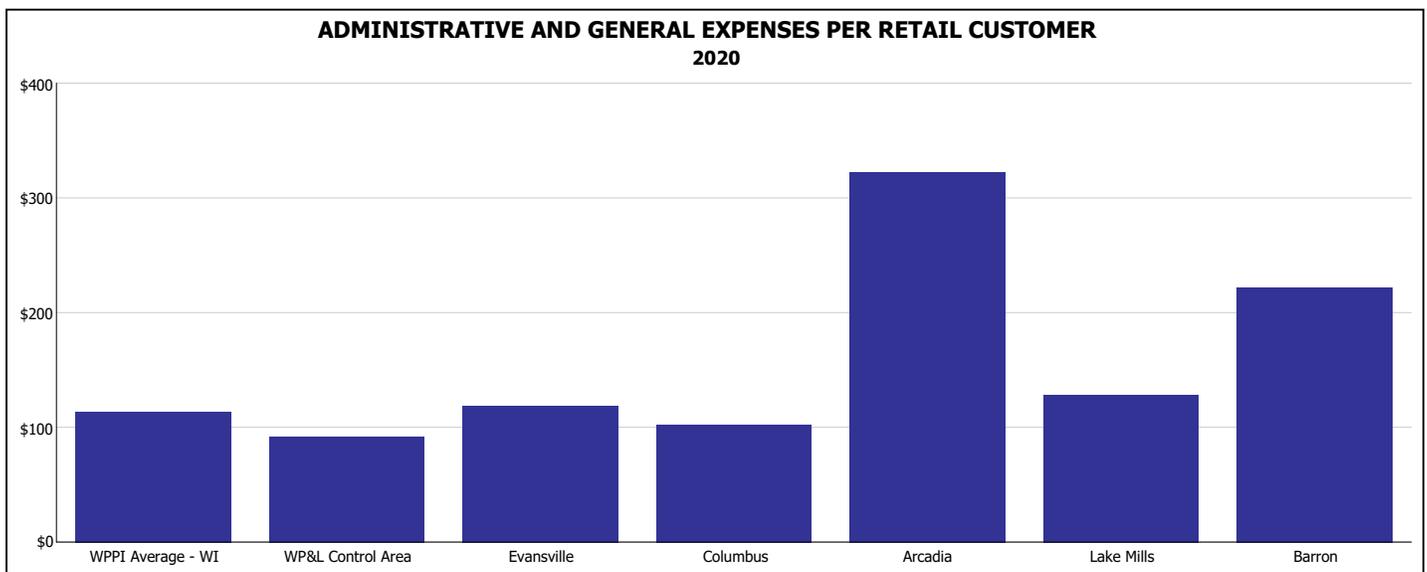
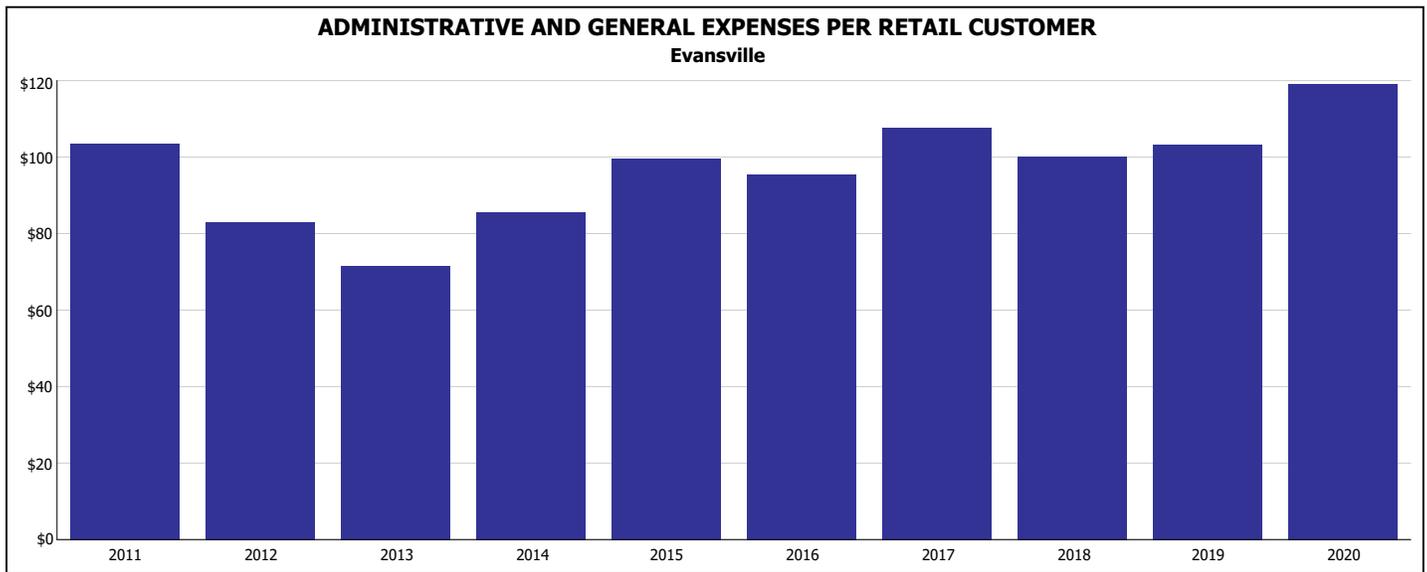
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

ADMINISTRATIVE AND GENERAL EXPENSES PER RETAIL CUSTOMER:

The ratio of total electric utility administrative and general expenses to the total number of retail customers. This ratio measures the average annual administrative and general expense incurred by the utility on behalf of each retail customer.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	\$107.89	\$91.08	\$103.78	\$124.23	\$257.50	\$131.17	\$180.84
2012	\$104.81	\$86.48	\$83.05	\$104.35	\$238.49	\$115.10	\$174.01
2013	\$107.80	\$88.93	\$71.67	\$92.09	\$263.54	\$135.40	\$184.97
2014	\$108.32	\$89.33	\$85.67	\$83.60	\$286.35	\$120.15	\$177.87
2015	\$110.85	\$90.62	\$99.63	\$89.70	\$285.41	\$123.26	\$196.60
2016	\$112.89	\$91.93	\$95.67	\$89.35	\$278.89	\$136.23	\$206.97
2017	\$113.87	\$94.84	\$107.88	\$105.24	\$286.44	\$115.21	\$197.76
2018	\$112.00	\$92.43	\$100.21	\$97.93	\$312.18	\$116.04	\$211.79
2019	\$116.25	\$74.68	\$103.33	\$114.37	\$314.88	\$117.58	\$160.21
2020	\$114.02	\$92.18	\$119.35	\$102.36	\$323.25	\$128.55	\$222.28



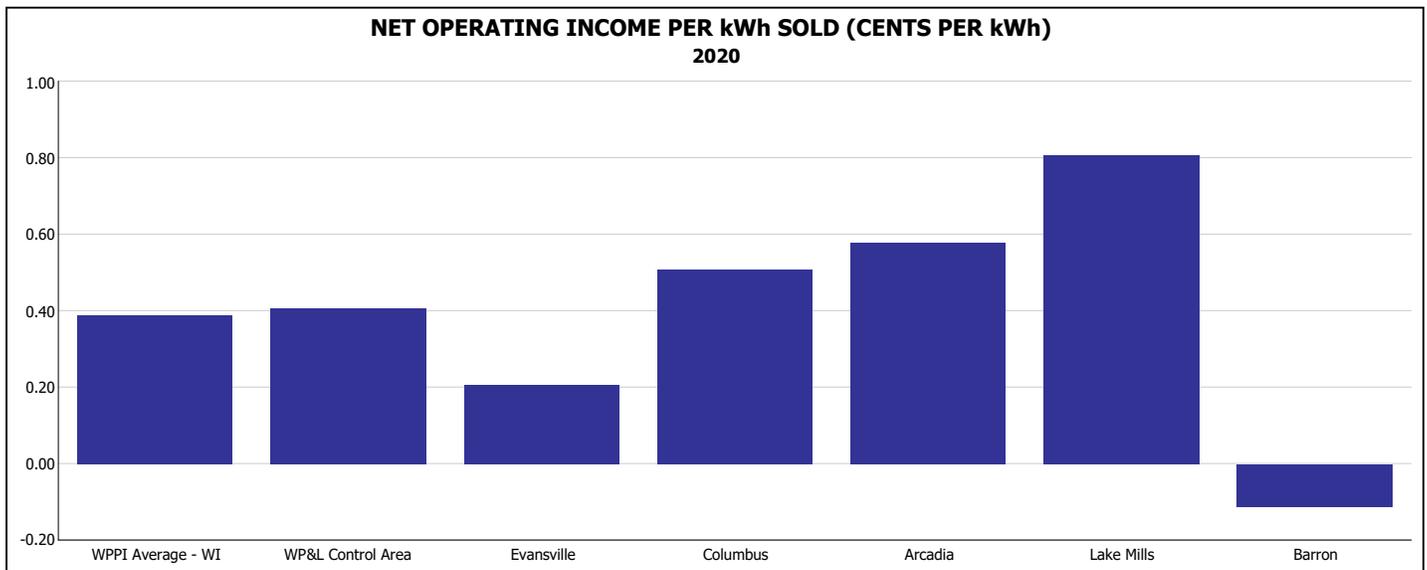
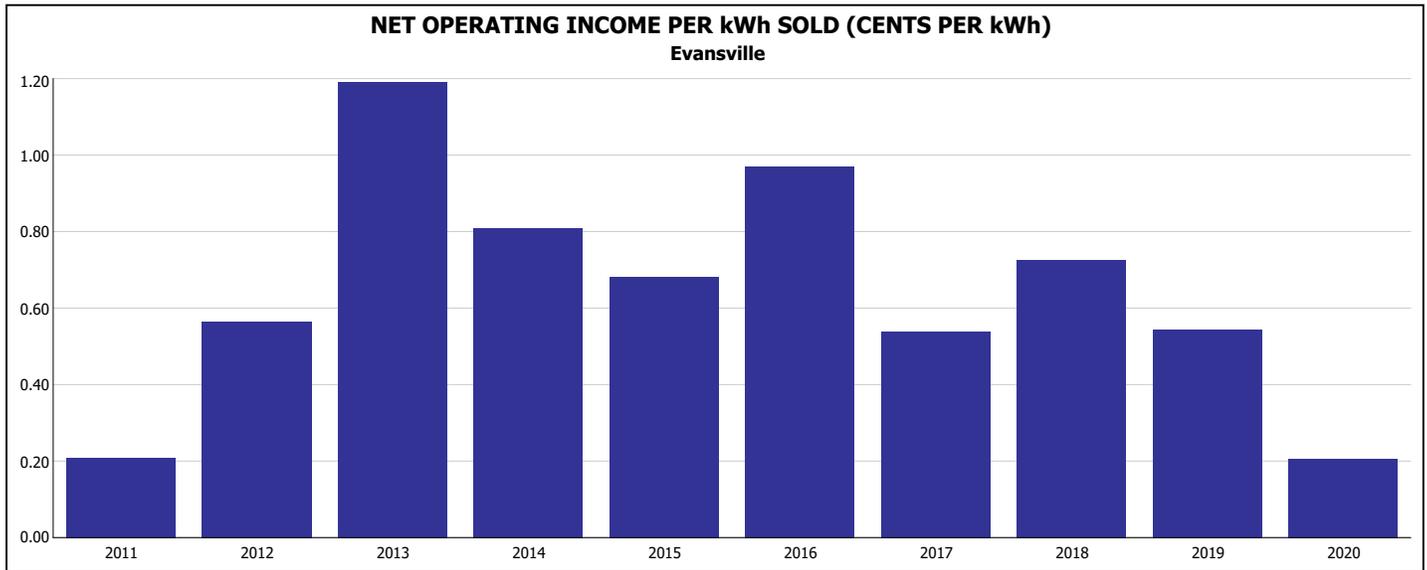
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

NET OPERATING INCOME PER kWh SOLD (CENTS PER kWh):

The ratio of net electric utility income to total energy sales to both ultimate and resale customers. This ratio measures the amount of income remaining, after accounting for operation and maintenance expenses, depreciation, taxes and tax equivalents, for every dollar received by the utility for each kWh of sales in cents per kWh.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	0.37	0.35	0.21	0.74	0.38	0.35	0.22
2012	0.37	0.36	0.56	0.56	0.57	0.27	-0.21
2013	0.41	0.37	1.19	0.54	0.20	-0.04	0.51
2014	0.40	0.34	0.81	0.49	0.19	0.09	0.13
2015	0.44	0.40	0.68	0.75	0.73	1.19	0.03
2016	0.43	0.44	0.97	0.49	0.46	1.49	0.12
2017	0.43	0.42	0.54	0.45	0.48	1.35	0.08
2018	0.43	0.44	0.73	0.57	0.70	0.86	0.07
2019	0.37	0.38	0.54	0.47	0.81	0.66	-0.07
2020	0.39	0.41	0.21	0.51	0.58	0.81	-0.11



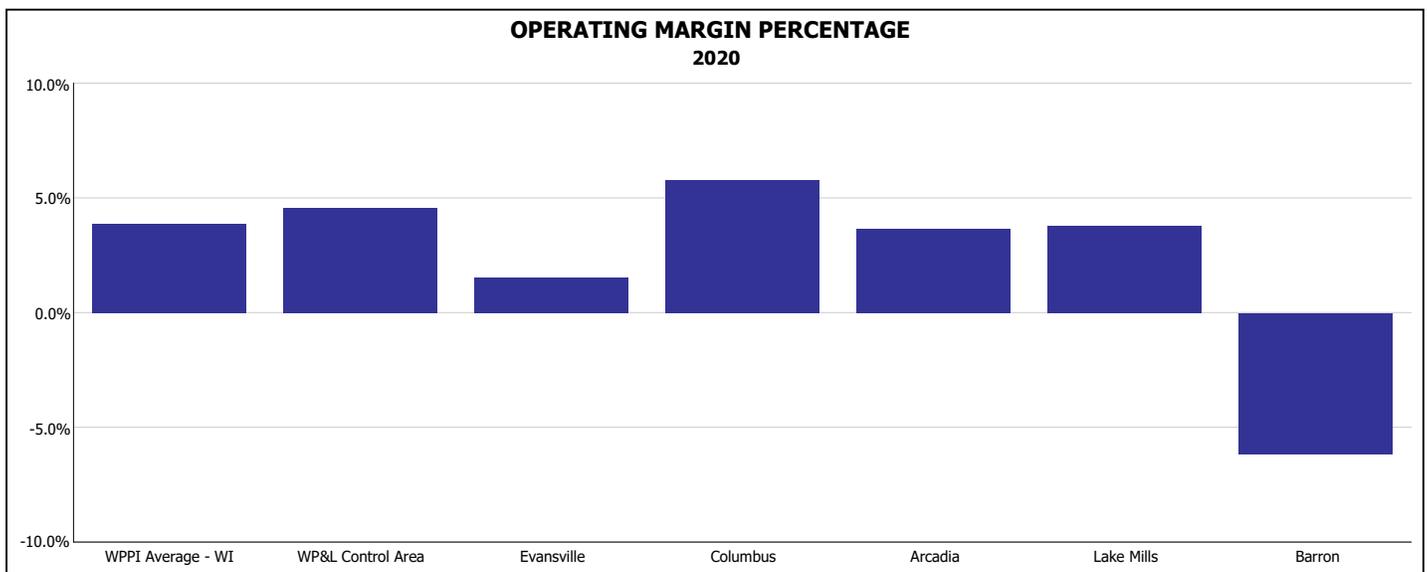
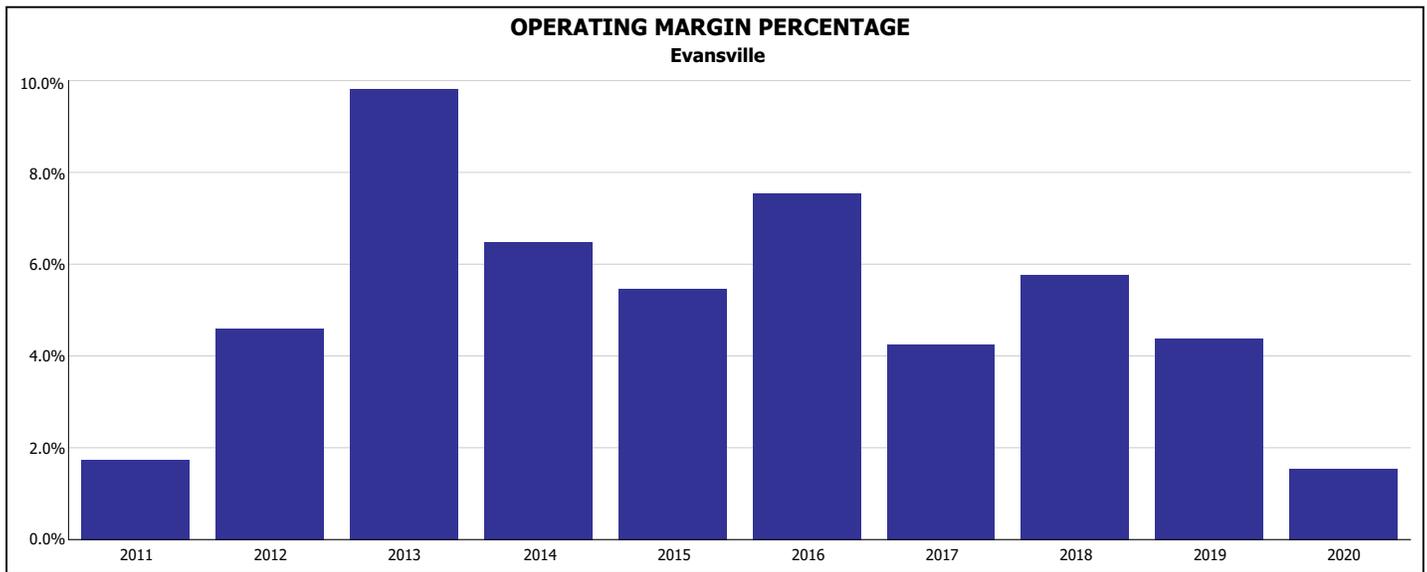
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Evansville Water & Light

OPERATING MARGIN PERCENTAGE:

The ratio of operating income divided by rate base. The margin component should provide for debt interest coverage and help provide for annual renewals and replacements.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	5.2%	4.7%	1.7%	8.4%	4.5%	3.2%	8.4%
2012	5.1%	4.7%	4.6%	6.5%	7.0%	2.3%	-8.6%
2013	5.5%	4.8%	9.8%	6.3%	2.4%	-0.3%	22.2%
2014	5.1%	4.4%	6.5%	6.1%	2.3%	0.7%	6.0%
2015	5.2%	5.1%	5.5%	9.3%	6.2%	8.4%	1.5%
2016	5.0%	5.2%	7.5%	3.2%	2.9%	8.4%	5.6%
2017	4.8%	5.1%	4.3%	5.3%	3.0%	6.6%	3.7%
2018	4.8%	5.4%	5.8%	6.7%	4.6%	4.3%	3.4%
2019	3.9%	4.5%	4.4%	5.6%	5.3%	3.1%	-3.9%
2020	3.9%	4.6%	1.6%	5.8%	3.7%	3.8%	-6.2%



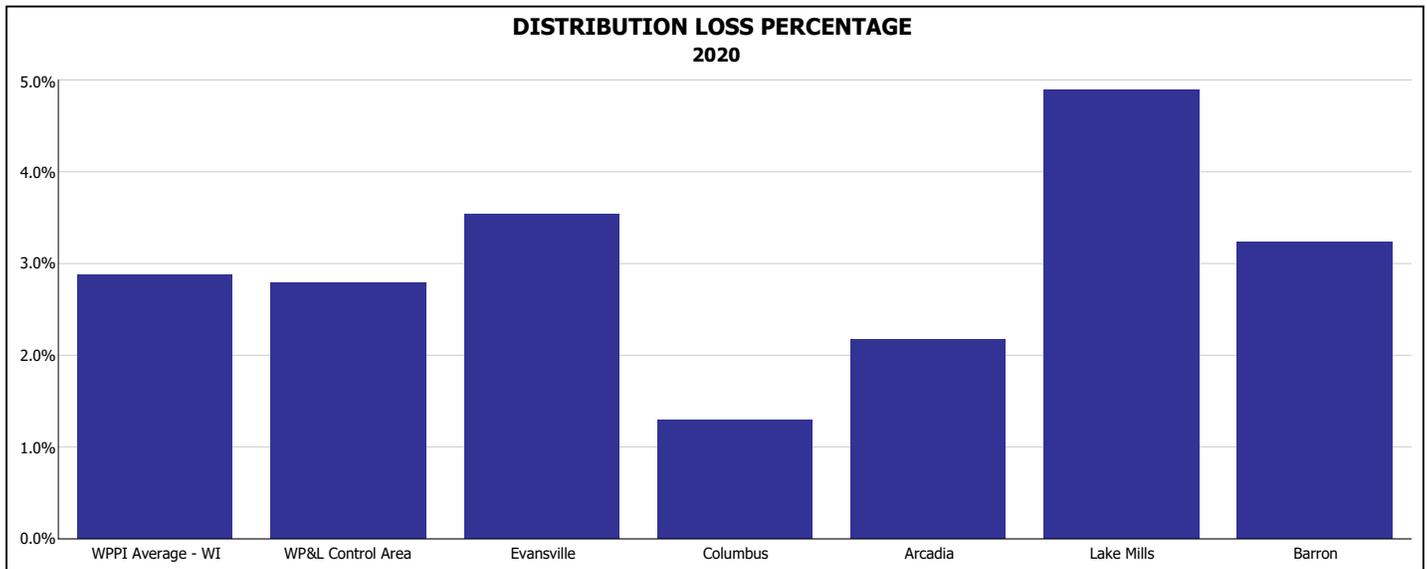
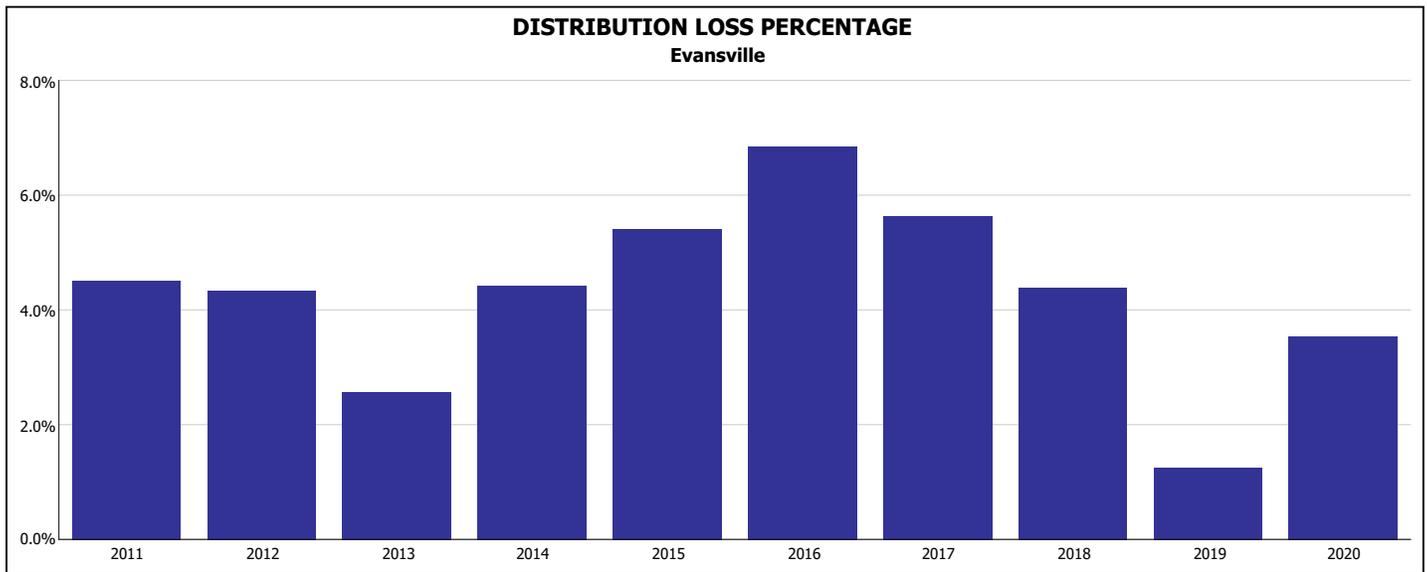
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Evansville Water & Light

DISTRIBUTION LOSS PERCENTAGE:

The ratio of total distribution energy losses to total sources of energy. This ratio measures how much energy is lost in the utility's electrical system, and is an indicator of the efficiency of the electrical system. It represents the percentage of electrical energy that is bought or generated by the utility, but is not available to be sold to customers (or for the utility's own use).

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	2.8%	2.9%	4.5%	3.1%	1.8%	4.4%	3.8%
2012	3.1%	3.2%	4.3%	3.0%	1.8%	5.0%	4.5%
2013	3.0%	3.0%	2.6%	4.2%	2.4%	5.4%	1.2%
2014	2.8%	3.0%	4.4%	3.6%	3.1%	5.6%	1.6%
2015	2.6%	2.7%	5.4%	3.9%	2.9%	4.4%	3.0%
2016	3.1%	3.4%	6.9%	3.6%	3.1%	4.3%	3.9%
2017	3.3%	3.0%	5.6%	3.6%	3.0%	4.1%	3.6%
2018	2.8%	2.9%	4.4%	2.7%	2.4%	4.3%	3.8%
2019	2.8%	2.5%	1.3%	1.1%	2.7%	5.2%	3.5%
2020	2.9%	2.8%	3.5%	1.3%	2.2%	4.9%	3.2%



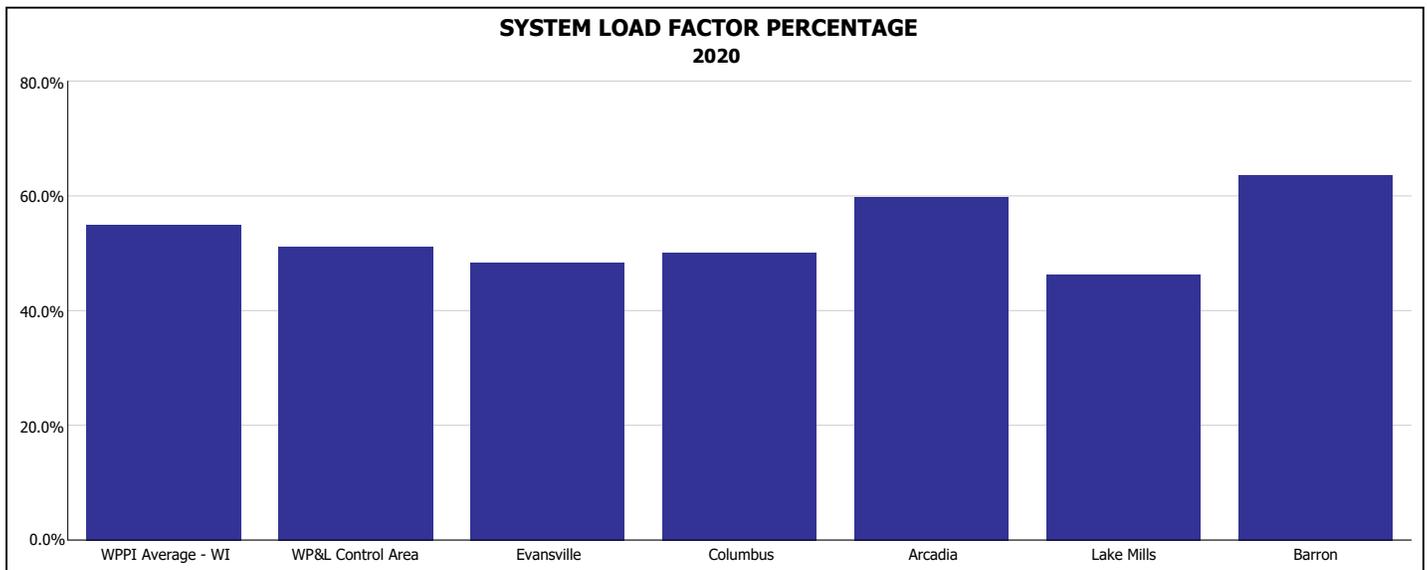
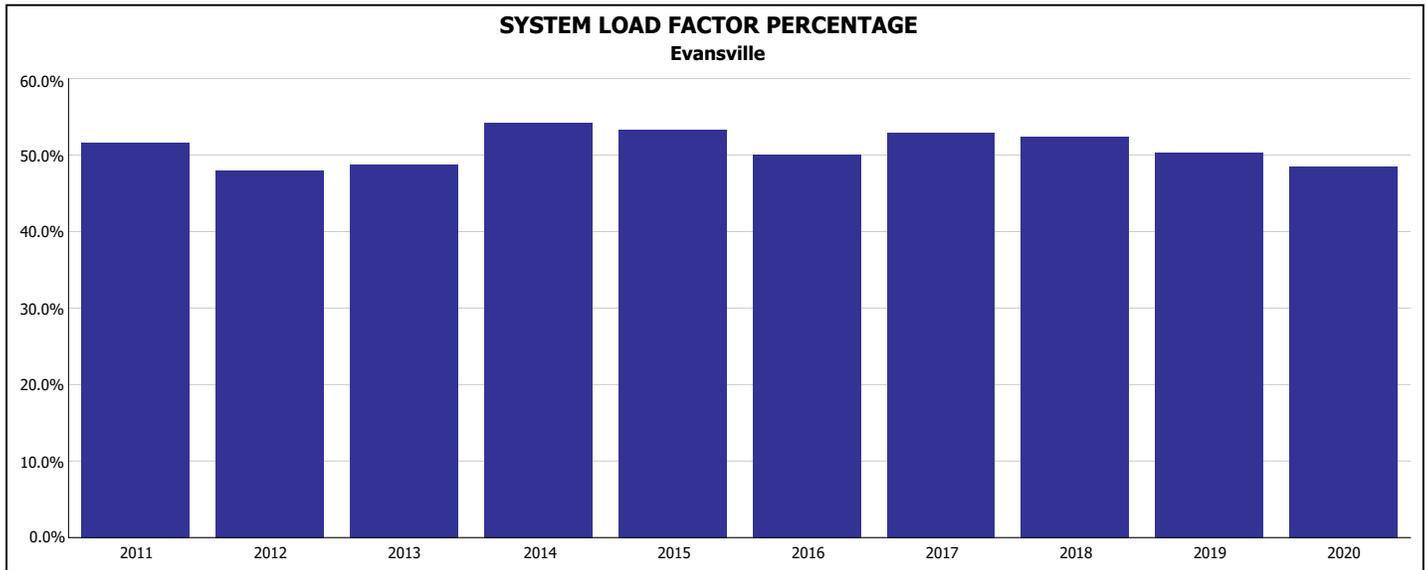
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Evansville Water & Light

SYSTEM LOAD FACTOR PERCENTAGE:

The ratio of the system average load (total sales plus losses (MWh) divided by 8,760 (hours)) to system peak demand (typically a summer or winter peak measured during a particular hour at all delivery points and generator busses on a totalized basis).

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	57.9%	52.3%	51.7%	54.1%	58.7%	48.0%	61.8%
2012	56.6%	51.6%	48.1%	51.4%	61.8%	45.0%	65.3%
2013	57.8%	57.8%	48.8%	54.5%	62.1%	47.1%	62.1%
2014	62.8%	56.9%	54.3%	58.9%	65.2%	53.6%	66.8%
2015	61.9%	57.1%	53.3%	58.7%	65.1%	53.2%	63.9%
2016	59.0%	54.7%	50.2%	59.3%	60.8%	50.9%	65.2%
2017	60.4%	56.1%	52.9%	60.3%	61.1%	50.1%	64.2%
2018	58.4%	46.6%	52.4%	58.1%	63.8%	49.8%	64.8%
2019	57.8%	56.1%	50.4%	58.0%	61.1%	47.7%	64.0%
2020	55.0%	51.2%	48.5%	50.3%	59.9%	46.4%	63.8%



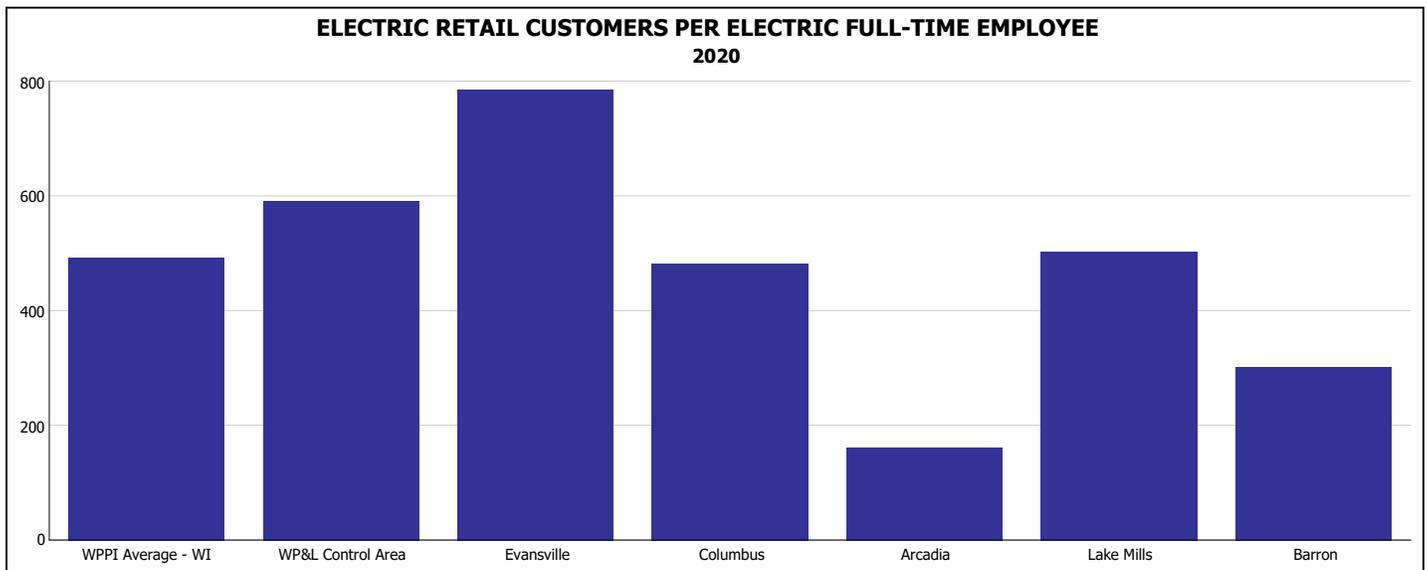
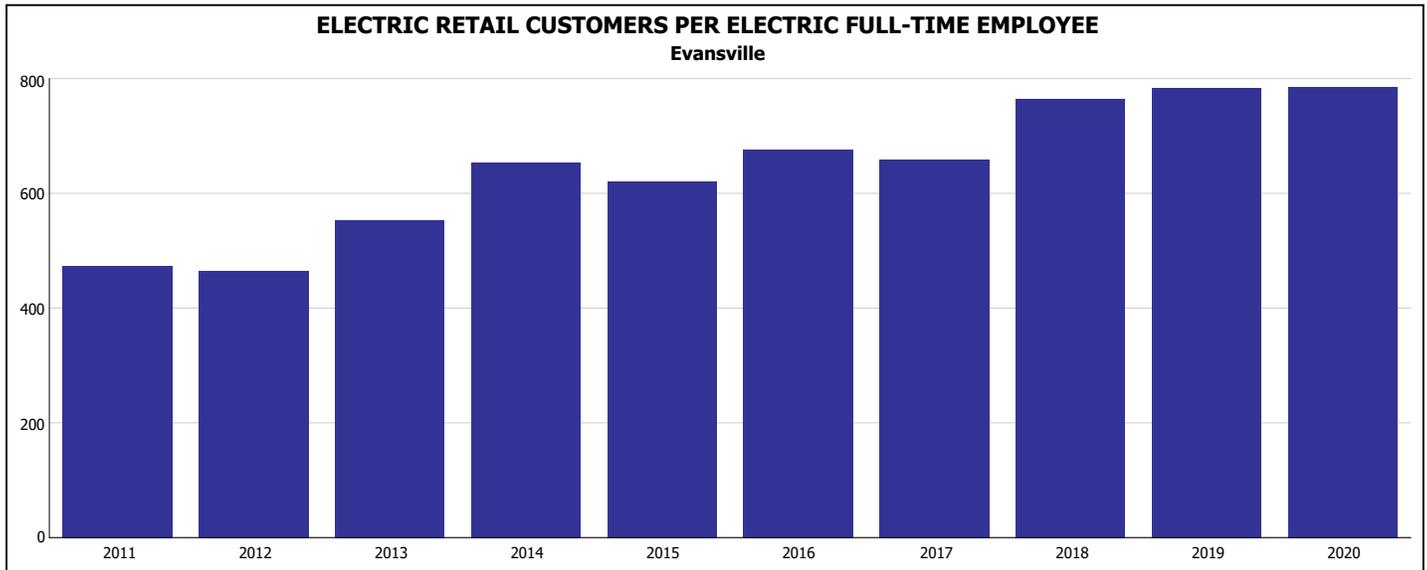
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

ELECTRIC RETAIL CUSTOMERS PER ELECTRIC FULL-TIME EMPLOYEE:

The ratio of the average number of retail customers from all rate classes to the total number of full-time electric employees. This ratio measures the average number of customers served by each full-time electric employee.

Year	WPPI Average - WI	WP&L Control Area	Evansville	Columbus	Arcadia	Lake Mills	Barron
2011	445	541	474	510	188	470	303
2012	453	538	466	457	166	471	313
2013	457	541	554	459	162	471	306
2014	461	545	655	460	168	466	306
2015	469	553	621	464	149	522	304
2016	465	548	678	469	146	496	304
2017	474	545	659	474	150	536	305
2018	490	610	766	480	167	530	306
2019	479	702	784	482	162	610	350
2020	493	592	787	483	163	503	303



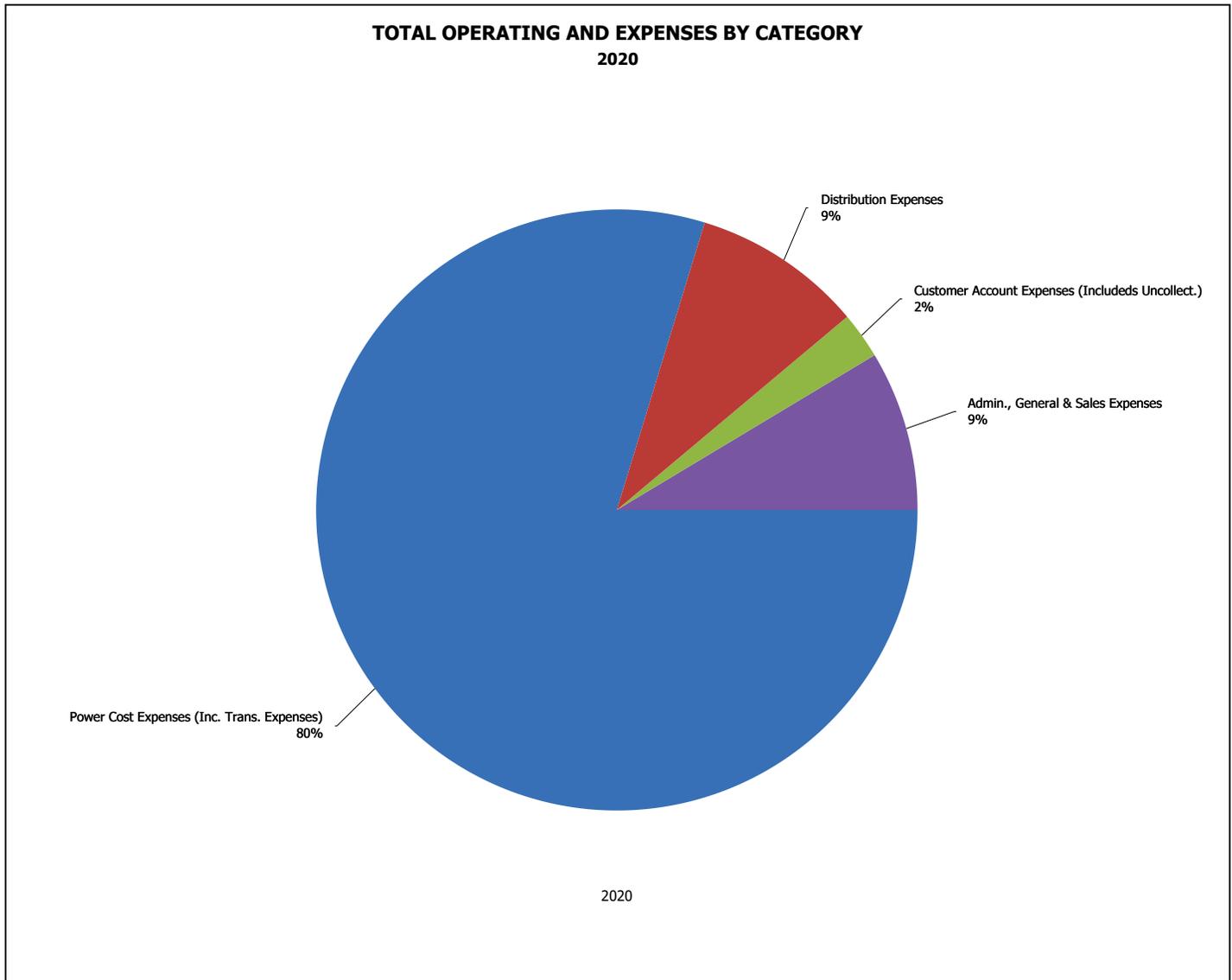
* The control area average is calculated based on WPPI members in that area.

Evansville Water & Light

TOTAL OPERATING EXPENSES BY CATEGORY:

The ratio of the total costs for each category to the total operation and maintenance expense. This ratio measures what portion of the total operation and maintenance expense is attributable to each category listed below.

Year	Power Cost Expenses (Inc. Trans. Expenses)	Distribution Expenses	Customer Account Expenses (Includes Uncollect.)	Admin., General & Sales Expenses
2011	86.3%	6.5%	1.4%	5.8%
2012	88.2%	5.5%	1.7%	4.6%
2013	89.0%	4.6%	1.4%	5.0%
2014	86.9%	6.6%	1.4%	5.0%
2015	84.8%	7.5%	2.1%	5.7%
2016	85.9%	5.7%	2.2%	6.2%
2017	84.9%	6.6%	1.9%	6.5%
2018	84.7%	7.1%	1.1%	7.2%
2019	83.0%	7.3%	2.0%	7.7%
2020	79.8%	9.2%	2.3%	8.7%

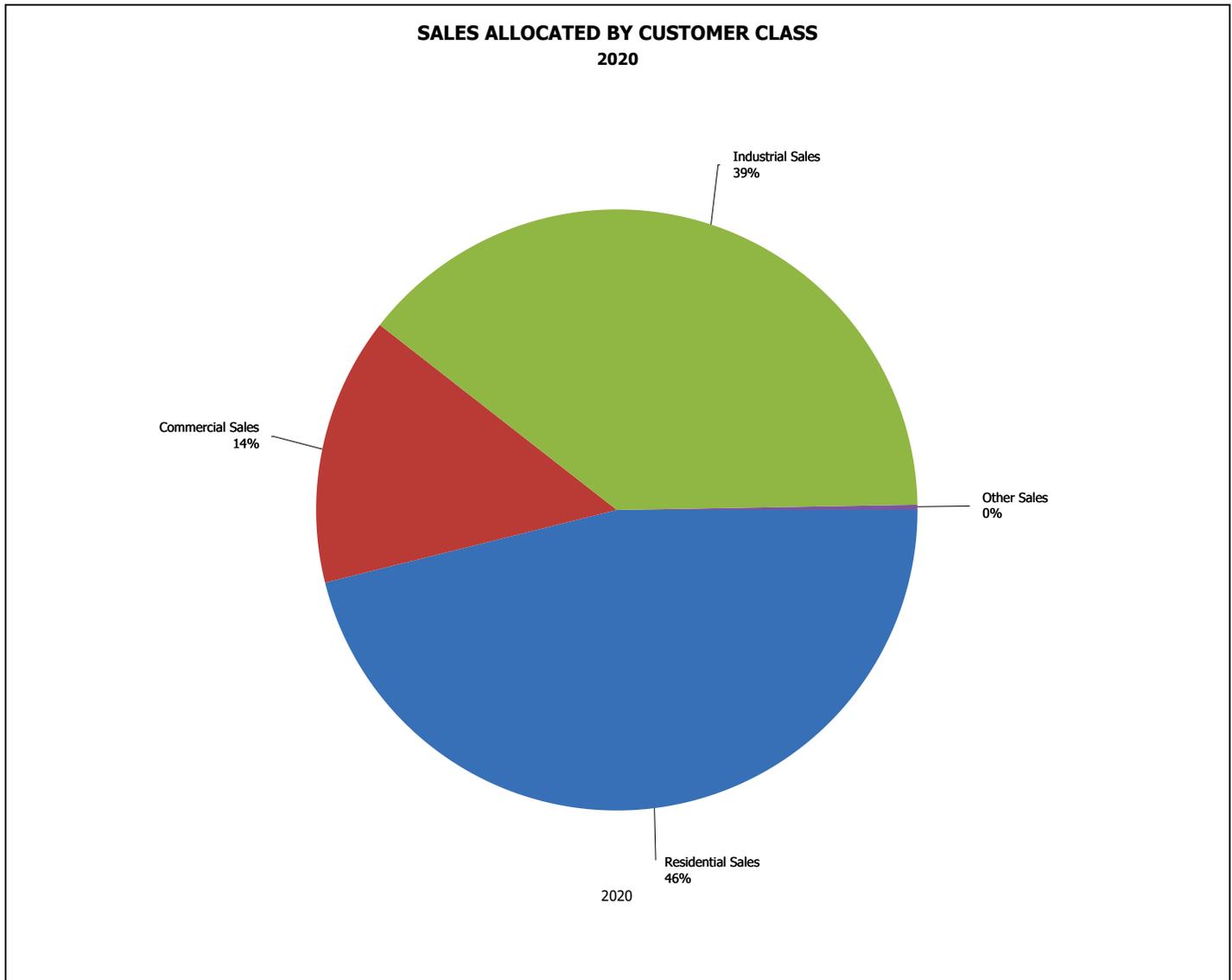


Evansville Water & Light

SALES ALLOCATED BY CUSTOMER CLASS:

The ratio of the total costs for each category to the total operation and maintenance expense. This ratio measures what portion of the total operation and maintenance expense is attributable to each category listed below.

Year	Residential Sales	Commercial Sales*	Industrial Sales	Other Sales*
2011	40.5%	14.0%	45.0%	0.6%
2012	42.0%	14.2%	43.2%	0.6%
2013	42.1%	14.7%	42.5%	0.7%
2014	41.9%	15.2%	42.3%	0.6%
2015	42.8%	17.5%	39.3%	0.4%
2016	45.2%	15.7%	38.7%	0.4%
2017	43.5%	13.0%	43.1%	0.4%
2018	44.2%	13.4%	42.1%	0.4%
2019	43.1%	15.2%	41.4%	0.3%
2020	46.0%	14.5%	39.2%	0.3%



* Commercial sales include interdepartmental sales. Other sales include street and highway lightning and sales to public authorities.



City of Evansville, WI TY21 Stormwater Rate Study

Municipal Services Committee 11/30/21 Meeting

Presentation Highlights

Why are we here?

What do we do?

Where are we going?

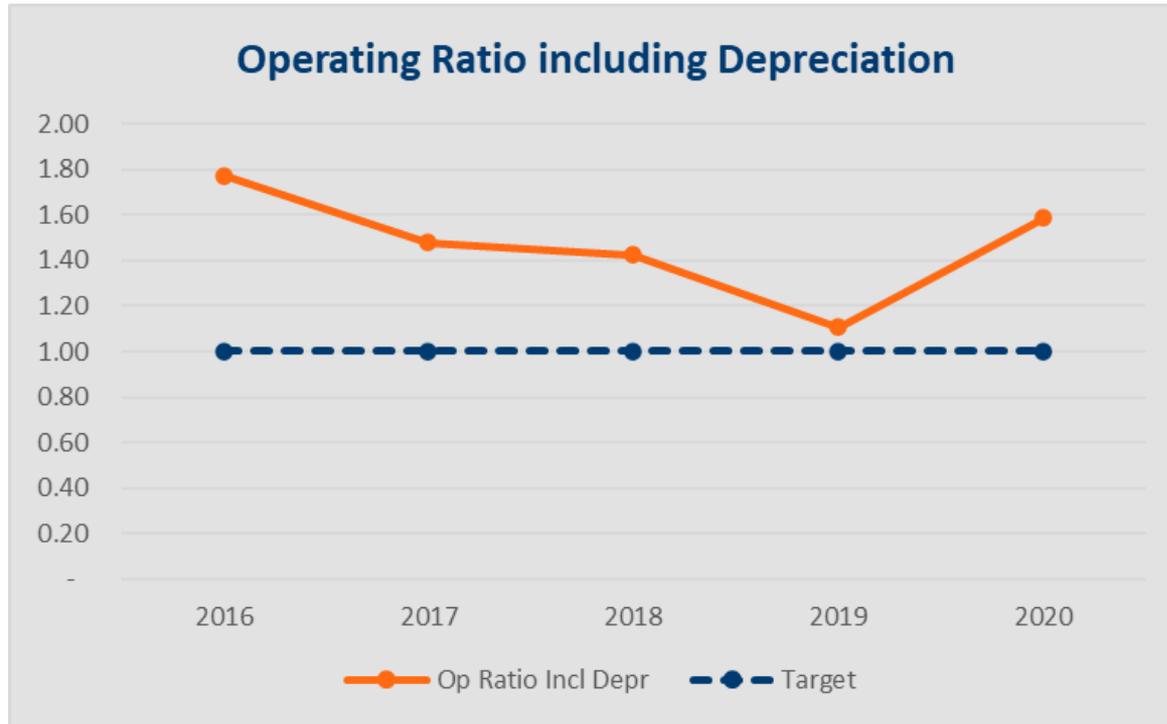
Why are we here?

- Stormwater Rates last investigated 2017
- Rate Performance
 - ✓ Are we covering our costs?
- Current Financial Position & System Needs
 - ✓ What can we do going into the future?

Rate Performance - Cash

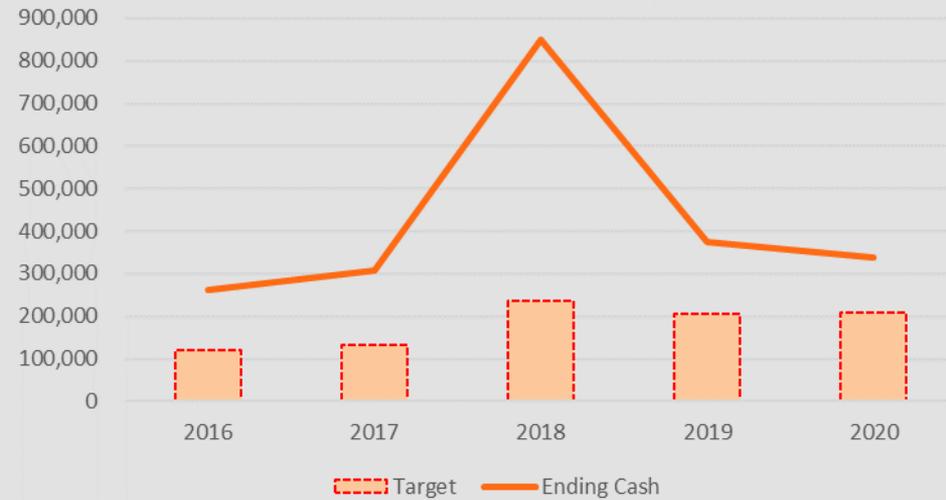
	2016	2017	Actual 2018	2019	2020
Revenues					
Total Revenues from User Rates	\$194,815	\$214,853	\$216,350	\$220,775	\$241,037
Percent Increase to User Rates		11%			
Total Other Revenues	\$1,365	\$3,343	\$14,526	\$14,517	\$2,819
Total Revenues	\$196,180	\$218,196	\$230,876	\$235,292	\$243,856
Expenses					
Operating and Maintenance	\$60,913	\$95,095	\$101,787	\$129,570	\$81,290
PILOT Payment	\$0	\$0	\$0	\$0	\$0
Net Before Debt Service and Capital Expenditures	\$135,267	\$123,101	\$129,089	\$105,722	\$162,566
Debt Service					
Existing Debt P&I ¹	\$46,468	\$46,208	\$56,516	\$135,075	\$129,214
New (2021-2030) Debt Service P&I					
Total Debt Service	\$46,468	\$46,208	\$56,516	\$135,075	\$129,214
Transfer In (Out)	\$0	\$0	\$0	\$54,549	\$5,215
Capital Improvements	\$166,936	\$32,362	\$186,029	\$498,613	\$77,127
Bond Proceeds	\$0	\$0	\$655,000	\$0	\$0
Reconcile to Audit	\$0	\$0	\$0	\$0	\$0
Net Annual Cash Flow	(\$78,137)	\$44,531	\$541,544	(\$473,417)	(\$38,560)
<u>Restricted and Unrestricted Cash Balance:</u>					
Balance at first of year	\$340,388	\$262,251	\$306,782	\$848,326	\$374,909
Net Annual Cash Flow Addition/(Subtraction)	(\$78,137)	\$44,531	\$541,544	(\$473,417)	(\$38,560)
Balance at end of year	\$262,251	\$306,782	\$848,326	\$374,909	\$336,349

Rate Performance - Utility (Depreciation)

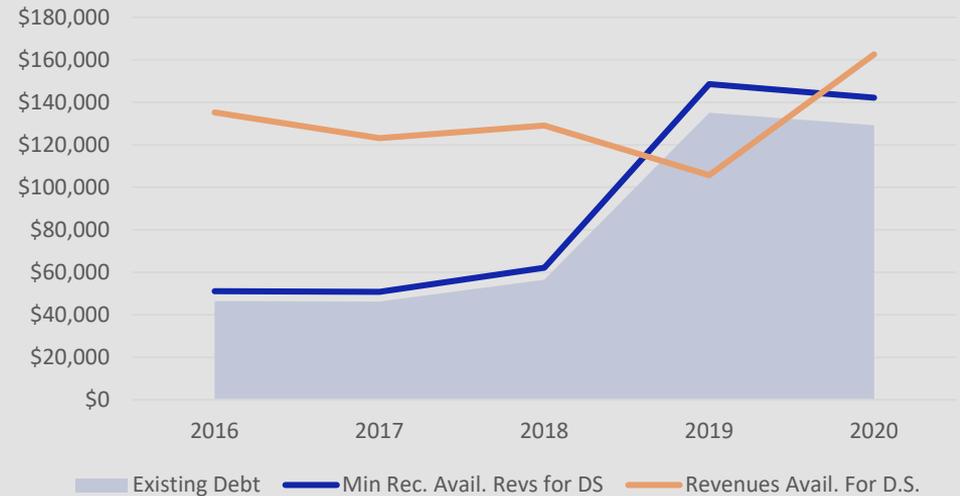


Current Financial Position

Reserves - Actual vs. Target



"All-in" Debt Coverage



System Needs

Projects	Funding	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Totals
Creek Walls - 2nd "Duck Pond"	Cash	220,000										220,000
Municipal Services Campus	G.O. Debt	125,000										125,000
Liberty St-5th St to Madison	G.O. Debt		658,150									658,150
Dam Repair	G.O. Debt	300,000										300,000
1st & 2nd (S. of Liberty)	G.O. Debt	512,000										512,000
Church Street (College to Enterprise)	G.O. Debt							708,367				708,367
Longfield	G.O. Debt							231,891				231,891
Almeron	G.O. Debt				215,625							215,625
Cherry	G.O. Debt					227,334						227,334
Walker Street	G.O. Debt				247,422							247,422
Enterprise Street	G.O. Debt					155,634						155,634
STWT Mowers and Attachments	Cash			17,000					19,000			36,000
Actual CIP Costs		1,157,000	658,150	17,000	463,047	382,968	0	940,258	19,000	0	0	3,637,423
Sources of Funding												
G.O. Debt		937,000	658,150	0	463,047	382,968	0	940,258	0	0	0	3,381,423
Revenue Debt		0	0	0	0	0	0	0	0	0	0	0
Grants/Aids		0	0	0	0	0	0	0	0	0	0	0
Special Assessment		0	0	0	0	0	0	0	0	0	0	0
User Fees		0	0	0	0	0	0	0	0	0	0	0
Tax Levy		0	0	0	0	0	0	0	0	0	0	0
Equipment Replacement Fund		0	0	0	0	0	0	0	0	0	0	0
Cash		220,000	0	17,000	0	0	0	0	19,000	0	0	256,000
Total		1,157,000	658,150	17,000	463,047	382,968	0	940,258	19,000	0	0	3,637,423

Use a mix of debt (3.38M) and cash (0.26) to finance future capital.

Stormwater Fund Roadmap

	Actual	Budget	Projected								
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Revenues											
Total Revenues from User Rates	\$241,037	\$242,030	\$290,436	\$319,480	\$351,428	\$386,570	\$425,227	\$467,750	\$467,750	\$467,750	\$467,750
Percent Increase to User Rates		0.00%	20.00%	10.00%	10.00%	10.00%	10.00%	10.00%	0.00%	0.00%	0.00%
Cumulative Percent Rate Increase		0.00%	20.00%	32.00%	45.20%	59.72%	75.69%	93.26%	93.26%	93.26%	93.26%
Dollar Amount Increase to Revenues		\$993	\$48,406	\$29,044	\$31,948	\$35,143	\$38,657	\$42,523	\$0	\$0	\$0
Other Revenues											
Interest Income	\$1,941	\$7,000	\$5,000	\$5,025	\$5,050	\$5,075	\$5,101	\$5,126	\$5,152	\$5,178	\$5,204
Other Income	\$878	\$1,000	\$1,010	\$1,020	\$1,030	\$1,041	\$1,051	\$1,062	\$1,072	\$1,083	\$1,094
Total Other Revenues	\$2,819	\$8,000	\$6,010	\$6,045	\$6,080	\$6,116	\$6,152	\$6,188	\$6,224	\$6,261	\$6,297
Total Revenues	\$243,856	\$250,030	\$296,446	\$325,525	\$357,508	\$392,686	\$431,379	\$473,938	\$473,974	\$474,011	\$474,047
Expenses											
Operating and Maintenance	\$81,290	\$87,515	\$91,891	\$96,485	\$101,310	\$106,375	\$111,694	\$117,279	\$123,142	\$129,300	\$135,765
Net Before Debt Service and Capital Expenditures	\$162,566	\$162,515	\$204,555	\$229,039	\$256,198	\$286,311	\$319,685	\$356,659	\$350,832	\$344,711	\$338,283
Debt Service											
Existing Debt P&I ¹	\$129,214	\$126,126	\$202,121	\$162,060	\$158,649	\$135,541	\$132,533	\$124,617	\$121,644	\$64,301	\$63,656
New (2021-2030) Debt Service P&I		\$0	\$0	\$71,354	\$70,188	\$125,163	\$122,838	\$130,475	\$181,729	\$223,375	\$223,713
Total Debt Service	\$129,214	\$126,126	\$202,121	\$233,414	\$228,837	\$260,703	\$255,370	\$255,092	\$303,373	\$287,676	\$287,369
Transfer In (Out)	\$5,215	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Improvements & COI	\$77,127	\$1,200,128	\$677,895	\$17,000	\$488,427	\$382,968	\$0	\$968,466	\$19,000	\$0	\$0
Bond Proceeds	\$0	\$945,000	\$680,000	\$0	\$875,000	\$0	\$0	\$970,000	\$0	\$0	\$0
Net Annual Cash Flow	(\$38,560)	(\$213,739)	\$4,540	(\$21,375)	\$413,934	(\$357,360)	\$64,315	\$103,101	\$28,458	\$57,035	\$50,914
Restricted and Unrestricted Cash Balance:											
Balance at first of year	\$374,909	\$336,349	\$122,610	\$127,150	\$105,775	\$519,710	\$162,350	\$226,665	\$329,766	\$358,224	\$415,259
Net Annual Cash Flow Addition/(Subtraction)	(\$38,560)	(\$213,739)	\$4,540	(\$21,375)	\$413,934	(\$357,360)	\$64,315	\$103,101	\$28,458	\$57,035	\$50,914
Balance at end of year	\$336,349	\$122,610	\$127,150	\$105,775	\$519,710	\$162,350	\$226,665	\$329,766	\$358,224	\$415,259	\$466,173
"All-in" Coverage	1.26	1.29	1.01	0.98	1.12	1.10	1.25	1.40	1.16	1.20	1.18

Stormwater Fund Recommendations

- Use debt to finance larger projects
 - ✓ Assess ability to downsize debt with cash at time of issuance
 - Market conditions, future projects, system regulations
- Absent large system changes to plan: implement frequent “phased-in” rate adjustments to combat O&M inflation and interest rates

PRESENTER:



Brian Roemer

Municipal Advisor

262-796-6178

broemer@ehlers-inc.com



September 23, 2021

2021 STORMWATER UTILITY RATE STUDY:

City of Evansville, WI



Prepared by:

Ehlers
N21W23350 Ridgeview Parkway
West, Suite 100
Waukesha, WI 53188

Advisors:

Brian Roemer
Municipal Advisor
Lisa Trebatoski
Financial Specialist

BUILDING COMMUNITIES. IT'S WHAT WE DO.



2021 Stormwater Utility Rate Study

Section 1 — Historical Rate Performance

City of Evansville, WI

Table 1

Stormwater Utility Cash Flow Analysis - Historical 2016-2020

City of Evansville, WI

	2016	2017	Actual 2018	2019	2020
Revenues					
Total Revenues from User Rates	\$194,815	\$214,853	\$216,350	\$220,775	\$241,037
Percent Increase to User Rates		11%			
Total Other Revenues	\$1,365	\$3,343	\$14,526	\$14,517	\$2,819
Total Revenues	\$196,180	\$218,196	\$230,876	\$235,292	\$243,856
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Operating and Maintenance	\$60,913	\$95,095	\$101,787	\$129,570	\$81,290
PILOT Payment	\$0	\$0	\$0	\$0	\$0
Net Before Debt Service and Capital Expenditures	\$135,267	\$123,101	\$129,089	\$105,722	\$162,566
Debt Service					
Existing Debt P&I ¹	\$46,468	\$46,208	\$56,516	\$135,075	\$129,214
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Total Debt Service	\$46,468	\$46,208	\$56,516	\$135,075	\$129,214
Transfer In (Out)	\$0	\$0	\$0	\$54,549	\$5,215
Capital Improvements	\$166,936	\$32,362	\$186,029	\$498,613	\$77,127
Bond Proceeds	\$0	\$0	\$655,000	\$0	\$0
Reconcile to Audit	\$0	\$0	\$0	\$0	\$0
Net Annual Cash Flow	(\$78,137)	\$44,531	\$541,544	(\$473,417)	(\$38,560)
Restricted and Unrestricted Cash Balance:					
Balance at first of year	\$340,388	\$262,251	\$306,782	\$848,326	\$374,909
Net Annual Cash Flow Addition/(Subtraction)	(\$78,137)	\$44,531	\$541,544	(\$473,417)	(\$38,560)
Balance at end of year	\$262,251	\$306,782	\$848,326	\$374,909	\$336,349

Notes:

Table 2

Stormwater Utility Financial Benchmarking Analysis

City of Evansville, WI

	Actual				Estimated	Budget
	2016	2017	2018	2019	2020	2021
Target minimum cash balance						
Target minimum working capital - Ehlers ¹	119,150	132,804	235,439	205,438	207,383	303,176
Actual Days Cash Available - PSC ²	6,627	2,290	3,631	1,368	2,132	557
Actual Days Cash Available - Moody's ³	1,567	1,173	3,039	1,054	1,507	422
Target minimum working capital - S&P ⁴	1,567	1,173	3,039	1,054	1,507	422
Actual working capital-cash balance						
Over (Under) Ehlers target	143,101	173,978	612,887	169,471	128,966	(201,192)
Over (Under) PSC target (90 days)	6,537	2,200	3,541	1,278	2,042	467
Over (Under) Moody's target (150 days)	1,417	1,023	2,889	904	1,357	272
Over (Under) S&P target (150 days)	1,417	1,023	2,889	904	1,357	272

Notes:

- 1) Target capital equals 6 mos of next year's operating expenses, including depreciation, plus 100% of debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt ÷ 365 to get expense per day. Then Unrestricted Cash ÷ expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

Cost Recovery						
Operating Revenues	196,180	215,859	217,421	221,870	241,915	243,030
Operating Expenses incl. Depr & Amortization	110,597	145,884	152,576	200,728	152,448	162,515
Cost Recovery incl. Depr.	1.77	1.48	1.43	1.11	1.59	1.50
Cost Recovery w/o Depr.	3.22	2.27	2.14	1.71	2.98	2.78

Notes:

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year. A ratio of less than 1 could be a sign of financial concern. In general, this ratio should be higher than 1 to accommodate future capital investments.

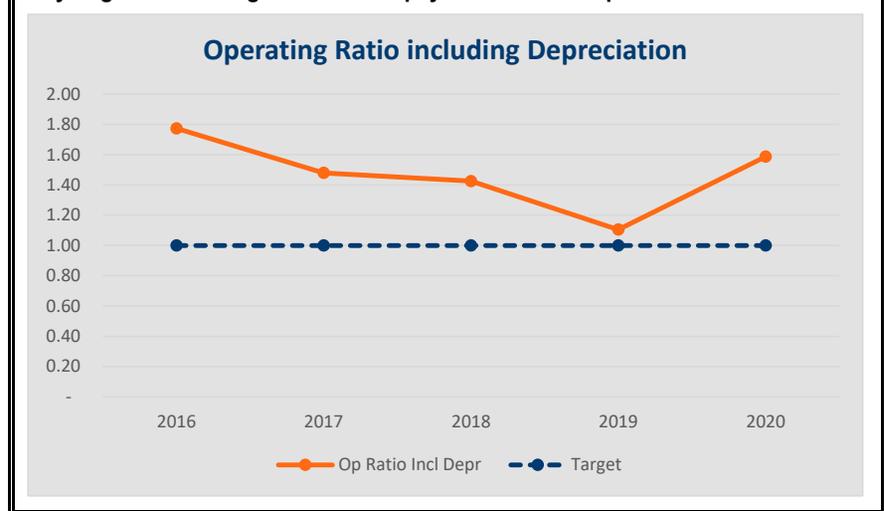
Table 3 Stormwater Utility Financial Health Charts

City of Evansville, WI

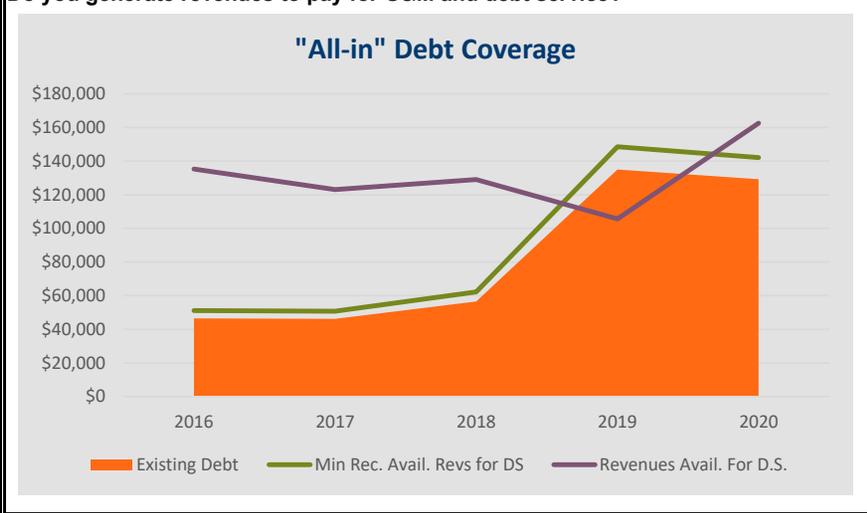
Can you pay for 6 mos. of O&M and next year's debt?



Did you generate enough revenues to pay for O&M and capital?



Do you generate revenues to pay for O&M and debt service?



Did you generate revenues needed to pay for O&M?

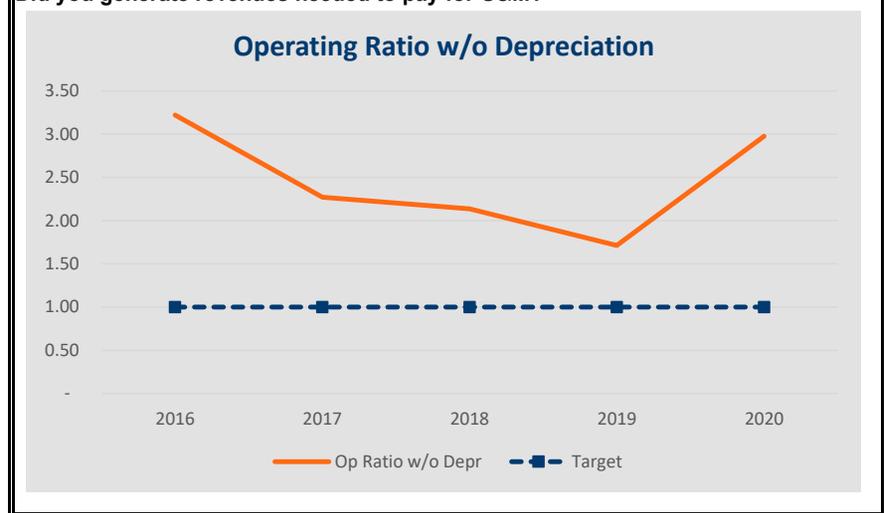


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Stormwater Utility Financial Benchmarking Analysis

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Over (Under) PSC target (90 days)	6,537	2,200	3,541	1,278	2,042	467
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Cost Recovery w/o Depr.	3.22	2.27	2.14	1.71	2.98	2.78

Notes:

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year. A ratio of less than 1 could be a sign of financial concern. In general, this ratio should be higher than 1 to accommodate future capital investments.

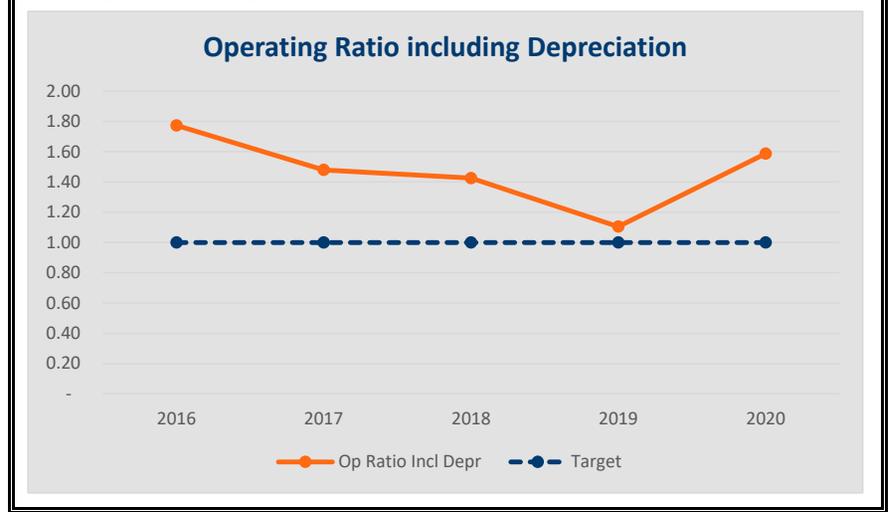
Table 3 Stormwater Utility Financial Health Charts

City of Evansville, WI

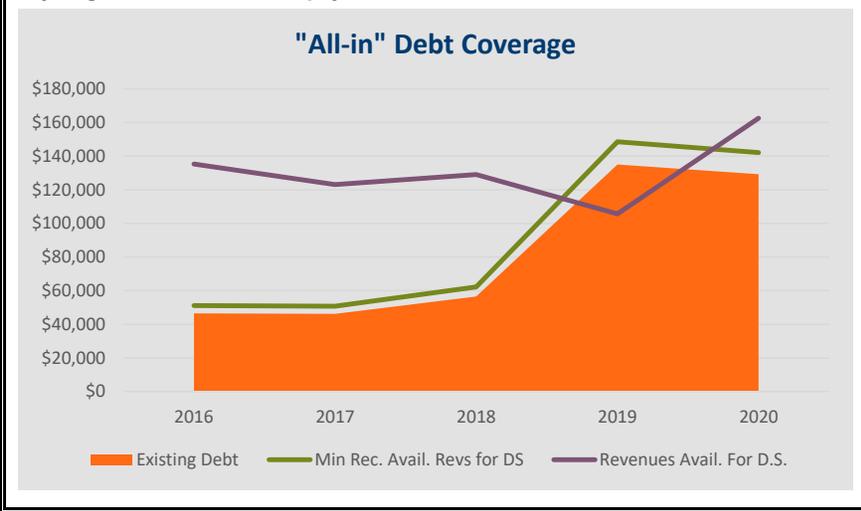
Can you pay for 6 mos. of O&M and next year's debt?



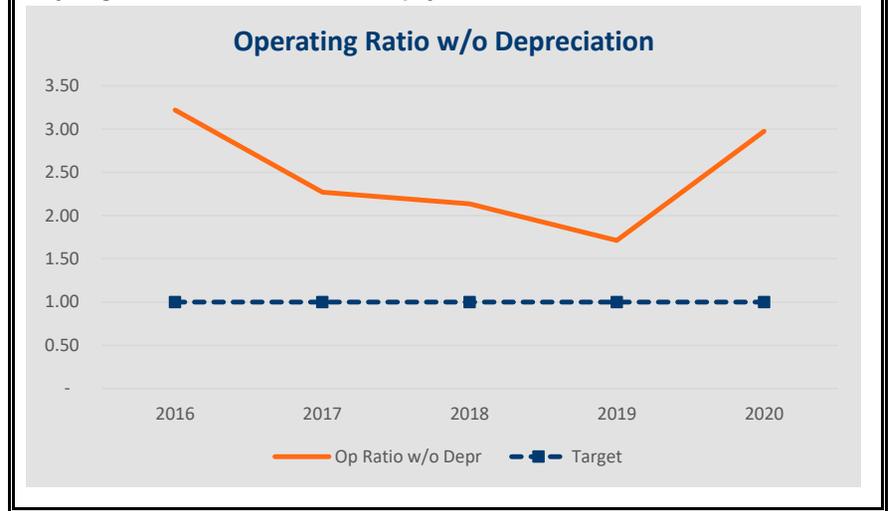
Did you generate enough revenues to pay for O&M and capital?



Do you generate revenues to pay for O&M and debt service?



Did you generate revenues needed to pay for O&M?





2021 Stormwater Utility Rate Study

Section 2 — Stormwater Utility Rate Study

City of Evansville, WI

Table 4 Historical and Future ERU Projections

City of Evansville, WI

	2018	2019	2020	2021
Residential ERUs	2,046	2,073	2,109	2,117
Non-Residential ERUs	2,246	2,253	2,256	2,250
Total Billable ERUs	4,292	4,326	4,365	4,367
Total Billable O&M ERUs	4,292	4,326	4,365	4,367
<i>Year to Year Growth Rates</i>				
Residential ERUs		1.32%	1.74%	0.38%
Non-Residential ERUs		0.32%	0.12%	-0.28%

Table 5 2021 Stormwater Utility O&M Budget

City of Evansville, WI

		2021 Budget
Operation and Maintenance		
	<u>Administration Expense</u>	
	Personnel Services	\$47,956
	Fringe Benefits	\$19,449
	Contractual Services	\$4,000
	Insurance	\$3,160
	Professional Development	\$1,000
	<u>Maintenance Expense</u>	
	Personnel Services	\$6,750
	Materials & Supplies	\$2,200
	<u>Street Cleaning Expense</u>	
	Contractual Services	\$3,000
	Total of Operating & Maintenance	\$87,515
Debt Service and Capital Outlay		
	Debt Service	\$126,126
	Unrestricted Reserve Fund	\$0
	Capital Outlay	\$65,552
	Total Debt Service & Capital Outlay	\$191,678
	Total Utility Revenue Requirements	\$279,193

Table 6

Calculation of Stormwater User Rates

City of Evansville, WI

Total Storm Water Utility Revenue Requirements	\$279,193
Total Projected ERUs	4,367
Total Annual Rate per ERU	\$63.94
Total Monthly Rate per ERU	\$5.33

Table 7 Revenue Check

City of Evansville, WI

	Total ERUs	Annual Rate Per ERU	Total Revenue
Residential	2,117	\$63.94	\$135,352.51
Non-Residential	2,250	\$63.94	\$143,840.66
Total	4,367		\$279,193.17
Total Calculated Revenues			\$279,193.17
Revenue Requirement			\$279,193.17
Difference			\$0.00

Table 8

Comparison of Existing and Proposed Stormwater Rates

City of Evansville, WI

	Existing Rate	Proposed Rate	Dollar Change	Percentage Change
Total Annual Rate per ERU	\$53.28	\$63.94	\$10.66	20%
Total Monthly Rate per ERU	\$4.44	\$5.33	\$0.89	20%

Table 9

Existing and Proposed User Rates Comparison

Stormwater For Example Customers

City of Evansville, WI

Customer	No. ERUs	Current Monthly SW Charge ⁽¹⁾	Proposed Monthly SW Charge	Dollar Change	Percent Change
Residential	1	\$4.44	\$5.33	\$0.89	20%
Commercial	2	\$9	\$10.66	\$1.78	20%
Commercial	7	\$31	\$37.30	\$6.22	20%
Commercial	10	\$44	\$53.28	\$8.88	20%
Industrial	50	\$222	\$266.40	\$44.40	20%
Industrial	70	\$311	\$372.96	\$62.16	20%
Industrial	100	\$444	\$532.80	\$88.80	20%

Notes:

(1) Charged \$8.50/ERU starting 7/2016

Table 10 Test Year Cash Flow

City of Sun Prairie

	Test Year
Cash Sources	
Revenues from User Rates ⁽¹⁾	\$279,193
Investment Income	\$7,000
Other Income	\$1,000
Total Cash Sources	\$287,193
Cash Uses	
O&M	\$87,515
Net Before Debt Service	\$199,678
Total Debt Service	\$126,126
Capital Outlay (non reserve)	\$65,552
Net Cash Flow	\$8,000
Unrestricted Cash Balances	
12/31/2020 Balance ⁽²⁾	\$335,614
Net Additions	\$8,000
End of Year Balance	\$343,614

Notes:

(1) Assumes full year at recommended rates.

(2) Estimated beginning of the year balance based upon 12/31/15 balance from CAFR plus estimated 2016 cash flow.



2021 Stormwater Utility Rate Study

Section 3 — Long-Range Cash Flow Analysis

City of Evansville, WI

Table 11 Stormwater Utility - Capital Improvement Plan

City of Evansville, WI

Projects	Funding	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Totals
Creek Walls - 2nd "Duck Pond"	Cash	220,000										220,000
Municipal Services Campus	G.O. Debt	125,000										125,000
Liberty St-5th St to Madison	G.O. Debt		658,150									658,150
Dam Repair	G.O. Debt	300,000										300,000
1st & 2nd (S. of Liberty)	G.O. Debt	512,000										512,000
Church Street (College to Enterprise)	G.O. Debt							708,367				708,367
Longfield	G.O. Debt							231,891				231,891
Almeron	G.O. Debt				215,625							215,625
Cherry	G.O. Debt					227,334						227,334
Walker Street	G.O. Debt				247,422							247,422
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STWT Mowers and Attachments	Cash			17,000					19,000			36,000
Actual CIP Costs		0	1,157,000	658,150	17,000	463,047	382,968	0	940,258	19,000	0	3,637,423

Sources of Funding		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Totals
G.O. Debt		937,000	658,150	0	463,047	382,968	0	940,258	0	0	0	3,381,423
Revenue Debt		0	0	0	0	0	0	0	0	0	0	0
Grants/Aids		0	0	0	0	0	0	0	0	0	0	0
Special Assessment		0	0	0	0	0	0	0	0	0	0	0
User Fees		0	0	0	0	0	0	0	0	0	0	0
Tax Levy		0	0	0	0	0	0	0	0	0	0	0
Equipment Replacement Fund		0	0	0	0	0	0	0	0	0	0	0
Cash		220,000	0	17,000	0	0	0	0	19,000	0	0	256,000
Total		1,157,000	658,150	17,000	463,047	382,968	0	940,258	19,000	0	0	3,637,423

Notes:

Table 12 Capital Improvements Financing Plan

City of Evansville, WI

	2022		2024		2027	
	G.O. Notes	Storm Portion	G.O. Bonds	Storm Portion	G.O. Bonds	Storm Portion
	2022 Storm Projects		2024 Storm Projects		2027 Storm Projects	
CIP Projects ¹	658,150	658,150	846,015	846,015	940,258	940,258
Estimated Issuance Expenses	19,745	19,745	25,380	25,380	28,208	28,208
TOTAL TO BE FINANCED	677,895	677,895	871,395	871,395	968,466	968,466
Rounding	2,106	2,106	3,605	3,605	1,534	1,534
NET BOND SIZE	680,000	680,000	875,000	875,000	970,000	970,000

Notes:

1) Source of Project Totals

Table 13 Stormwater Utility Projected Debt Service Payments (PROPOSED)

City of Evansville, WI

NAME	GO Notes (Storm Portion) Series 2022				GO Bonds (Storm Portion) Series 2024				GO Bonds (Storm Portion) Series 2027				PROPOSED Stormwater Debt Service Summary				
	AMT				AMT				AMT				Total Prin	Total Int	Total P&I	Prin Outstanding	Year
DATED				DATED				DATED									
MATURE				MATURE				MATURE									
RATE				RATE				RATE									
Year	Principal	Est. Rate	Interest	Total	Principal	Est. Rate	Interest	Total	Principal	Est. Rate	Interest	Total	Total Prin	Total Int	Total P&I	Prin Outstanding	Year
2021													0	0	0		2021
2022													0	0	0	680,000	2022
2023	45,000	2.50%	26,354	71,354									45,000	26,354	71,354	635,000	2023
2024	55,000	2.50%	15,188	70,188									55,000	15,188	70,188	1,455,000	2024
2025	60,000	2.50%	13,750	73,750	10,000	3.00%	41,413	51,413					70,000	55,163	125,163	1,385,000	2025
2026	65,000	2.50%	12,188	77,188	20,000	3.00%	25,650	45,650					85,000	37,838	122,838	1,300,000	2026
2027	70,000	2.50%	10,500	80,500	25,000	3.00%	24,975	49,975					95,000	35,475	130,475	2,175,000	2027
2028	70,000	2.50%	8,750	78,750	25,000	3.00%	24,225	49,225	0	3.50%	53,754	53,754	95,000	86,729	181,729	2,080,000	2028
2029	75,000	2.50%	6,938	81,938	50,000	3.00%	23,100	73,100	35,000	3.50%	33,338	68,338	160,000	63,375	223,375	1,920,000	2029
2030	80,000	2.50%	5,000	85,000	50,000	3.00%	21,600	71,600	35,000	3.50%	32,113	67,113	165,000	58,713	223,713	1,755,000	2030
2031	80,000	2.50%	3,000	83,000	50,000	3.00%	20,100	70,100	35,000	3.50%	30,888	65,888	165,000	53,988	218,988	1,590,000	2031
2032	80,000	2.50%	1,000	81,000	50,000	3.00%	18,600	68,600	60,000	3.50%	29,225	89,225	190,000	48,825	238,825	1,400,000	2032
2033					90,000	3.00%	16,500	106,500	65,000	3.50%	27,038	92,038	155,000	43,538	198,538	1,245,000	2033
2034					95,000	3.00%	13,725	108,725	65,000	3.50%	24,763	89,763	160,000	38,488	198,488	1,085,000	2034
2035					100,000	3.00%	10,800	110,800	65,000	3.50%	22,488	87,488	165,000	33,288	198,288	920,000	2035
2036					100,000	3.00%	7,800	107,800	65,000	3.50%	20,213	85,213	165,000	28,013	193,013	755,000	2036
2037					105,000	3.00%	4,725	109,725	65,000	3.50%	17,938	82,938	170,000	22,663	192,663	585,000	2037
2038					105,000	3.00%	1,575	106,575	70,000	3.50%	15,575	85,575	175,000	17,150	192,150	410,000	2038
2039									90,000	3.50%	12,775	102,775	90,000	12,775	102,775	320,000	2039
2040									90,000	3.50%	9,625	99,625	90,000	9,625	99,625	230,000	2040
2041									80,000	3.50%	6,650	86,650	80,000	6,650	86,650	150,000	2041
2042									80,000	3.50%	3,850	83,850	80,000	3,850	83,850	70,000	2042
2043									70,000	3.50%	1,225	71,225	70,000	1,225	71,225	0	2043
TOTALS	680,000		102,667	782,667	875,000		254,788	1,129,788	970,000		341,454	1,311,454	2,525,000	698,908	3,223,908		TOTALS

Notes:

Table 14
Stormwater Utility Cash Flow Analysis - Projected 2021-2030

City of Evansville, WI

	Actual	Budget	Projected									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Revenues												
Total Revenues from User Rates	\$241,037	\$242,030	\$290,436	\$319,480	\$351,428	\$386,570	\$425,227	\$467,750	\$467,750	\$467,750	\$467,750	
Percent Increase to User Rates		0.00%	20.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	0.00%	0.00%	0.00%
Cumulative Percent Rate Increase		0.00%	20.00%	32.00%	45.20%	59.72%	75.69%	93.26%	93.26%	93.26%	93.26%	
Dollar Amount Increase to Revenues		\$993	\$48,406	\$29,044	\$31,948	\$35,143	\$38,657	\$42,523	\$0	\$0	\$0	
Other Revenues												
Interest Income	\$1,941	\$7,000	\$7,035	\$655	\$544	\$2,620	\$860	\$1,212	\$1,771	\$1,974	\$2,336	
Other Income	\$878	\$1,000	\$1,010	\$1,020	\$1,030	\$1,041	\$1,051	\$1,062	\$1,072	\$1,083	\$1,094	
Total Other Revenues	\$2,819	\$8,000	\$8,045	\$1,675	\$1,574	\$3,660	\$1,911	\$2,273	\$2,844	\$3,057	\$3,429	
Total Revenues	\$243,856	\$250,030	\$298,481	\$321,154	\$353,002	\$390,231	\$427,138	\$470,023	\$470,594	\$470,807	\$471,179	
Expenses												
Operating and Maintenance	\$81,290	\$87,515	\$90,141	\$92,845	\$95,630	\$98,499	\$101,454	\$104,498	\$107,632	\$110,861	\$114,187	
Net Before Debt Service and Capital Expenditures	\$162,566	\$162,515	\$208,340	\$228,310	\$257,372	\$291,732	\$325,684	\$365,526	\$362,961	\$359,946	\$356,992	
Debt Service												
Existing Debt P&I ¹	\$129,214	\$126,126	\$202,121	\$162,060	\$158,649	\$135,541	\$132,533	\$124,617	\$121,644	\$64,301	\$63,656	
New (2021-2030) Debt Service P&I	\$0	\$0	\$0	\$71,354	\$70,188	\$125,163	\$122,838	\$130,475	\$181,729	\$223,375	\$223,713	
Total Debt Service	\$129,214	\$126,126	\$202,121	\$233,414	\$228,837	\$260,703	\$255,370	\$255,092	\$303,373	\$287,676	\$287,369	
Transfer In (Out)	\$5,215	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Capital Improvements & COI	\$77,127	\$1,200,128	\$677,895	\$17,000	\$488,427	\$382,968	\$0	\$968,466	\$19,000	\$0	\$0	
Bond Proceeds	\$0	\$945,000	\$680,000	\$0	\$875,000	\$0	\$0	\$970,000	\$0	\$0	\$0	
Net Annual Cash Flow	(\$38,560)	(\$213,739)	\$8,325	(\$22,104)	\$415,108	(\$351,940)	\$70,314	\$111,968	\$40,588	\$72,270	\$69,623	
<u>Restricted and Unrestricted Cash Balance:</u>												
Balance at first of year	\$374,909	\$336,349	\$122,610	\$130,935	\$108,831	\$523,939	\$171,999	\$242,313	\$354,281	\$394,869	\$467,138	
Net Annual Cash Flow Addition/(Subtraction)	(\$38,560)	(\$213,739)	\$8,325	(\$22,104)	\$415,108	(\$351,940)	\$70,314	\$111,968	\$40,588	\$72,270	\$69,623	
Balance at end of year	\$336,349	\$122,610	\$130,935	\$108,831	\$523,939	\$171,999	\$242,313	\$354,281	\$394,869	\$467,138	\$536,762	
"All-in" Coverage	1.26	1.29	1.03	0.98	1.12	1.12	1.28	1.43	1.20	1.25	1.24	

Notes:

Table 15

Stormwater Utility Financial Benchmarking Analysis 2021 - 2030

City of Evansville, WI

	Budget	Projected								
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Target minimum cash balance										
Target minimum working capital - Ehlers ¹	268,177	305,284	303,467	341,114	339,589	343,790	400,116	385,635	386,436	168,174
Actual Days Cash Available - PSC ²	669	817	995	3,338	2,695	1,899	2,355	14,768	4,465	4,185
Actual Days Cash Available - Moody's ³	508	527	425	1,997	635	869	1,235	1,337	1,536	1,713
Target minimum working capital - S&P ⁴	508	527	425	1,997	635	869	1,235	1,337	1,536	1,713
Actual working capital-cash balance										
Over (Under) Ehlers target	(145,567)	(174,349)	(194,636)	182,825	(167,589)	(101,477)	(45,835)	9,234	80,702	368,588
Over (Under) PSC target (90 days)	579	727	905	3,248	2,605	1,809	2,265	14,678	4,375	4,095
Over (Under) Moody's target (150 days)	358	377	275	1,847	485	719	1,085	1,187	1,386	1,563
Over (Under) S&P target (150 days)	358	377	275	1,847	485	719	1,085	1,187	1,386	1,563

Notes:

- 1) Target capital equals 4 mos of next year's operating expenses plus 100% of debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt ÷ 365 to get expense per day. Then Unrestricted Cash ÷ expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

Cost Recovery										
Operating Revenues	243,030	291,446	320,500	352,458	387,611	426,278	468,812	468,822	468,833	468,844
Cost Recovery w/o Depr.	2.78	3.23	3.45	3.69	3.94	4.20	4.49	4.36	4.23	4.11

Notes:

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the utility in the fiscal year. A ratio of less than 1 could be a sign of financial concern. In general, this ratio should be higher than 1 to accommodate future capital investments.

Table 16

Stormwater Utility Statement of Projected Revenue Bond Coverage

City of Evansville, WI

Year	Total Operating Revenues	Less:		Existing Rev Debt		Future Rev Debt (2021-2030)		Total Storm Debt Service	Coverage	Debt Service Capacity @ 1.25x
		Total O&M Expense	Amount Available for Debt Service	Total	Total					
2021	250,030	(87,515)	162,515	84,536	-	84,536	1.92	67,627		
2022	298,481	(90,141)	208,340	81,998	-	81,998	2.54	65,596		
2023	321,154	(92,845)	228,310	79,460	-	79,460	2.87	63,565		
2024	353,002	(95,630)	257,372	76,922	-	76,922	3.35	61,534		
2025	390,231	(98,499)	291,732	74,383	-	74,383	3.92	59,503		
2026	427,138	(101,454)	325,684	71,845	-	71,845	4.53	57,472		
2027	470,023	(104,498)	365,526	69,307	-	69,307	5.27	55,440		
2028	470,594	(107,632)	362,961	66,769	-	66,769	5.44	53,410		
2029	470,807	(110,861)	359,946	-	-	-	N/A	N/A		
2030	471,179	(114,187)	356,992	-	-	-	N/A	N/A		
2031	471,539	(117,613)	353,926	-	-	-	N/A	N/A		
2032	472,979	(121,141)	351,838	-	-	-	N/A	N/A		
2033	474,513	(124,776)	349,738	-	-	-	N/A	N/A		
2034	474,513	(128,519)	345,995	-	-	-	N/A	N/A		
2035	474,513	(132,374)	342,139	-	-	-	N/A	N/A		
2036	474,513	(136,346)	338,168	-	-	-	N/A	N/A		
2037	474,513	(140,436)	334,077	-	-	-	N/A	N/A		
2038	474,513	(144,649)	334,077	-	-	-	N/A	N/A		



2021 Stormwater Utility Rate Study

Section 4 — Utility Rate Impact Analysis

City of Evansville, WI

Table 17

Projected Impact of CIP on Typical Residential Utility Bill

City of Evansville, WI

Year	Stormwater				Utility Bill (Annual)	Change Over Prior Year	% of MHI (62,909)	Year
	Increase	Storm User Charge	Utility Bill (Monthly)	Change Over Prior Year				
2020		4.40	\$ 4.40		\$ 52.80		0.08%	2020
2021	0.00%	4.40	\$ 4.40	\$ -	\$ 52.80	\$ -	0.08%	2021
2022	20.00%	5.28	\$ 5.28	\$ 0.88	\$ 63.36	\$ 10.56	0.10%	2022
2023	10.00%	5.81	\$ 5.81	\$ 0.53	\$ 69.70	\$ 6.34	0.11%	2023
2024	10.00%	6.39	\$ 6.39	\$ 0.58	\$ 76.67	\$ 6.97	0.12%	2024
2025	10.00%	7.03	\$ 7.03	\$ 0.64	\$ 84.33	\$ 7.67	0.13%	2025
2026	10.00%	7.73	\$ 7.73	\$ 0.70	\$ 92.77	\$ 8.43	0.15%	2026
2027	10.00%	8.50	\$ 8.50	\$ 0.77	\$ 102.04	\$ 9.28	0.16%	2027
2028	0.00%	8.50	\$ 8.50	\$ -	\$ 102.04	\$ -	0.16%	2028
2029	0.00%	8.50	\$ 8.50	\$ -	\$ 102.04	\$ -	0.16%	2029
2030	0.00%	8.50	\$ 8.50	\$ -	\$ 102.04	\$ -	0.16%	2030
					\$ 49.24			

Notes:

Legend:

2028 is the final year of the CIP.