

AGENDA for the Zeeland Board of Public Works
3:30 p.m. – Tuesday, April 14, 2026
Zeeland Board of Public Works
Water Warehouse Meeting Space
330 E. Washington Ave., Zeeland, MI 49464

1. Call Meeting to Order – Announcement of Quorum
2. Review and Approve Minutes of the March 10, 2026 Regular Meeting*
3. Public Comment
4. Safety Minute
5. Financial Reports*
 - A. Electric Utility Statement of Revenues and Expenditures
 - B. Water Utility Statement of Revenues and Expenditures
 - C. Cash Disbursements
 1. Electric
 2. Water
 - D. Summary of Cash Position and Recommended Cash Transfers
6. Department Reports, Project Updates, Bid Recommendations
 - A. Accounting, Finance & Customer Service
 1. Finance & Customer Service Department Report
 - B. Water
 1. Water Department Report
 2. Bid Recommendation: 201 W. Washington Ave. Fire Service Replacement / Cost-Share Agreement*
 - C. Transmission & Distribution
 1. T&D Department Report
 2. Bid Recommendation: Electric Meter Purchase*
 3. Informational - APPA 2025 Annual Reliability Report
 - D. Power Supply and Market Operations
 1. Power Production Department Report
 2. Bid Recommendation: Power Plant Cooling Tower Controls PLC Upgrade*
 3. Professional Services Recommendation: Behind the Meter Generation Interconnection Study*
7. Other Business
 - A. Approve Video Management System Replacement*
 - B. Approve Authorized Representatives to the Michigan Professional Insurance Authority*
 - C. Approve Water Utility Fees Schedule Revisions*
 - D. Approve Electric Utility Fees Schedule Revisions*
 - E. Informational – General Manager Transition Process Update
 - F. Informational – MPPA 2026 Business and Credit Risk Assessment Report
 - G. Informational – Consideration to Change the Date of the August Board of Commissioner Meeting
 - H. Upcoming Events
8. Adjourn

* denotes Board Action requested

Regular Meeting
Board of Public Works
Water Warehouse
March 10, 2026

The regular meeting of the Board of Public Works Commission was held at the BPW Water Warehouse, 330 E. Washington, Tuesday, March 10, 2026. Chairperson Boerman called the meeting to order at 3:30 p.m.

PRESENT: Commissioners – Chairperson Boerman, Vice Chair Cooney, Query, VanAst,

Walters ABSENT: Commissioners – None

Staff Present: BPW General Manager Boatright; Electric Power Supply & Market Operations Manager Mulder; Water Operations Manager Postma, City of Zeeland
ACM/Finance Director Plockmeyer, IT Manager Maloney, City of Zeeland Clerk DeVerney

Motion was made by Commissioner Walters and seconded by Commissioner Cooney to approve the minutes of February 10, 2026, and February 17, 2026, Regular Meetings. Motion carried. All voting aye.

Public Comment

None.

Safety Minute

Heart attack vs cardiac arrest.

26.016 Purchase Recommendation: Electric SCADA Server Replacement

IT Manager Maloney noted that the Zeeland Board of Public Works Electric SCADA (Supervisory Control and Data Acquisition) infrastructure supports critical operational systems. The existing SCADA application servers and replication server have reached end-of-life and are no longer within their recommended hardware lifecycle. Continued operation on aging infrastructure increases the risk of hardware failure, extended downtime, and limited manufacturer support options.

Enterprise server hardware pricing remains volatile due to global supply chain pressures, AI-driven data center demand and tariff impacts. These conditions have elevated equipment costs and reduced pricing predictability. Including a modest contingency is prudent to address potential fluctuations prior to final procurement.

Proposal:

The proposed refresh includes:

- Replacement of two virtual SCADA application servers
- Replacement of one virtual replication server
- Deployment of three new enterprise-class servers
- Elimination of two virtual domain controllers within the SCADA network
- Migration of hypervisors from VMware to Microsoft Hyper-V, reducing ongoing licensing costs
- Preservation of redundancy to maintain continuous SCADA operations

The cost per server is \$14,500, resulting in a base purchase total of:

3 servers × \$14,500 = \$43,500

A 5% contingency is recommended due to current market volatility:

5% contingency = \$2,175

Total not-to-exceed amount:

\$45,675

Capital funds previously requested and allocated include:

- \$35,000 for two SCADA servers
- \$15,000 for one replication server

Total capital allocation: \$50,000

Staff recommend that BPW proceed with the purchase of three replacement SCADA servers in an amount not to exceed \$45,675, which includes a 5% contingency to address potential pricing fluctuations, utilizing previously approved capital funds, and authorizing procurement through the MiDeal cooperative contract.

Motion was made by Commissioner Query and seconded by Commissioner Cooney to approve the purchase of three BPW Electric SCADA replacement servers from Dell, under MiDeal Contract pricing, in an amount not to exceed \$45,675.

26.017 Approve Cash Disbursements and Recommended Cash Transfers

Motion was made by Commissioner Query and seconded by Commissioner Walters to approve the January 2026 cash disbursements and the regular monthly transfers for the month of January 2026 as follows:

Cash and Investments as of: January 31, 2026

	<u>Electric</u>		<u>Water</u>
Receiving	\$ 3,576,185	\$	375,952
Accumulated Debt Service (in Receiving Fund)	-		-
Plant Improvements and Contingencies	13,148,879		13,771.156
Bond and Interest Payment Reserve*	-		-
Totals	<u>\$ 16,725,064</u>		<u>\$ 14,147,108</u>

*Reserve required per electric and water revenue bond ordinances.

Recommended Transfers for the Month: January-26

	<u>Electric</u>	<u>Water</u>
Receiving	(\$57,645)	-
Accumulated Debt Service	-	-
Plant Improvements and Contingency	-	-
General Fund (per charter provision)	\$57,645	-

Notes on Recommended Transfers:

- 1 The annual operating transfer for FY 25-26 from the Electric Fund to the General Fund is a combination of 1% of net fixed assets as of June 30, 2024, and 1% of gross sales, less sales tax, for the year ended June 30, 2024, less any franchise payments. The annual operating transfer is divided into twelve monthly payments.
- 2 Assumed carrying amounts (minimum) in Receiving accounts are established at approximately 10% of budgeted operating expenses, before depreciation.

Electric = 10% of \$ 37,423,451 or approximately \$ 3,742,345

Water = 10% of \$ 4,721,757 or approximately \$ 472,176

- 3 No transfers are recommended for January 2026.

Motion carried. All voting aye.

Accounting, Finance & Customer Service Report

ACM/Finance Director Plockmeyer updated the Board on current operations status, activities and projects which include:

January 2026 Customer Metrics

- Overdue/Disconnect Notices = 203
- Active Accounts = 8,006
- Total Bills Sent = 8,043
- Paperless Bills = 2,692
- Pre-Authorized Payment Customers = 2,219
- Invoice Cloud = 3,087
 - o Credit Card = 2,296
 - o EFT = 791

December 2025 Customer Metrics

- Overdue/Disconnect Notices = 239
- Active Accounts = 8,004
- Total Bills Sent = 8,269
- Paperless Bills = 1,566
- Pre-Authorized Payment Customers = 2,229
- Invoice Cloud = 2,992
 - o Credit Card = 2,224
 - o EFT = 768

C&I Electric Meter Read Dates – Over the next several months, we will be launching a campaign to transition our Commercial and Industrial customers from a 20th-of-the-month read date to an end-of-the-month read date. This change will result in customers receiving a normal bill, followed by a “long” bill of approximately 40 days, and then returning to a normal billing cycle.

As staff, we are approaching this transition with some excitement, as we see it as an opportunity to provide more accurate financial data since billing will better align with our expenses. We are currently working on customer communications for this transition and will begin by converting our BPW and City-owned accounts first. We expect to accomplish this change without any service outage to customers. Our goal is to complete all transitions prior to June 30.

Downtown Trash Service Billing – We are currently exploring the idea of transitioning the billing of downtown trash service (for those who use the centralized dumpsters in the north and south parking lots) to the BPW. We are considering this change due to the experience we are currently having with our trash hauler and the expectation that we may be able to reduce trash costs for downtown property owners.

Based on our understanding of SpryPoint, this would be a relatively simple billing item to administer. We will continue to keep the board informed as we further evaluate this option.

ACM/Finance Director Plockmeyer noted that at the Board’s February 17 special meeting, the BPW management team presented the proposed Fiscal Year 2026-2027 budget. Overall (electric and water combined), the Fiscal Year 2026-2027 budget is proposing overall net operating revenues of \$48,854,391, total operating expenses of \$51,874,487, and nonoperating income of \$3,870,074. In total the budget is proposing a net operating loss of \$849,978. The budget is also proposing to invest \$8,213,000 in capital projects.

Based on the board’s action, the next step will be to bring this budget to the Zeeland City Council for consideration at the end of March, with anticipated final approval by City Council at their May 4th meeting.

Motion by Commissioner Query and seconded by Commissioner VanAst to approve the Fiscal Year 2026-2027 budget as presented. All voting aye.

Water Department Report

Water Operations Manager Postma updated the Board on activities, current operations status, and projects which include:

- Meter replacement program
- Galvanized Service Line Replacement Program
- Other work projects
- Water Administration Projects

Transmission & Distribution Department Projects Update

Electrical Transmission & Distribution Manager Coots updated the Board on current activities including:

- City Undergrounding Projects
- Fairview Circuit Breaker Replacement
- Outage Statistics

26.019 Fairview Substation 69kV Breaker Replacement – Construction Bids

This project involves replacing three (3) existing 69kV circuit breakers at the Fairview Substation. These breakers have been targeted for replacement due to their age and increasing maintenance requirements, which presents a growing risk to system reliability and service continuity. Preventative maintenance reports from previous years have documented the degradation of this equipment, and staff have determined that replacement is the most reliable long-term solution.

The selected contractor will be responsible for assembling and installing the new circuit breakers, including retrofitting existing foundations, modifying and terminating control wiring, and completing associated installation work necessary to place the new breakers into service. This work will utilize the breakers previously approved and purchased by the Board.

A bid alternate option was requested to obtain pricing for the proper disposal of the existing circuit breakers after removal and was not required as part of the base bid.

Upon completion of construction, staff will coordinate testing and commissioning activities to ensure the new breakers are fully operational and integrated into the substation system.

Bidder Name	Quote	Meets Specification	Comments
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Kent Power	Base Bid: \$85,780 Bid Alternate: \$27,815	YES	RECOMMEND BOTH
Newkirk Electric	Base Bid: \$164,040 Bid Alternate: N/A	YES	

Motion by Commissioner Cooney and seconded by Commissioner Query to approve the base bid and bid alternate for construction at Fairview Substation from Kent Power in the amount of \$113,595 for the Fairview 69kV Breaker Replacement Construction Services.

Power Production and Buildings & Grounds Department Report

Power Supply & Market Operations Manager/Utilities Manager Designee Mulder updated the Board on activities, current operations status, and projects which include:

- Operations & Power Supply – January 2026
- Renewable Energy Credits (RECS): January 2026
- Projects & Department Updates
 - o Gregg Schmidt – Electric System Operator II Certification
 - o Integrated Resource Plan (IRP) Update & Stakeholder Engagement Project
 - o MPPA BTMG Initiative
 - o Power Plant Natural Gas Main Replacement Project
 - o Employee Retirements
 - o APPA Legislative Rally
 - o Remembering Keith Parrott, MPPA Staff
- Buildings & Grounds
 - o BPW Office Remodel & Expansion Project
 - o General Facilities Work

Other BPW Business

Power Supply & Market Operations Manager/Utilities Manager Designee Mulder updated the Board on current activities including:

- Electric SCADA Server Replacement

Upcoming Events

- **Next Regular ZBPW Board Meeting, Tuesday, April 14, 2026, 3:30 p.m., Water Warehouse Meeting Space, 330 E. Washington Ave, Zeeland**
- Power Supply Strategic Planning and Stakeholder Engagement Initiative Stakeholder Working Group Meeting #3, Thursday, March 19, 2026, 4:00 – 6:00 p.m., HML North Activity Room
- MMEA Legislative Reception, Wednesday, April 15, 2026, 11:00 a.m. – 1:00 p.m., Lansing, MI
- Zeeland Citizen’s Academy, Wednesdays, April 15 - May 20, 2026, Graduation – June 1, 2026
- ZBPW Business & Industry Breakfast, Thursday, April 23, 7:30 – 9:00 a.m., Howard Miller Community Center Banquet Room
- MPPA Stakeholders Meeting, Thursday, May 14, 12:00 noon to 6:30 p.m., Frederik Meijer Gardens

Motion was made and supported that the regular meeting adjourned at 5:02 p.m. Motion carried. All voting aye.

Kristi DeVerney, City Clerk

DRAFT



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Be Tick Free - A Guide for Preventing Lyme Disease

Lyme Disease in New York State

The New York State Department of Health (NYSDOH) and local health departments continue to investigate the spread of Lyme disease throughout New York State. Lyme disease is a bacterial infection caused by the bite of an infected deer tick. Untreated, the disease can cause a number of health problems. Patients treated with antibiotics in the early stage of the infection usually recover rapidly and completely. Since Lyme disease first became reportable in 1986, over 120,000 cases have been reported in New York State.

What is Lyme Disease?

Lyme disease is caused by bacteria transmitted by the deer tick (*Ixodes scapularis*). Lyme disease may cause symptoms affecting the skin, nervous system, heart and/or joints of an individual. Over 98,500 cases have been reported to the New York State Department of Health since Lyme disease became reportable in 1986.

Who gets Lyme disease?

Lyme disease can affect people of any age. People who spend time in grassy and wooded environments are at an increased risk of exposure. The chances of being bitten by a deer tick are greater during times of the year when ticks are most active. Young deer ticks, called nymphs, are active from mid-May to mid-August and are about the size of poppy seeds. Adult ticks, which are approximately the size of sesame seeds, are most active from March to mid-May and from mid-August to November. Both nymphs and adults can transmit Lyme disease. Ticks can be active any time the temperature is above freezing. Infected deer ticks can be found throughout New York State.

How is Lyme disease transmitted?

Not all deer ticks are infected with the bacteria that cause Lyme disease. Ticks can become infected if they feed on small animals that are infected. The disease can be spread when an infected tick bites a person and stays attached for a period of time. In most cases, the tick must be attached for 36 hours or more before the bacteria can be transmitted. Lyme disease does not spread from one person to another. Transfer of the bacteria from an infected pregnant woman to the fetus is extremely rare.

What are the symptoms of Lyme disease?

In 60-80 percent of cases, a rash resembling a bull's eye or solid patch, about two inches in diameter, appears and expands around or near the site of the bite. Sometimes, multiple rash sites appear. The early stage of Lyme disease is usually marked by one or more of the following symptoms: chills and fever, headache, fatigue, stiff neck, muscle and/or joint pain, and swollen glands. If Lyme disease is unrecognized or untreated in the early stage, more severe symptoms may occur. As the disease progresses, severe fatigue, a stiff aching neck, and tingling or numbness in the arms and legs, or facial paralysis can occur. The most severe symptoms of Lyme disease may not appear until weeks, months or years after the tick bite. These can include severe headaches, painful arthritis, swelling of the joints, and heart and central nervous system problems.

When do symptoms appear?

Early symptoms usually appear within three to 30 days after the bite of an infected tick.

Does past infection with Lyme disease make a person immune?

Lyme disease is a bacterial infection. Even if successfully treated, a person may become reinfected if bitten later by another infected tick.

What is the treatment for Lyme disease?

Early treatment of Lyme disease involves antibiotics and almost always results in a full cure. However, the chances of a complete cure decrease if treatment is delayed.

What can I do to prevent Lyme disease?

Deer ticks live in shady, moist areas at ground level. They will cling to tall grass, brush and shrubs, usually no more than 18-24 inches off the ground. They also live in lawns and gardens, especially at the edges of woods and around old stone walls. Deer ticks cannot jump or fly, and do not drop onto passing people or animals. They get on humans and animals only by direct contact. Once a tick gets on the skin, it generally climbs upward until it reaches a protected area.

- In tick-infested areas, your best protection is to avoid contact with soil, leaf litter and vegetation. However, if you garden, hike, camp, hunt, work, or otherwise spend time in the outdoors, you can still protect yourself:
- Wear light-colored clothing with a tight weave to spot ticks easily.
- Wear enclosed shoes, long pants and a long-sleeved shirt. Tuck pant legs into socks or boots and shirt into pants.
- Check clothes and any exposed skin frequently for ticks while outdoors and check again once indoors.
- Consider using insect repellent. Follow label directions.
- Stay on cleared, well-traveled trails. Avoid contacting vegetation.
- Avoid sitting directly on the ground or on stone walls.
- Keep long hair tied back, especially when gardening.

Tick Life Cycle

Deer Tick Life Cycle

The deer tick passes through four life stages (egg, larva, nymph, adult), over a two year period

Egg to Larvae

Eggs are fertilized in the fall and deposited in leaf litter the following spring. They emerge as larvae in late summer of that year, seeking their first blood meal. The tiny larva crawls around the forest floor and onto low-lying vegetation looking for an appropriate host. Their first host is generally a mouse or other medium-sized mammal or bird. Once attached, the larvae embed their mouth parts and feed for several days. If the host is infected with a disease such as Lyme, the tick may be infected during this feeding. The larvae then drop off their host into the leaf litter where they molt into the next stage, the nymph, remaining dormant until the following spring.

Larvae to Nymph

During the spring and early summer of the next year the nymphs end their dormancy and begin to seek a host. Nymphs are commonly found on the forest floor in leaf litter and on low lying vegetation. Their host primarily consists of mice and other rodents, deer, birds and unfortunately humans. Most cases of Lyme disease are reported from May through August, which corresponds to the peak activity period for nymphs. This suggests that the majority of Lyme disease cases are transmitted by nymphal deer ticks. After feeding for several days the nymph ticks drop off to the forest floor.

Nymph to Adult

Over the next few months the nymph molts into the larger adult tick, which emerges in fall, with a peak in October through November. Both male and female adults find and feed on a host, then the females lay eggs sometime after feeding.

Adult ticks wait for host animals from the tips of grasses and shrubs approximately one meter above the ground. When an animal or person brushes by the vegetation, they quickly let go and climb onto the host. Adult ticks feed on their host for five to seven days. The female will become engorged with blood, providing nourishment for her developing eggs. After feeding and mating, the female tick drops into the leaf litter where she lays thousands of eggs. She will become dormant as the temperature drops below 40° F.

Tick Facts

Ticks can only crawl; they cannot fly or jump. Ticks found on the scalp have usually crawled there from lower parts of the body. Some species of ticks will crawl several feet toward a host. Ticks can be active on winter days when the ground temperatures are above 45 degrees Fahrenheit.

There are two groups of ticks, sometimes called "hard" ticks and "soft" ticks. Hard ticks, like the common dog tick and Deer tick, have a hard shield just behind the mouthparts (sometimes incorrectly called the "head"); unfed hard ticks are shaped like a flat seed. Soft ticks do not have the hard shield and they are shaped like a small raisin. Soft ticks prefer to feed on birds or bats and are seldom encountered unless these animals are nesting or roosting in an occupied building.

The most commonly encountered ticks in New York State are the deer tick, American dog tick, and lone star tick.

How to Remove a Tick

You find a tick attached to you or your child!

Now what?

Don't panic. Not all ticks are infected, and your risk of acquiring Lyme disease is greatly reduced if the tick is removed within the first 36 hours after attachment.

Remove the tick promptly and properly:

- Using tweezers, grasp the tick as close to the skin as possible.
- Gently pull the tick in a steady, upward motion.
- Wash the area with a disinfectant.
- When trying to remove the tick:
 - **DO NOT** touch the tick with your bare hands.
 - **DO NOT** squeeze the body of the tick as this may increase your risk of infection.
 - **DO NOT** put alcohol, nail polish remover or Vaseline on the tick.
 - **DO NOT** put a hot match or cigarette on the tick in an effort to make it "back out."
 - **DO NOT** use your fingers to remove the tick.

These methods do not work and only increase the likelihood the tick will transmit Lyme disease to you. Applying alcohol, nail polish remover, or a hot match can irritate a tick and cause it to regurgitate its gut contents into your skin. The gut contents of a tick can contain the Lyme disease-causing bacterium.

While removing a tick, if the tick's mouthparts break off and remain in your skin, don't worry. The mouthparts alone cannot transmit Lyme disease, because the infective body of the tick is no longer attached. The mouthparts can be left alone. They will dry up and fall out by themselves in a few days, or you can remove them as you would a splinter.

After cleaning the area, watch the site of the bite for the appearance of a rash 3 to 30 days after the bite. The rash will usually be at least 2 inches in diameter initially and will gradually expand to several inches in size. Rashes smaller than the size of a quarter are usually a reaction to the bite itself and do not mean you have Lyme disease.

If you develop this type of rash or flu-like symptoms, contact your health care provider immediately. Although not routinely recommended, taking antibiotics within three days after a tick bite may be beneficial for some persons. This would apply to deer tick bites that occurred in areas where Lyme disease is common and there is evidence that the tick fed for more than one day. In cases like this you should discuss the possibilities with your doctor or licensed health care provider.

Creating a Tick-Free Zone Around Your Home

While deer ticks are most abundant in wooded areas, they are also commonly found in our lawns and shrubs. There are a number of measures homeowners can take to reduce the possibility of being bitten by a tick on their property.

Ticks and their primary hosts - mice, chipmunks and other small mammals - need moisture, a place away from direct sunlight and a place to hide. The cleaner you keep the area around the house, the less likely your chances of being bitten by a tick.

Although it may not be possible to create a totally tick-free zone, taking the following precautions will greatly reduce the tick population in your yard.

- Keep grass mowed.
- Remove leaf litter, brush and weeds at the edge of the lawn.
- Restrict the use of groundcover, such as pachysandra in areas frequented by family and roaming pets.
- Remove brush and leaves around stonewalls and wood piles.
- Discourage rodent activity. Clean up and seal stonewalls and small openings around the home.
- Move firewood piles and bird feeders away from the house.
- Manage pet activity; keep dogs and cats out of the woods to reduce ticks brought into the home.
- Use plantings that do not attract deer (contact your local Cooperative Extension or garden center for suggestions) or exclude deer through various types of fencing.
- Move children's swing sets and sand boxes away from the woodland edge and place them on a wood chip or mulch type foundation.
- Trim tree branches and shrubs around the lawn edge to let in more sunlight.
- Adopt dryer or less water-demanding landscaping techniques with gravel pathways and mulches. Create a 3-foot or wider wood chip, mulch, or gravel border between lawn and woods or stonewalls. Consider areas with decking, tile, gravel and border or container plantings in areas by the house or frequently traveled.
- Widen woodland trails.
- If you consider a pesticide application as a targeted treatment, do not use any pesticide near streams or any body of water, as it may kill aquatic life or pollute the water itself.



Always read and follow pesticide label directions and precautions

Tick and Insect Repellents: Deciding on Their Use

There are many different products on the market, with different ingredients, concentrations and effectiveness. The most effective contain DEET, permethrin (only to be applied on clothing), picaridin or oil of lemon eucalyptus. If you decide to use one, be sure to follow label directions and apply repellent carefully.

About Insect Repellents

DEET (the label may say N,N-diethyl-m-toluamide) comes in many different concentrations, with percentages as low as five percent or as high as 100 percent. In general, the higher the concentration the higher the protection, but the risk of negative health effects goes up, too. Use the lowest concentration that you think will provide the protection you need.

Picaridin (also known as KBR3023) and oil of lemon eucalyptus were registered for use in New York State in 2005. Both repellents have been shown to offer long-lasting protection against mosquito bites but there are limited data regarding their ability to repel ticks.

Products containing permethrin are **for use on clothing only**, not on skin. Permethrin kills ticks and insects that come in contact with treated clothes. Permethrin products can cause eye irritation, particularly if label directions have not been followed. Animal studies indicate that permethrin may have some cancer-causing potential. Permethrin is effective for two weeks or more if the clothing is not washed. Keep treated clothing in a plastic bag when not in use.

If you decide to use any kind of repellent, carefully read and follow all label directions before each use. On the labels, you will find important information about how to apply the repellent, whether it can be applied to skin and/or clothing, special instructions for children, hazards to humans, physical or chemical hazards and first aid.

Children, Pregnant Women and Repellents

Children may be at greater risk for adverse reactions to repellents, in part, because their exposure may be greater.

- Keep repellents out of the reach of children.
- Do not allow children to apply repellents to themselves.
- Use only small amounts of repellent on children.
- Do not apply repellents to the hands of young children because this may result in accidental eye contact or ingestion.
- Try to reduce the use of repellents by dressing children in long sleeves and long pants tucked into boots or socks whenever possible. Use netting over strollers, playpens, etc.

- As with chemical exposures in general, pregnant women should take care to avoid exposures to repellents when practical, as the fetus may be vulnerable.

Considerations

When thinking about using a repellent, consider a combination of things, including where you are, how long you will be outside and how bad the bugs are, and if those bugs carry disease. Every situation is different. Use the following questions to make a "profile" that fits your situation - this may help you decide if you want to use a repellent, and if so, which kind.

What type of pest are you concerned about?

Ticks may be more difficult to repel than mosquitoes. Repellents provide some protection against ticks, as does wearing lightcolored, long-sleeved shirts and long pants, with bottoms tucked into socks and boots.

When will you be outside? Where will you be?

Some pests are more active at certain times. For example, some mosquitoes are most active between dusk and dawn. Ticks may be active at any time of day. Some places are more likely to have higher activity too. Mosquitoes generally live in areas with brush and trees. Ticks prefer areas with tall grass, brush and trees.

How long will you be outside?

Are you doing some gardening, going on a hike, camping for a week? The longer you are out, the more protection you may need. Some people exposed to high numbers of ticks and mosquitoes for long periods of time use a two-part approach. With this approach, about 33 percent DEET in a controlled release formula is applied on exposed skin, and clothing is treated with permethrin. If, on the other hand, you are going to do some yard work or have a picnic during mid-day when mosquito activity is low and you decide to use an insect repellent, DEET concentrations as low as five percent may provide sufficient protection from mosquito bites for up to about four hours.

Remember! If you decide to use a repellent, use only what and how much you need for your situation.

Lyme Disease and Pets

Lyme disease is not limited to humans. Veterinarians have reported Lyme in both dogs and cats. Just as with humans, it is important for animals to avoid tick bites and receive prompt treatment for Lyme disease.

Tick Bite Prevention:

- When walking or exercising your pet outdoors, try to keep it away from grassy or wooded areas and leafy debris.
- Check your pet regularly for ticks, especially after any trips through grassy or wooded areas. Comb through your pet's hair thoroughly.
- If you find a tick, remove it promptly.
- Consult your veterinarian about treating your dog or cat with tick-killing pesticides (acaricides) or using tick collars. There are many pesticides aimed at preventing tick bites, but some people and animals may be sensitive to the chemicals they contain.
- There is currently a Lyme disease vaccine available for dogs. However, there are varying opinions on its effectiveness. Consult your veterinarian about the vaccine.
- If you find several ticks on your dog, you may wish to discuss an insecticidal bath with your veterinarian or groomer.

Symptoms of Lyme Disease in Pets:

Symptoms of Lyme disease in animals are similar to the symptoms in humans. Although you will not see a skin rash on your pet, they can experience a range of symptoms:

- In dogs: Some infected dogs do not experience any symptoms of Lyme disease. Symptoms include lethargy, arthritis (displayed as joint pain, shifting from foot to foot, and lameness), fever, fatigue, and kidney damage. Symptoms can become chronic.
- In cats: While there is some debate about whether cats suffer from Lyme disease, cats are thought to be highly resistant to the disease.

Treatment of Lyme Disease in Pets:

As with humans, animals are generally treated for Lyme disease with certain antibiotics. However, you should consult your veterinarian about proper treatment of your pet.

Questions or comments

Send an email to bcdc@health.state.ny.us

Zeeland Board of Public Works
Statement of Revenue & Expenses
Electric Utility Fund
February 2026

GL NUMBER	ACTIVITY FOR MONTH 2/28/2026	ACTIVITY % OF OPERATING REVENUE	February 2026 BUDGET	BUDGET % OF OPERATING REVENUE	COST AS BUDGET % OF ACTUAL REVENUE	DELTA F/(U)	YTD BALANCE 2/28/2026	2025-26 AMENDED BUDGET	2025-26 REMAINING BUDGET	PRIOR YEAR YTD BALANCE 2/28/2025		
Fund 582 - ELECTRIC UTILITY FUND												
	CHARGES FOR SERVICE		3,246,000.56				25,980,459.12	38,769,996.34	12,789,537.22	25,793,710.04		
	OTHER REVENUE		3,453.24				53,960.58	80,370.00	26,409.42	57,204.91		
	TOTAL OPERATING REVENUES		3,249,453.80				26,034,419.70	38,850,366.34	12,815,946.64	25,850,914.95		
240 - CONTINGENCIES	0.00	0.00%	12,720.61	0.44%	\$ 14,148.33	\$ 14,148.33	0.00	169,157.00	169,157.00	0.00		
252 - FRINGE BENEFITS	0.00	0.00%	112.80	0.00%	\$ 125.46	\$ 125.46	1,280.87	1,500.00	219.13	0.00		
536 - POWER PRODUCTION	90,964.13	2.80%	98,025.16	3.36%	\$ 109,027.22	\$ 18,063.09	789,299.26	1,303,526.00	514,226.74	711,633.15		
537 - INTERCHANGE POWER	1,567,317.26	48.23%	1,948,294.84	66.69%	\$ 2,166,965.95	\$ 599,648.69	16,991,045.62	25,908,176.00	8,917,130.38	15,876,855.67		
539 - TRANSMISSION	197,320.22	6.07%	327,183.47	11.20%	\$ 363,905.62	\$ 166,585.40	2,428,006.37	4,350,844.00	1,922,837.63	2,153,848.13		
540 - UTILITY LINES	131,036.55	4.03%	145,819.06	4.99%	\$ 162,185.38	\$ 31,148.83	1,148,406.94	1,939,083.23	790,676.29	1,193,900.03		
542 - STREET LIGHTING & SIGNALS	1,272.43	0.04%	465.16	0.02%	\$ 517.37	\$ (755.06)	5,212.58	6,185.67	973.09	13,071.72		
543 - METERS	1,637.77	0.05%	3,267.76	0.11%	\$ 3,634.53	\$ 1,996.76	8,404.57	43,454.30	35,049.73	12,385.19		
545 - SUBSTATIONS	7,799.71	0.24%	16,562.19	0.57%	\$ 18,421.08	\$ 10,621.37	126,189.64	220,241.85	94,052.21	67,157.44		
546 - ACCOUNTING	26,653.56	0.82%	29,471.80	1.01%	\$ 32,779.63	\$ 6,126.07	199,281.41	391,912.23	192,630.82	196,266.39		
547 - ADMINISTRATION	189,283.38	5.83%	130,436.65	4.46%	\$ 145,076.50	\$ (44,206.88)	1,283,231.62	1,734,529.97	451,298.35	1,040,563.58		
551 - CLEAN ENERGY PROGRAM	25,774.39	0.79%	33,840.00	1.16%	\$ 37,638.11	\$ 11,863.72	396,027.10	450,000.00	53,972.90	281,987.65		
571 - BUILDINGS & GROUNDS	35,108.81	1.08%	26,272.71	0.90%	\$ 29,221.48	\$ (5,887.33)	170,307.31	349,371.10	179,063.79	177,490.32		
572 - INSURANCE & BONDS	35,307.15	1.09%	38,011.34	1.30%	\$ 42,277.63	\$ 6,970.48	282,457.20	505,470.00	223,012.80	301,103.06		
576 - CAPITAL CONTRIBUTIONS	0.00	0.00%	3,760.00	0.13%	\$ 4,182.01	\$ 4,182.01	0.00	50,000.00	50,000.00	0.00		
	TOTAL OPERATING EXPENDITURES		2,309,475.36	71.07%	\$ 2,814,243.54	96.33%	\$ 3,130,106.29	\$ 820,630.93	23,829,150.49	37,423,451.35	13,594,300.86	22,026,262.33
Fund 582 - ELECTRIC UTILITY FUND:												
	NET OF OPERATING REVENUES & EXPENDITURES		939,978.44				2,205,269.21	1,426,914.99	(778,354.22)	3,824,652.62		
NON-OPERATING REVENUES												
	Equity Adjustment in MPIA		359,467.33				75,200.00	2,594,664.95	1,000,000.00	(1,594,664.95)	1,621,257.31	
	Equity Adjustment in MPPA		40,921.67				7,520.00	128,368.83	100,000.00	(28,368.83)	224,121.09	
	Interest Earnings - Imp & Add		46,210.44				15,040.00	359,109.44	200,000.00	(159,109.44)	241,228.42	
	Sale of Fixed Assets		0.00				2,256.00	12,000.00	30,000.00	18,000.00	251,500.00	
	Capital Contributions		0.00				3,760.00	47,810.95	50,000.00	2,189.05	22,180.28	
	TOTAL REVENUES		3,696,053.24				3,025,323.55	29,176,373.87	40,230,366.34	11,053,992.47	28,211,202.05	
NON-OPERATING EXPENSES												
	550 - DEPRECIATION		239,276.64	7.36%	\$ 220,180.79	\$ 7.54%	244,893.26	5,616.62	1,914,213.13	2,927,936.00	1,013,722.87	1,692,332.06
	965 - TRANSFERS OUT		57,644.50	1.77%	\$ 52,018.40	\$ 1.78%	57,856.79	212.29	691,734.00	230,578.00	430,315.36	
	TOTAL EXPENDITURES		2,606,396.50		3,086,442.73		26,204,519.62	41,043,121.35	14,838,601.73	24,148,909.75		
	NET OF REVENUES & EXPENDITURES		1,089,656.74		(61,119.18)		2,971,854.25	(812,755.01)	(3,784,609.26)	4,062,292.30		

Zeeland Board of Public Works
Statement of Revenue & Expenses
Water Utility Fund
February 2026

GL NUMBER	ACTIVITY FOR MONTH 2/28/2026	ACTIVITY % OF OPERATING REVENUE	February 2026 BUDGET	BUDGET % OF OPERATING REVENUE	COST AS BUDGET % OF ACTUAL REVENUE	DELTA F/(U)	YTD BALANCE 2/28/2026	2025-26 AMENDED BUDGET	2025-26 REMAINING BUDGET	PRIOR YEAR YTD BALANCE 2/28/2025
Fund 591 - WATER UTILITY FUND										
	CHARGES FOR SERVICE		415,759.73				3,837,650.01	5,808,619.00	1,970,968.99	3,593,112.20
	OTHER REVENUE		(1,708.73)				1,501,131.64	20,825.00	(1,480,306.64)	28,196.54
	TOTAL OPERATING REVENUES		414,051.00				5,338,781.65	5,829,444.00	490,662.35	3,621,308.74
240 - CONTINGENCIES	0.00	0.00%	742.59	0.20%	\$ 843.90	\$ 843.90	0.00	10,130.78	10,130.78	0.00
252 - FRINGE BENEFITS	0.00	0.00%	73.30	0.02%	\$ 83.30	\$ 83.30	301.38	1,000.00	698.62	0.00
534 - SOURCE OF SUPPLY	222,150.64	53.65%	187,516.94	51.47%	\$ 213,101.84	\$ (9,048.80)	1,730,908.84	2,558,212.00	827,303.16	1,591,276.60
535 - PUMPING	26,651.20	6.44%	35,169.56	9.65%	\$ 39,968.11	\$ 13,316.91	256,436.73	479,802.94	223,366.21	285,153.83
538 - TRANSMISSION	29,678.08	7.17%	33,000.08	9.06%	\$ 37,502.63	\$ 7,824.55	194,519.66	450,205.73	255,686.07	217,191.53
546 - ACCOUNTING	12,911.68	3.12%	14,175.66	3.89%	\$ 16,109.80	\$ 3,198.12	103,158.86	193,392.41	90,233.55	101,799.15
547 - ADMINISTRATION	51,997.97	12.56%	51,755.59	14.21%	\$ 58,817.14	\$ 6,819.17	409,515.83	706,078.93	296,563.10	389,897.73
571 - BUILDINGS & GROUNDS	10,124.72	2.45%	10,587.03	2.91%	\$ 12,031.53	\$ 1,906.81	61,588.33	144,434.22	82,845.89	73,556.99
572 - INSURANCE & BONDS	11,769.05	2.84%	12,351.05	3.39%	\$ 14,036.23	\$ 2,267.18	94,152.40	168,500.00	74,347.60	100,370.80
576 - CAPITAL CONTRIBUTIONS	0.00	0.00%	733.00	0.20%	\$ 833.01	\$ 833.01	0.00	10,000.00	10,000.00	0.00
	TOTAL OPERATING EXPENDITURES		365,283.34	88.22%	\$ 393,327.48	\$ 28,044.14	2,850,582.03	4,721,757.01	1,871,174.98	2,759,246.63
Fund 591 - WATER UTILITY FUND:										
	NET OF REVENUES & EXPENDITURES		48,767.66				2,488,199.62	1,107,686.99	(1,380,512.63)	862,062.11
NON-OPERATING REVENUES										
	Interest Earnings - Imp & Add		39,526.12				314,022.09	150,000.00	(164,022.09)	214,717.56
	Rents		0.00				85,220.82	79,742.08	(5,478.74)	80,657.04
	Sale of Fixed Assets		0.00				0.00	0.00	0.00	0.00
	Contributed Capital		0.00				28,046.00	25,000.00	(3,046.00)	39,126.00
	TOTAL REVENUES		453,577.12				5,766,070.56	6,084,186.08	318,115.52	3,955,809.34
NON-OPERATING EXPENSES										
	550 - DEPRECIATION		90,180.70	21.78%	\$ 97,513.50	\$ 7,332.80	721,445.59	1,170,615.00	449,169.41	689,565.60
	TOTAL EXPENDITURES		455,464.04				3,572,027.62	5,892,372.01	2,320,344.39	3,448,812.23
	NET OF REVENUES & EXPENDITURES		(1,886.92)				2,194,042.94	191,814.07	(2,002,228.87)	506,997.11

FUND 582 - ELECTRIC
CHECK DATE FROM 02/01/2026 - 02/28/2026

Check Date	Check #	Payee	Description	Amount
02/09/2026	141835(A)#	ACE HARDWARE	CHECK GEN 141835(A) TOTAL FOR FUND 582:	35.84
02/16/2026	141897(A)	ACE HARDWARE	CHECK GEN 141897(A) TOTAL FOR FUND 582:	145.21
02/23/2026	141928(A)#	ACE HARDWARE	CHECK GEN 141928(A) TOTAL FOR FUND 582:	110.96
02/23/2026	141929(A)	ACTION INDUSTRIAL SUPPLY CO.	LENS CLEANING TOWELETTES	25.44
02/23/2026	141931(A)	AD BOS OFFICE COFFEE SERVICE	CHECK GEN 141931(A) TOTAL FOR FUND 582:	118.77
02/20/2026	188403	ADVANCE AUTO PARTS	CHECK GEN 188403 TOTAL FOR FUND 582:	26.39
02/06/2026	188302	ALTEC INDUSTRIES INC.	HARNESS UNIT OUTRIGGER CONTROL BOX, LABOR, FREIGH	1,536.28
02/13/2026	188363	American Public Power Assoc.	POWERTRX RELIABILITY SUBSCRIPTION/SEAT	490.00
02/20/2026	188406	ASHLEY REYES	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10006548	38.06
02/02/2026	141805(A)	B.J.W. Berghorst & Sons	2" TYPE L COPPER, 2 SWT COUPLING, 2 SWT MALE ADAPTER	2,028.00
02/06/2026	188305	BEECHWOOD DRY CLEANERS	POWER DOLLARS	35.00
02/16/2026	141901(A)	BORDER STATES INDUSTRIES	CMAN - ULS2-350I SBMRSBL SPLC	880.54
02/20/2026	188409	BRENDA KOLE	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10002652	61.54
02/09/2026	141840(A)	BRICKLEY DELONG CP ACCOUNTANTS	AUDIT OF FINANCIAL STATEMENTS FOR THE YEAR ENDED 6/	824.00
02/06/2026	188306	Bunte Pharmacy	POWER DOLLARS	30.00
02/06/2026	188307	CALEB SIMPSON	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10000358	91.57
02/06/2026	188311	CHARGEPOINT, INC.	EV CHARGING STATIONS	2,496.00
02/09/2026	141842(A)	Community Restaurant	POWER DOLLARS	255.00
02/27/2026	188505	COMPAAAN DOOR & OPERATOR INC.	LABOR TO REPAIR OPENER ON DOOR #1	258.95
02/13/2026	188365	CONPOTO LLC	ANNUAL SETUP FEE	500.00
02/26/2026	141982(A)	CONSTELLATION NEWENERGY	NATURAL GAS USAGE 1/1/26 - 1/31/26	42,502.36
02/16/2026	141905(A)#	COOPERATIVE RESPONSE CENTER, INC.	BASE FEE, CRC LINK USER LICENSE, MULTISPEAK OMS INTE	523.94
02/20/2026	188415	COURTNEY PHILLIPS	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10002644	314.40
02/23/2026	141936(A)	CRESCENT ELECTRIC SUPPLY CO.,	RCL RAY 120V WET HT CBL, RAYCHEM MECHANICAL POWEI	436.91
02/20/2026	188417	CYNTHIA ALICEA	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10002651	161.36
02/20/2026	188418	DAWN HARSEVOORT	CLEAN ENERGY PROGRAM: 9151 BLUFF LAKE ST	300.00
02/06/2026	188315	DEBRUYN SEED COMPANY	POWER DOLLARS	80.00
02/02/2026	141808(A)	DEYOUNG IND. WASTE DISPOSAL	LANDFILL CHARGES - DECEMBER 2025	530.00
02/13/2026	188369	DISCOVERY COACHING SERVICES	COACHING SESSIONS FOR A. BOATRIGTH, B MULDER, J. PO	22,500.00
02/02/2026	141809(A)	Don's Flowers & Gifts	INTERIORSCAPING - BPW	61.50
02/09/2026	141846(A)	Don's Flowers & Gifts	POWER DOLLARS	90.00
02/16/2026	141906(A)	Don's Flowers & Gifts	INTERIORSCAPING - BPW	61.50
02/09/2026	141848(A)	DRIP COFFEE	POWER DOLLARS	165.00
02/20/2026	188419	DUTCH KLEEN	JANITORIAL SERVICE 1/15/26 - 2/15/26	1,350.00
02/20/2026	188420#	ECOLAYERS, INC.	TREEM/JIMAM HOSTING - FEBRUARY 2026	125.00
02/23/2026	141939(A)	EXTEND YOUR REACH	BPW BILL STUFFING AND MAILING FEBRUARY 2026	287.53
02/27/2026	142118(E)#	FIRST BANKCARD	CREDIT CARD ACCT THRU 2/27/26	6,472.44
02/09/2026	141853(A)	Frank's	POWER DOLLARS	365.00
02/13/2026	188372	GENESIS LOPEZ	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10002645	145.31
02/20/2026	188424	GRAPHIX EMBROIDERY	TEE BLACK, TEE CAROLINA BLUE, EMBROIDERY	64.90
02/20/2026	188429	HOLLAND BOARD OF PUBLIC WORKS	SAFETY SERVICES - 4TH QUARTER 2025	900.00
02/20/2026	188430	HOLLAND ELEC MOTOR & SUP LLC	REPAIR ELECTRIC MOTOR, INSPECT, CLEAN, TEST, DISASSE	825.00
02/09/2026	141856(A)	INTEGRITY BUSINESS SOLUTIONS	BILLING PAPER	224.96
02/09/2026	141857(A)	INTEGRITY LANDSCAPE MANAGEMENT LLC	SNOW PLOWING & SALT - VARIOUS BPW LOCATIONS DECEP	1,470.93
02/23/2026	141944(A)	INTERACTIVE STUDIO, LLC	BPW OFFICE RENOVATION - CIVIL SURVEY, CIVIL PLANNING	5,437.50
02/05/2026	141895(E)#	INVOICE CLOUD	JANUARY 2026 BILL PRESENTMENT & CREDIT CARD FEES	1,807.53
02/16/2026	141911(A)	John's Battery and Electric	BACKUP PARTS RILEY SUBSTATION	479.20
02/20/2026	188439	KATHY YOUNG	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10002641	158.10
02/06/2026	188323	KENDALL ELECTRIC INC.	CHECK GEN 188323 TOTAL FOR FUND 582:	411.57
02/13/2026	188377	KENDALL ELECTRIC INC.	CHECK GEN 188377 TOTAL FOR FUND 582:	564.42
02/27/2026	188515#	KENDALL ELECTRIC INC.	CHECK GEN 188515 TOTAL FOR FUND 582:	434.46
02/20/2026	188442	KEVIN HOEKSEMA	CLEAN ENERGY PROGRAM: APPLIANCE RECYCLING	75.00
02/27/2026	188517	KREGG SCHMIDT	UNIFORM REIMBURSEMENT - EMPLOYER COVERED	227.89
02/09/2026	141859(A)	LA CREME CREAMERY & CREPES	POWER DOLLARS	60.00
02/20/2026	188443	LAKEWOOD CONSTRUCTION	SER THRU 1/30/26 RE BPW ADDITION & RENOVATION	56,872.11
02/23/2026	141945(A)	LINDE GAS & EQUIPMENT INC.	CYLINDER RENT 12/20/25 - 1/20/26	341.80
02/06/2026	188325	LORNA LOU	POWER DOLLARS	30.00
02/09/2026	141861(A)#	MAIN STREET AUTO REPAIR	CHECK GEN 141861(A) TOTAL FOR FUND 582:	117.34
02/23/2026	141947(A)#	MAIN STREET AUTO REPAIR	CHECK GEN 141947(A) TOTAL FOR FUND 582:	115.07

02/20/2026	188446	MARIE HUNTER	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10002642	28.00
02/06/2026	188353	MEGAN GROTENHUIS	REFUND OF DEPOSIT ON FINAL ACCOUNT: 50017090-16	78.44
02/13/2026	188380	MELANIE & SHERWYN LAMER	REFUND OF OVERPAYMENT ON ACCOUNT: 10008138	1,911.55
02/20/2026	188449	MICHELLE BROWN	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10002656	101.00
02/20/2026	188450	MICHELLE CARPENTER	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10002646	682.73
02/20/2026	188451	MICHIGAN CAT	CHECK GEN 188451 TOTAL FOR FUND 582:	8,870.78
02/09/2026	141863(A)	MICHIGAN MUNICIPAL ELECTRIC ASSOC.	2026 MEMBERSHIP DUES	37,309.00
02/20/2026	188452#	MICHIGAN MUNICIPAL WC FUND	POLICY PREMIUM 7/1/25 - 7/1/26	4,634.32
02/06/2026	141834(A)#	MICHIGAN PUBLIC POWER AGENCY	PURCHASED POWER EXPENSE - 01/17/2025-01/23/2026	437,633.00
02/13/2026	141896(A)#	MICHIGAN PUBLIC POWER AGENCY	PURCHASED POWER & COMMITTEES - MONTHLY BILLING - F	1,615,448.73
02/20/2026	141927(A)#	MICHIGAN PUBLIC POWER AGENCY	PURCHASED POWER EXPENSE - 01/31/2025-02/06/2026	179,023.77
02/26/2026	141983(A)#	MICHIGAN PUBLIC POWER AGENCY	PURCHASED POWER EXPENSE - 02/07/2025-02/13/2026	376,049.67
02/13/2026	188382	MOISES CANTU	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10009343	148.50
02/20/2026	188460	NFRONT CONSULTING LLC	2025 IRP TASK ORDER 1 DECEMBER	34,390.00
02/27/2026	188522	NFRONT CONSULTING LLC	2025 IRP TASK ORDER 1 JANUARY	25,346.25
02/06/2026	188330	ODIN AMAYA	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10001125	100.81
02/13/2026	188383	OTTAWA COUNTY ROAD COMMISSION	PERMITS - HOLLAND LOCATION: PERRY STREET AND VARIOU	1,000.00
02/06/2026	188333	OUT OF THE BOX	POWER DOLLARS	310.00
02/06/2026	188334	PADNOS	RECYCLING PAYMENT	201.26
02/09/2026	141866(A)	PARADISE BOUND	POWER DOLLARS	95.00
02/20/2026	188462	PHILIP CELESTIN	CLEAN ENERGY PROGRAM: APPLIANCE RECYCLING	75.00
02/27/2026	188523	PITNEY BOWES GLOBAL FINANCIAL SER	SENDPRO C SERIES BILLING 12/30/25 - 3/29/26	150.80
02/16/2026	141917(A)	PKM CONSULTING, LLC	ELECTRICAL ENGINEERING	2,400.00
02/02/2026	141825(A)	POWER LINE SUPPLY	WIRE 4 SOL SD 110MIL POLY CU RISER 25LB	1,087.00
02/09/2026	141868(A)	POWER LINE SUPPLY	CHECK GEN 141868(A) TOTAL FOR FUND 582:	5,685.08
02/16/2026	141918(A)#	POWER LINE SUPPLY	CHECK GEN 141918(A) TOTAL FOR FUND 582:	3,515.93
02/23/2026	141952(A)	POWER LINE SUPPLY	CHECK GEN 141952(A) TOTAL FOR FUND 582:	6,583.14
02/02/2026	141826(A)	PURITY CYLINDER GASES, INC.	QUARTERLY CYLINDER RENT	78.29
02/13/2026	188387	REPUBLIC SERVICES #240	WASTE PICKUP - JANUARY 2026	1,060.32
02/20/2026	188467	ROBYN WINKLER	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10002643	19.51
02/06/2026	188339	RON WEBB	REFUND OF DEPOSIT ON FINAL ACCOUNT: 10011756	12.81
02/20/2026	188468	SANDRA DONZE	CLEAN ENERGY PROGRAM: APPLIANCE RECYCLING	75.00
02/28/2026	142153(E)#	SEMCO ENERGY GAS COMPANY	SERVICE 1/21/26 - 2/19/26	5,004.92
02/26/2026	141984(A)	SEMCO ENERGY, INC.	USAGE 1/1/26 - 1/31/26	6,046.49
02/27/2026	188529	SPARTAN STORES, LLC.	KETCHUP, MUSTARD, PURIFIED WATER	143.94
02/02/2026	141829(A)	SPRYPOINT SERVICES	IMPLEMENTATION PROGRESS PAYMENT - MILESTONES 49, €	6,900.00
02/23/2026	141955(A)	SPRYPOINT SERVICES	SPRYCIS, SPRYENGAGE, SPRYMOBILE, SPRYIDM, IMPLEMEN	14,692.82
02/13/2026	188392	STATE OF MICHIGAN	MONTHLY SALES TAX PAYMENT - JANUARY 2026	48,316.41
02/20/2026	188474	STATE OF MICHIGAN	ANNUAL AIR QUALITY FEE	5,765.00
02/09/2026	141877(A)	STREATS TACO KITCHEN	POWER DOLLARS	250.00
02/27/2026	188530	STUART C IRBY CO	15KV FAULT IND MOUNTING, PAD MOUNT GEAR 14400 VOLTI	42,338.00
02/09/2026	141879(A)	THE FARM HOUSE RESTAURANT	POWER DOLLARS	420.00
02/27/2026	188532	Tim Kehrwecker	UNIFORM ALLOWANCE REIMBURSEMENT	157.94
02/09/2026	141882(A)	TRIPEL ROOT	POWER DOLLARS	60.00
02/13/2026	188395	UNIFIRST CORPORATION	MATS, WIPERS, MOPS, AIR FRESHENER	182.79
02/20/2026	188480	UNIFIRST CORPORATION	MATS, WIPERS, MOPS, AIR FRESHENER	192.08
02/27/2026	188533	UNIFIRST CORPORATION	MATS, WIPERS, MOPS, AIR FRESHENER	192.08
02/09/2026	141884(A)	VEE'S GRILL & CONEY ISLAND	POWER DOLLARS	165.00
02/06/2026	188345	VITALE'S PIZZA	POWER DOLLARS	1,025.00
02/06/2026	188347	WESTENBROEK MOWER CENTER	CHECK GEN 188347 TOTAL FOR FUND 582:	14.98
02/02/2026	141831(A)	Western Michigan Fleet Parts	INTERNATIONAL CAB MARKER	63.35
02/23/2026	141959(A)	Western Tel-Com, Inc.	MAIN ST BACKHOE AND LABORER	1,800.00
02/09/2026	141887(A)	Westside Service Center Inc.	POWER DOLLARS	20.00
02/09/2026	141888(A)	WHEELER WORLD INC	DIAPHRAGM ASSEMBLY	1,049.64
02/06/2026	188348	Woody's Small Eng. Repair	SNOW BLOWER PARTS - T117-9145 CABLE, SPRING COVER,	79.86
02/23/2026	141961(A)	YELLOW LIME CREATIVE	MONTHLY FIXED AMOUNT, CREATIVE SERVICES PRE-APPRO	17,958.32
02/09/2026	141892(A)	ZEELAND ACE HARDWARE	POWER DOLLARS	300.00
02/06/2026	188349	ZEELAND BAKERY	POWER DOLLARS	120.00
02/20/2026	188484	ZEELAND BAKERY	CHECK GEN 188484 TOTAL FOR FUND 582:	435.00
02/20/2026	188485#	Zeeland BPW	BPW UTILITIES STATEMENT DUE 2/20/26	1,394.29
02/27/2026	188537	ZEELAND FESTIVALS INC.	2026 SPONSORSHIPS, SHOW & SHINE CAR SHOW, ZEELMAI	3,000.00
02/13/2026	188400	ZEELAND LUMBER AND SUPPLY	OSB716 - OSB 7/16X4X8	26.71
02/06/2026	188350#	ZEELAND PUBLIC SCHOOLS	DECEMBER FUEL CHARGES - BPW	1,560.80
02/20/2026	188488#	ZEELAND PUBLIC SCHOOLS	JANUARY FUEL CHARGES - BPW	1,274.81
			Total for fund 582 ELECTRIC UTILITY FUND	\$ 3,062,133.50

#-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE DEPARTMENT

FUND 591 - WATER
CHECK DATE FROM 02/01/2026 - 02/28/2026

Check Date	Check #	Payee	Description	Amount
02/02/2026	141804(A)#	ACE HARDWARE	CHECK GEN 141804(A) TOTAL FOR FUND 591:	17.98
02/09/2026	141835(A)#	ACE HARDWARE	CHECK GEN 141835(A) TOTAL FOR FUND 591:	73.93
02/16/2026	141897(A)	ACE HARDWARE	NAILS BOLTS AND SCREWS	8.88
02/09/2026	141836(A)	ACTION INDUSTRIAL SUPPLY CO.	CHECK GEN 141836(A) TOTAL FOR FUND 591:	391.96
02/23/2026	141931(A)	AD BOS OFFICE COFFEE SERVICE	CHECK GEN 141931(A) TOTAL FOR FUND 591:	39.59
02/20/2026	188403	ADVANCE AUTO PARTS	CHECK GEN 188403 TOTAL FOR FUND 591:	8.80
02/09/2026	141840(A)	BRICKLEY DELONG CP ACCOUNTANTS	AUDIT OF FINANCIAL STATEMENTS FOR THE YEAR ENDED 6/	275.00
02/06/2026	188352	CHRISTY WETHERELL	REFUND OF DEPOSIT ON FINAL ACCOUNT: 50240432-03	7.06
02/16/2026	141905(A)	COOPERATIVE RESPONSE CENTER, INC.	BASE FEE, CRC LINK USER LICENSE, MULTISPEAK OMS INTE	341.94
02/13/2026	188369	DISCOVERY COACHING SERVICES	COACHING SESSIONS FOR A. BOATRIGTH, B MULDER, J. PO	7,500.00
02/02/2026	141809(A)	Don's Flowers & Gifts	INTERIORSCAPING - BPW	20.50
02/16/2026	141906(A)	Don's Flowers & Gifts	INTERIORSCAPING - BPW	20.50
02/20/2026	188419	DUTCH KLEEN	JANITORIAL SERVICE 1/15/26 - 2/15/26	450.00
02/09/2026	141849(A)	ETNA SUPPLY INC.	CHECK GEN 141849(A) TOTAL FOR FUND 591:	9,452.20
02/23/2026	141939(A)	EXTEND YOUR REACH	BPW BILL STUFFING AND MAILING FEBRUARY 2026	143.77
02/27/2026	142118(E)#	FIRST BANKCARD	CREDIT CARD ACCT THRU 2/27/26	2,698.97
02/20/2026	188424	GRAPHIX EMBROIDERY	CHECK GEN 188424 TOTAL FOR FUND 591:	156.00
02/20/2026	188425	GREAT LAKES ENERGY	SERVICE FROM 1/10/26 - 2/7/26	100.90
02/01/2026	141729(E)#	HOLLAND BOARD OF PUBLIC WORKS	WATER/COMMUNICATIONS DECEMBER 2025 USAGE	257,279.48
02/20/2026	188429#	HOLLAND BOARD OF PUBLIC WORKS	CHECK GEN 188429 TOTAL FOR FUND 591:	900.00
02/09/2026	141856(A)	INTEGRITY BUSINESS SOLUTIONS	BILLING PAPER	112.49
02/09/2026	141857(A)	INTEGRITY LANDSCAPE MANAGEMENT LLC	SNOW PLOWING & SALT - VARIOUS BPW LOCATIONS DECE	334.69
02/23/2026	141944(A)	INTERACTIVE STUDIO, LLC	BPW OFFICE RENOVATION - CIVIL SURVEY, CIVIL PLANNING	1,812.50
02/05/2026	141895(E)#	INVOICE CLOUD	JANUARY 2026 BILL PRESENTMENT & CREDIT CARD FEES	897.51
02/13/2026	188376	JAMES A. DONKERSLOOT	CITY LEGAL FEES - JANUARY 2026	43.00
02/20/2026	188443	LAKWOOD CONSTRUCTION	SER THRU 1/30/26 RE BPW ADDITION & RENOVATION	18,957.37
02/09/2026	141861(A)	MAIN STREET AUTO REPAIR	FULL SERVICE OIL CHANGE VEHICLE #557	16.39
02/23/2026	141947(A)	MAIN STREET AUTO REPAIR	FULL SERVICE OIL CHANGE FOR METER TRUCK #556	15.64
02/23/2026	141949(A)	MAST HEATING & COOLING	COMMERCIAL SERVICE AGREEMENT - HEATING & COOLING	506.00
02/20/2026	188452#	MICHIGAN MUNICIPAL WC FUND	POLICY PREMIUM 7/1/25 - 7/1/26	2,139.88
02/09/2026	141865(A)	MOORE & BRUGGINK	SERVICES 12/11/25 - 1/16/26 - CARLTON BOOSTER STATION	10,114.15
02/06/2026	188334	PADNOS	RECYCLING PAYMENT	67.09
02/27/2026	188523	PITNEY BOWES GLOBAL FINANCIAL SER	SENDPRO C SERIES BILLING 12/30/25 - 3/29/26	50.26
02/13/2026	188387	REPUBLIC SERVICES #240	WASTE PICKUP - JANUARY 2026	353.44
02/28/2026	142153(E)#	SEMCO ENERGY GAS COMPANY	SERVICE 1/21/26 - 2/19/26	1,655.73
02/02/2026	141829(A)	SPRYPOINT SERVICES	IMPLEMENTATION PROGRESS PAYMENT - MILESTONES 49, €	2,300.00
02/23/2026	141955(A)	SPRYPOINT SERVICES	SPRYCIS, SPRYENGAGE, SPRYMOBILE, SPRYIDM, IMPLEMEN	4,897.61
02/13/2026	188395	UNIFIRST CORPORATION	MATS, WIPERS, MOPS, AIR FRESHENER	37.30
02/20/2026	188480	UNIFIRST CORPORATION	MATS, WIPERS, MOPS, AIR FRESHENER	39.44
02/27/2026	188533	UNIFIRST CORPORATION	MATS, WIPERS, MOPS, AIR FRESHENER	39.44
02/16/2026	141921(A)	USA Blue Book	SCHONSTEDT GA-52CX MAGNETIC LOCATOR	1,273.28
02/02/2026	141830(A)	VAN DER KOLK PLUMBING LLC	WATER SERVICE REPLACEMENT AT 221 W MAIN	3,858.38
02/09/2026	141883(A)	VAN DER KOLK PLUMBING LLC	METER CHANGE OUT & ADDED VALVE AT MILLER KNOLL	750.00
02/09/2026	141883(A)	VAN DER KOLK PLUMBING LLC	REPLACED WATER METERS AND REPLUMBED DEDUCT METE	1,425.00
02/06/2026	188347	WESTENBROEK MOWER CENTER	CHECK GEN 188347 TOTAL FOR FUND 591:	5.00
02/09/2026	141889(A)	Windemuller Electric Inc.	CHECK GEN 141889(A) TOTAL FOR FUND 591:	5,040.00
02/06/2026	188348	Woody's Small Eng. Repair	SNOW BLOWER PARTS - T117-9145 CABLE, SPRING COVER,	26.62
02/23/2026	141961(A)	YELLOW LIME CREATIVE	MONTHLY FIXED AMOUNT, CREATIVE SERVICES PRE-APPRO	3,558.93
02/20/2026	188485#	Zeeland BPW	BPW UTILITIES STATEMENT DUE 2/20/26	11,897.15
02/27/2026	188537	ZEELAND FESTIVALS INC.	2026 SPONSORSHIPS, SHOW & SHINE CAR SHOW, ZEELMAI	1,000.00
02/13/2026	188400	ZEELAND LUMBER AND SUPPLY	OSB716 - OSB 7/16X4X8	8.90
02/06/2026	188350#	ZEELAND PUBLIC SCHOOLS	DECEMBER FUEL CHARGES - BPW	268.05
02/20/2026	188488#	ZEELAND PUBLIC SCHOOLS	JANUARY FUEL CHARGES - BPW	296.42
Total for fund 591 WATER UTILITY FUND				\$ 353,685.12

#-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE DEPARTMENT

**BOARD OF PUBLIC WORKS
SUMMARY OF CASH POSITION**

Cash and Investments as of :	February 28, 2026	
	<u>Electric</u>	<u>Water</u>
Receiving	\$ 3,666,273	\$ 472,180
Accumulated Debt Service (in Receiving Fund)	-	-
Plant Improvements and Contingencies	12,962,954	13,832,886
Bond and Interest Payment Reserve*	-	-
Totals	<u>\$ 16,629,227</u>	<u>\$ 14,305,066</u>

* Reserve required per electric and water revenue bond ordinances.

Recommended Transfers for the Month:	February-26	
	<u>Electric</u>	<u>Water</u>
Receiving	(57,645)	-
Accumulated Debt Service	-	-
Plant Improvements and Contingency	-	-
General Fund (per charter provision)	57,645	-

Notes on Recommended Transfers:

1 The annual operating transfer for FY 25-26 from the Electric Fund to the General Fund is a combination of 1% of net fixed assets as of June 30, 2024 and 1% of gross sales, less sales tax, for the year ended June 30, 2024, less any franchise payments. The annual operating transfer is divided into twelve monthly payments.

2 Assumed carrying amounts (minimum) in Receiving accounts are established at approximately 10% of budgeted operating expenses, before depreciation.

Electric = 10% of \$ 37,423,451 or approximately \$ 3,742,345

Water = 10% of \$ 4,721,757 or approximately \$ 472,176

3 Further surpluses of \$131,300 in the Water Fund are recommended for transfer to the Plant Improvements and Contingencies Reserve.

TO: Chairperson Boerman and Members of the Board of Public Works
FROM: Kevin Plockmeyer, ACM of Infrastructure/City Services and Finance
SUBJECT: Accounting, Finance & Customer Service Update
DATE: April 9, 2026

February 2026 Customer Metrics

- Overdue/Disconnect Notices = 223
- Active Accounts = 8,002
- Total Bills Sent = 8,034
- Paperless Bills = 2,783
- Pre-Authorized Payment Customers = 2,258
- Invoice Cloud = 3,132
 - Credit Card = 2,351
 - EFT = 781

January 2026 Customer Metrics

- Overdue/Disconnect Notices = 203
- Active Accounts = 8,006
- Total Bills Sent = 8,043
- Paperless Bills = 2,692
- Pre-Authorized Payment Customers = 2,219
- Invoice Cloud = 3,087
 - Credit Card = 2,296
 - EFT = 791

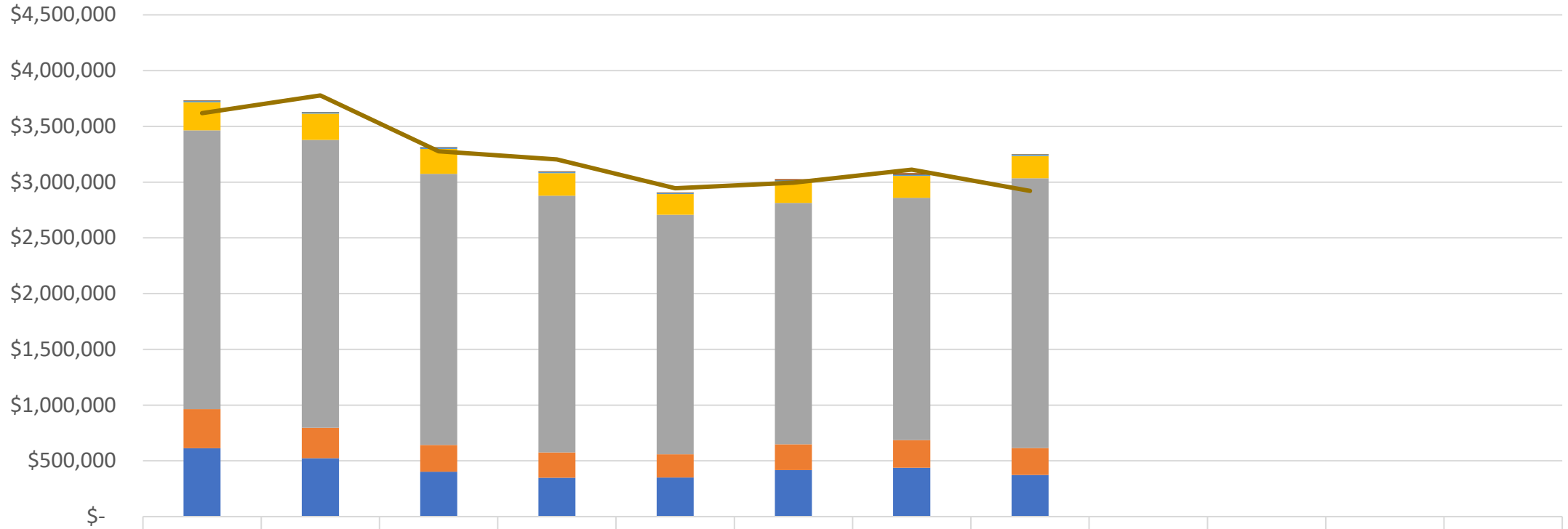
C&I Electric Meter Read Dates – We completed our “soft” transition of our C&I accounts from the 20th of the month billing cycle to the end of the month. During the month of March, we transitioned our City and BPW accounts without any unexpected consequences. We will continue to transition our remaining customers over the next couple of months, with the goal of having all customers transitioned by the end of the fiscal year.

MPPA Working Capital – As we have shared with the Board, power supply costs continue to rise, which is creating the need for additional working capital at MPPA. This working capital is used to provide cash for the Energy Services Project (power supply contracts with wholesale energy markets) at MPPA. In the month of February, we were required to contribute an additional \$253,028.89 in working capital to MPPA. While there is not much we can do about this contribution, as it is formula-driven and a requirement for participation in the project, we wanted to make the Board aware of the increase. Since January 2025, the amount of working capital on hand at MPPA has increased from \$2,536,089 to \$3,472,252 at the end of February.

Fiscal Year 2027 Budget Follow-up – The management team had the opportunity to present the Fiscal Year 2027 budget to City Council on Monday, March 30. Overall, City Council was pleased with the work of the BPW and the budget that was presented and did not request any changes. Regarding the budget, we also had the opportunity to speak with Dawn Lund from UFS about the Fiscal Year 2027 Water Budget. We were able to reconcile our numbers, and she expressed a high level of comfort with our budget and proposed rate increase track. We were pleased with the feedback provided by Dawn and do not propose any modifications to water rates at this time.

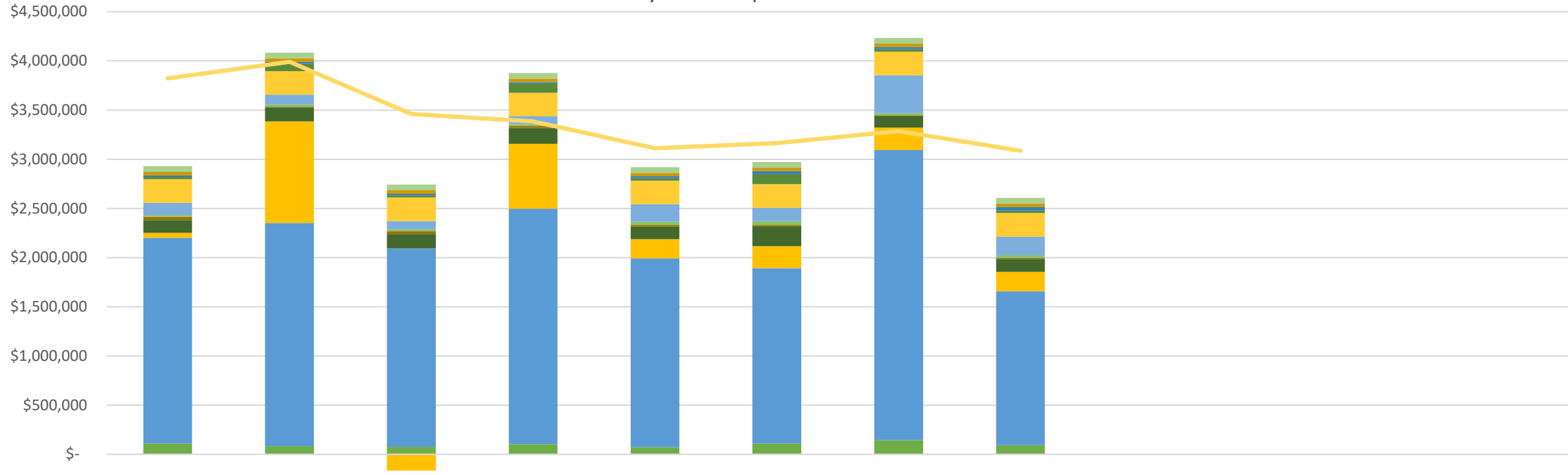
UFS is still working through the Electric Budget but, at first glance, did not identify any red flags. We will continue to update the Board on any future feedback from UFS.

Electric Utility Fund Operating Revenue



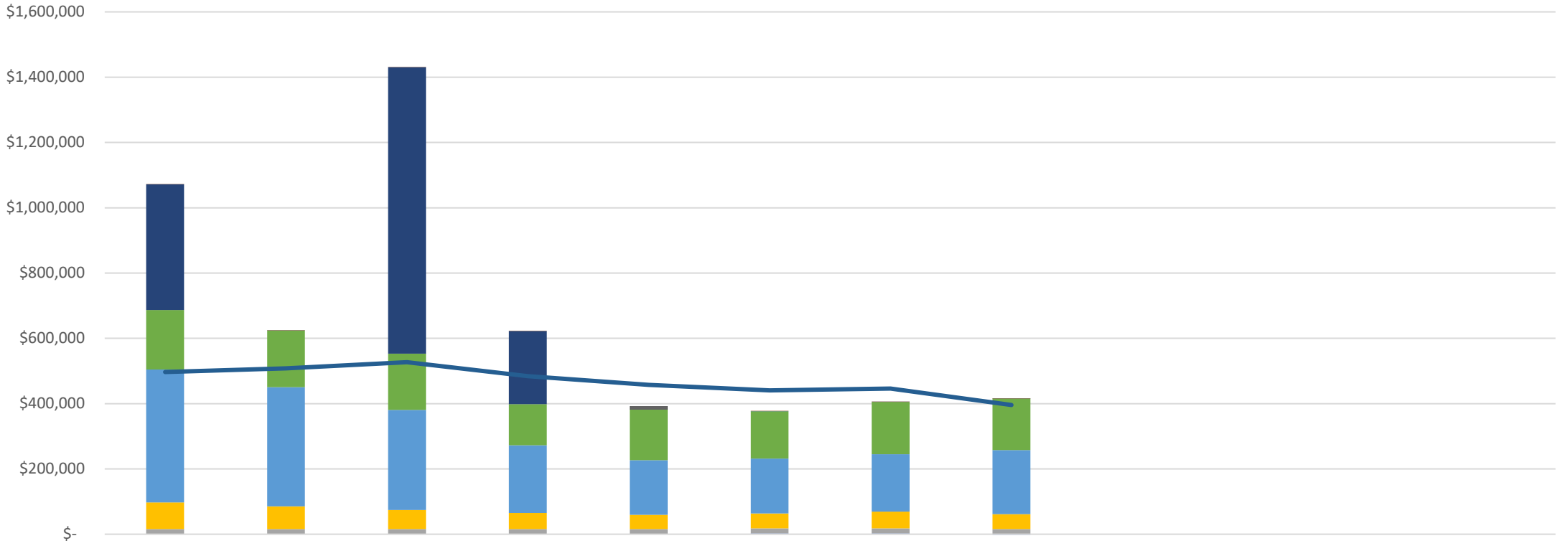
	July	August	September	October	November	December	January	February	March	April	May	June
Other Revenue	\$2,656	\$2,363	\$1,762	\$5,506	\$2,460	\$10,963	\$12,655	\$1,900				
Interest/Penalties	\$1,002	\$1,308	\$4,576	\$1,841	\$41	\$597	\$2,992	\$1,583				
Charging Stations	\$129	\$117	\$137	\$161	\$161	\$125	\$91	\$126				
Street Lights	\$10,280	\$10,216	\$10,225	\$10,211	\$10,263	\$10,252	\$10,514	\$10,377				
Public Sales	\$251,557	\$235,101	\$223,291	\$201,783	\$186,366	\$191,509	\$196,229	\$199,936				
Industrial Sales	\$2,500,832	\$2,581,464	\$2,431,637	\$2,301,315	\$2,147,650	\$2,165,224	\$2,171,740	\$2,420,139				
Commerical Sales	\$350,200	\$272,069	\$239,455	\$227,934	\$208,722	\$230,645	\$248,984	\$240,650				
Residential Sales	\$613,673	\$524,917	\$403,404	\$349,130	\$351,052	\$417,542	\$437,925	\$374,742				
TOTAL OPERATING REVENUE	\$3,730,330	\$3,627,556	\$3,314,487	\$3,097,882	\$2,906,715	\$3,026,856	\$3,081,129	\$3,249,454	\$-	\$-	\$-	\$-
Revenue Budget	\$3,618,860	\$3,777,348	\$3,275,780	\$3,203,801	\$2,945,963	\$2,995,638	\$3,111,125	\$2,921,210				

Electric Utility Fund Expenditures



	July	August	September	October	November	December	January	February	March	April	May	June
General Fund Transfer	\$57,645	\$57,645	\$57,645	\$57,645	\$57,645	\$57,645	\$57,645	\$57,645				
Insurance & Bonds	\$35,307	\$35,307	\$35,307	\$35,307	\$35,307	\$35,307	\$35,307	\$35,307				
Buildings & Grounds	\$15,750	\$17,989	\$17,731	\$16,639	\$17,885	\$29,793	\$19,413	\$35,109				
Clean Energy Program	\$24,167	\$75,780	\$20,109	\$91,703	\$27,069	\$103,476	\$27,950	\$25,774				
Depreciation	\$239,277	\$239,277	\$239,277	\$239,277	\$239,277	\$239,277	\$239,277	\$239,277				
Administration	\$125,252	\$102,109	\$83,948	\$81,828	\$178,630	\$135,528	\$386,384	\$189,283				
Accounting	\$17,778	\$20,016	\$20,840	\$17,690	\$32,657	\$39,121	\$24,524	\$26,654				
Meters & Substations	\$32,080	\$6,734	\$28,589	\$20,353	\$17,346	\$14,060	\$5,996	\$9,437				
Street Lights & Signals	\$1,850	\$965	\$77	\$312	\$128	\$(120)	\$728	\$1,272				
Utility Lines	\$128,549	\$142,349	\$145,321	\$159,034	\$126,147	\$201,387	\$114,131	\$131,037				
Transmission	\$51,582	\$1,032,164	\$(166,375)	\$659,493	\$194,916	\$225,232	\$228,229	\$197,320				
Interchange Power	\$2,089,785	\$2,269,887	\$2,017,609	\$2,394,560	\$1,920,541	\$1,782,159	\$2,949,188	\$1,567,317				
Power Production	\$110,242	\$83,039	\$75,426	\$103,248	\$72,224	\$109,192	\$144,964	\$90,964				
Fringe Benefits					\$1,281							
Expense Budget	\$3,823,112	\$3,990,545	\$3,460,668	\$3,384,627	\$3,112,236	\$3,164,715	\$3,286,720	\$3,086,086				
TOTAL EXPENSES	\$2,929,262	\$4,083,260	\$2,575,502	\$3,877,087	\$2,921,053	\$2,972,058	\$4,233,734	\$2,606,397	\$-	\$-	\$-	\$-

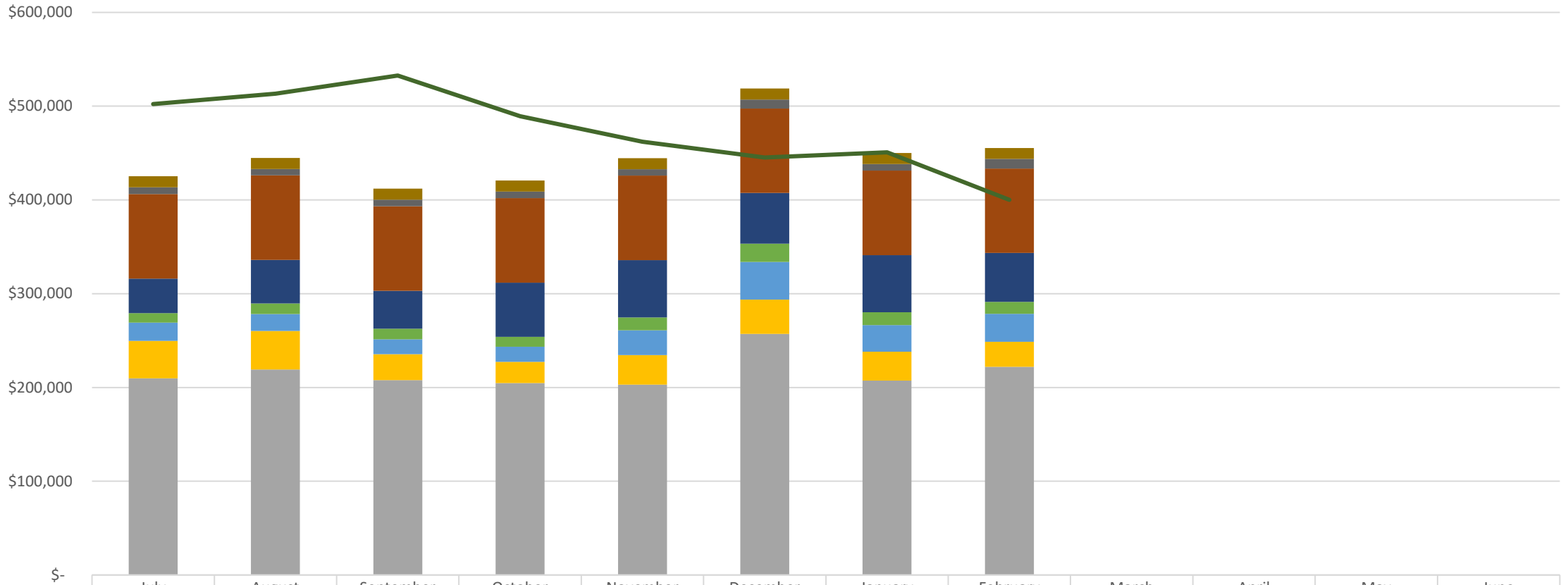
Water Fund Operating Revenues



\$(200,000)

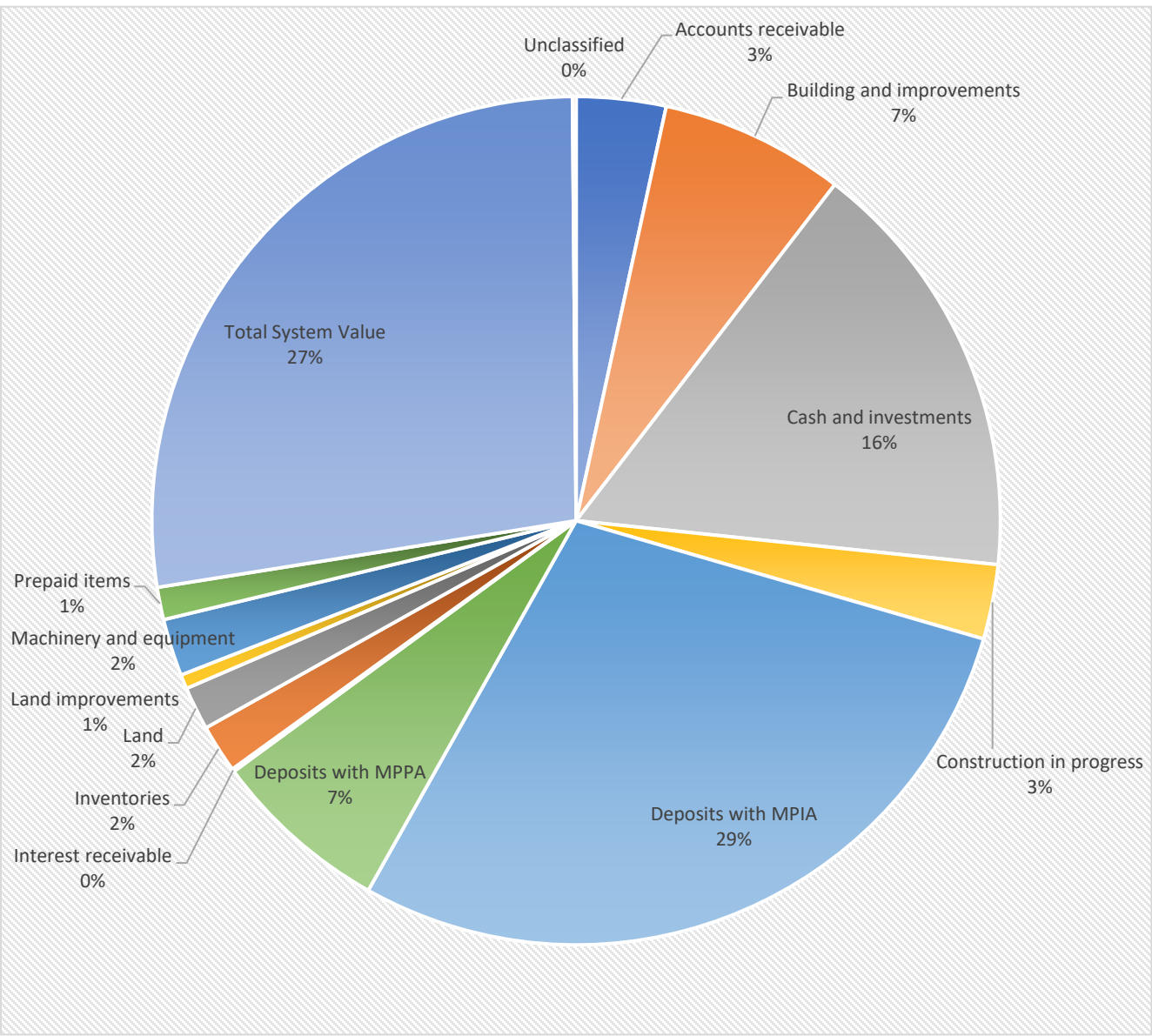
	July	August	September	October	November	December	January	February	March	April	May	June
Scrap Revenue	\$-	\$-	\$-	\$-	\$8,832	\$-	\$-	\$-				
New Service Fee	\$70	\$40	\$60	\$30	\$30	\$10	\$40	\$30				
Other Revenue	\$384,997	\$75	\$877,609	\$224,098	\$620	\$315	\$215	\$220				
Contractual Sales	\$182,628	\$173,757	\$171,791	\$126,231	\$155,556	\$145,053	\$160,296	\$158,079				
Commercial Sales	\$406,650	\$365,123	\$306,870	\$207,495	\$167,857	\$168,134	\$175,777	\$196,374				
Residential Sales	\$81,868	\$69,343	\$58,271	\$49,084	\$43,360	\$45,525	\$51,146	\$45,665				
Fire Protection	\$15,574	\$15,942	\$15,574	\$15,761	\$15,761	\$15,761	\$15,668	\$15,641				
Interest & Penalties	\$190	\$186	\$383	\$158	\$5	\$2,399	\$2,478	\$(1,959)				
TOTAL OPERATING REVENUE	\$1,071,977	\$624,466	\$1,430,558	\$622,857	\$392,021	\$377,197	\$405,621	\$414,051	\$-	\$-	\$-	\$-
Revenue Budget	\$496,978	\$507,820	\$526,985	\$484,160	\$457,148	\$440,532	\$446,034	\$395,850				

Water Fund Expenditures



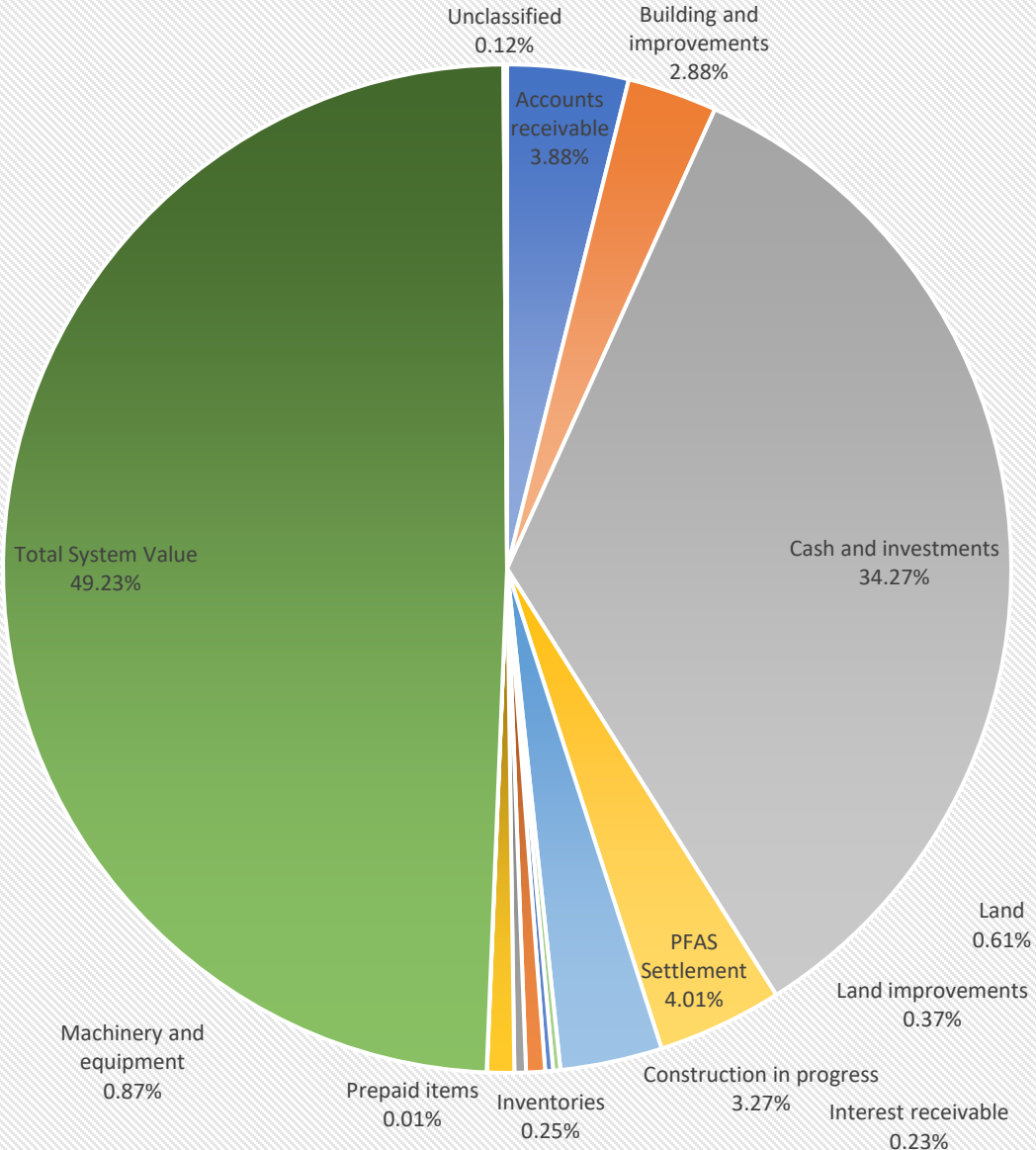
	July	August	September	October	November	December	January	February	March	April	May	June
Insurance & Bonds	\$11,769	\$11,769	\$11,769	\$11,769	\$11,769	\$11,769	\$11,769	\$11,769				
Buildings & Grounds	\$7,126	\$6,814	\$7,164	\$7,160	\$6,763	\$9,490	\$6,945	\$10,125				
Depreciation	\$90,181	\$90,181	\$90,181	\$90,181	\$90,181	\$90,181	\$90,181	\$90,181				
Administration	\$36,968	\$46,341	\$40,350	\$57,722	\$61,189	\$54,066	\$60,815	\$51,998				
Accounting	\$10,029	\$11,334	\$11,357	\$10,515	\$13,819	\$19,496	\$13,697	\$12,912				
Transmission	\$19,423	\$18,221	\$15,763	\$16,206	\$26,431	\$40,162	\$28,492	\$29,678				
Pumping	\$40,017	\$40,951	\$27,623	\$22,559	\$31,472	\$36,405	\$30,759	\$26,651				
Source of Supply	\$209,704	\$219,231	\$207,911	\$204,664	\$202,704	\$257,244	\$207,299	\$222,151				
Fringe Benefits	\$-	\$-	\$-	\$-	\$301	\$-	\$-	\$-				
TOTAL EXPENSES	\$425,217	\$444,843	\$412,118	\$420,777	\$444,629	\$518,813	\$449,956	\$455,464	\$-	\$-	\$-	\$-
Expense Budget	\$502,343	\$513,302	\$532,673	\$489,387	\$462,083	\$445,288	\$450,849	\$400,123				

Electric Assets



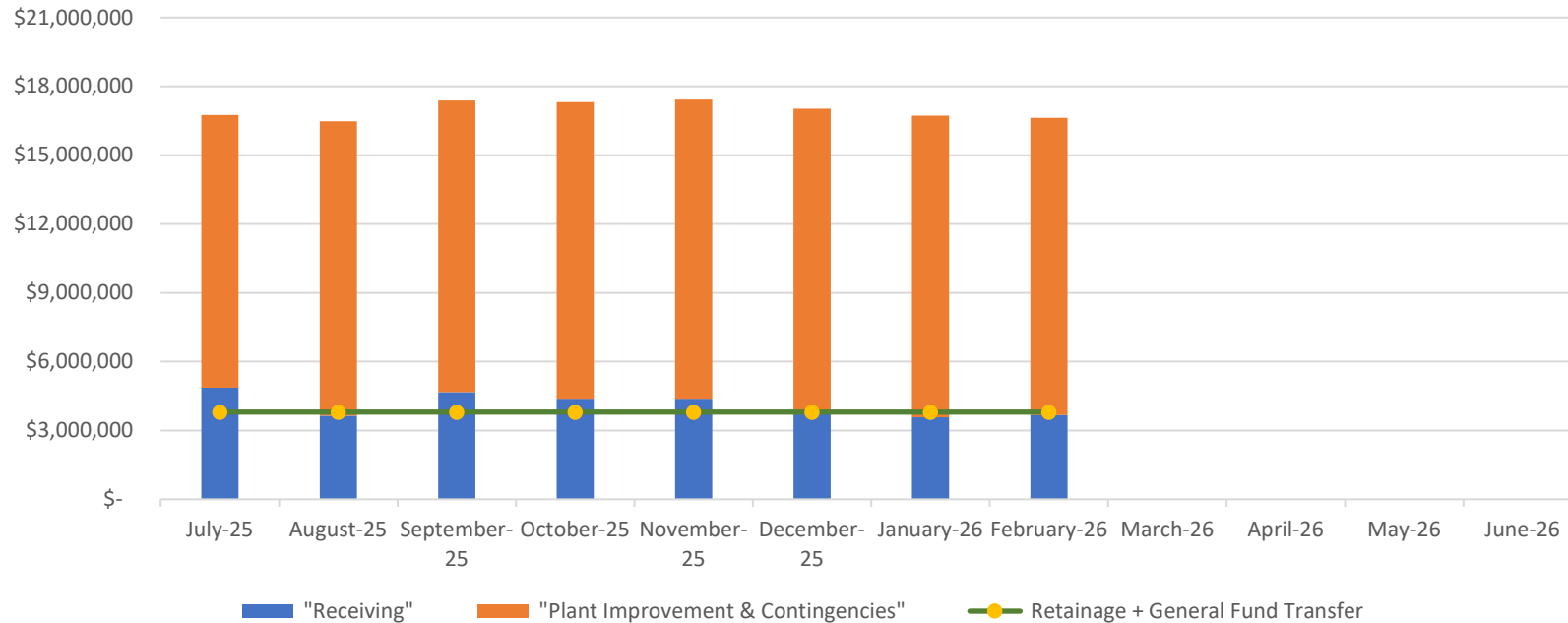
	February 2026	January 2026
Accounts receivable	\$ 3,496,566.42	\$ 3,499,054.41
Building and improvements	\$ 7,207,970.53	\$ 7,207,970.53
Cash and investments	\$ 16,629,227.28	\$ 16,725,064.07
Construction in progress	\$ 2,915,077.05	\$ 2,729,152.10
Deposits with MPIA	\$ 29,377,658.07	\$ 29,065,266.94
Deposits with MPPA	\$ 6,953,908.65	\$ 6,659,958.09
Interest receivable	\$ 111,543.92	\$ 111,543.92
Inventories	\$ 1,884,635.47	\$ 1,817,354.73
Land	\$ 1,691,050.33	\$ 1,691,050.33
Land improvements	\$ 558,008.28	\$ 558,008.28
Machinery and equipment	\$ 2,234,825.34	\$ 2,234,825.34
Prepaid items	\$ 1,264,575.02	\$ 1,301,859.75
Total System Value	\$ 28,073,245.02	\$ 28,312,521.66
Unclassified	\$ 141,615.00	\$ 141,615.00
TOTAL ASSETS	\$ 102,539,906.38	\$ 102,055,245.15

Water Assets



	February 2026	January 2026
Accounts receivable	\$ 1,451,412.81	\$ 1,616,332.98
Building and improvements	\$ 1,076,174.14	\$ 1,076,174.14
Cash and investments	\$ 12,806,998.78	\$ 12,653,231.93
PFAS Settlement	\$ 1,498,067.92	\$ 1,493,876.12
Construction in progress	\$ 1,221,332.73	\$ 1,151,763.37
Interest receivable	\$ 87,403.63	\$ 87,403.63
Inventories	\$ 94,004.84	\$ 94,004.84
Land	\$ 226,432.58	\$ 226,432.58
Land improvements	\$ 137,717.72	\$ 137,717.72
Machinery and equipment	\$ 325,301.71	\$ 325,301.71
Prepaid items	\$ 3,297.61	\$ 2,271.06
Total System Value	\$ 18,399,911.37	\$ 18,490,092.07
Unclassified	\$ 43,666.00	\$ 43,666.00
TOTAL ASSETS	\$ 37,371,721.84	\$ 37,398,268.15

Electric Fund Total Cash



Electric Total Cash
\$ 16,629,227

Receiving Account - \$3,666,273
Plant Improvement & Contingencies -
\$12,962,954

FY 2026 Retainage = \$3,742,345
~10% of budgeted operating expenses,
before depreciation.



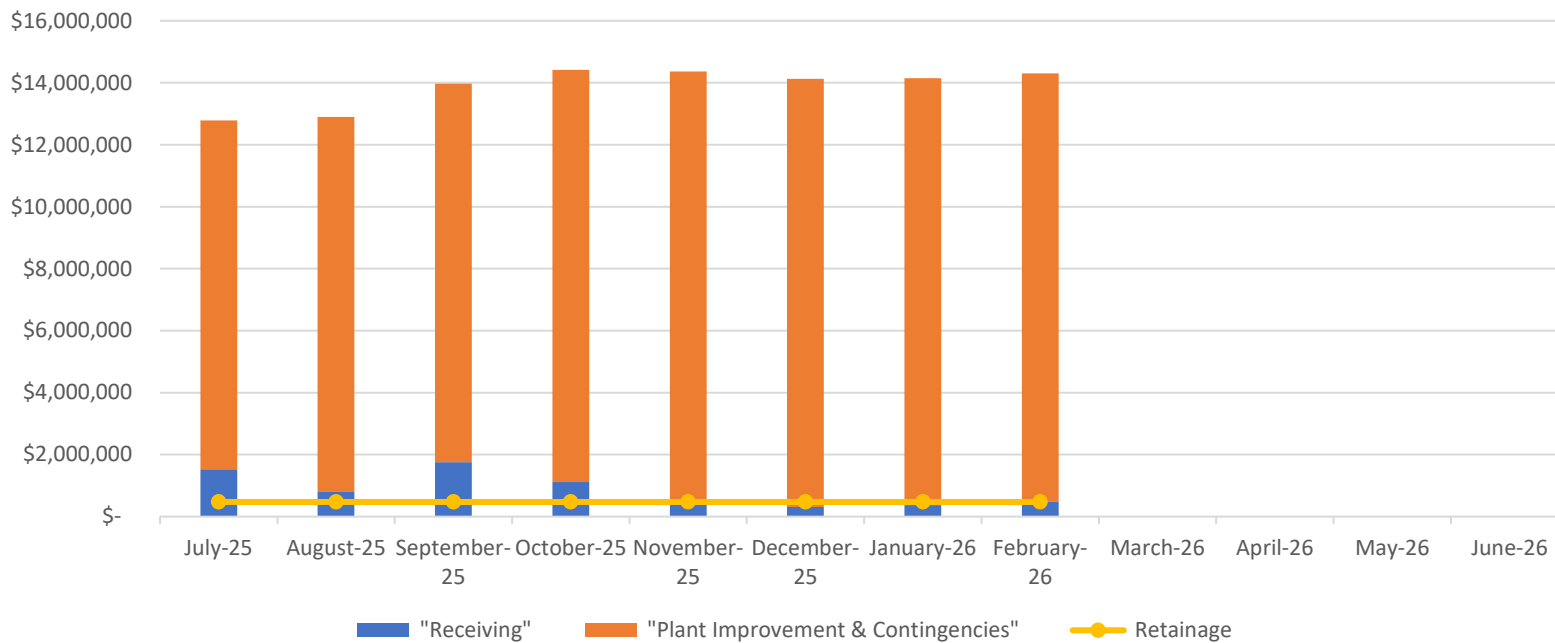
Electric Cash Usage - \$95,837

Beginning Balance - \$16,725,064

Operating Gain	\$1,089,657 (Increases Cash)
Depreciation	\$239,277 (Non-Cash Component of Operating Income, Add to Cash)
Change in A/P	(\$604,996) (Decreases Cash)
Change in A/R	\$2,488 (Increases Cash)
Change in Inventory	(\$29,996) (Decreases Cash)
Capital Assets	(\$185,925) (Purchases of Capital Assets Decreases Cash)
MPPA/MPIA	(\$606,342) (Non-Cash Component of Operating Gain, Decreases Cash)

Ending Balance - \$16,629,227

Water Fund Total Cash



Water Total Cash

\$14,305,066

Receiving Account - \$472,180

Plant Improvement & Contingencies -
\$13,832,886

FY 2026 Retainage = \$472,176

~10% of budgeted operating expenses,
before depreciation.



Water Cash Increase - \$157,959

Beginning Balance - \$14,147,108

Operating Loss	(\$1,887) (Decreases Cash)
Depreciation	\$90,181 (Non-Cash Component of Operating Income, Add to Cash)
Change in A/P	(\$24,659) (Decreases Cash)
Change in A/R	\$164,920 (Increases Cash)
Change in Inventory	(\$1,027) (Decreases Cash)
Capital Assets	(\$69,569) (Purchases of Capital Assets Decreases Cash)

Ending Balance - \$14,305,067

WATER DEPARTMENT REPORT (February Usage)

Monthly Board Meeting 4/14/2026

<u>WHOLESALE PURCHASES</u>	<u>Feb 2026</u>		<u>Feb 2025</u>		<u>PERCENT CHANGE</u>
AMOUNT PURCHASED	139,150,000	GAL	134,440,000	GAL	3.5%
TOTAL PAYMENT	\$222,150.64		\$212,350.69		4.6%
UNIT COST (1000 GALLONS)	\$1.5965		\$1.5795		1.1%
<u>MONTHLY INFORMATION</u>					
TOTAL AMOUNT PURCHASED (Gal)-(2/1/26-2/28/26)	139,150,000	GAL	134,440,000	GAL	3.5%
TOTAL AMOUNT SOLD (Gal)	133,722,956	GAL	133,391,588	GAL	0.2%
MONTHLY SYSTEM LOSSES (Gal)	5,427,044	GAL	1,048,412	GAL	N/A
MONTHLY SYSTEM LOSSES (%)	3.90%		0.78%		N/A
RATE PURCHASED - RATE SOLD = ROI (1000 GAL)	\$0.74		\$0.53		39.9%
AVERAGE MONTHLY RETAIL UNIT RATE (1000 Gal)	\$2.31		\$2.23		3.7%
AVERAGE MONTHLY CONTRACT UNIT RATE (1000 Gal)	\$2.36		\$1.99		18.8%
<u>WATER SOLD</u>					
*RESIDENTIAL	7,673,732	GAL	7,626,608	GAL	0.6%
COMMERCIAL/INDUSTRIAL	59,165,304	GAL	61,614,256	GAL	-4.0%
CONTRACTUAL SALES-(2/1/26-2/28/26)	66,883,920	GAL	64,150,724	GAL	4.3%
TOTAL SALES	133,722,956	GAL	133,391,588	GAL	0.2%
<u>CHARGES FOR SERVICES</u>					
RESIDENTIAL	\$17,748.07		\$16,925.36		4.9%
COMMERCIAL/INDUSTRIAL	\$136,839.54		\$137,268.92		-0.3%
INDUSTRIAL SALES - CONTRACTUAL	\$158,079.41		\$127,751.25		23.7%
FIRE PROTECTION	\$15,641.25		\$15,554.25		0.6%
READINESS TO SERVE	\$60,200.57		\$57,517.57		4.7%
MISC CHARGES (Overdue Int)	\$0.00		\$0.00		N/A
TOTAL CHARGES	\$388,508.84		\$355,017.35		9.4%
<u>CUMULATIVE FOR FISCAL YEAR</u>					
PUMPING STATION DISCHARGE- Start July 1,2025	1,489,300,000	GAL	1,412,490,000	GAL	5.4%
AMOUNT SOLD	1,482,440,549	GAL	1,436,198,148	GAL	3.2%
SYSTEM LOSSES	6,859,451	GAL	-23,708,148	GAL	N/A
SYSTEM LOSSES (PERCENT)	0.5%		-1.7%		N/A
TOTAL CHARGES FOR SERVICES	\$3,805,242.59		\$3,589,378.66		6.0%
AVERAGE RATE PER 1000 GAL SOLD(combined with all service charges)					
<u>PEAK DAY</u>					
MONTH - 2/4/2026 (2/6/2025)	5.57	MGD	5.50	MGD	
FISCAL YEAR-TO-DATE - 07/29/2025 (08/28/2024)	11.56	MGD	9.88	MGD	

TO: Chairperson Boerman and Members of the Board of Public Works

FROM: Jason Postma, Water Operations Manager

SUBJECT: Water Department On-Going Projects Update

DATE: March 27, 2026

Meter Replacement Program-

- Total Water Meters- 3,031
 - AMI Water Meters-2,696 (89%)
 - Radio Read Water Meters-103 (3.5%)
 - Touch Read Water Meters-230 (7.9%)
 - 99.9% of all large diameter meters are replaced
 - 1 remaining out of 212 large diameter meters to replace. (On Galv Service)

Galvanized Service line Replacement Program-

- Replaced (14) GSL in 2026 (Replaced (111) GSL in 2025)
- Replaced (12) GSL in March
- Replaced (871) GSL since June 18, 2018, when New EGLE Requirements were Implemented.
- Approximately (134) total GSLR still needs replacing.

Other Work Projects-

- Logan Estates Meter Replacement began (approximately 378 meters) (173 replaced) (45%)
- Church St. Reconstruction Construction continues north
- SCADA and Network Updates
- 800 Riley St. JR Automation Water Main Install
- Relocation of Fire Service to 201 W Washington

Water Administration Projects-

- Consumer Confidence Report
- Carlton Pump Station
 - Engineering continues 3rd pump.
- Water Conservation Program
- Setting Dept. Goals

TO: Chairperson Boerman and Members of the Board of Public Works
 FROM: Jason Postma, Water Operations Manager
 SUBJECT: Bid Recommendation: 201 W. Washington Ave. Fire Service Relocation
 DATE: March 23, 2026

The following bid award recommendation is submitted for Board approval. All items listed are included in the FY2026 Other Water Main Project portion of our Capital Improvement Plan:

Background:

In 2025, there was a traffic accident where one of our fire hydrants was badly damaged and subsequently removed. At this time the water main running south on N. Colonial Street was discovered to have been installed in the late 1950s. Due to this we propose rerouting the fire service at 201 W. Washington Ave. from Washington Ave. to the north side of the premise.

Description:

The scope of the project includes rerouting and replacing the fire service to 201 W. Washington Ave. and abandoning approximately 240 feet of 8” water main installed in the 1950s. We propose reconfiguring piping to a fire hydrant on the southeast corner of W. McKinley Ave. and N. Colonial St. This project is tied to City resurfacing project for Colonial St. We also propose assisting the building owner with a cost share in the amount of \$15,000 to add new backflow prevention due to this relocation. Project costs are as follows:

Description	Cost
Colonial St. Resurfacing Project	\$102,146.65
Engineering and Construction Inspection	\$3,082.62
Cost Share with Building Owner	\$15,000
Project Contingency	\$10,368.81
Total Project Cost	\$130,598.08

Dan Hoe Excavating Inc. will be completing the underground construction portion of this project.

City Council approved this project at their March 16, 2026 regular meeting pending ZBPW Board approval. Refer to the attached memo from Kevin Plockmeyer to City Council dated March 16, 2026.

Bidder Name	Bidder Location	Quote	Meets Specification	Comments
Rieth- Riley Construction	Wyoming, MI	\$130,598.08	YES	RECOMMENDATION

Recommendation:

Award Contract work to Rieth-Riley Construction in the amount of \$130,598.08 for the 201 West Washington Ave. fire service relocation project.

Attachments: Kevin Plockmeyer Memo to City Council

Zeeland HMA Resurfacing Award Letter
Zeeland HMA Resurfacing Budget Letter
Moore & Bruggink Project Cost Work Sheet
Fire Service Relocation and Contribution Agreement



21 South Elm Street • Zeeland, Michigan 49464 • (616) 772-6400 • FAX (616) 772-5352

INTEROFFICE MEMORANDUM

TO: Mayor VanDorp and City Council Members

FROM: Kevin Plockmeyer, ACM of Infrastructure/City Services and Finance

SUBJECT: Fiscal Year 2026 Milling and Resurfacing Contract Award

DATE: March 13, 2026

CC: City Council Work Study and Action Items March 16, 2026

As part of the Fiscal Year 2026 Budget, we allocated \$365,000 to mill and resurface local streets. Similar to prior years, staff reviewed roadway conditions using PASER ratings and evaluated streets with ratings of 2 or below to determine which locations would benefit most from a mill and resurface project while also considering streets that may be scheduled for future reconstruction.

Based on this review, we sought bids for milling and resurfacing work on the following streets:

1. Colonial Street
2. West Lawrence Avenue
3. Pine Street

In addition to the street resurfacing work, the bid package also included water system improvements related to the fire protection service at 201 Washington Avenue and the abandonment of water main infrastructure in Colonial Street and under the railroad tracks. These improvements will be funded by the Water Fund and require approval by the Board of Public Works Commissioners.

The project was bid on March 12, 2026, and we received two bids. The low bid was submitted by Rieth-Riley Construction in the amount of \$397,616.30, which was well below the engineer's estimate. We have worked with Rieth-Riley on various other projects and have been pleased with their work.

FEEL THE ZEEL



The total estimated project budget, including design engineering, construction inspection, and contingencies, is \$450,000. Of this amount, \$334,401.92 is attributed to the Street Fund and \$115,598.08 to the Water Fund.

From the street perspective, the City budgeted \$365,000 for milling and resurfacing activities in FY26. The street portion of the project totals \$334,401.92, which places the project approximately \$30,600 under the amount budgeted for street resurfacing.

Attached to this memo are the engineer's award letter and bid tabulations for the project.

Recommendation

Award a contract in the amount of \$397,616.30 to Rieth-Riley Construction for the Fiscal Year 26 Milling and Resurfacing Project and set a total project budget of \$450,000, subject to the Board of Public Works Commissioners awarding the water portion of the project.

Kevin Plockmeyer, ACM of City Services/Infrastructure and Finance



March 12, 2026

Re: Zeeland HMA Resurfacing
Projects
Project No. 260107.01

Mr. Kevin Plockmeyer
City of Zeeland
21 South Elm Street
Zeeland, Michigan 49464

Dear Mr. Plockmeyer:

Based on our recommendation to award a contract on the **Zeeland HMA Resurfacing Project** in the amount of \$397,616.30, we hereby estimate the total project budget as follows:

PROJECT COSTS

Low Bid (Rieth-Riley Construction)	\$397,616.30
Design Engineering	\$4,000.00
Construction Inspection and Engineering	\$8,000.00
Project Contingencies	\$40,383.70

TOTAL ESTIMATED BUDGET \$450,000.00

PROJECT FUNDING

Street Fund	\$334,401.92
Water Fund	\$115,598.08

TOTAL ESTIMATED FUNDING \$450,000.00

The BPW funding is for the fire protection service to 201 Washington Avenue and the abandonment of the water main in Colonial Street and under the railroad tracks. If you have any questions, please contact us.

Sincerely,

Alan Pennington, P.E.
Project Manager

AP/pim



Moore+Bruggink
Consulting Engineers

March 13, 2026

Re: Zeeland HMA Resurfacing
Projects
Project No. 260107.01

Mr. Kevin Plockmeyer
City of Zeeland
21 South Elm Street
Zeeland, Michigan 49464

Dear Mr. Plockmeyer:

Two bids were received at 11 a.m., on Thursday, March 12, 2026, for the **Zeeland HMA Resurfacing Projects**. All bids were reviewed and checked for accuracy. A copy of the tabulation of bids is attached.

Rieth-Riley Construction submitted the low bid for the project in the amount of \$397,616.30. The engineer's estimate was \$514,000.00.

The low bidder has a satisfactory performance record on previous projects, and we recommend that a contract be awarded to Rieth-Riley Construction in the amount of \$397,616.30.

Sincerely,

Alan Pennington, P.E.
Project Manager

AP/pim

Attachment

cc: Rieth-Riley Construction

MOORE & BRUGGINK, INC.
TABULATION OF BIDS

PROJECT: Zeeland HMA Resurfacing Projects – Project No. 260107.01

OWNER: City of Zeeland, 21 South Elm Street, Zeeland, Michigan 49464

BIDS RECEIVED: 11 a.m., Thursday, March 12, 2026

ITEM NO.	PROPOSAL ITEM	UNIT	ESTIMATED QUANTITY	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	RIETH-RILEY CONSTRUCTION PRICE	RIETH-RILEY CONSTRUCTION AMOUNT	SITE WORK SOLUTIONS PRICE	SITE WORK SOLUTIONS AMOUNT
COLONIAL STREET ITEMS									
1	Mobilization, Max \$8,000	Lsum	1	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00
2	Erosion Control, Silt Sack	Ea	3	\$120.00	\$360.00	\$200.00	\$600.00	\$86.00	\$258.00
3	Curb & Gutter, Rem	Ft	200	\$15.00	\$3,000.00	\$10.00	\$2,000.00	\$12.00	\$2,400.00
4	HMA Removal, Full Depth	Syd	765	\$7.00	\$5,355.00	\$3.00	\$2,295.00	\$7.25	\$5,546.25
5	HMA, 3EL (220 lbs/Syd)	Tons	85	\$100.00	\$8,500.00	\$121.03	\$10,287.55	\$100.00	\$8,500.00
6	HMA, 5EL (165 lbs/Syd)	Tons	70	\$105.00	\$7,350.00	\$137.63	\$9,634.10	\$102.00	\$7,140.00
7	Biaxial Geogrid	Syd	550	\$5.00	\$2,750.00	\$3.00	\$1,650.00	\$2.40	\$1,320.00
8	Aggregate Base, 8 inch, 21AA	Syd	550	\$25.00	\$13,750.00	\$23.00	\$12,650.00	\$20.65	\$11,357.50
9	Curb and Gutter, Conc, Det F4, Modified	Ft	200	\$40.00	\$8,000.00	\$26.38	\$5,276.00	\$28.00	\$5,600.00
10	Sidewalk, Conc, 4 inch	Sft	1,000	\$10.00	\$10,000.00	\$6.88	\$6,880.00	\$7.25	\$7,250.00
11	Sidewalk Ramp, Conc, 6 inch	Sft	100	\$12.00	\$1,200.00	\$8.88	\$888.00	\$9.00	\$900.00
12	Detectable Warning Surface	Sft	30	\$70.00	\$2,100.00	\$32.22	\$966.60	\$33.00	\$990.00
13	Subbase, CIP	Cyd	15	\$25.00	\$375.00	\$40.00	\$600.00	\$17.00	\$255.00
14	Dr Structure Cover, Adj	Ea	3	\$850.00	\$2,550.00	\$350.00	\$1,050.00	\$500.00	\$1,500.00
15	Dr Structure Cover, Type B, Furn	Ea	1	\$800.00	\$800.00	\$1,000.00	\$1,000.00	\$700.00	\$700.00
16	Pavt Mrkg, Waterborne, 24 inch, Stop Bar	Lft	14	\$8.00	\$112.00	\$23.50	\$329.00	\$2.50	\$35.00
17	Pavt Mrkg, Waterborne, 12 inch, Crosswalk	Lft	70	\$8.00	\$560.00	\$11.75	\$822.50	\$1.80	\$126.00
18	Traffic Control	Lsum	1	\$3,000.00	\$3,000.00	\$4,430.00	\$4,430.00	\$6,185.00	\$6,185.00
19	Turf Establishment	Syd	90	\$7.00	\$630.00	\$20.00	\$1,800.00	\$10.00	\$900.00
20	Water Main, Rem	Ft	20	\$12.00	\$240.00	\$50.00	\$1,000.00	\$12.50	\$250.00
21	Abandon & Fill Underground Utilities, 8 inch	Ft	275	\$12.00	\$3,300.00	\$12.00	\$3,300.00	\$9.15	\$2,516.25
22	Bend, 45 Degree, 6 inch	Ea	2	\$750.00	\$1,500.00	\$650.00	\$1,300.00	\$560.00	\$1,120.00
23	Reducer, 8 inch x 6 inch	Ea	1	\$750.00	\$750.00	\$650.00	\$650.00	\$600.00	\$600.00
24	Sleeve, 6 inch	Ea	1	\$2,000.00	\$2,000.00	\$650.00	\$650.00	\$1,100.00	\$1,100.00
25	Water Main, D.I. CL 53, 6 inch with PolyWrap, including sand backfill	Ft	20	\$200.00	\$4,000.00	\$225.00	\$4,500.00	\$80.00	\$1,600.00
Subtotal Colonial Street Items					\$90,182.00		\$82,558.75		\$76,149.00
WEST LAWRENCE AVENUE ITEMS									
26	Mobilization, Max \$28,000	Lsum	1	\$28,000.00	\$28,000.00	\$5,500.00	\$5,500.00	\$13,240.00	\$13,240.00
27	Erosion Control, Silt Sack	Ea	5	\$120.00	\$600.00	\$200.00	\$1,000.00	\$86.00	\$430.00
28	HMA Removal, Full Depth	Syd	4,000	\$6.00	\$24,000.00	\$3.00	\$12,000.00	\$7.25	\$29,000.00
29	HMA, 3EL (220 lbs/Syd)	Tons	485	\$100.00	\$48,500.00	\$107.23	\$52,006.55	\$100.00	\$48,500.00
30	HMA, 5EL (165 lbs/Syd)	Tons	365	\$105.00	\$38,325.00	\$117.37	\$42,840.05	\$102.00	\$37,230.00
31	Dr Structure Cover, Adj	Ea	6	\$850.00	\$5,100.00	\$350.00	\$2,100.00	\$500.00	\$3,000.00
32	Pavt Mrkg, Waterborne, 24 inch, Stop Bar	Lft	35	\$8.00	\$280.00	\$8.30	\$290.50	\$5.75	\$201.25

ITEM NO.	PROPOSAL ITEM	UNIT	ESTIMATED QUANTITY	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	RIETH-RILEY CONSTRUCTION PRICE	RIETH-RILEY CONSTRUCTION AMOUNT	SITE WORK SOLUTIONS PRICE	SITE WORK SOLUTIONS AMOUNT
33	Pavt Mrkg, Waterborne, 12 inch, Crosswalk	Lft	190	\$8.00	\$1,520.00	\$4.15	\$788.50	\$3.85	\$731.50
34	Pavt Mrkg, Waterborne, 4 inch, white	Lft	80	\$0.50	\$40.00	\$1.25	\$100.00	\$1.30	\$104.00
35	Traffic Control	Lsum	1	\$3,000.00	\$3,000.00	\$600.00	\$600.00	\$2,000.00	\$2,000.00
Subtotal West Lawrence Avenue Items					\$149,365.00		\$117,225.60		\$134,436.75
PINE STREET ITEMS									
36	Mobilization, Max \$20,000	Lsum	1	\$20,000.00	\$20,000.00	\$7,000.00	\$7,000.00	\$12,875.00	\$12,875.00
37	Erosion Control, Silt Sack	Ea	9	\$120.00	\$1,080.00	\$200.00	\$1,800.00	\$86.00	\$774.00
38	Curb & Gutter, Rem	Ft	50	\$15.00	\$750.00	\$10.00	\$500.00	\$14.00	\$700.00
39	HMA Removal, Full Depth	Syd	2,800	\$6.00	\$8,400.00	\$3.00	\$8,400.00	\$7.25	\$20,300.00
40	HMA, 3EL (220 lbs/Syd)	Tons	340	\$100.00	\$34,000.00	\$112.12	\$38,120.80	\$100.00	\$34,000.00
41	HMA, 5EL (165 lbs/Syd)	Tons	255	\$105.00	\$26,775.00	\$118.40	\$30,192.00	\$102.00	\$26,010.00
42	Aggregate Base, 8 inch, 21AA	Syd	500	\$25.00	\$12,500.00	\$23.00	\$11,500.00	\$20.65	\$10,325.00
43	Curb and Gutter, Conc, Det F4, Modified	Ft	50	\$40.00	\$2,000.00	\$30.29	\$1,514.50	\$31.00	\$1,550.00
44	Sidewalk, Conc, 4 inch	Sft	200	\$10.00	\$2,000.00	\$6.88	\$1,376.00	\$7.25	\$1,450.00
45	Sidewalk Ramp, Conc, 6 inch	Sft	150	\$12.00	\$1,800.00	\$8.88	\$1,332.00	\$9.00	\$1,350.00
46	Detectable Warning Surface	Sft	40	\$70.00	\$2,800.00	\$32.22	\$1,288.80	\$33.00	\$1,320.00
47	Dr Structure Cover, Adj	Ea	7	\$850.00	\$5,950.00	\$350.00	\$2,450.00	\$500.00	\$3,500.00
48	Valve and Box, Adj	Ea	4	\$600.00	\$2,400.00	\$300.00	\$1,200.00	\$380.00	\$1,520.00
49	Pavt Mrkg, Waterborne, 24 inch, Stop Bar	Lft	30	\$8.00	\$240.00	\$12.00	\$360.00	\$5.75	\$172.50
50	Pavt Mrkg, Waterborne, 12 inch, Crosswalk	Lft	120	\$8.00	\$960.00	\$6.00	\$720.00	\$3.85	\$462.00
51	Pavt Mrkg, Waterborne, 4 inch, white	Lft	400	\$0.50	\$200.00	\$1.85	\$740.00	\$1.30	\$520.00
52	Traffic Control	Lsum	1	\$3,000.00	\$3,000.00	\$600.00	\$600.00	\$2,000.00	\$2,000.00
Subtotal Pine Street Items					\$133,255.00		\$109,094.10		\$118,828.50
201 WASHINGTON AVENUE FIRE SERVICE RELOCATION ITEMS									
53	Mobilization, Max \$13,000	Lsum	1	\$13,000.00	\$13,000.00	\$3,250.00	\$3,250.00	\$7,500.00	\$7,500.00
54	Traffic Control	Lsum	1	\$2,500.00	\$2,500.00	\$600.00	\$600.00	\$3,300.00	\$3,300.00
55	HMA Removal, Full Depth	Syd	500	\$6.00	\$3,000.00	\$5.00	\$2,500.00	\$10.75	\$5,375.00
56	Sidewalk, Rem	Syd	20	\$13.00	\$260.00	\$15.00	\$300.00	\$6.85	\$137.00
57	Pavt, Rem	Syd	15	\$15.00	\$225.00	\$35.00	\$525.00	\$13.15	\$197.25
58	Curb and Gutter, Rem	Ft	30	\$10.00	\$300.00	\$12.00	\$360.00	\$6.00	\$180.00
59	HMA, 5EL (2 lifts @ 220 lb/syd)	Tons	115	\$200.00	\$23,000.00	\$143.90	\$16,548.50	\$102.00	\$11,730.00
60	Aggregate Base, 8 inch, 21AA	Syd	500	\$25.00	\$12,500.00	\$23.00	\$11,500.00	\$20.65	\$10,325.00
61	Turf Establishment	Syd	10	\$40.00	\$400.00	\$60.00	\$600.00	\$10.00	\$100.00
62	Water Main, D.I. CL 53, 8 inch with PolyWrap including sand backfill	Ft	400	\$170.00	\$68,000.00	\$90.00	\$36,000.00	\$123.90	\$49,560.00
63	Sleeve, 8 inch	Ea	3	\$2,000.00	\$6,000.00	\$700.00	\$2,100.00	\$1,530.00	\$4,590.00
64	Tee, 8 inch x 8 inch x 8 inch	Ea	1	\$1,000.00	\$1,000.00	\$700.00	\$700.00	\$1,070.00	\$1,070.00
65	Valve & Box, 8 inch	Ea	1	\$2,200.00	\$2,200.00	\$1,600.00	\$1,600.00	\$2,505.00	\$2,505.00
66	Bend, 90 Degree, 8 inch	Ea	1	\$1,000.00	\$1,000.00	\$700.00	\$700.00	\$660.00	\$660.00
67	Bend, 45 Degree, 8 inch	Ea	2	\$1,000.00	\$2,000.00	\$700.00	\$1,400.00	\$580.00	\$1,160.00
68	Cap, 8 inch	Ea	1	\$800.00	\$800.00	\$550.00	\$550.00	\$405.00	\$405.00
69	Ex. Water Main, Rem	Ea	50	\$20.00	\$1,000.00	\$35.00	\$1,750.00	\$12.40	\$620.00

ITEM NO.	PROPOSAL ITEM	UNIT	ESTIMATED QUANTITY	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	RIETH-RILEY CONSTRUCTION PRICE	RIETH-RILEY CONSTRUCTION AMOUNT	SITE WORK SOLUTIONS PRICE	SITE WORK SOLUTIONS AMOUNT
70	Hydrant, Rem	Ea	1	\$400.00	\$400.00	\$1,500.00	\$1,500.00	\$560.00	\$560.00
71	Sidewalk, Conc, 8 inch	Sft	160	\$12.00	\$1,920.00	\$11.07	\$1,771.20	\$11.50	\$1,840.00
72	Driveway, Nonreinf Conc, 8 inch	Syd	15	\$108.00	\$1,620.00	\$99.63	\$1,494.45	\$105.00	\$1,575.00
73	Subbase, CIP	Cyd	2	\$30.00	\$60.00	\$50.00	\$100.00	\$17.00	\$34.00
74	Curb and Gutter, Conc, F4	Ft	30	\$40.00	\$1,200.00	\$30.29	\$908.70	\$31.50	\$945.00
75	Remove Valve Chamber and Check Valve Assembly	Ea	2	\$750.00	\$1,500.00	\$1,000.00	\$2,000.00	\$975.00	\$1,950.00
Subtotal 201 Washington Avenue Fire Service Relocation Items					\$143,885.00		\$88,757.85		\$106,318.25
TOTAL ALL ITEMS					\$516,687.00		\$397,636.30		\$435,732.50

ITEM NO.	PROPOSAL ITEM	UNIT	ESTIMATED			STREET FUND		WATER FUND	
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
COLONIAL STREET ITEMS									
1	Mobilization, Max \$8,000	Lsum	1	\$8,000.00	\$8,000.00	0.84	\$6,720.00	0.16	\$1,280.00
2	Erosion Control, Silt Sack	Ea	3	\$200.00	\$600.00	3.00	\$600.00		\$0.00
3	Curb & Gutter, Rem	Ft	200	\$10.00	\$2,000.00	200.00	\$2,000.00		\$0.00
4	HMA Removal, Full Depth	Syd	765	\$3.00	\$2,295.00	765.00	\$2,295.00		\$0.00
5	HMA, 3EL (220 lbs/Syd)	Tons	85	\$121.03	\$10,287.55	85.00	\$10,287.55		\$0.00
6	HMA, 5EL (165 lbs/Syd)	Tons	70	\$137.63	\$9,634.10	70.00	\$9,634.10		\$0.00
7	Biaxial Geogrid	Syd	550	\$3.00	\$1,650.00	550.00	\$1,650.00		\$0.00
8	Aggregate Base, 8 inch, 21AA	Syd	550	\$23.00	\$12,650.00	550.00	\$12,650.00		\$0.00
9	Curb and Gutter, Conc, Det F4, Modified	Ft	200	\$26.38	\$5,276.00	200.00	\$5,276.00		\$0.00
10	Sidewalk, Conc, 4 inch	Sft	1,000	\$6.88	\$6,880.00	1000.00	\$6,880.00		\$0.00
11	Sidewalk Ramp, Conc, 6 inch	Sft	100	\$8.88	\$888.00	100.00	\$888.00		\$0.00
12	Detectable Warning Surface	Sft	30	\$32.22	\$966.60	30.00	\$966.60		\$0.00
13	Subbase, CIP	Cyd	15	\$40.00	\$600.00	15.00	\$600.00		\$0.00
14	Dr Structure Cover, Adj	Ea	3	\$350.00	\$1,050.00	3.00	\$1,050.00		\$0.00
15	Dr Structure Cover, Type B, Furn	Ea	1	\$1,000.00	\$1,000.00	1.00	\$1,000.00		\$0.00
16	Pavt Mrkg, Waterborne, 24 inch, Stop Bar	Lft	14	\$23.50	\$329.00	14.00	\$329.00		\$0.00
17	Pavt Mrkg, Waterborne, 12 inch, Crosswalk	Lft	70	\$11.75	\$822.50	70.00	\$822.50		\$0.00
18	Traffic Control	Lsum	1	\$4,430.00	\$4,430.00	0.84	\$3,721.20	0.16	\$708.80
19	Turf Establishment	Syd	90	\$20.00	\$1,800.00	90.00	\$1,800.00		\$0.00
20	Water Main, Rem	Ft	20	\$50.00	\$1,000.00	0.00	\$0.00	20.00	\$1,000.00
21	Abandon & Fill Underground Utilities, 8 inch	Ft	275	\$12.00	\$3,300.00	0.00	\$0.00	275.00	\$3,300.00
22	Bend, 45 Degree, 6 inch	Ea	2	\$650.00	\$1,300.00	0.00	\$0.00	2.00	\$1,300.00
23	Reducer, 8 inch x 6 inch	Ea	1	\$650.00	\$650.00	0.00	\$0.00	1.00	\$650.00
24	Sleeve, 6 inch	Ea	1	\$650.00	\$650.00	0.00	\$0.00	1.00	\$650.00
25	Water Main, D.I. CL 53, 6 inch with PolyWrap, including sand backfill	Ft	20	\$225.00	\$4,500.00	0.00	\$0.00	20.00	\$4,500.00
Subtotal Colonial Street Items					\$82,558.75		\$69,169.95		\$13,388.80
WEST LAWRENCE AVENUE ITEMS									
26	Mobilization, Max \$28,000	Lsum	1	\$5,500.00	\$5,500.00	1	\$5,500.00		\$0.00
27	Erosion Control, Silt Sack	Ea	5	\$200.00	\$1,000.00	5	\$1,000.00		\$0.00
28	HMA Removal, Full Depth	Syd	4,000	\$3.00	\$12,000.00	4,000	\$12,000.00		\$0.00

ITEM NO.	PROPOSAL ITEM	UNIT	ESTIMATED		STREET FUND		WATER FUND		
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
29	HMA, 3EL (220 lbs/Syd)	Tons	485	\$107.23	\$52,006.55	485	\$52,006.55	\$0.00	
30	HMA, 5EL (165 lbs/Syd)	Tons	365	\$117.37	\$42,840.05	365	\$42,840.05	\$0.00	
31	Dr Structure Cover, Adj	Ea	6	\$350.00	\$2,100.00	6	\$2,100.00	\$0.00	
32	Pavt Mrkg, Waterborne, 24 inch, Stop Bar	Lft	35	\$8.30	\$290.50	35	\$290.50	\$0.00	
33	Pavt Mrkg, Waterborne, 12 inch, Crosswalk	Lft	190	\$4.15	\$788.50	190	\$788.50	\$0.00	
34	Pavt Mrkg, Waterborne, 4 inch, white	Lft	80	\$1.25	\$100.00	80	\$100.00	\$0.00	
35	Traffic Control	Lsum	1	\$600.00	\$600.00	1	\$600.00	\$0.00	
Subtotal West Lawrence Avenue Items					\$117,225.60	\$117,225.60	\$0.00		
PINE STREET ITEMS									
36	Mobilization, Max \$20,000	Lsum	1	\$7,000.00	\$7,000.00	1	\$7,000.00	\$0.00	
37	Erosion Control, Silt Sack	Ea	9	\$200.00	\$1,800.00	9	\$1,800.00	\$0.00	
38	Curb & Gutter, Rem	Ft	50	\$10.00	\$500.00	50	\$500.00	\$0.00	
39	HMA Removal, Full Depth	Syd	2,800	\$3.00	\$8,400.00	2,800	\$8,400.00	\$0.00	
40	HMA, 3EL (220 lbs/Syd)	Tons	340	\$112.12	\$38,120.80	340	\$38,120.80	\$0.00	
41	HMA, 5EL (165 lbs/Syd)	Tons	255	\$118.40	\$30,192.00	255	\$30,192.00	\$0.00	
42	Aggregate Base, 8 inch, 21AA	Syd	500	\$23.00	\$11,500.00	500	\$11,500.00	\$0.00	
43	Curb and Gutter, Conc, Det F4, Modified	Ft	50	\$30.29	\$1,514.50	50	\$1,514.50	\$0.00	
44	Sidewalk, Conc, 4 inch	Sft	200	\$6.88	\$1,376.00	200	\$1,376.00	\$0.00	
45	Sidewalk Ramp, Conc, 6 inch	Sft	150	\$8.88	\$1,332.00	150	\$1,332.00	\$0.00	
46	Detectable Warning Surface	Sft	40	\$32.22	\$1,288.80	40	\$1,288.80	\$0.00	
47	Dr Structure Cover, Adj	Ea	7	\$350.00	\$2,450.00	7	\$2,450.00	\$0.00	
48	Valve and Box, Adj	Ea	4	\$300.00	\$1,200.00	4	\$1,200.00	\$0.00	
49	Pavt Mrkg, Waterborne, 24 inch, Stop Bar	Lft	30	\$12.00	\$360.00	30	\$360.00	\$0.00	
50	Pavt Mrkg, Waterborne, 12 inch, Crosswalk	Lft	120	\$6.00	\$720.00	120	\$720.00	\$0.00	
51	Pavt Mrkg, Waterborne, 4 inch, white	Lft	400	\$1.85	\$740.00	400	\$740.00	\$0.00	
52	Traffic Control	Lsum	1	\$600.00	\$600.00	1	\$600.00	\$0.00	
Subtotal Pine Street Items					\$109,094.10	\$109,094.10	\$0.00		
201 WASHINGTON AVENUE FIRE SERVICE RELOCATION ITEMS									
53	Mobilization, Max \$13,000	Lsum	1	\$3,250.00	\$3,250.00		\$0.00	1	\$3,250.00
54	Traffic Control	Lsum	1	\$600.00	\$600.00		\$0.00	1	\$600.00
55	HMA Removal, Full Depth	Syd	500	\$5.00	\$2,500.00		\$0.00	500	\$2,500.00

ITEM NO.	PROPOSAL ITEM	UNIT	ESTIMATED			STREET FUND		WATER FUND	
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
56	Sidewalk, Rem	Syd	20	\$15.00	\$300.00		\$0.00	20	\$300.00
57	Pavt, Rem	Syd	15	\$35.00	\$525.00		\$0.00	15	\$525.00
58	Curb and Gutter, Rem	Ft	30	\$12.00	\$360.00		\$0.00	30	\$360.00
59	HMA, 5EL (2 lifts @ 220 lb/syd)	Tons	115	\$143.90	\$16,548.50		\$0.00	115	\$16,548.50
60	Aggregate Base, 8 inch, 21AA	Syd	500	\$23.00	\$11,500.00		\$0.00	500	\$11,500.00
61	Turf Establishment	Syd	10	\$60.00	\$600.00		\$0.00	10	\$600.00
62	Water Main, D.I. CL 53, 8 inch with PolyWrap including sand backfill	Ft	400	\$90.00	\$36,000.00		\$0.00	400	\$36,000.00
63	Sleeve, 8 inch	Ea	3	\$700.00	\$2,100.00		\$0.00	3	\$2,100.00
64	Tee, 8 inch x 8 inch x 8 inch	Ea	1	\$700.00	\$700.00		\$0.00	1	\$700.00
65	Valve & Box, 8 inch	Ea	1	\$1,600.00	\$1,600.00		\$0.00	1	\$1,600.00
66	Bend, 90 Degree, 8 inch	Ea	1	\$700.00	\$700.00		\$0.00	1	\$700.00
67	Bend, 45 Degree, 8 inch	Ea	2	\$700.00	\$1,400.00		\$0.00	2	\$1,400.00
68	Cap, 8 inch	Ea	1	\$550.00	\$550.00		\$0.00	1	\$550.00
69	Ex. Water Main, Rem	Ea	50	\$35.00	\$1,750.00		\$0.00	50	\$1,750.00
70	Hydrant, Rem	Ea	1	\$1,500.00	\$1,500.00		\$0.00	1	\$1,500.00
71	Sidewalk, Conc, 8 inch	Sft	160	\$11.07	\$1,771.20		\$0.00	160	\$1,771.20
72	Driveway, Nonreinf Conc, 8 inch	Syd	15	\$99.63	\$1,494.45		\$0.00	15	\$1,494.45
73	Subbase, CIP	Cyd	2	\$50.00	\$100.00		\$0.00	2	\$100.00
74	Curb and Gutter, Conc, F4	Ft	30	\$30.29	\$908.70		\$0.00	30	\$908.70
75	Remove Valve Chamber and Check Valve Assembly	Ea	2	\$1,000.00	\$2,000.00		\$0.00	2	\$2,000.00
Subtotal 201 Washington Avenue Fire Service Relocation Items						\$88,757.85		\$0.00	\$88,757.85
TOTAL ALL ITEMS						\$397,636.30		\$295,489.65	\$102,146.65
Percentage								74.31%	25.69%
Design Engineering						\$4,000.00		\$2,972.46	\$1,027.54
Construction Inspection and Engineering						\$8,000.00		\$5,944.92	\$2,055.08
Contingencies						\$40,363.70		\$29,994.89	\$10,368.81
TOTAL PROJECT COST						\$450,000.00		\$334,401.92	\$115,598.08

**FIRE SERVICE RELOCATION
AND
CONTRIBUTION AGREEMENT**

This Fire Service Relocation and Contribution Agreement (“Agreement”) is made and entered into as of _____, 2026 (“Effective Date”), by and between the **Zeeland Board of Public Works**, a municipal utility of the City of Zeeland, whose address is 350 E. Washington Avenue, Zeeland, Michigan 49464 (“ZBPW”), and ILH CCB, LLC, a Michigan limited liability company, whose address is 441 E. Roosevelt Avenue, Zeeland, Michigan 49464, (“Owner”), state as follows:

RECITALS

Owner is the owner of certain real property located at 201 W. Washington Avenue, Zeeland, Michigan (“Property”).

In 2025, a traffic accident resulted in damage to an existing fire hydrant serving the area, necessitating its removal and prompting further evaluation of the water infrastructure.

Subsequent investigation revealed that a portion of the water main infrastructure serving the Property was installed in the late 1950s and is in need of reconfiguration.

ZBPW has scheduled a project to reroute the fire service line serving the Property and to relocate a fire hydrant in conjunction with a city street resurfacing project on Colonial Street.

Absent the planned street resurfacing project, the rerouting of the fire service line would not otherwise be required.

The rerouting of the fire service line and its associated improvements will necessitate modifications to the Owner’s private fire protection infrastructure, resulting in costs to the Owner.

In recognition of these circumstances, the ZBPW has agreed to contribute funds towards the Owner’s modifications of its private fire protection infrastructure in an amount of up to Fifteen Thousand Dollars (\$15,000).

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

1. SCOPE OF WORK AND WORK RESPONSIBILITIES.

1.1 ZBPW Responsibilities. ZBPW shall:

- A. Reroute the fire service line serving the Property;

- B. Abandon and/or replace existing water main infrastructure as necessary; and,
- C. Coordinate such work with the City's Colonial Street resurfacing project.

1.2 Owner Responsibilities. Owner shall:

- A. Be responsible for all private-side modifications to fire protection systems, including but not limited to backflow prevention, internal piping, and related appurtenances;
- B. Provide access to the Property as reasonably necessary to complete the work; and comply with all applicable codes, permits, and inspection requirements.

2. ZBPW CONTRIBUTIONS AND CONDITIONS.

2.1 Contribution. ZBPW agrees to provide a one-time cost share payment to Owner in an amount not to exceed Fifteen Thousand Dollars (\$15,000.00).

2.2 Eligible Costs. The cost share shall be applied toward expenses incurred by Owner directly related to modifications required as a result of the rerouting of the fire service line, including but not limited to the backflow prevention installation.

2.3 Payment Conditions. Payment shall be made upon:

- A. Submission of itemized invoices by Owner; and,
- B. Verification by the ZBPW that such costs are reasonable and directly attributable to the project.

2.3 Excess Costs. Any costs incurred by Owner exceeding the \$15,000 contribution limit shall be the sole responsibility of the Owner.

3. NO WAIVER OF OWNERSHIP OR RESPONSIBILITY. Nothing in this Agreement shall be construed as transferring ownership of the private infrastructure to the ZBPW or as creating an obligation of the ZBPW to maintain any privately owned systems.

4. HOLD HARMLESS AND INDEMNIFICATION. Owner agrees to indemnify, defend and hold harmless the ZBPW, the City of Zeeland, and their respective officers, employees, and agents from and against any and all claims, demands, damages, losses, liabilities, costs, and expenses (including reasonable attorney fees) arising out of or related to:

- A. The Owner's private fire protection system;
- B. Work performed on the Owner's property by or on behalf of the Owner; or,
- C. The Owner's failure to comply with applicable laws, codes or regulations.

The ZBPW agrees to indemnify, defend, and hold harmless Owner from and against any and all claims, demands, damages, losses, liabilities, costs, and expenses (including reasonable attorney fees) arising out of or related to the negligent acts or omissions of the ZBPW in performing the public-site work described in this Agreement.

5. ACCESS AND EASEMENTS. Owner agrees to grant temporary access, and if necessary, permanent easements that are reasonably required for the installation, relocation and maintenance of public water infrastructure, subject to mutually agreed terms.

6. TERM AND COMPLETION. This Agreement shall remain in effect until completion of the project and fulfillment of all obligations herein, unless terminated earlier by mutual written agreement.

7. NOTICES. No waiver or notice shall be effective unless in writing. All notices, consents, waivers and other communications required or permitted by this Agreement shall be in writing or in electronic form as hereafter provided and shall be deemed given to a party when (a) delivered by personal service; (b) sent by email with confirmation of transmission by the transmitting equipment; or (c) received or rejected by the addressee, if sent by certified mail return receipt requested, in each case to the attention of the person who signed this Agreement. Any party to this Agreement may give a written notice of a change of its address to the other party to this Agreement.

8. GOVERNING LAW. This Agreement shall be governed by and construed in accordance with the laws of the State of Michigan.

9. AMENDMENTS. This Agreement may only be amended in writing and signed by both parties.

10. ENTIRE AGREEMENT. This Agreement constitutes the entire understanding between the parties and supersedes all prior negotiations or agreements, whether written or oral.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the Effective Date first written above.

ZEELAND BOARD OF PUBLIC WORKS

Dated: April ____, 2026

By: _____
Andrew Boatright, Its General Manager

ILH CCB, LLC

Dated: April ____, 2026

By: _____
Bryan Lanser, Its Member

TO: Chairperson Boerman and Members of the Board of Public Works
FROM: Brian L. Coots, Electrical Transmission & Distribution Manager
SUBJECT: Electric Transmission & Distribution Department Projects Update
DATE: April 8th, 2026

Washington Substation Preventative Maintenance

Preventative maintenance has been successfully completed at the Washington Substation and associated with switchgear by Shermco. The work was carried out as scheduled, and no major issues were identified during the process. Maintenance activities included comprehensive relay testing to ensure proper protection system operation, as well as the collection of transformer oil samples for analysis. Results from the oil test will be reviewed and reported to the board at a later date. Shermco will also return during the summer months to perform infrared scanning under higher load conditions to identify any potential hot spots.

Fairview Circuit Breaker Replacement

Since the last Board update, all required materials, including those provided by ZBPW and the contractor, have been successfully procured. The three 69 kV circuit breakers have been delivered and are now on site. The construction bid was approved at the last Board meeting, and Kent Power has been selected as the contractor. They have been excellent to work with throughout the process. All preparations are complete, and the contractor is ready to begin work. Construction is scheduled to commence on May 11, with anticipated completion by the end of June. Initial work will include modifying and expanding the existing breaker foundations in preparation for installation of the new equipment.

American Public Power Association Awards

We are proud to share that our utility has been awarded the 2025 Certificate of Excellence in Reliability from the American Public Power Association (APPA). This recognition is based on a comparison of our reliability data from PowerTRX Reliability with national data collected by the U.S. Energy Information Administration (EIA). From 2020–2024, we ranked in the top quartile (top 25%) of utilities nationwide for System Average Interruption Duration Index (SAIDI), both including and excluding major event days (IEEE MEDs). This achievement reflects our ongoing commitment to providing reliable electric service to our community.



Outage Statistics

Zeeland Board of Public Works Reliability Metrics				
Outage Statistics	2023	2024	2025	Trailing 12 Months
SAIDI	33.43	5.04	25.15	25.06
SAIFI	0.2	0.13	0.26	0.26
CAIDI	168.07	38.79	95.1	95.36
ASAI	99.995	99.999	99.995	99.996

*Major Event Days Included

TO: Chairperson Boerman and Members of the Board of Public Works
 FROM: Brian Maat, Electric Transmission & Distribution Engineer
 SUBJECT: Electric AMI Meter Purchase
 DATE: April 14, 2026

The following Electric AMI Meter Purchase Recommendation is submitted for Board approval. This purchase is for the replenishment of three phase commercial / industrial electric meters.

Overview:

The Zeeland Board of Public Works electric system continues to experience steady growth throughout our service territory. New development and infrastructure improvements are occurring within the City of Zeeland as well as in neighboring Holland / Zeeland Townships. This continued expansion has resulted in a steady need for additional electric meter installations. This purchase will replenish our inventory of commercial electric meters and ensure an adequate supply is available to support ongoing system growth and service needs.

Description:

The Zeeland Board of Public Works continues to use the Eaton Advanced Metering Infrastructure (AMI) mesh network for all electric metering. For the Eaton Yukon AMI system, only a limited number of manufacturers produce polyphase meters that are fully compatible with its communication module. The original AMI deployment utilized the Itron Sentinel for polyphase applications, and the Itron CENTRON CP3SL is now the latest meter offering, providing enhanced functionality while maintaining full compatibility with the existing AMI system.

The Electric Department is seeking to purchase a total of 44 commercial meters that will accommodate multiple different three-phase service types.

Bidder Name	Quote	Meets Specification	Comments
Eaton	\$32,084.00	YES	RECOMMENDATION

Recommendation:

Award the purchase of Electric AMI Meters to Eaton for \$32,084.00, plus \$1,283.36 in freight, for a total cost of **\$33,367.36**.

Attachments: Eaton Quotation 0024394397



Powering Business Worldwide

Customer Quotation

Cannon Technologies, Inc.
3033 Campus Drive - Suite 350N
Minneapolis, MN 55441
Phone: (763)-595-7777
Fax: (763)-543-7777

Quotation Number	Date	
24394397	02/26/2026	
Cust. purchase order no.		Cust. no.
02/26/2026 - JRS		881392
Prepared By		
Jill Skarsten		
Validity period		
02/26/2026 to 03/26/2026		
Sales Representative		
900007966 / DAN SCRIMA		
Customer Service Contact		
JILL SKARSTEN	Tele: 763-543-7685 Fax: 763-543-7777	

Sold-to address

ZEELAND BOARD OF PUBLIC WORKS
350 EAST WASHINGTON AVENUE
ZEELAND MI 49464-1334
US

Ship-to address

ZEELAND BOARD OF PUBLIC WORKS
350 EAST WASHINGTON AVENUE
ZEELAND MI 49464-1334
US

Incoterms: Pre-Paid FOB PLANT
Payment Terms: Net 30 Days

THIS DOCUMENT INCORPORATES AND IS SUBJECT TO THE ATTACHED TERMS AND CONDITIONS.

Item	Quantity	UOM	Description	Material No	Price	Ext. Value
Cust.item Catalog Number						
Cust.Material Number						
40	20	EA	RFN-630CP3 16S CL320 SN&LBL ITRON CUSTOMER CSPEC FOR EACH CUSTOMER METER PROFILE REQUIRED PART NUMBER AND PRICING WERE USED FOR QUOTING PURPOSES ONLY AND ARE SUBJECT TO CHANGE BASED ON THE SELECTIONS MADE ON THE METER PROFILE. LEAD TIME IS 15 WEEKS AFTER COMPLETION OF THE METER PROFILE.	630-ITC316SC161130	743.00	14,860.00
50	16	EA	RFN-630CP3 9S CL20 w LBL&SN ITRON CUSTOMER CSPEC FOR EACH CUSTOMER METER PROFILE REQUIRED PART NUMBER AND PRICING WERE USED FOR QUOTING PURPOSES ONLY AND ARE SUBJECT TO CHANGE BASED ON THE SELECTIONS MADE ON THE METER PROFILE. LEAD TIME IS 15 WEEKS AFTER COMPLETION OF THE METER PROFILE.	630-ITC309SC071130	705.00	11,280.00
70	8	EA	RFN-630CP3 12S CL320 N-9 O'clock SN&LBL ITRON CUSTOMER CSPEC FOR EACH CUSTOMER METER PROFILE REQUIRED PART NUMBER AND PRICING WERE USED FOR QUOTING PURPOSES ONLY AND ARE SUBJECT TO CHANGE BASED ON THE SELECTIONS MADE ON THE METER PROFILE. LEAD TIME IS 15 WEEKS AFTER COMPLETION OF THE METER PROFILE.	630-ITC312SC131130	743.00	5,944.00
Product Subtotal						32,084.00
Cannon Frt Chg						1,283.36
Final amount in USD						33,367.36



Powering Business Worldwide

Cannon Technologies, Inc.
3033 Campus Drive - Suite 350N
Minneapolis, MN 55441
Phone: (763)-595-7777
Fax: (763)-543-7777

Customer Quotation

Page 2 of 4

Quotation no./Date

24394397 / 02/26/2026

Sales Contact: BOB WIEHE / 402-203-9390

Terms and Conditions

1. Applicable Terms and Conditions

(a) These terms and conditions of sale establish the rights, obligations, and remedies of Buyer and Seller that apply to any order issued by Buyer for the purchase of Seller's products and/or services ("Products"). No additional or different terms or conditions, whether contained in Buyer's purchase order form or in any other document or communication pertaining to Buyer's order, will be binding on Seller unless accepted in writing by an authorized representative of Seller. Seller expressly objects to and rejects any additional or different terms and conditions, which shall be ineffective.

(b) If Seller's order acknowledgement, invoice, other document, or electronic transmittal including or attaching these terms and conditions is found to be an acceptance of an offer, acceptance is expressly made conditional upon Buyer's assent solely to these terms and conditions, and acceptance of any part of Products delivered by Seller shall be deemed to constitute such assent by Buyer. If the order acknowledgement, invoice, other document, or electronic transmittal including or attaching these terms and conditions constitutes an offer, Buyer's acceptance of the offer is hereby limited to the terms of the offer.

2. Price, Payment Terms, and Title

(a) All prices represent those in effect at the time of quotation and are subject to change without notice. Unless prices are bid or quoted as "firm," Seller reserves the right to invoice at prices in effect at the date of shipment, regardless of any prior bid and whether notice was received by Buyer. Unless otherwise indicated, prices are stated in United States dollars and are exclusive of shipping, handling, shipping insurance, duties, and sales, use, excise or similar taxes. Export packaging or any other special handling requested by Buyer will be at Buyer's expense. A service charge of \$25 will be assessed for any order less than \$250. Seller requires a minimum \$100 emergency handling charge for all orders that require shipment the same day or next day.

(b) Buyer acknowledges that the pricing of the Products has been set based on the agreed allocation of risks contained in these terms and conditions. If, notwithstanding the provisions of these terms and conditions, a court of competent jurisdiction determines that Buyer's terms and conditions apply to an order, then Seller shall have the right to either (i) modify the prices (including retroactively) according to the additional level of risk and responsibility that Buyer's terms and conditions require Seller to undertake; or (ii) cancel the order any time after such a determination without liability for the termination other than for the Products already delivered on these terms and conditions.

(c) Unless different credit terms have been extended to Buyer in writing by Seller, payment terms are net 30 days after delivery or date of invoice, whichever first occurs, in the currency invoiced. Seller reserves the right to modify or withdraw credit terms at any time without notice. If Buyer fails to fulfill the terms of payment, Seller may defer further shipments to Buyer or, at its option, cancel the unshipped portions of Buyer's orders. Buyer agrees to pay interest on all past due invoices at the lesser of 18% per annum, compounded monthly, or the highest contractual rate allowable under the law.

(d) Until full payment of all obligations of the Buyer for an order, Seller reserves the title (but not the risk of loss) to all Products furnished under that order. If the Buyer defaults in payment or performance or becomes subject to insolvency, receivership or bankruptcy proceedings or makes an assignment for the benefit of creditors, or without the consent of Seller voluntarily or involuntarily sells, transfers, leases or permits any lien or attachment on the Products, Seller may treat all amounts then or thereafter owing by Buyer to be immediately due and payable and Seller at its election may repossess Products for which Buyer has not paid in full. In the event of repossession of Products under this section or under the section entitled "Security Interest," Buyer agrees that Seller may enter the premises where the Products may be located and remove them without notice and without being liable to Buyer for such repossession. Buyer will not set off invoiced amounts or any portion thereof against sums that are due or may become due from Seller, its parents, affiliates, or subsidiaries. Buyer grants Seller a security interest in Products for which title has passed to Buyer, products in which Products are incorporated, and Products that Seller sells (including all Products acquired hereafter from Seller, and all accessions, substitutions, replacements, and additions, and any proceeds from sale or disposition of Products), as security for performance by Buyer of all of its payment obligations under these terms and conditions (including obligations regarding future advances). Buyer consents to Seller's execution of any documents to evidence and perfect this security interest, and agrees to execute the same if requested by Seller.

3. Delivery and Risk of Loss

(a) Unless otherwise agreed in writing, all deliveries of Products will be EXW (Incoterms 2000) Seller's facility. Products will be packed in Seller's standard commercial shipping packages. Charges for shipping may not reflect net transportation costs paid by Seller. Buyer shall reimburse Seller for all costs of storage and handling incurred by Seller after the date that Seller is prepared to make shipment.

(b) Delivery and shipping dates are approximate and represent Seller's best estimate of the time required to make delivery or shipment. Time is not of the essence with respect to the transactions covered by these terms and conditions, except with respect to Buyer's obligation to make all related

payments. Seller's obligations under these terms and conditions will be dependent upon Seller's ability to obtain necessary raw materials and components. Seller shall have the right to make partial deliveries and to ship up to forty (40) days in advance of shipping date.

4. Acceptance

Acceptance shall occur, if not before, when Buyer fails to reject within ten (10) days after delivery of the Products. Buyer may rightfully reject only when a reasonable inspection shows that the Products fail to conform substantially to the specifications for the Products. Buyer waives any right to revoke acceptance. Buyer's remedies for any nonconformity detected after acceptance are limited to those expressly provided in these terms and conditions for breach of warranty.

5. Limited Warranty

(a) Seller warrants to each original Buyer of Products that Products are, at the time of delivery to the Buyer, in good working order and conform to Seller's official published specifications, provided that no warranty is made with respect to any Products, component parts, or accessories manufactured by others but supplied by Seller.

(b) Seller's obligation under this warranty for any Product proved not to be as warranted within the applicable warranty period is limited to, at its option, replacing the Product, refunding the purchase price of the Product, or using reasonable efforts to repair the Product during normal business hours at any authorized service facility of Seller. All costs of transportation of any Product claimed not to be as warranted and of any repaired or replacement Product to or from such service facility shall be borne by Buyer.

(c) Seller may require the return of any Product claimed not to be as warranted to one of its facilities as designated by Seller, transportation prepaid by Buyer, to establish a claim under this warranty. The cost of labor for removing a Product and for installing a repaired or replacement Product shall be borne by Buyer. Replacement parts provided under the terms of this warranty are warranted for the remainder of the warranty period of the Products in which they are installed to the same extent as if such parts were original components. Warranty services provided under these terms and conditions do not assure uninterrupted operations of Products; Seller shall not be liable for damages caused by any delays involving warranty service.

(d) The warranty period for Products is the shorter of twelve (12) months from the date of installation or eighteen (18) months from the date of shipment unless otherwise agreed by Seller in writing.

(e) EXCEPT FOR THE EXPRESS WARRANTY SET FORTH ABOVE, SELLER PROVIDES PRODUCTS AS-IS AND MAKES NO OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, REGARDING THE PRODUCTS, THEIR FITNESS FOR ANY PARTICULAR PURPOSE, THEIR MERCHANTABILITY, THEIR QUALITY, THEIR NONINFRINGEMENT, OR OTHERWISE. IN NO EVENT SHALL SELLER BE LIABLE FOR THE COST OF PROCUREMENT OR INSTALLATION OF SUBSTITUTE GOODS.

6. LIMITATION OF LIABILITY

IN NO EVENT WILL SELLER BE LIABLE FOR ANY SPECIAL DAMAGES, CONSEQUENTIAL DAMAGES, INDIRECT DAMAGES, INCIDENTAL DAMAGES, STATUTORY DAMAGES, EXEMPLARY OR PUNITIVE DAMAGES, LOSS OF PROFITS, LOSS OF REVENUE, LIQUIDATED DAMAGES, OR LOSS OF USE, EVEN IF INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. SELLER'S LIABILITY FOR DAMAGES ARISING OUT OF OR RELATED TO A PRODUCT SHALL IN NO CASE EXCEED THE PURCHASE PRICE OF THE PRODUCT FROM WHICH THE CLAIM ARISES. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THESE LIMITATIONS AND EXCLUSIONS WILL APPLY WHETHER SELLER'S LIABILITY ARISES OR RESULTS FROM BREACH OF CONTRACT, BREACH OF WARRANTY, TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE, GROSS NEGLIGENCE, MALICE, OR INTENTIONAL CONDUCT), STRICT LIABILITY, BY OPERATION OF LAW, OR OTHERWISE.

7. Cancellation and Return of Products

Orders shall not be subject to cancellation or modification either in whole or in part without Seller's written consent and then only with terms that will reimburse Seller for reasonable termination charges, including all progress billings and all incurred direct manufacturing costs. Seller's written consent must be given in advance of Buyer's return of Products for credit. Seller reserves the right to cancel any sale of Products without liability to Buyer (except for refund of monies already paid), if the manufacture or sale of the goods is or becomes technically or economically impractical.

8. Force Majeure

Seller shall not be liable for any failure to perform or delay in performing its obligations resulting directly or indirectly from or contributed to by any acts of God, acts of Buyer or those under Buyer's control, acts of government or other civil or military authorities, priorities, strikes, or other labor disputes, fires, accidents, floods, epidemics, war, riot, embargoes, delays in transportation, lack of or inability to obtain raw materials, components, labor, fuel or supplies, or other circumstances beyond Seller's reasonable control ("Force Majeure Event"). If Seller elects, the time for performance shall be extended by a period of time equal to the time lost because of any delays caused by reasons of a Force

Terms and Conditions

Majeure Event. Should Seller be prevented from completing Buyer's order or any part thereof because of any Force Majeure Event, then Buyer agrees promptly upon request and upon receipt of invoice therefor, to pay Seller for any Product or Products then completed.

9. Work Product

"Work Product" shall include, without limitation, all designs, discoveries, creations, works, devices, masks, models, work in progress, service deliverables, inventions, products, special tooling, computer programs, procedures, improvements, developments, drawings, notes, documents, business processes, information and materials made, conceived or developed by Seller alone or with others that result from or relate to the Products. All Work Product shall at all times be and remain the sole and exclusive property of Seller. Buyer hereby agrees to irrevocably assign and transfer to Seller and does hereby assign and transfer to Seller all of its worldwide right, title and interest in and to the Work Product including all associated intellectual property rights. Buyer hereby waives any and all moral and other rights in any Work Product or any other intellectual property created, developed or acquired in respect of the Products. Seller will have the sole right to determine the treatment of any Work Product, including the right to keep it as trade secret, execute and file patent applications on it, to use and disclose it without prior patent application, to file registrations for copyright or trademark in its own name or to follow any other procedure that Seller deems appropriate. All tools and equipment supplied by Buyer to Seller shall remain the sole property of Seller.

10. Confidentiality

(a) Buyer may acquire knowledge of Seller Confidential Information (as defined below) in connection with Products and/or its performance hereunder and agrees to keep Seller Confidential Information in confidence during and following termination or expiration of this Agreement. "Seller Confidential Information" includes but is not limited to all information, whether written or oral, in any form, including, without limitation, information relating to the research, development, products, methods of manufacture, trade secrets, business plans, customers, vendors, finances, personnel data, Work Product, and other material or information considered proprietary by Seller relating to the current or anticipated business or affairs of Seller that is disclosed directly or indirectly to Buyer. In addition, Seller Confidential Information means any third party's proprietary or confidential information disclosed to Buyer in the course of providing Products to Buyer.

(b) Buyer agrees not to copy, alter or directly or indirectly disclose any Seller Confidential Information. Additionally, Buyer agrees to limit its internal distribution of Seller Confidential Information to Buyer's employees who have a need to know, and to take steps to ensure that the dissemination is so limited. In no event will Buyer use less than the degree of care and means that it uses to protect its own information of like kind, but in any event not less than reasonable care to prevent the unauthorized use of Seller Confidential Information. Buyer may disclose Seller Confidential Information that is required to be disclosed pursuant to a requirement of a government agency or law but only after Buyer provides prompt notice to Seller of such requirement and gives Seller the opportunity to challenge or limit the scope of the disclosure.

(c) Buyer further agrees not to use Seller Confidential Information except in the course of performing hereunder and will not use such Seller Confidential Information for its own benefit or for the benefit of any third party. All Seller Confidential Information is and shall remain the property of Seller. Upon Seller's written request, Buyer shall return, transfer or assign to Seller all Seller Confidential Information, including all Work Product, and all copies containing Seller Confidential Information.

11. Patent Indemnity

In the event any Product is made in accordance with drawings, samples or manufacturing specifications designated by Buyer, Buyer agrees to indemnify, defend, and hold Seller harmless from any and all damages, costs and expenses (including attorney's fees) relating to any claim arising from or relating to the design, distribution, manufacture, marketing, sale, or use of the Product or arising from or relating to a claim that such Product furnished to Buyer by Seller, or the use thereof, infringes any claim of any patent, foreign or domestic, and Buyer agrees at its own expense to undertake the defense of any suit against Seller brought upon such claim or claims.

12. Changes in Product Design or Manufacture

Seller shall have the right to change, discontinue or modify the design and construction of any of its products and to substitute material equal to or superior to that originally specified.

13. Software License

Software, if included with a Product, is hereby licensed and not sold. The license is nonexclusive, and is limited to use with the Product with which it is included. No other use is permitted and Seller retains for itself (or, if applicable, its suppliers) all title and ownership to any software delivered hereunder, all of which contains confidential and proprietary information and which ownership includes without limitation all rights in patents, copyrights, trademarks and trade secrets. Buyer shall not attempt any sale, transfer, sublicense, reverse compilation or disassembly (save to the extent expressly permitted by law) or redistribution of the software. Buyer shall not copy, disclose or display any such software, or otherwise make it available to others.

14. Compliance with Laws

Buyer shall comply with all laws and regulations applicable to Products including all applicable import and export laws and regulations. Buyer and Buyer's Agent shall provide all information requested by Seller relating to Seller's voluntary or mandatory compliance with any law or regulation, and Buyer shall indemnify Seller for any losses incurred by Seller arising from Buyer's or Buyer's Agent's failure to provide the information requested by Seller.

15. Waiver

No waiver of any provision of these terms and conditions (or any right or default hereunder) shall be effective unless in writing and signed by an authorized representative Seller. Any such waiver shall be effective only for the instance given, and shall not operate as a waiver with respect to any other rights or obligations under these terms and conditions or applicable law in connection with any other instances or circumstances.

16. Language

The parties have expressly required that these terms and conditions be prepared in the English language. Les parties aux présentes ont expressément exigé que les présents termes et les bons de commandes émis aux termes des présentes soient rédigés en langue Anglaise.

17. Choice of Law and Dispute Resolution

Except as set forth below, these terms and conditions shall be governed by and construed in accordance with the laws of the State of Texas, without reference to its choice of law rules. If both Seller and Buyer are incorporated under the laws of Canada or a province of Canada, these terms and conditions shall be governed by and construed in accordance with the laws of the Province of Ontario and the federal laws of Canada. If Buyer is incorporated in the United States, any claim or litigation arising out of or relating to Products shall be brought exclusively in a court of competent jurisdiction in Harris County, Texas. If Buyer is incorporated outside of the United States, any dispute will be resolved by arbitration in Houston, Texas, by three arbitrators and under the International Chamber of Commerce Rules of Arbitration. The language of the arbitration will be English. In all cases, Buyer and Seller expressly exclude from application the United Nations Convention on Contracts for the International Sale of Goods.

18. Assignment

Buyer may not assign, transfer or subcontract the performance of its services, or any of its rights and/or obligations hereunder, without Seller's prior written consent.

19. Severability

If any provision of these terms and conditions is determined to be illegal, invalid, or unenforceable, the validity and enforceability of the remaining provisions of these terms and conditions will not be affected and, in lieu of such illegal, invalid, or unenforceable provision, there will be added, as part of these terms and conditions, one or more provisions as similar in terms as may be legal, valid and enforceable under applicable law. CPS 04092020

20. Epidemic

Seller shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.



ZEELAND
Board of Public Works

Electric Reliability Report

April 14, 2026

ZBPW eReliability Benchmarking Report

- SAIDI is the average duration (in minutes) of an interruption per customer served by the utility.
- SAIFI is the average instances a customer on the utility system will experience a sustained interruption.
- CAIDI is the average duration (in minutes) of an interruption experienced by customers.
- MAIFI is the average number of momentary interruptions a utility customer will experience.

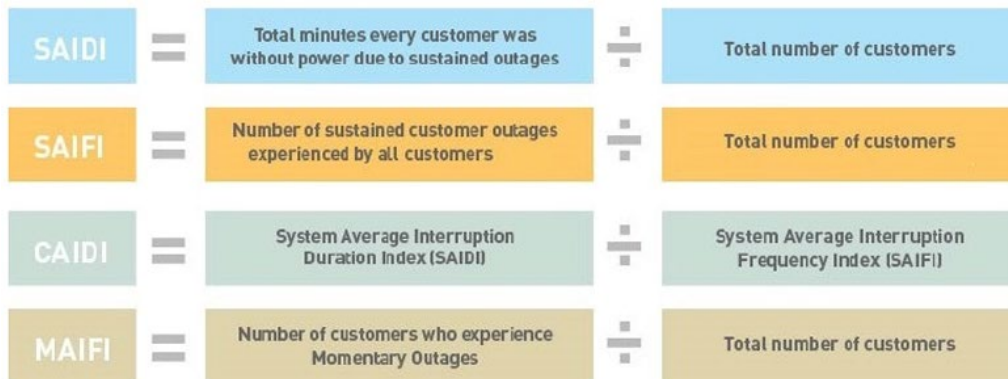


Figure 2. Regions

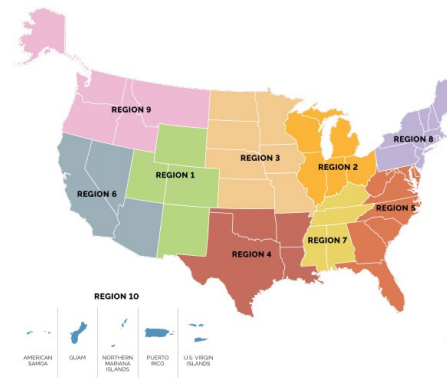
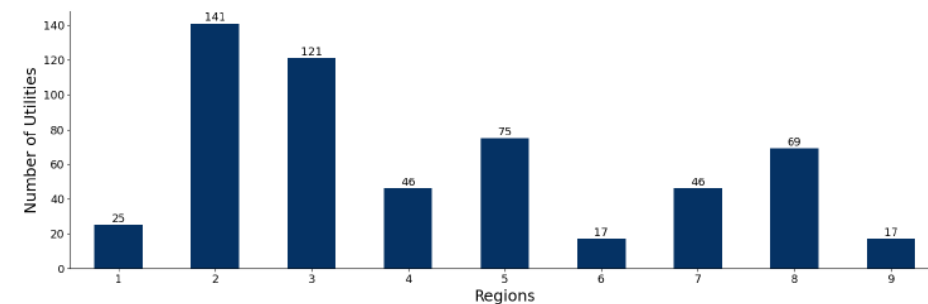


Table 1. Customer count range per size class

	Customer Count Range
Class 1	>0
Class 2	>1,511
Class 3	>3,518
Class 4	>7,262
Class 5	>14,547

Figure 1. Number of utilities subscribed to the PowerTRX Reliability by region



ZBPW 2025 Reliability Results

Table 2. Average SAIDI with and without MEs

In minutes

	All	No MEs	Unscheduled	Scheduled
Your utility	25.15	25.15	25.08	0.07
Utilities that use PowerTRX Reliability	110.25	54.6	106.69	6.51
Utilities in your region	103.13	38.51	100.1	4.69
Utilities in your size class	113.05	56.06	110.1	7.21

Table 3. Summary SAIDI data from the PowerTRX Reliability

In minutes

	All	No MEs	Unscheduled	Scheduled
Minimum	0.04	0.04	0.04	<0.01
First Quartile	20.91	12.73	19.08	0.2
Median	50.24	25.79	48.17	1.01
Third Quartile	111.47	54.03	108.6	4.63
Maximum	965.21	760.33	948.5	280.35

[2]: Customer minutes of interruption is calculated by multiplying total customers interrupted and total minutes of interruption.

Table 4. Average SAIFI with and without MEs

In interruptions

	All	No MEs	Unscheduled	Scheduled
Your utility	0.26	0.26	0.26	<0.01
Utilities that use PowerTRX Reliability	0.86	0.54	0.83	0.04
Utilities in your region	0.79	0.5	0.73	0.05
Utilities in your size class	0.9	0.49	0.88	0.03

Table 5. Summary SAIFI data from the PowerTRX Reliability

In interruptions

	All	No MEs	Unscheduled	Scheduled
Minimum	<0.01	<0.01	<0.01	<0.01
First Quartile	0.28	0.15	0.27	<0.01
Median	0.61	0.35	0.56	0.01
Third Quartile	1.12	0.71	1.09	0.05
Maximum	4.68	4.16	4.67	0.63

ZBPW 2025 Reliability Results

Table 6. Average CAIDI with and without MEs
In minutes

	All	No MEs	Unscheduled	Scheduled
Your utility	95.1	95.1	95.77	26.1
Utilities that use PowerTRX Reliability	114.78	94.95	113.99	161.38
Utilities in your region	105.2	87.07	104.95	129.24
Utilities in your size class	105.33	90.34	106.5	218.13

Table 7. Summary CAIDI data from the PowerTRX Reliability
In minutes

	All	No MEs	Unscheduled	Scheduled
Minimum	11.4	11.4	9.81	10.0
First Quartile	60.95	55.27	60.95	60.0
Median	93.37	78.01	91.69	91.21
Third Quartile	134.84	108.01	135.38	155.92
Maximum	834.46	577.44	842.31	4,453.93

Table 8. Average MAIFI
In interruptions

	All
Your utility	0.26
Utilities that use PowerTRX Reliability	0.44
Utilities in your region	0.36
Utilities in your size class	0.4

Table 9. Summary MAIFI data from the PowerTRX Reliability
In interruptions

	All
Minimum	<0.01
First Quartile	<0.01
Median	0.16
Third Quartile	0.51
Maximum	3.82

Distribution System – Outage Causes

2025 Outage Causes

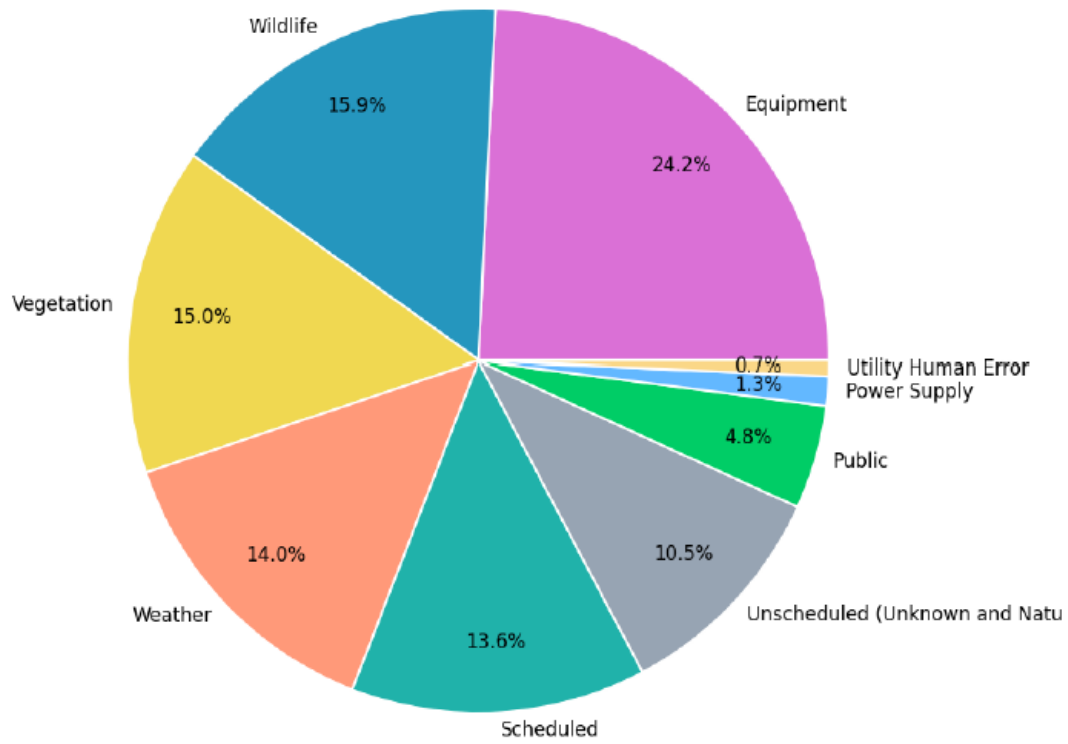


Figure 9. Top five causes of sustained outages for all utilities that use the PowerTRX Reliability^[3]

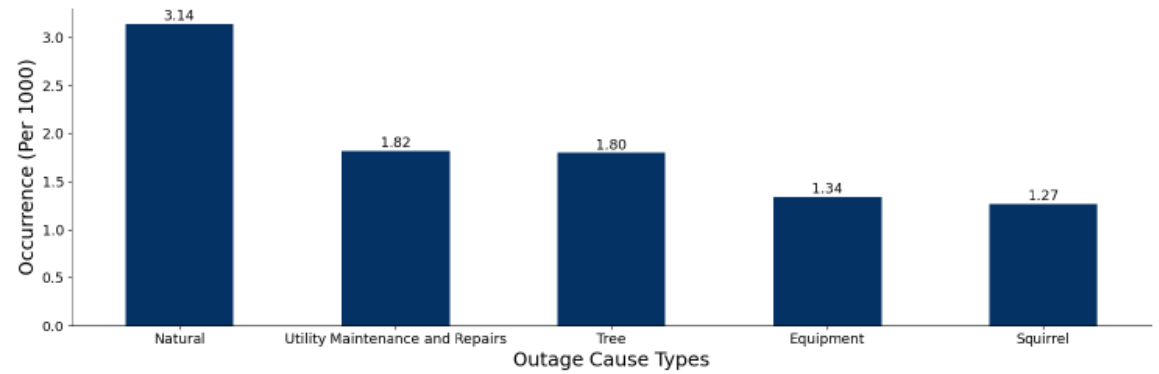
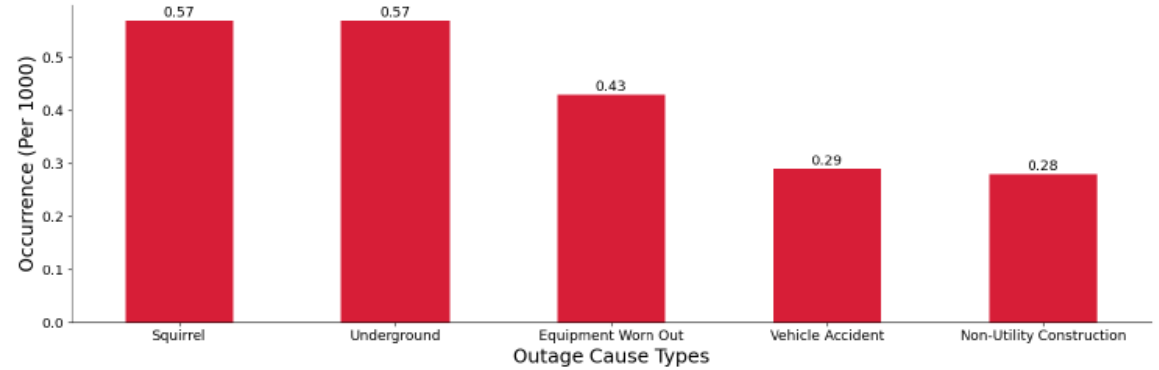


Figure 10. Top five causes of sustained outages for your utility^[4]



ZBPW Reliability Comparisons

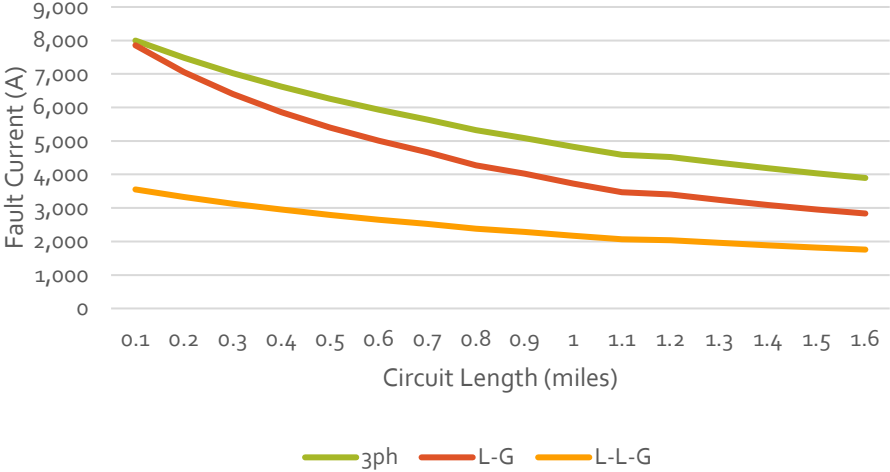
		2019	2020	2021	2022	2023	2024	2025
ALL	SAIDI	27.07	66.86	3.80	1.99	33.43	5.04	25.15
	SAIFI	0.89	0.69	0.11	0.01	0.26	0.13	0.26
	CAIDI	30.48	96.34	34.85	181.27	127.30	38.79	95.10
No ME	SAIDI	27.07	37.64	3.80	1.99	13.49	5.04	25.15
	SAIFI	0.89	0.65	0.11	0.01	0.14	0.13	0.26
	CAIDI	30.48	57.56	34.85	181.27	94.84	38.79	95.10
Zeeland BPW EIA Reliability Data								

		2019	2020	2021	2022	2023	2024	2025
ALL	SAIDI	257.09	410.68	436.58	317.43	315.84	356.97	N/A
	SAIFI	1.59	1.61	1.65	1.70	1.14	1.47	N/A
	CAIDI	147.50	194.04	191.01	156.00	242.60	231.28	N/A
No ME	SAIDI	135.77	136.91	131.61	144.64	113.85	131.67	N/A
	SAIFI	1.23	1.22	1.17	1.27	0.81	0.97	N/A
	CAIDI	103.38	104.11	104.22	105.15	129.81	124.32	N/A
Michigan Utilities EIA Reliability Data								

- Comparisons were made using Government EIA-861 form for all Michigan Electric Utilities
- 2025 Data for Michigan Utilities not yet been published
- Momentary outage information is not recorded by EIA-861

ZBPW Reliability Tools

Feeder Fault Current Map


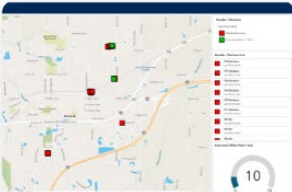
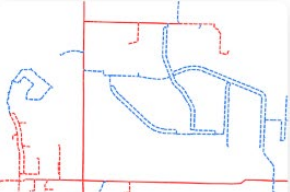
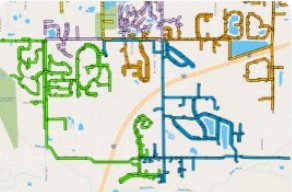

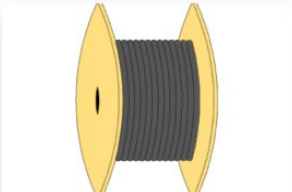




wire size	Cumulative Impedance		Impedance w Transformer		Z1	LL
	Z1 & Z24	Z05	Z1 & Z26	Z07		
750	0.01092+0.0184j	0.1354+0.05625j	0.05972+0.8983j	0.1842+0.93615j	0.02	2.2
477 HDX	0.03064+0.07928j	0.18093+0.23865j	0.07944+0.95918j	0.22973+1.11855j	0.08	8.6
477 HDX	0.05036+0.14016j	0.22646+0.42105j	0.09916+1.02006j	0.27526+1.30095j	0.15	15.0
477 HDX	0.07008+0.20104j	0.27199+0.60345j	0.11888+1.08094j	0.32079+1.48335j	0.21	21.5
477 HDX	0.0898+0.26192j	0.31752+0.78585j	0.1386+1.14182j	0.36632+1.66575j	0.28	27.9
477 HDX	0.10952+0.3228j	0.36305+0.96825j	0.15832+1.2027j	0.41185+1.84815j	0.34	34.4

ZBPW Reliability Tools


 Electric T&D Maps & Applications

GIS Home BPW Electric BPW Water Clean Water Plant Streets Garage

 Animal Guarding Explore	 Breaker Exercising Explore	 Circuit Map Explore	 Circuit Map 2.0 Explore
 Conductor Age Map Explore	 Conductor Footage Statistics Explore	 Electric Meters Explore	 Electric T&D Map Explore

8:47 LTE 98

Current Outages: 70

ZEELAND [Report an Outage Online](#)  **ZEELAND**
Board of Public Works Board of Public Works
or call (616)772-6212

Current Outages :

- Less Than 10
- Less Than 50
- Less Than 200
- Greater Than 200

Map Will refresh in 15 seconds.

ext.zeelandbpw.com

Distribution System – Restoration



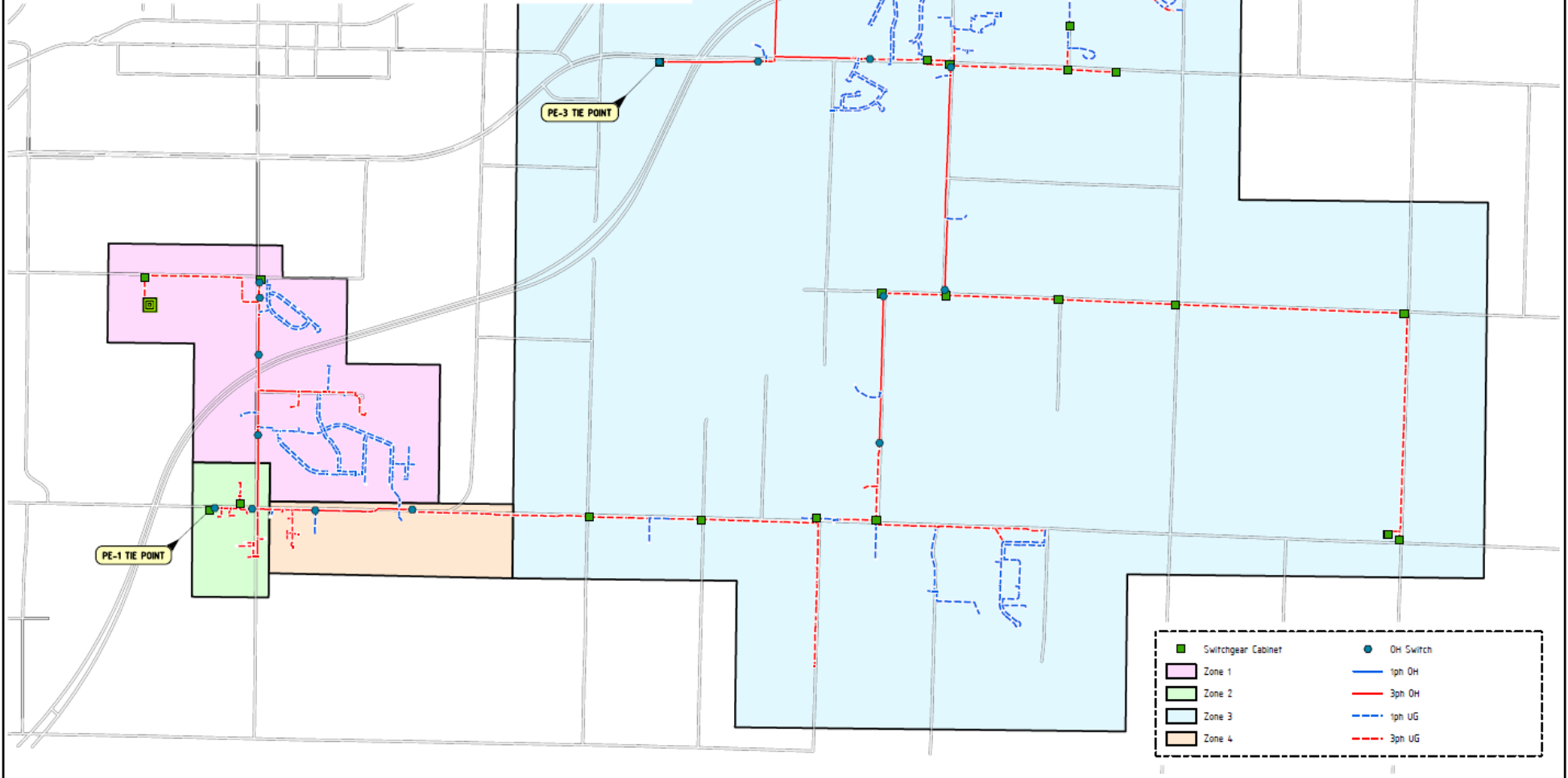
Distribution System – Mutual Aid



Distribution System – Mutual Aid



Zone	Time	Event	Customers Out	Customers On	Customers Restored
N/A	9/20/2025 8:08:00 PM	First Recloser Blink	236	538	538
N/A	9/20/2025 9:32:00 PM	Whole Circuit Outage	774	0	0
1	9/20/2025 9:36:00 PM	1st Sectionalizing (Bluff Lake St)	592	182	182
2	9/20/2025 9:46:00 PM	2nd Sectionalizing (Loves Truck Stop)	579	195	13
3	9/20/2025 10:10:00 PM	3rd Sectionalizing (Avid Hotel)	26	748	553
4	9/21/2025 3:12:00 PM	Full Restoration	0	774	26



TITLE: OUTAGE EVENT 9/20/2025

Fairview Substation Capacitor Failure







ZEELAND
Board of Public Works



Zeeland Board of Public Works

**2025 ANNUAL RELIABILITY
BENCHMARKING
REPORT**

POWERTRX™
RELIABILITY

**AMERICAN
PUBLIC
POWER.
ASSOCIATION**
Powering Strong Communities

I. About This Report

This report focuses on distribution system reliability across the country and is customized to each utility that participates in the American Public Power Association's PowerTRX Reliability powered by ESAMS. APPA created the Annual Reliability Benchmarking Report to assist utilities in their efforts to understand and analyze their electric system. In 2012, APPA developed the eReliability Tracker thanks to a grant from the Demonstration of Energy & Efficiency Developments (DEED) program. In 2025, APPA transitioned the eReliability Tracker to a new platform PowerTRX Reliability powered by ESAMS by partnering with HGW & Associates, Inc.

This report reflects data in the PowerTRX Reliability from January 1, 2025 to December 31, 2025. This analysis might not properly reflect your utility's statistics if you do not have a full year of data in the system. The report includes data recorded as of March 23, 2026.

Reliability reflects both historic and ongoing engineering investment decisions within a utility. Proper use of reliability metrics ensures that a utility is performing its intended function and is providing service in a consistent and effective manner.

While the primary use of reliability statistics is for self-evaluation, you can use these statistics to compare your utility with similar utilities. However, differences such as electrical network configuration, ambient environment, weather conditions, and number of customers served typically limit most utility-to-utility comparisons. Due to the diverse range of utilities that use the PowerTRX Reliability, this report endeavors to improve comparative analyses by grouping utilities by size and region.

Since this report contains data for all utilities that use the PowerTRX Reliability, it is important to consider how a particularly large or small utility can affect comparative benchmarks. To ease the issues associated with comparability, each utility's reliability statistics are weighted based on customer count when aggregated. This means that all utilities are equally weighted, and all individual statistics are developed on a per customer basis.

The aggregate statistics in this report are calculated from the 312 utilities with verified 2025 outage data. Utilities that experienced no outages in 2025, or did not upload any data, will have NULL, None, or "0" values in their report for utility-specific data and were not included in the aggregate analysis. Also note that log-normal data with a z-score^[1] greater than 3.25 may be excluded if it significantly distorts the aggregate statistics.

[1]: A z-score indicates how much a data point differs from the mean. For instance, a z-score of 3.25 indicates that the data point is three and one-quarter standard deviations from the mean. A z-score of 0 indicates that the data point is identical to the mean.

Utility Classifications

This report separates utilities into groups according to geographic region and the number of customers served. Table 1 shows the range of customer counts for utilities that use the PowerTRX Reliability by five distinct groups of approximately 111 utilities per group.

Your utility is in size class 3 and region 2.

Table 1. Customer count range per size class

	Customer Count Range
Class 1	>0
Class 2	>1,511
Class 3	>3,518
Class 4	>7,262
Class 5	>14,547

Each utility is also grouped with all other participating utilities within their region. Figure 1 shows the number of utilities using the PowerTRX Reliability in each region and Figure 2 shows the states and territories included in each region.

Figure 1. Number of utilities subscribed to the PowerTRX Reliability by region

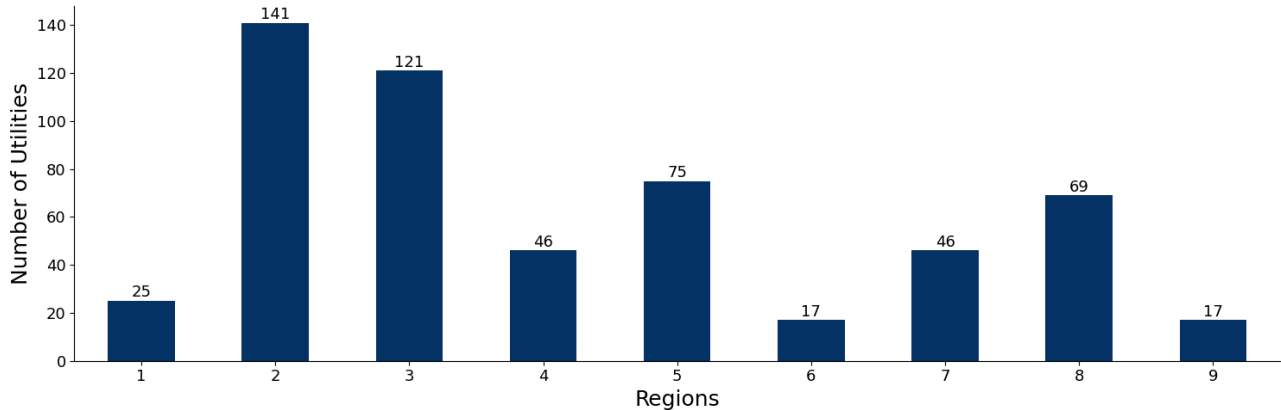
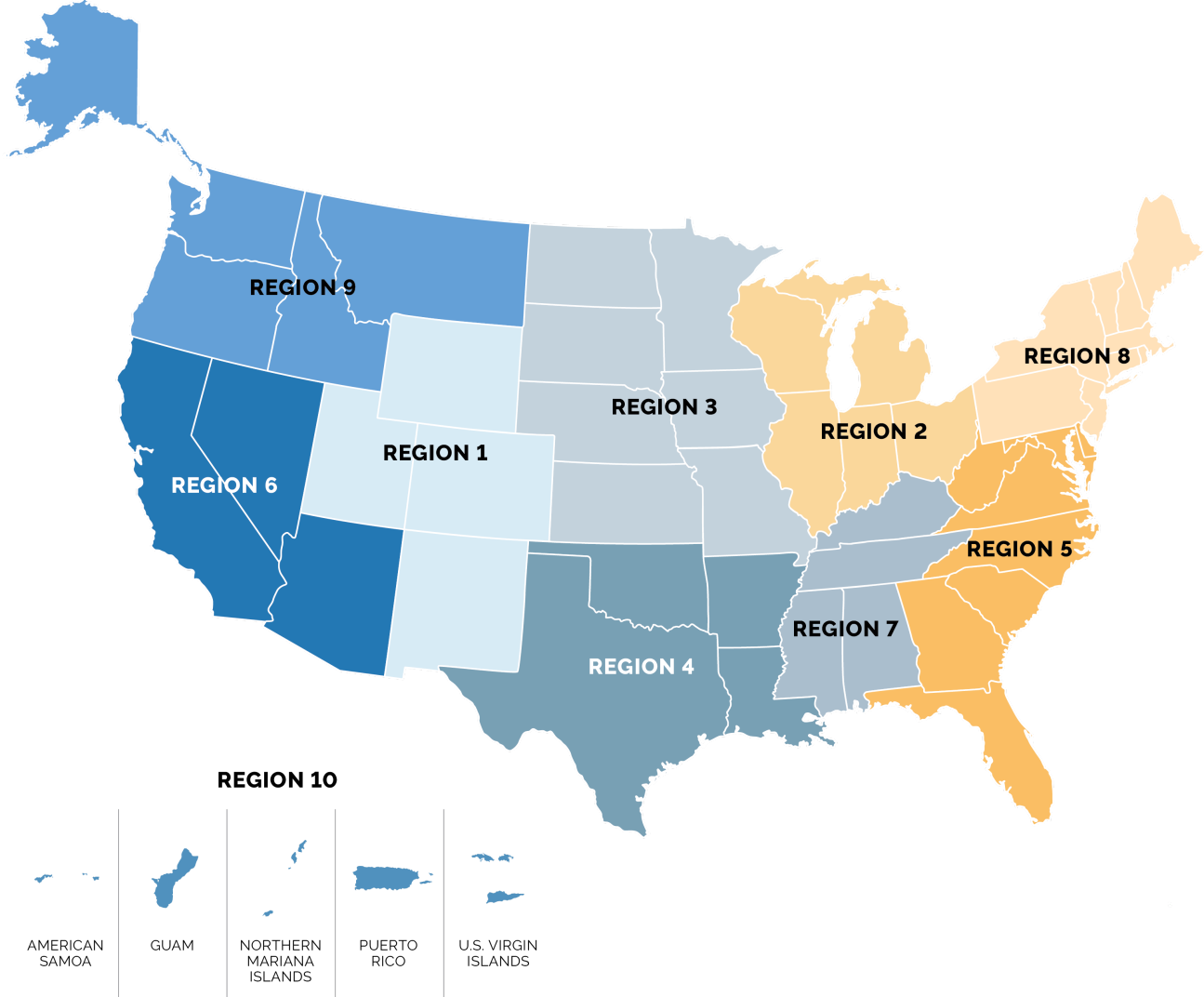


Figure 2. Regions



II. IEEE Statistics

When it comes to reliability, the industry standard metrics are defined in the Institute for Electrical and Electronics Engineers' Guide for Electric Power Distribution Reliability Indices, or IEEE 1366 guidelines. For each utility, the PowerTRX Reliability performs IEEE 1366 calculations for System Average Interruption Duration Index (SAIDI), System Average Interruption Frequency Index (SAIFI), Customer Average Interruption Duration Index (CAIDI), Momentary Average Interruption Frequency Index (MAIFI), and Average Service Availability Index (ASAI).

It is important to note how major events (MEs) are calculated and used in this report. An example of an ME includes severe weather, such as a tornado or hurricane, that leads to unusually long outages in comparison to your distribution system's typical outage. This report uses the **APPA ME threshold**, which is based directly on the SAIDI for specific outage events, rather than a daily SAIDI. The APPA ME threshold allows a utility to remove outages that exceed the IEEE 2.5 beta threshold for outage events, which considers up to 10 years of the utility's outage history. In the PowerTRX Reliability, if a utility does not have at least 36 outage events prior to the year being analyzed, then no threshold is calculated. If this is the case for your utility, then you will have a NULL value in the following field and the calculations without MEs in the SAIDI, SAIFI, CAIDI, and ASAI sections of this report will be the same as the calculations with MEs for your utility. More outage history will provide a better threshold for your utility.

Your utility's APPA major event threshold is [18.07](#) minutes.

For each of the reliability indices, this report displays your utility's metrics alongside the mean values for all utilities using the PowerTRX Reliability and within the same class and region as your utility. The first table within each of the following subsections allows you to better understand the performance of your electric system relative to other utilities nationwide and to those within your same region or size class. The second table breaks down the national data into quartile ranges, a minimum value, and a maximum value.

All indices, except MAIFI, are calculated for outages with and without MEs. Furthermore, the tables show indices for scheduled and unscheduled outages. Note that scheduled and unscheduled calculations include MEs. Also note that wherever MEs are excluded, the exclusion is based on the APPA ME threshold for your system.

II.1. System Average Interruption Duration Index

SAIDI is the average duration (in minutes) of an interruption per customer served by the utility during a specific time frame.

Since SAIDI is a sustained interruption index, only outages lasting longer than five minutes are included in the calculations. SAIDI is calculated by dividing the sum of all customer minutes of interruption^[2] within the specified time frame by the average number of customers served during that period. For example, a utility with 100 customer minutes of interruption and 100 customers would have a SAIDI of 1.

Note that in the tables below, scheduled and unscheduled calculations include MEs. Also note that wherever MEs are excluded, the exclusion is based on the APPA ME threshold for your system.

Table 2. Average SAIDI with and without MEs
In minutes

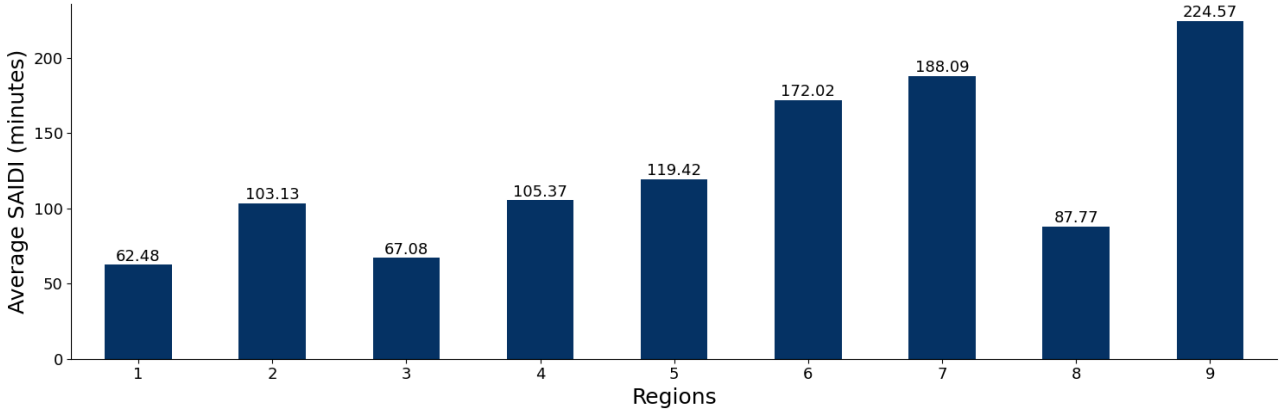
	All	No MEs	Unscheduled	Scheduled
Your utility	25.15	25.15	25.08	0.07
Utilities that use PowerTRX Reliability	110.25	54.6	106.69	6.51
Utilities in your region	103.13	38.51	100.1	4.69
Utilities in your size class	113.05	56.06	110.1	7.21

Table 3. Summary SAIDI data from the PowerTRX Reliability
In minutes

	All	No MEs	Unscheduled	Scheduled
Minimum	0.04	0.04	0.04	<0.01
First Quartile	20.91	12.73	19.08	0.2
Median	50.24	25.79	48.17	1.01
Third Quartile	111.47	54.03	108.6	4.63
Maximum	965.21	760.33	948.5	280.35

[2]: Customer minutes of interruption is calculated by multiplying total customers interrupted and total minutes of interruption.

Figure 3. Average SAIDI by region



II.2. System Average Interruption Frequency Index

SAIFI is the average instances a customer on the utility system will experience a sustained interruption during a specific time frame.

Since SAIFI is a sustained interruption index, only outages lasting longer than five minutes are included in the calculations. SAIFI is calculated by dividing the total number of customers that experienced sustained interruptions by the average number of customers served during that period. For example, a utility with 150 customer interruptions and 200 customers would have a SAIFI of 0.75.

Note that in the tables below, scheduled and unscheduled calculations include MEs. Also note that wherever MEs are excluded, the exclusion is based on the APPA ME threshold for your system.

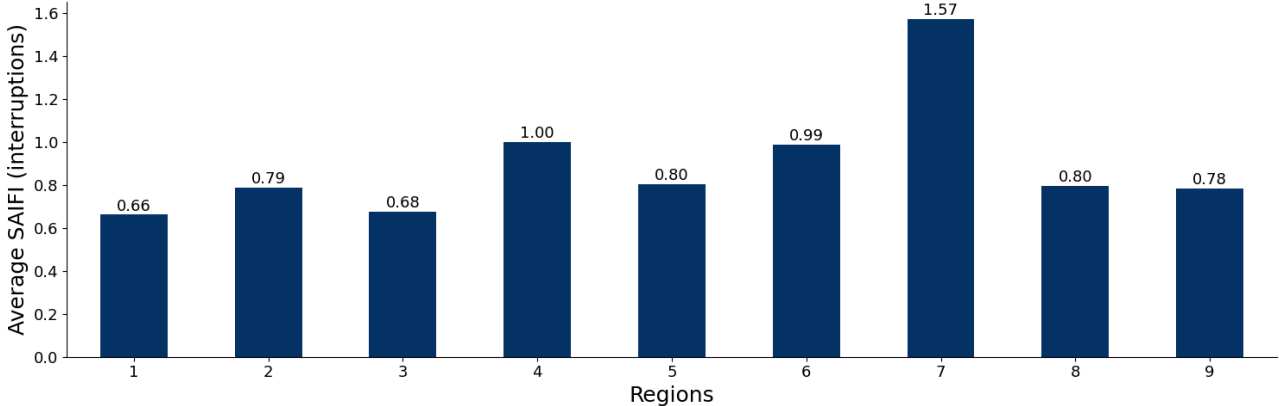
Table 4. Average SAIFI with and without MEs
In interruptions

	All	No MEs	Unscheduled	Scheduled
Your utility	0.26	0.26	0.26	<0.01
Utilities that use PowerTRX Reliability	0.86	0.54	0.83	0.04
Utilities in your region	0.79	0.5	0.73	0.05
Utilities in your size class	0.9	0.49	0.88	0.03

Table 5. Summary SAIFI data from the PowerTRX Reliability
In interruptions

	All	No MEs	Unscheduled	Scheduled
Minimum	<0.01	<0.01	<0.01	<0.01
First Quartile	0.28	0.15	0.27	<0.01
Median	0.61	0.35	0.56	0.01
Third Quartile	1.12	0.71	1.09	0.05
Maximum	4.68	4.16	4.67	0.63

Figure 4. Average SAIFI by region



II.3. Customer Average Interruption Duration Index

CAIDI is the average duration (in minutes) of an interruption experienced by customers during a specific time frame.

Since CAIDI is a sustained interruption index, only outages lasting longer than five minutes are included in the calculations. CAIDI is calculated by dividing the sum of all customer minutes of interruption by the number of customers that experienced one or more interruptions during that period. This metric reflects the average customer experience (minutes of duration) during an outage.

Note that in the tables below, scheduled and unscheduled calculations include MEs. Also note that wherever MEs are excluded, the exclusion is based on the APPA ME threshold for your system.

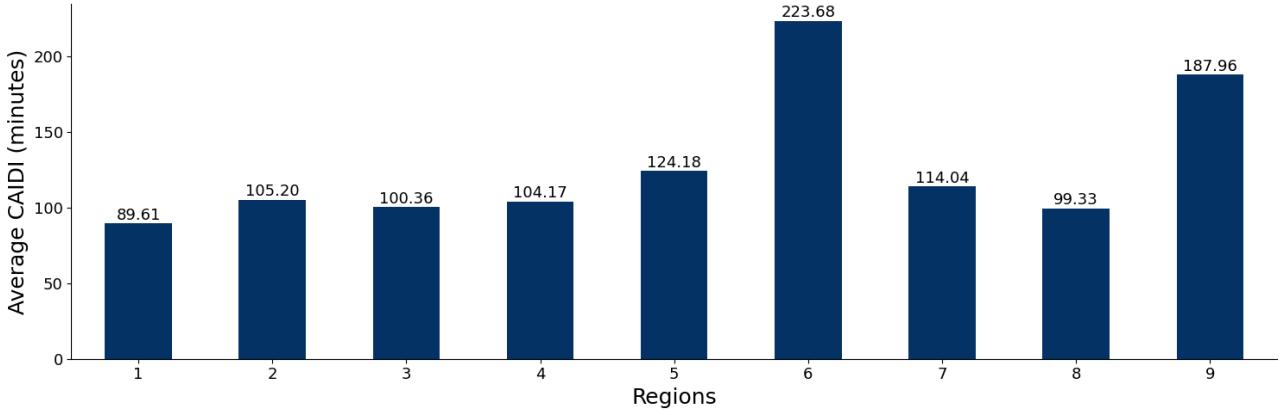
Table 6. Average CAIDI with and without MEs
In minutes

	All	No MEs	Unscheduled	Scheduled
Your utility	95.1	95.1	95.77	26.1
Utilities that use PowerTRX Reliability	114.78	94.95	113.99	161.38
Utilities in your region	105.2	87.07	104.95	129.24
Utilities in your size class	105.33	90.34	106.5	218.13

Table 7. Summary CAIDI data from the PowerTRX Reliability
In minutes

	All	No MEs	Unscheduled	Scheduled
Minimum	11.4	11.4	9.81	10.0
First Quartile	60.95	55.27	60.95	60.0
Median	93.37	78.01	91.69	91.21
Third Quartile	134.84	108.01	135.38	155.92
Maximum	834.46	577.44	842.31	4,453.93

Figure 5. Average CAIDI by region



II.4. Momentary Average Interruption Frequency Index

MAIFI is the average number of momentary interruptions a utility customer will experience during a specific time frame.

In this report, an outage with a duration of five minutes or less is classified as momentary. MAIFI is calculated by dividing the total number of customers that experienced momentary interruptions by the total number of customers served by the utility. For example, a utility with 20 momentary customer interruptions and 100 customers would have a MAIFI of 0.20.

Momentary interruptions can be more difficult to track and utilities without an automated outage management system might not log these interruptions; therefore, some utilities have a MAIFI of zero.

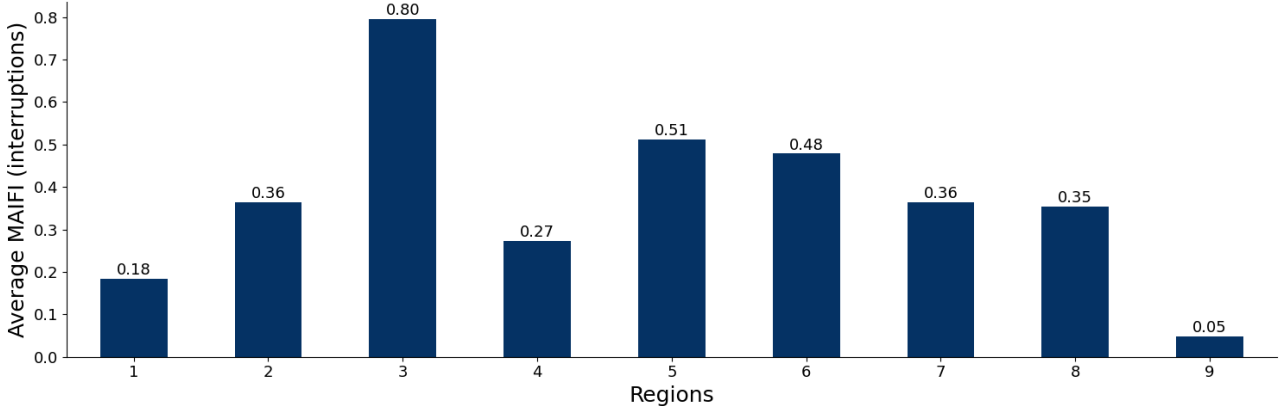
Table 8. Average MAIFI
In interruptions

	All
Your utility	0.26
Utilities that use PowerTRX Reliability	0.44
Utilities in your region	0.36
Utilities in your size class	0.4

Table 9. Summary MAIFI data from the PowerTRX Reliability
In interruptions

	All
Minimum	<0.01
First Quartile	<0.01
Median	0.16
Third Quartile	0.51
Maximum	3.82

Figure 6. Average MAIFI by region



II.5. Average Service Availability Index

ASAI is the percentage of time the sub-transmission and distribution systems are available to serve customers during a specific time frame.

This load-based index represents the percentage availability of electric service to customers within the period analyzed. It is calculated by dividing the total hours in which service is available to customers by the total hours that service is demanded by the customers. For example, an ASAI of 99.99% means that electric service was available for 99.99% of the time during the given period. Note that the higher your ASAI value, the better the performance.

In the tables below, scheduled and unscheduled calculations include MEs. Also note that wherever MEs are excluded, the exclusion is based on the APPA ME threshold for your system.

Table 10. Average ASAI with and without MEs

In percentage

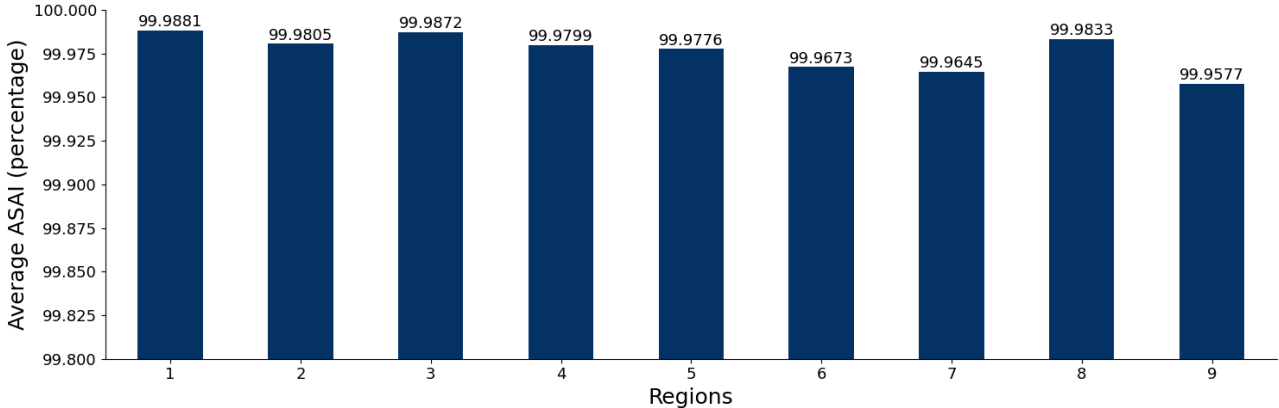
	All	No MEs	Unscheduled	Scheduled
Your utility	99.9955	99.9955	99.9955	99.9999
Utilities that use PowerTRX Reliability	99.9792	99.9897	99.9798	99.9987
Utilities in your region	99.9805	99.9927	99.9811	99.9991
Utilities in your size class	99.9785	99.9893	99.9791	99.9986

Table 11. Summary ASAI data from the PowerTRX Reliability

In percentage

	All	No MEs	Unscheduled	Scheduled
Maximum	99.9999	99.9999	99.9999	99.9999
First Quartile	99.9996	99.9975	99.9963	99.9999
Median	99.9906	99.9951	99.9908	99.9998
Third Quartile	99.9792	99.9899	99.9795	99.9991
Minimum	99.8163	99.8553	99.8195	99.9466

Figure 7. Average ASAI by region



II.6. Energy Information Administration Form 861 Data

Form EIA-861 collects annual information on electric power industry participants involved in the generation, transmission, distribution, and sale of electric energy in the United States and its territories.

In 2014, Energy Information Administration (EIA) began publishing reliability statistics in Form EIA-861; therefore, APPA included these statistics in this report for informational purposes. Please note that the following data includes 171 investor-owned, 467 rural cooperative, and 332 public power utilities that were large enough to be required to fill out the full EIA-861 form. The statistics do not include data from utilities that complete the EIA 861-S form, which smaller entities complete. Note that the 332 participating public power utilities include entities classified by EIA as municipal, political subdivision, and state. In addition, since the collection and release of EIA form data lags by a year, the data is based on 2024 data that was published October 7, 2025. Therefore, we suggest you only use the aggregate statistics contained herein as an informational tool for further comparison of reliability statistics.

In Form EIA-861, an entity provides SAIDI and SAIFI including and excluding ME days in accordance with the IEEE 1366-2003 or IEEE 1366-2012 standard.

Although EIA collected other reliability-related data, the tables below only include SAIDI and SAIFI data including and excluding ME days. You can download the full set of data at: www.eia.gov/electricity/data/eia861/.

Table 12. Your utility's SAIDI and SAIFI with and without IEEE ME days

SAIDI with IEEE ME days (minutes)	SAIDI without IEEE ME days (minutes)	SAIFI with IEEE ME days (interruptions)	SAIFI without IEEE ME days (interruptions)
25.15	25.15	0.26	0.26

Table 13. Summary SAIDI data from Form EIA-861, 2024

In minutes

	All	No MEs
Average	520.78	169.31
Minimum	0	0
First Quartile	80.85	54.00
Median	199.20	101.58
Third Quartile	403.56	180.00
Maximum	17,313.00	17,059.00

Table 14. Summary SAIFI data from Form EIA-861, 2024
In interruptions

	All	No MEs
Average	1.75	1.24
Minimum	0	0
First Quartile	0.84	0.64
Median	1.41	1.02
Third Quartile	2.26	1.61
Maximum	10.41	6.86

III. Outage Causes

Equipment failure, extreme weather events, wildlife, and vegetation are some of the most common causes of electric system outages. The following pie chart shows the percentages of the primary causes of outages for all utilities using the PowerTRX Reliability in 2025.

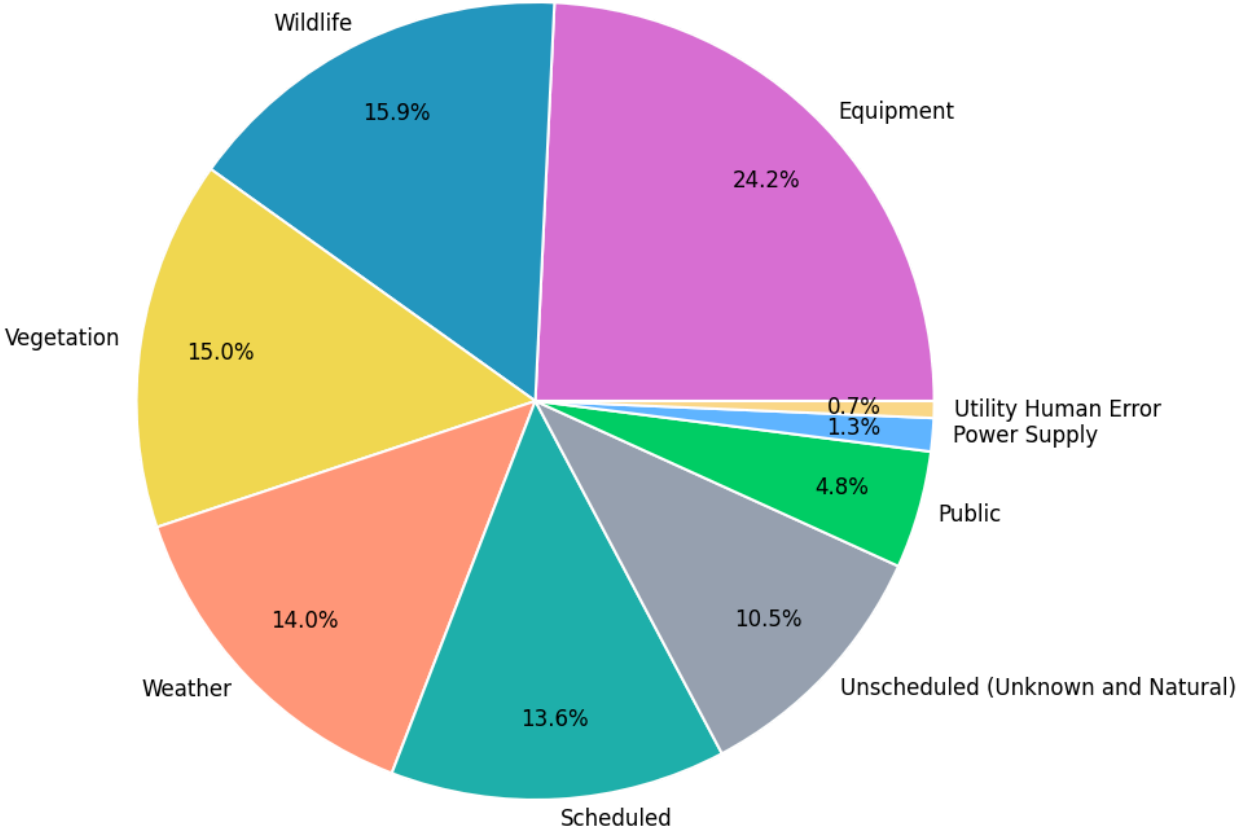


Figure 8. Primary causes of outages in 2025

Certain factors, such as regional weather and animal/vegetation patterns, can make some causes more prevalent for a specific group of utilities. The following section includes graphs depicting common causes of outages for your utility, all utilities in your region, and all utilities using the PowerTRX Reliability.

Charts containing aggregate information are customer-weighted to account for differences in utility size for a better analytical comparison. For example, a particularly large utility may have a large number of outages compared to a small utility. To avoid skewing the data toward large utilities, the number of cause occurrences is divided by customer size to account for the differences. In Figures 9 to 14, the data represent the number of occurrences for each group

of 1,000 customers. A customer-weighted occurrence rate of "1" means an average of one outage from that cause occurred per 1,000 customers in 2025.

Note that the sustained outage cause analysis is more comprehensive than the momentary outage cause analysis due to a larger and more robust sample size for sustained outages. Regardless, tracking both sustained and momentary outages helps utilities understand and reduce outages. To successfully use the outage information tracked by your utility, it is imperative to classify and record outages in detail. The more information provided per outage, the more conclusive and practical your analyses will be.

III.1. Sustained Outage Causes

In general, sustained outages are the most commonly tracked outage type. In analyses of sustained outages, utilities tend to exclude scheduled outages, partial power, customer-related problems, and qualifying major events from their reliability indices calculations. While this is a valid method for reporting, these outages should be included for internal review to make utility-level decisions. In this section, we evaluate common causes of sustained outages for your utility, corresponding region, and for all utilities that use PowerTRX Reliability powered by ESAMS. It is important to note that sustained outages are classified in this report as outages that last longer than five minutes, as defined by IEEE 1366.

Figure 9. Top five causes of sustained outages for all utilities that use the PowerTRX Reliability^[3]

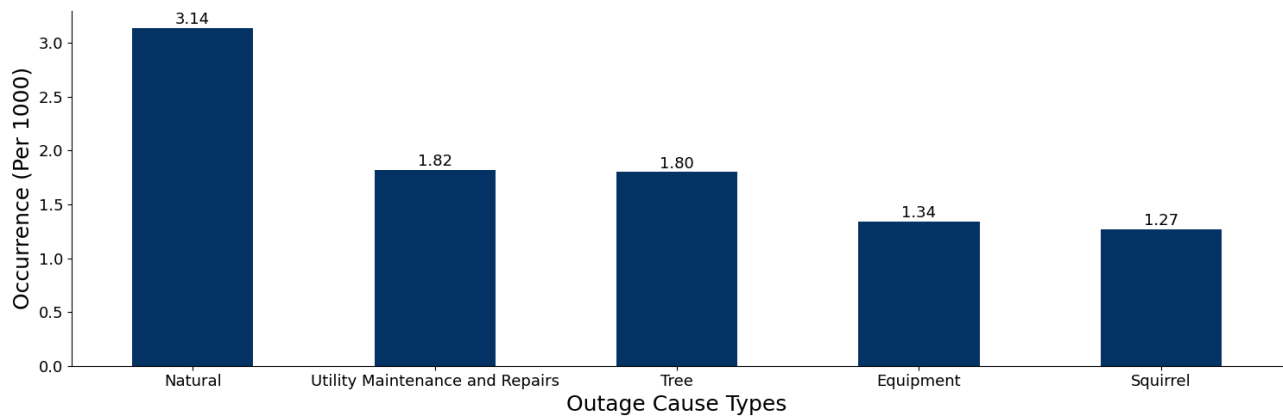
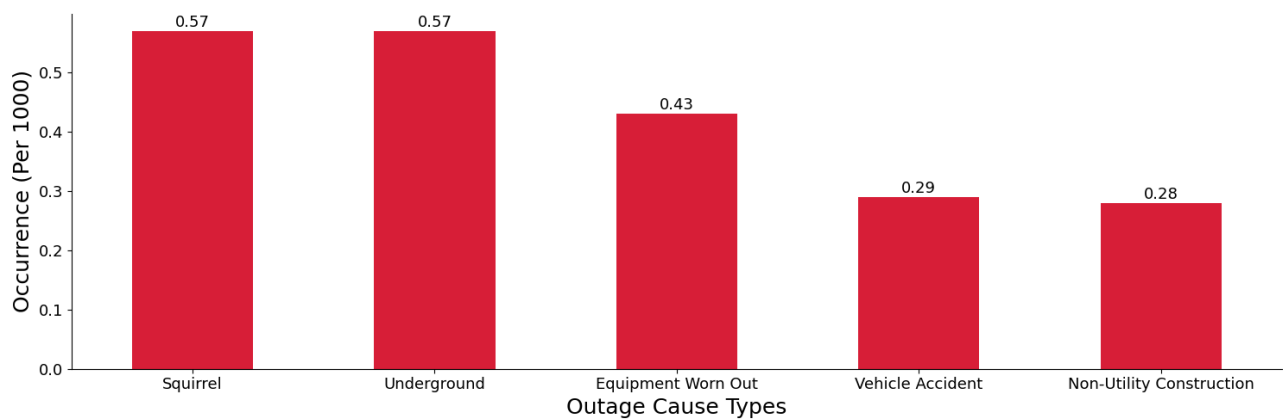


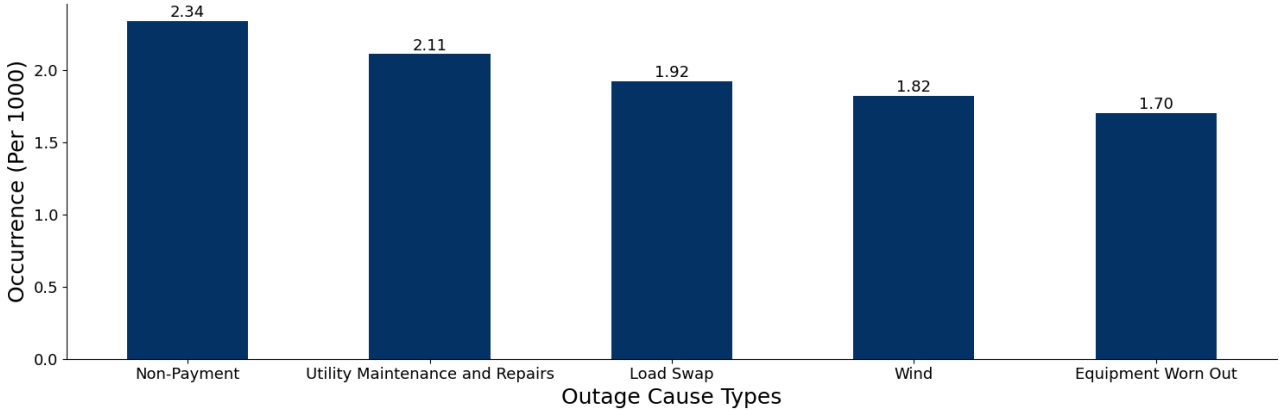
Figure 10. Top five causes of sustained outages for your utility^[4]



[3]: Cause occurrence rates reflect the total number of outages across all participating utilities. In some cases, a high occurrence rate for a specific cause may be driven primarily by a small number of utilities (or a single utility) that experienced a large number of outages for that cause during the reporting period.

[4]: The number of occurrences for each cause is divided by the utility's customer count (in thousands) to create an occurrence rate that can be compared across different utility sizes.

Figure 11. Top five causes of sustained outages in your region



III.2. Momentary Outage Causes

The ability to track momentary outages can be difficult or unavailable on some systems, but due to the hazard they pose for electronic equipment, it is important to track and analyze the causes of momentary outages. This section evaluates the common causes of momentary outages for your utility, region, and size class as well as common causes for all utilities that use the PowerTRX Reliability. Please note that only outages lasting less than five minutes are classified as momentary, as defined by IEEE 1366. In Figures 12–14, for each utility, the number of occurrences for each cause is divided by that utility's customer count (in thousands) to create an occurrence rate that can be compared across different utility sizes.

Figure 12. Top five causes of momentary outages for all utilities that use the PowerTRX Reliability

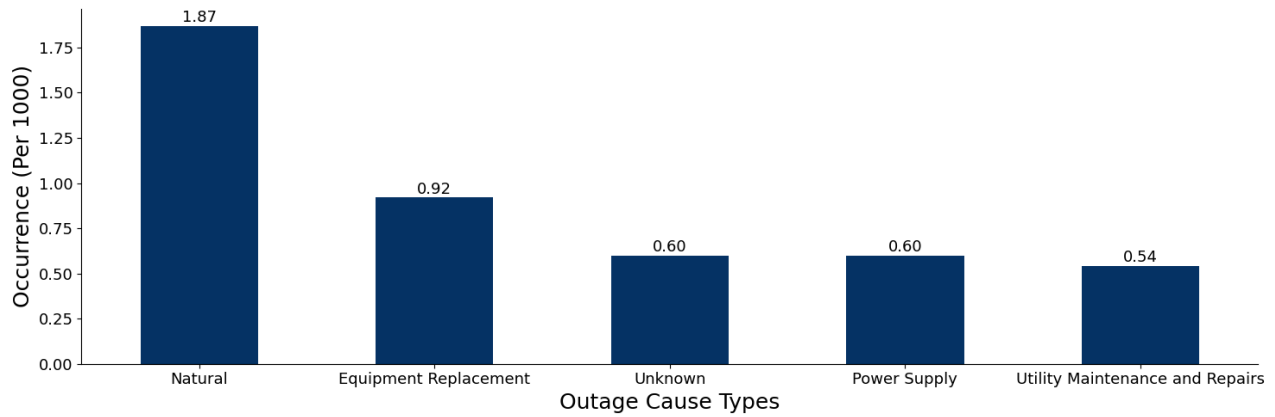


Figure 13. Top five causes of momentary outages for your utility

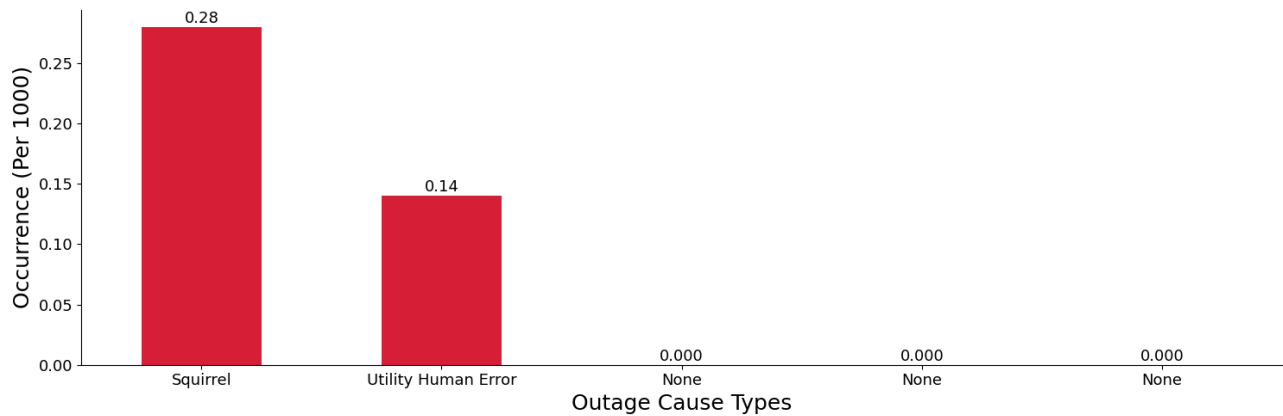
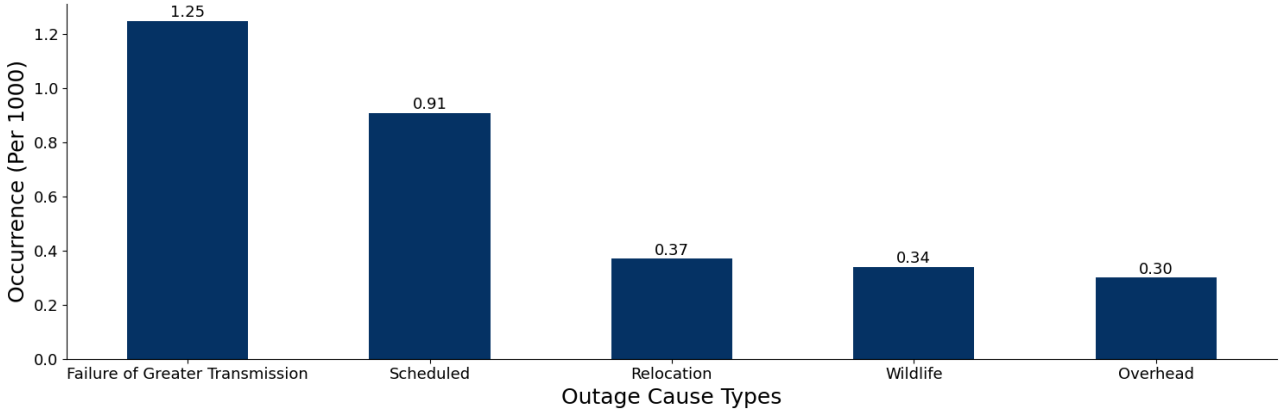


Figure 14. Top five causes of momentary outages in your region



Thank you for your active participation in the PowerTRX Reliability service. We hope this report is useful to your utility in analyzing your system. If you have any questions regarding the material provided in this report, please contact:

APPA's Reliability Team
PowerTRX@PublicPower.org

For more information on reliability, visit <https://www.publicpower.org/reliability-tracking>.

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ELECTRIC DEPARTMENT REPORT
February 2026

<u>OPERATIONS</u>	<u>February 2026</u>		<u>February 2025</u>		<u>PERCENT CHANGE</u>
BPW	171,576	KWH	155,438	KWH	10.4%
RENEWABLES	6,414,103	KWH	5,541,556	KWH	15.7%
PURCHASED POWER	31,241,122	KWH	29,188,000	KWH	7.0%
SYSTEM TOTAL	37,826,801	KWH	34,884,994	KWH	8.4%

<u>ENERGY SOLD</u>					
RESIDENTIAL	3,381,915	KWH	3,472,633	KWH	-2.6%
COMMERCIAL	2,190,925		2,785,418		-21.3%
INDUSTRIAL	29,295,054	KWH	28,560,964	KWH	2.6%
PUBLIC	2,228,800		2,237,221		-0.4%
SYSTEM TOTAL	37,096,694	KWH	37,056,236	KWH	0.1%

<u>CHARGES FOR SERVICES</u>					
RESIDENTIAL	\$371,690.32		\$357,508.79		4.0%
COMMERCIAL	\$234,379.64		\$267,335.25		-12.3%
INDUSTRIAL	\$2,401,325.69		\$2,205,036.29		8.9%
PUBLIC	\$199,936.25		\$190,515.39		4.9%
STREET LIGHTS	\$10,490.94		\$10,284.10		2.0%
TOTAL CHARGES	\$3,217,822.84		\$3,030,679.82		6.2%

<u>CUMULATIVE FOR FISCAL YEAR</u>					
KWH PURCHASED AND GENERATED	313,777,929	KWH	304,299,808	KWH	3.1%
KWH SOLD	308,001,547	KWH	299,680,946	KWH	2.8%
SYSTEM LOSSES	5,776,382	KWH	4,618,862	KWH	
SYSTEM LOSSES (PERCENT)	1.8%		1.5%		
TOTAL CHARGES FOR SERVICES	\$25,741,628.33		\$25,062,032.35		
AVERAGE RATE PER KWH SOLD	\$0.08358		\$0.08363		-0.1%

<u>PEAK HOUR</u>					
PURCHASED POWER - 2/24/26 @ 11AM	63,995	KW	65,443	KW	
POWER GENERATED	1,100	KW	0	KW	
TOTAL PEAK	65,095	KW	65,443	KW	-0.5%
ALL TIME PEAK - 91,663 KW - 6/24/25 @ 2PM					

<u>RENEWABLE ENERGY CREDITS</u>	Monthly RECs Generated	REC Bank (Available)	Pending (Est.)	Total (with Pending)
BEEBE WIND FARM	470	12,329	2,464	14,793
PEGASUS WIND FARM	2,953	74,156	15,002	89,158
ASSEMBLY SOLAR 1	948	30,555	3,644	34,199
ASSEMBLY SOLAR 2	1,214	38,473	4,524	42,997
INVENERGY SOLAR	837	36,613	2,258	38,871
BRANDT WOODS SOLAR	140	0	4,956	4,956
WHITE TAIL SOLAR	246	0	678	678
PURCHASED	0	0	0	0
TOTALS:	6,808	192,126	33,526	225,652
2025 COMPLIANCE REQUIREMENT:				64,442
2026 COMPLIANCE REQUIREMENT:				66,072
BALANCE (Carry Forward):				95,138

VOLUNTARY GREEN PROGRAM - 2025	0.0	59	0	59
VOLUNTARY GREEN PROGRAM - 2026	5.3	12	0	12

Note 1: 'Pending' RECs have been generated, are due to the BPW and are awaiting transfer

Note 2: RECs counts include estimated, applicable Michigan Incentive RECs (iRECs)

Note 3: 75,493 CY2025 Pending RECs were received from MPPA on 2/28/2026

JANUARY 2026 FUEL AND PURCHASED POWER COSTS

	<u>TOTAL COST</u>	<u>KWH</u>	<u>AVERAGE COST (MILLS)</u>
FUEL USED AT PLANT	\$49,612.46	230,813	214.95
PURCHASED POWER	\$2,585,775.42	37,655,225	68.67
SYSTEM TOTAL	\$2,635,387.88	37,886,038	69.56

POWER COST ADJUSTMENT FACTOR (PCA)

MONTHLY PCA CALCULATION: = (SYSTEM AVERAGE COST - 60.00) X 1.04 X 0.001	\$0.009943
PCA - 12 MONTH ROLLING AVERAGE:	\$0.006352

TO: Chairperson Boerman and Members of the Board of Public Works

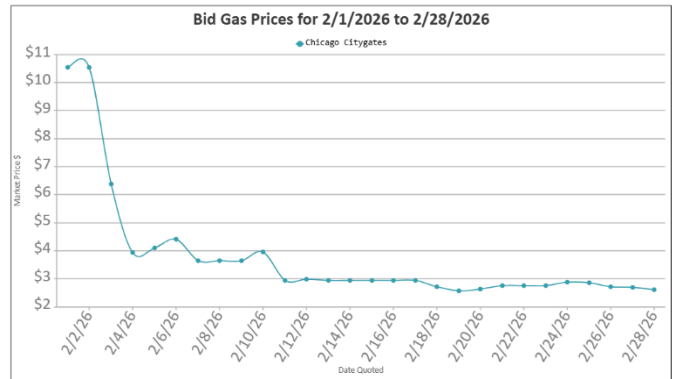
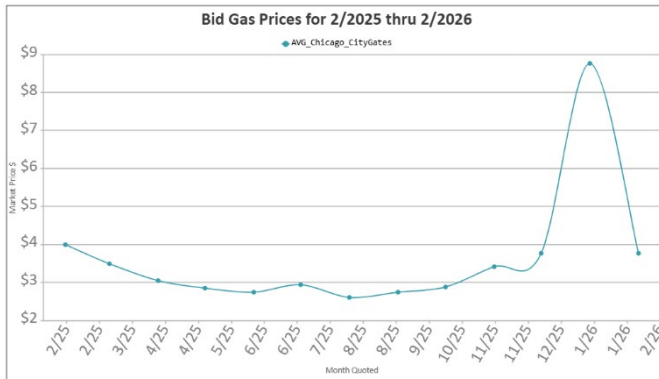
FROM: Robert Mulder - Power Supply & Market Operations Manager / Utilities Manager Designee

SUBJECT: Power Production and Buildings & Grounds Department Report

DATE: April 9, 2026

Operations & Power Supply: February 2026

- Operation of the BPW's on-system generating units increased (10.4%) year-over-year.
- BPW renewables increased 15.7% year-over-year, accounting for 17.0% of our monthly energy.
 - The BPW received 2,989,645 kWh from our (5) solar PPA's, 7.9% of our monthly energy.
 - The BPW received 3,424,458 kWh from our (2) wind PPA's, 9.1% of our monthly energy.
- Purchased power increased by 7.0% year-over-year, accounting for 82.6% of our monthly energy.
- Total energy requirements increased by 8.4% year-over-year for a total of 37,826,801 kWh.
- System demand decreased slightly (0.5%), reaching a peak of 65,095 kW on 2/24/2026.
- February began with elevated pricing in response to Winter Storm Fern but quickly moderated as the month progressed. Overall, average MISO market prices increased year-over-year due to the impact of Winter Storm Fern early in the month.
 - Day-Ahead average: \$52.077/MWh (+9.32% year-over-year)
 - Real-Time average: \$58.521/MWh (+27.56% year-over-year)
- Natural gas spot market prices:
 - The month began at \$10.55/MMBtu and closed at \$2.62/MMBtu, with significant volatility early in the month due to Winter Storm Fern.
 - Monthly average: \$3.775/MMBtu – A (22.9%) decrease year-over-year from February 2025's average of \$4.004/MMBtu.



Renewable Energy Credits (RECS): February 2026

- During February, an estimated 6,808 RECs were generated (pending) in the MIRECS system from Beebe, Pegasus Wind, and the Assembly / Invenergy / Brandt Woods / White Tail Solar PPAs.
- Voluntary Green Program participation remained steady with five (5) customers, totaling 5.3 RECs.
- The BPW's MIRECs account balance presently stands at 192,126 (2023-2025 vintage), with a projected total of 225,652 including pending RECs. The 2025 compliance requirement is 64,442, resulting in a projected balance of 161,210 after compliance.

Projects & Department Updates

- **Integrated Resource Plan (IRP) Update & Stakeholder Engagement Project:** The third and final Stakeholder Working Group (SWG) session was held on Thursday, March 19, 2026, at the Howard Miller Community Center. BPW staff and the nFront team presented to the group on the preliminary results of the IRP. Steve Donkersloot from MPPA also presented on the services the Agency provides to its members and introduced MPPA's Behind-The-Meter Generation (BTMG) strategic initiative. nFront is preparing their final report, which will be presented to the BPW Board in the coming weeks. Visit the BPW's Power Supply Strategic Planning website for additional updates:
<https://zeelandbpw.com/power-generation-supply>
- **MPPA BTMG Initiative:** MPPA continues to make progress on exploring the potential for member owned, and possibly jointly owned, Behind-The-Meter Generation (BTMG) projects to address open capacity positions in most member portfolios. Zeeland is actively participating in this endeavor as a parallel initiative to our IRP, exploring potential options to position ourselves to move forward as opportunities arise. MPPA has expressed a sense of urgency as the agency has significant open positions after 2030, and the markets traditionally used to fill these positions are limited.
- **Power Plant Natural Gas Main Replacement Project:** A concrete pad has been poured on the east side of the plant by SEMCO, and work on installation of the gas piping stand will begin soon. This work is expected to be completed by mid-May, and involves both SEMCO Energy, the BPW, and Northern Boiler Mechanical, contracted by the BPW.
- **Employee Retirements:** An open position for an Electric System Operator was posted in early January, in preparation for Bryan Kuiken's upcoming retirement. Several applicants have been interviewed, with several more scheduled over the next two weeks.

Buildings & Grounds

- **BPW Office Remodel & Expansion Project:** The project remains substantially on schedule targeting a mid-June completion date. The project budget remains on track and on budget. A tentative move-in date and re-opening of late July is being finalized.
- **General Facilities Work:** Buildings & Grounds staff remain busy with various indoor facilities improvement projects, spring clean-up, and supporting construction of the building remodel and expansion project.

TO: Chairperson Boerman and Members of the Board of Public Works
 FROM: Robert Mulder - Power Supply & Market Operations Manager
 SUBJECT: Bid Recommendation – Power Plant Cooling Tower Controls PLC Upgrade
 DATE: April 3, 2026

The prime movers for generating units 1, 2, 7, and 8 at the Washington Ave. Generation Facility utilize a shared system for engine cooling and thermal management referred to as the ‘general’ system. This system includes three cooling towers and their associated valves, pumps, fans, and instrumentation.

Sequencing and control are managed by a stand-alone PLC and Human Machine Interface (HMI) that are not integrated into the electric SCADA system. The PLC and HMI were installed in 2005 and have not received significant upgrades since. Although these units operate infrequently due to their age and efficiency, staff believe upgrades to modernize controls, enhance notifications, and ensure reliability are warranted.

A scope of work was developed and issued to two professional service providers for bid, consisting of:

- Upgrade the Allen-Bradley CompactLogix controller to a supported version with adequate memory and Modbus/TCP for integration with SCADA
- Convert the existing PLC program for the new controller, download, and verify operation
- Programming to incorporate Modbus/TCP server capabilities for integration with SCADA, including:
 - Duplicate PLC tags for SCADA display and control, mirroring existing HMI functionality
 - Furnish a spreadsheet for SCADA development with tag names, addresses, and the like
- Add program logic for “Summer” & “Winter” modes of operation (limited scope)
- Commissioning, testing, and associated travel expenses

BPW staff will develop and test SCADA graphics and tags and provide network connectivity. Upon completion, plant operators will be able to monitor and control the equipment via SCADA in addition to the local HMI.

A summary of the bids is provided below:

Bidder	Location	Total Bid	Notes
Parkway	Holland, MI	\$15,032.00	Recommendation
Theka Engineering Solutions	Muskegon, MI	\$18,400.00	

The BPW has used both Parkway and Theka Engineering Solutions for many years. Both are trusted contractors capable of performing the work, and both proposals satisfied the requirements outlined in the scope of work. Parkway submitted the low bid and is the recommended provider for this service.

Recommendation:

Staff recommend awarding a contract to Parkway in the amount of \$15,032.00 to upgrade the Power Plant cooling tower controls PLC as outlined above. Additionally, staff recommend that a budget of \$20,000 be established for the project, providing some contingency and an allowance for miscellaneous material purchased by BPW staff to complete the project. A \$35,000 allocation for this project was included in the FY2026 Generation System Improvements Capital Improvement Plan. If approved, all expenses associated with this expenditure will be allocated accordingly.

Attachments: Parkway Quote Number: 44238Q1 – Cooling Tower CompactLogix PLC Upgrade (3/18/2026)



4/3/2026

Robert Mulder
Zeeland Board of Public Works

Quote Number: 44238Q1

Re: Cooling Tower CompactLogix PLC Upgrade

Dear Robert,

Thank you for the opportunity to provide Zeeland Board of Public Works with this quote for upgrading your existing Cooling Tower CompactLogix PLC and power supply.

Scope of Work

This proposal consists of the material and engineering / installation labor for upgrading the existing Cooling Tower CompactLogix PLC.

The following are included as part of this proposal:

1. Material
 - 1.1. Allen Bradley CompactLogix 5370 L3 Controller, Dual Ethernet w/DLR capability, 1MB Memory, 8 I/O Expansion.

2. Labor
 - 2.1. Engineering for converting the existing PLC program to updated version.
 - 2.2. Programming to incorporate Modbus TCP Server capabilities into PLC program.
 - 2.3. Mapping of PLC tags associated with the FactoryTalk View ME HMI program to Modbus TCP addresses to allow integration into current SCADA software.
 - 2.4. Programming for mirroring HMI commands to allow functionality from SCADA.
 - 2.5. Provide a spreadsheet of the Modbus TCP address tag mappings.
 - 2.6. Provide up to eight hours of programming for implementing Summer / Winter modes of operation.

Any modifications to the scope of work listed above must be approved by Parkway, and a written change order completed before the requested work will be performed.



Customer Responsibilities

The customer will be responsible for the following:

1. Providing Ethernet cable from ECP001 to SCADA network.
2. Any SCADA programming required to incorporate Cooling Tower system into existing SCADA.
3. Be available to assist with startup and testing to verify proper operation.

Notes & Assumptions

This proposal has been prepared under the following assumptions:

1. No training is included in this proposal.
2. This proposal is based on all work being performed at a regular hourly rate, unless noted. If there is a need to accelerate the schedule, Parkway will provide a quote, with overtime, for the requested shortened schedule.
3. If additional start-up time is required (beyond that which is stated in the scope of work), it will be billed on a T&M basis.
4. All changes by an authority having jurisdiction or authorization to do so will alter this proposal.
5. Where the price of material, equipment, or energy increases prior to acceptance of a quote, the quote sum may be adjusted.
6. No allowances are included in this proposal.
7. Nothing in this quote should be construed as a substitute for a consultation with a tax professional.

Pricing

Pricing for the services outlined in the above scope of work is shown below.

Quote Amount: \$15,032.00

If paying via credit card a 3% processing fee will be added.

The quoted price includes sales, use excise or other similar taxes.

Project Schedule

All delivery timing is subject to the Parkway workload at the time of issuance of the purchase order.



Quotation Terms & Conditions

This quotation is subject to the Parkway Electric & Communications LLC standard terms and conditions and is valid for 30 days. For a complete listing of the Parkway standard terms and conditions, please refer to the "terms of sale" link located on our website at www.parkway.us

Milestone Payment Schedule

The project will be billed according to the milestone payment schedule outlined below:

- A 25% down payment will be invoiced upon receipt of the signed quote or Purchase Order.
- Monthly billing of labor & materials.
- Last 10% upon delivery of final documentation.

If you have any questions regarding this quotation, do not hesitate to contact me at 616-820-1292.

Customer Acceptance

Please reference 44238Q1 on any purchase orders generated from this quotation.

Accepted by

Date

Title

Thank you for the opportunity to provide Zeeland Board of Public Works with this quotation.

Sincerely,

Jeff Pratt

Jeff Pratt
Control System Engineer



TO: Chairperson Boerman and Members of the Board of Public Works

FROM: Robert Mulder - Power Supply & Market Operations Manager

SUBJECT: Professional Services Recommendation – Behind the Meter Generator Interconnection Study

DATE: April 9, 2026

As the BPW's Integrated Resource Plan (IRP) approaches completion, staff have begun taking steps to initiate the next phase of the process, should a decision be made to install additional on-system generation. These steps include preliminary assessments of the following:

- Environmental permitting and siting requirements and restrictions
- Fuel availability and associated upgrade costs
- Electrical interconnection study

Staff are pursuing this initiative based on local needs and also in collaboration with the Michigan Public Power Agency (MPPA) as part of their Resource Adequacy BTMG strategic initiative, to evaluate the potential for hosting a larger, jointly owned project in the community. Both Zeeland and MPPA view this initiative as a strategic objective requiring prompt action to mitigate escalating risk, as options for traditional capacity resources to ensure resource adequacy become more limited.

Thus far, a preliminary environmental assessment has been initiated with a consultant and discussions with our natural gas local distribution company (LDC), SEMCO Energy, remain ongoing regarding the necessary upgrades and associated costs to support a range of potential project sizes. Staff have performed a preliminary review of the generator electrical interconnection limitations for several scenarios, but feel a more detailed analysis is needed than can be performed in-house. While MPPA will also be evaluating this, that will be at a higher level intended to identify fatal flaws and significant limitations.

Power System Engineering, Inc. (PSE) based in Madison, Wisconsin, has been providing engineering consultation services to the industry since 1974, including the BPW and several other Michigan Municipal Electric Association members. Although the BPW has not used their services extensively in recent years, staff believe this project is a good fit for PSE based on their experience, staff, and overall depth and capabilities. Accordingly, a scope of work and supporting documentation were provided to PSE, identifying the following objectives:

- Identify viable development pathways early
- Understand system capabilities and constraints
- Evaluate cost and performance trade-offs
- Make informed, defensible investment decisions

In response to our request, PSE prepared a proposal segmenting the project into three distinct phases, consisting of:

- Phase 1: Screening, Feasibility & Preliminary Costing
- Phase 2: Detailed System Performance & Integration Analysis
- Phase 3: Scenario Comparison & Strategic Insight

This phased approach is intended to provide BPW with progressive levels of technical insight, while maintaining control over scope, cost, and overall effort throughout the study. At the conclusion of each phase, PSE will present key findings, risks, and preliminary conclusions that will support staff's decision to proceed, revise scope, pause, or terminate further analysis based on feasibility or projected economics. This approach ensures that higher-level feasibility and system constraints are identified early, allowing BPW to avoid unnecessary investment in detailed engineering or analysis for scenarios that may not advance.

The estimated cost of each phase is provided in the table below.

Phase	Estimated Cost	Duration	Notes
Phase 1 Screening, Feasibility & Preliminary Costing	\$20,000 - \$28,000	4-6 Weeks	Current Recommendation
Phase 2 Detailed Performance & Integration Analysis	\$35,000 - \$45,000	4-6 Weeks	Anticipated
Phase 3 Scenario Comparison & Strategic Insights	\$10,000 - \$15,000	2-3 Weeks	Anticipated
Total Project:	\$65,000 - \$88,000	10-15 Weeks	Total Anticipated Cost

Although envisioned as a comprehensive project, each phase will be authorized independently, allowing BPW to evaluate results at the conclusion of each phase before proceeding. PSE has committed to coordinating with BPW staff throughout the project to review interim findings, confirm assumptions, and ensure results align with the IRP process as it nears completion.

Recommendation:

Staff recommend that a professional services contract not exceeding \$28,000 be awarded to Power System Engineering, Inc. (PSE) to perform Phase 1 of the Behind the Meter Generation Interconnection Study as outlined in their proposal. Furthermore, staff request that a budget of \$88,000 be established for this project, anticipating that subsequent phases will be executed upon satisfactory completion of Phase 1. Staff will request Board approval for subsequent phases at a later time, but anticipate the project will be executed in full, aligning with the total estimated project cost of \$65,000 - \$88,000.

If approved, all expenses associated with this project will be allocated to the electric department administrative costs for both FY2026 and FY2027 as received. Staff anticipate that these costs will be reallocated to the New Generation Capital Improvement Project if the project proceeds.

Attachments: PSE Proposal – Behind the Meter Generation Interconnection Study (April 6, 2026)



April 6, 2026

[Sent via email: bobm@zeelandbpw.com]

Mr. Robert Mulder
Electric Power Supply & Market Operations Manager
Zeeland Board of Public Works
350 E. Washington Avenue
Zeeland, MI 49464

Subject: Behind the Meter Generation Interconnection Study

Dear Mr. Mulder,

Power System Engineering, Inc. (PSE) appreciates the opportunity to submit this phased approached proposal to the Zeeland Board of Public Works (BPW) to support the evaluation of potential behind-the-meter generation interconnection scenarios. This effort builds upon the ongoing Integrated Resource Plan (IRP) and is intended to provide a detailed engineering assessment of system capabilities, constraints, and infrastructure requirements associated with the integration of new generation resources

Background

The Zeeland BPW is a municipally owned utility serving approximately 7,000 electric customers with an annual energy requirement of approximately 450,000 MWh and a summer peak load approaching 90 MW. The system is characterized by a strong commercial and industrial customer base, representing over 85% of total energy consumption and contributing to a concentrated and growing load profile.

Zeeland BPW participates in the MISO market through MPPA and maintains a diverse power supply portfolio, including owned generation, PPAs, and market purchases. The utility also operates approximately 34.5 MW of behind-the-meter (BTM) generation, primarily serving as a capacity resource.

As part of the IRP currently underway, Zeeland BPW is evaluating how to:

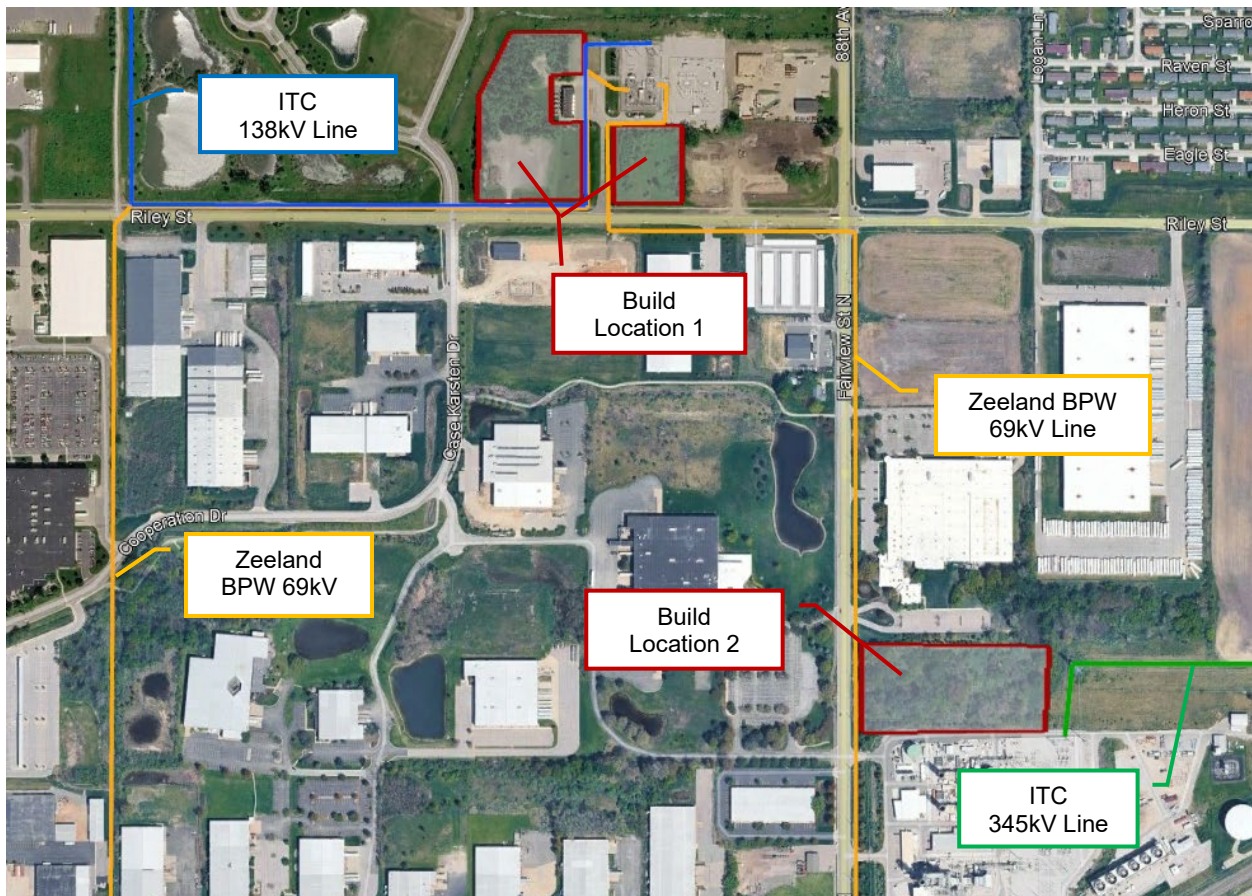
- Address aging BTM assets and future capacity needs
- Manage load growth and industrial concentration risk
- Meet evolving renewable and clean energy requirements
- Maintain reliability while managing long-term costs

Within this context, BTM generation has emerged as a key strategic lever, prompting the need to evaluate how new resources can be effectively integrated into the system.

Support Request

To support IRP development and future implementation planning, Zeeland BPW has requested an engineering evaluation of BTM generation across three scenarios illustrated in the following table and aerial imagery.

Scenario	Build Location	Interconnection Voltage(s)	Capacity Range	Key Electrical Characteristics
High Limit Build	1	69kV /138 kV	Up to 75 MW	<ul style="list-style-type: none"> Existing generation and substation infrastructure Short interconnection distance
Moderate Build	1	12.47kV	10 to 20 MW	<ul style="list-style-type: none"> Transmission and distribution access Constraints driven by: <ul style="list-style-type: none"> 69kV loop 12.47kV feeder limits
Vacant Land Build	2	12.47kV / 69kV / 345kV	Up to 75 MW	<ul style="list-style-type: none"> Access to: <ul style="list-style-type: none"> 12.47kV distribution 69kV transmission 345kV transmission Greater flexibility with potential for higher-capacity development



Proposed Approach and Scope of Work

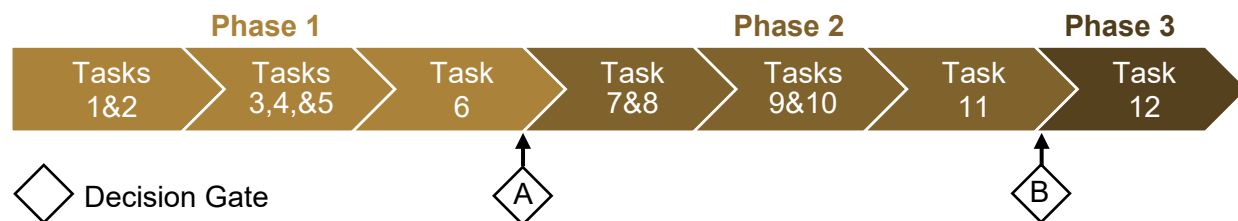
PSE proposes a phased, decision-driven approach to evaluating the identified BTM generation scenarios. This structure is intentionally designed to provide Zeeland BPW with progressive levels of technical insight, while maintaining clear control over scope, cost, and level of effort throughout the study.

The scope of work is organized into twelve (12) defined tasks, under three (3) phases, each focused on a distinct level of analysis, and separated by two (2) decision gates. At the conclusion of each phase, PSE will present key findings, risks, and preliminary conclusions to support Zeeland BPW in determining whether to:

- Proceed to the next phase,
- Refine the study scope, or
- Pause or terminate further analysis based on feasibility or economic considerations

This approach ensures that higher-level feasibility and system constraints are identified early, allowing Zeeland BPW to avoid unnecessary investment in detailed engineering analysis for scenarios that may not advance.

As illustrated below, each phase builds upon the prior, progressing from NERC screening to Scenario Comparison & Strategic Insights. This structure provides Zeeland BPW with defined control points, enabling informed, stepwise decision-making aligned with IRP development and capital planning objectives.



Phase 1 – Screening, Feasibility & Preliminary Costing

Phase 1 focuses on establishing overall feasibility and high-level project viability across the identified scenarios. This phase combines regulatory screening, interconnection and market participation considerations, conceptual design, system modeling, and hosting capacity analysis to provide a comprehensive understanding of how new generation can be integrated into the Zeeland BPW system.

In addition to identifying system constraints and feasible capacity ranges, Phase 1 includes the development of preliminary upgrade requirements and order-of-magnitude cost estimates, allowing Zeeland BPW to evaluate both technical feasibility and initial economic implications early in the process.

This phase also includes a high-level review of existing interconnection agreements, interconnection pathways, Local Resource (LMR) considerations, and MISO transmission service implications, ensuring that project feasibility is evaluated not only from an engineering perspective, but also from a market, regulatory, and operational standpoint.

This phase is intentionally structured to provide maximum insight with a controlled level of effort, enabling informed decision-making before advancing into more detailed engineering analysis.

Task 1 – NERC Bulk Electric System (BES) Screening

Scope of Work

- Evaluate applicability of NERC BES criteria
- Identify potential compliance obligations
- Provide guidance on next steps

Purpose

Avoids unexpected regulatory burdens and informs project sizing and interconnection decisions early.

Task 2 – Interconnection, Market Participation & Operational Constraints Review

Scope of Work

- Perform a high-level review in interconnection pathways and requirements
- Evaluate Local Resource (LRM) considerations
- Assess potential impacts to MISO market participation and transmission service
- Identify key risks, constraints, and considerations that may influence project size, interconnection strategy, and operational flexibility.

Purpose

Ensures that project feasibility is evaluated not only from an engineering perspective, but also from a market, regulatory, and operational standpoint.

Task 3 – Interconnection Design Concepts

Scope of Work

- Develop conceptual interconnection configurations
- Evaluate GSU transformers, breaker schemes, and synchronization requirements
- Assess constructability and scalability

Purpose

Bridges analysis to buildable infrastructure, enabling smoother transition to design and execution.

Task 4 – System Modeling & Data Validation

Scope of Work

- Review and validate transmission and distribution system models
- Confirm substation configurations, feeder data, and equipment ratings
- Establish study assumptions for each scenario

Purpose

Accurate system representation is foundational to all analysis. This ensures results reflect real-world conditions, reducing the risk of unexpected constraints or redesigning in later phases.

Task 5 – Power Flow & Hosting Capacity Analysis

Scope of Work

- Evaluate system performance relative to project sizing constraints identified in Task 2 (i.e., LMR, interconnection, and market considerations)
- Perform steady-state power flow analysis
- Evaluated thermal loading and voltage performance
- Assess system performance under:
 - Peak load
 - Light load
 - Maximum generation dispatch
 - N-1 contingency conditions consistent with MISO planning practices
- Identify limiting elements and maximum feasible generation

Purpose

Defines the true integration capacity and identifies system constraints early, supporting realistic project sizing and informed planning decisions.

Task 6 – Phase 1 Upgrade Identification & Cost Estimating

Scope of Work

- Identify required system upgrades
- Develop order-of-magnitude cost estimates ($\pm 30\%$)
- Highlight key cost drivers

Purpose

Provides clarity on true project cost, supporting capital planning and IRP decision-making.

Decision Gate A – Feasibility & Initial Investment Alignment

At the conclusion of Phase 1, PSE will present a summary of:

- Regulatory screening results
- System hosting capacity and key constraints
- Conceptual interconnection approaches
- Preliminary upgrade requirements
- Order-of-magnitude cost estimates

This decision gate provides Zeeland BPW with the ability to evaluate:

- Which scenarios are technically viable
- Whether estimated costs align with planning expectations
- Whether any scenarios should be refined or removed from further consideration

Based on these findings, Zeeland BPW can confidently determine whether to proceed into more detailed system analysis.

Phase 2 – Detailed System Performance & Integration Analysis

Phase 2 advances the evaluation through detailed engineering analysis of system performance and integration impacts.

This phase focuses on validating that selected scenarios not only meet steady-state feasibility requirements, but also perform reliably under dynamic and fault conditions. Key areas of analysis include:

- Voltage performance and reactive power capability
- Transient stability and system response to disturbances
- Short circuit impacts and equipment duty
- Protection system coordination and integration requirements

In addition, Phase 2 includes refined upgrade identification and cost estimating, providing increased clarity and confidence in project scope, complexity, and capital requirements.

This phase ensures that advancing scenarios are technically sound, operationally robust, and aligned with regional transmission and protection requirements.

Task 7 – Voltage & Reactive Power Assessment

Scope of Work

- Evaluate voltage performance across distribution, sub-transmission, and transmission interfaces
- Assess synchronous generation reactive capability (P-Q curves, excitation systems)
- Analyze under peak, light load, and contingency conditions
- Evaluate compliance with MISO POI requirements (~0.95 lag/lead capabilities)
- Assess coordination with LTCs, capacitors, and voltage devices
- Identify reactive support needs

Purpose

Ensures the project meets regional voltage and reactive requirements, avoiding performance issues and delays during interconnection.

Task 8 – Transient Stability Analysis

Scope of Work

- Perform dynamic simulations for faults, outages, and generator trips.
- Evaluate rotor angle stability, voltage recovery, and clearing times.

Purpose

For transmission-level interconnections, stability often governs feasibility. This ensures the system remains stable during disturbances.

Task 9 – Short Circuit & Equipment Duty Evaluation

Scope of Work

- Evaluate subtransient, transient, and steady-state fault contributions from synchronous generation
- Assess impacts on breakers, buses, and equipment ratings
- Identify required upgrades or replacements

Purpose

Ensures the system remains safe and compliant, while identifying hidden infrastructure costs associated with increased fault current.

Task 10 – Protection & System Integration Review

Scope of Work

- Evaluate impacts to existing protection schemes and coordination
- Identify requirements for directional relaying, anti-islanding, and transfer trip schemes
- Assess interconnection protection aligned with transmission practices.

Purpose

Maintains system reliability and fault isolation, ensuring proper operation as power flow dynamics change.

Task 11 – Phase 2 Upgrade Identification & Cost Estimating

Scope of Work

- Identify required system upgrades
- Develop order-of-magnitude cost estimates ($\pm 30\%$)
- Highlight key cost drivers

Purpose

Provides clarity on true project cost, supporting capital planning and IRP decision-making.

Decision Gate B – Final Technical & Economic Validation

At the conclusion of Phase 2, PSE will present:

- Detailed system performance results
- Refined upgrade requirements
- Updated cost estimates
- Key risks and implementation considerations

This decision gate enables Zeeland BPW to:

- Confirm that selected scenarios are fully viable from both a technical and operational perspective
- Validate capital investment expectations with greater certainty
- Determine which scenario(s), if any, should advance toward implementation planning

This represents the final technical validation point prior to strategic selection and recommendation.

Phase 3 – Scenario Comparison & Strategic Insight

Phase 3 focuses on translating the results of the engineering analysis into clear, actionable decision-making.

This phase includes a structured comparison of scenarios based on:

- Technical feasibility and system impacts
- Capital cost and upgrade complexity
- Operational considerations and scalability
- Alignment with IRP objectives and long-term strategy

The outcome of this phase is a **comprehensive and defensible evaluation framework**, supported by summary tables and visualizations, enabling Zeeland BPW to confidently select a preferred path forward.

Task 12 – Scenario Comparison & Strategic Insights

Scope of Work

- Develop evaluation criteria aligned with IRP objectives
- Perform structured comparison using quantitative engineering results and qualitative system and operational insights
- Evaluate trade-offs between capacity vs. cost, complexity vs. scalability and near-term vs. long-term value
- Develop comparative summary tables and visuals
- Align results with IRP strategy and future portfolio needs

Purpose

Transforms engineering analysis into clear, defensible decision-making.

Cost Estimate and Timeline

The proposed effort is structured to align with the phased, decision-driven approach outlined above, allowing Zeeland BPW to maintain clear control over both level of effort and associated costs throughout the study.

PSE confirms that the study will be executed on a phase-by-phase authorization basis, consistent with the structure outlined above. Each phase has an associated estimated cost, and Zeeland BPW will have the opportunity to review results at each decision gate prior to authorizing subsequent phases.

This approach is intentionally designed to:

- Provide flexibility to adjust scope based on findings
- Avoid unnecessary investment in detailed analysis if early-stage results identify limiting constraints
- Ensure alignment between level of effort and project viability

While we anticipate that all phases will provide value, this structure allows Zeeland BPW to scale the effort appropriately based on technical and economic outcomes identified during Phase 1.

Each phase is designed to deliver incremental value and decision-making insight, with the ability to pause, refine, or advance the study at defined decision points. This structure ensures that resources are focused on scenarios that demonstrate technical and economic viability, while avoiding unnecessary investment in detailed analysis where it is not warranted.

PSE will coordinate closely with Zeeland BPW at the conclusion of each phase to review findings, confirm next steps, and ensure alignment with project objectives and IRP development priorities.

Should Phase 1 identify significant constraints, such as interconnection limitations, market restrictions, or material cost drivers, PSE will work with Zeeland BPW to refine or narrow the scope of subsequent phases to focus on the most viable development pathways.

Estimated Cost

To align with the phased, decision-driven approach, the estimated effort is distributed as follows:

- Phase 1 – Screening, Feasibility & Preliminary Costing:

Estimated at: \$20,000 - \$28,000

(Includes BES screening, market participation considerations, conceptual design, system modeling, power flow/hosting capacity analysis, and preliminary upgrade identification with order-of-magnitude cost estimates.)

- Phase 2 – Detailed Performance & Integration Analysis:

Estimated at: \$35,000 - \$45,000

(Includes voltage/reactive analysis, transient stability, short circuit, protection review, and refined upgrade identification with updated cost estimates.)

- Phase 3 – Scenario Comparison & Strategic Insights:

Estimated at: \$10,000 - \$15,000

(Includes structured scenario comparison, development of evaluation criteria, summary tables/visuals, and final recommendations aligned with IRP objectives.)

Consistent with this structure, each phase will be authorized independently, allowing Zeeland BPW to evaluate results at each decision gate before proceeding. This approach provides flexibility to:

- Confirm technical and economic viability
- Refine study direction as needed
- Control total project cost and level of effort

The estimated cost reflects:

- Evaluation of three distinct development scenarios with multiple interconnection voltage levels
- Transmission analysis consistent with MISO planning practices and distribution-level analysis consistent with IEEE 1547
- Inclusion of advanced studies such as transient stability and NERC BES screening
- Development of implementation-oriented deliverables

PSE will work closely with Zeeland BPW throughout the study to ensure alignment on scope, assumptions, and level of detail. Should adjustments to the scope or level of analysis be desired at any point, we will coordinate with your team prior to proceeding to the next phase.

PSE will work closely with Zeeland BPW throughout the project to ensure alignment on scope, assumptions, and level of detail. Should refinements to the scope be desired as the study progresses, we will coordinate with your team prior to proceeding.

Estimated Timeline

PSE anticipates completing this effort within 10 to 15 weeks from Notice to Proceed (NTP).

Proposed Schedule Overview

Phase	Task	Activities	Duration
Phase 1 – Screening, Feasibility & Preliminary Costing	1-6	BES screening, market participation considerations, conceptual design, model validation, power flow & hosting capacity, preliminary upgrades & cost estimates	4-6 weeks
Decision Gate A			
Phase 2 – Detailed Performance & Integration Analysis	7-11	Voltage/reactive, stability, short circuit, protection review, refined upgrades & cost estimates	4-6 weeks
Decision Gate B			
Phase 3 – Scenario Comparison & Strategic Insights	12	Scenario comparison, strategic evaluation, reporting, presentation	2-3 weeks

PSE will coordinate regularly with Zeeland BPW staff throughout the study to review interim findings, validate assumptions, and ensure results align with ongoing IRP development efforts.

Conclusion

PSE appreciates the opportunity to support Zeeland BPW as you continue to advance your Integrated Resource Plan and evaluate the role of behind-the-meter generation within your future power supply portfolio.

This study has been intentionally structured using a phased, decision-driven approach, providing Zeeland BPW with clear control over scope, level of effort, and investment at each stage of the evaluation process. By combining early-stage feasibility and cost insights with progressively more detailed technical analysis, this approach ensures that resources are focused on scenarios with the highest likelihood of advancement.

Through this process, Zeeland BPW will be well positioned to:

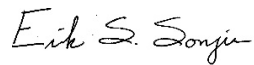
- Identify viable development pathways early
- Understand system capabilities and constraints
- Evaluate cost and performance trade-offs
- Make informed, defensible investment decisions

The final results will translate detailed engineering analysis into clear strategic direction, enabling Zeeland BPW to move forward with confidence into implementation planning, interconnection coordination, and project development.

We value the opportunity to continue working with your team and look forward to supporting Zeeland BPW through this next stage of planning and development.

Please let me know if you would like to discuss any aspect of this proposal further or if there are any adjustments we can make to better align with your goals.

Sincerely,

A handwritten signature in cursive script that reads "Erik S. Sonju".

Erik S. Sonju, PE

TO: Chairperson Boerman and Commissioners

FROM: Andrew M. Boatright, General Manager

SUBJECT: Item 7 - Other Business – April 14, 2026 Board of Commissioners Meeting

DATE: April 10, 2026

- A. Approve Video Management System Replacement: Please refer to IT Director Maloney’s Memo under this tab.
Requested Action: Approve the purchase and implementation of the Video Management System from People Driven Technology in an amount not to exceed \$63,654, which includes a 20% contingency, utilizing previously approved CIP funds.
- B. Approve Authorized Representatives to the Michigan Professional Insurance Authority: With the upcoming transition in the General Manager position, it is necessary to update the authorized representative to the Michigan Professional Insurance Authority (MPIA) Board of Directors to ensure continued administrative continuity and proper representation of the BPW in all insurance-related matters.
Requested Action: Approve the designations of Bob Mulder and Mark Cooney as authorized representatives to the Michigan Professional Insurance Authority Board of Directors, and authorize staff to take all necessary actions to implement this designation.
- C. Approve Water Utility Fees Schedule Revisions: Please refer to my memo and attachments included under this tab.
- D. Approve Electric Utility Fees Schedule Revisions: Please refer to my memo and attachments included under this tab.
- E. Informational - General Manager Transition Process Update: Please refer to my memo and attachments included under this tab.
- F. Informational – MPPA FYE2025 Business and Credit Risk Assessment Report: Included under this tab is the MPPA 2026 (for fiscal year ending 6/30/2025) Business and Credit Risk Assessment. This report provides a comprehensive, data-driven evaluation of the utility’s financial and operational performance, benchmarked against industry standards. The report highlights continued strong performance, including a Very Strong Financial Profile score of 5.6/6.0, a Strong Operational Profile score of 4.1/6.0, and an overall combined score of 4.9/6.0, reflecting sustained financial stability and improving operational practices. The assessment also reaffirms a key ongoing risk identified in prior years - customer load concentration - where a significant portion of revenues is tied to a small number of large customers. While this is a common characteristic among municipal utilities and mitigation options are limited, continued focus on maintaining competitive rates, strong reliability, and diversified power supply strategies remains important. Additionally, the report notes an opportunity to strengthen the utility’s cash reserves policy to further support long-term liquidity management. Overall, the assessment affirms that the utility remains well-positioned, with sound management practices and a strong foundation to support continued reliability, affordability, and long-term success.

G. Informational – Consideration to Change the Date of the August Board of Commissioner Meeting: Due to a scheduling conflict with the Michigan Public Power Agency (MPPA) Board of Commissioners meeting in Marquette, Michigan, staff requests consideration for potential adjustment to the August BPW Board of Commissioners meeting date. Staff participation in the MPPA meeting will involve significant travel time, with departure from Zeeland required on August 11th in order to attend the 10:00 a.m. meeting on August 12th. With that in mind, consideration is respectfully requested to move the August BPW Board of Commissioners meeting date from August 11 to August 18.

H. Upcoming Events:

- **Next Regular ZBPW Board Meeting, Tuesday, May, 12 2026, 3:30 p.m., Water Warehouse Meeting Space, 330 E. Washington Ave, Zeeland**
- MMEA Legislative Reception, Wednesday, April 15, 2026, 11:00 a.m. – 1:00 p.m., Lansing, MI
- Zeeland Citizen's Academy, Wednesdays, April 15 - May 20, 2026, Graduation – June 1, 2026 (BPW Session is Wednesday, April 22, 5:45-9:00 p.m., North Warehouse)
- ZBPW Business & Industry Breakfast, Thursday, April 23, 7:30 – 9:00 a.m., Howard Miller Community Center Banquet Room
- MPPA Stakeholders Meeting, Thursday, May 14, 12:00 noon to 6:30 p.m., Frederik Meijer Gardens



BPW BOARD MEMORANDUM

TO: Chairperson Boerman and BPW Board Members
FROM: Tim Maloney, IT Director
SUBJECT: Video Management System Replacement
DATE: March 30, 2026
CC: BPW Board Agenda April 14, 2026

Background:

The City of Zeeland and Board of Public Works jointly issued a Request for Proposal (RFP) for the replacement of existing Video Management Systems (VMS) across multiple facilities, including BPW, the Library, City Hall, and Public Safety, with future replacement planned for the Clean Water Plant. These systems have reached end-of-life and no longer meet current operational, cybersecurity, and scalability requirements. This project will consolidate multiple standalone systems into a single, unified platform, eliminating siloed environments and providing centralized access to video across all facilities.

The new system is intended to provide a modern, secure, and scalable platform capable of supporting current and future surveillance needs across City facilities, with a design target of up to 100 cameras and a preferred retention period of 30 days.

Proposals were received from multiple vendors offering a range of solutions including on-premises, hybrid, and cloud-based architectures.

Proposal Evaluation Summary:

Proposals were evaluated based on:

- Total cost (initial and ongoing)
- Scalability to 100 cameras
- Storage capacity and retention capabilities
- Integration capabilities (particularly access control)
- System architecture (on-premises vs. cloud)
- Long-term sustainability and vendor support

A summary of the initial comparison:

- **Town & Country (AXIS Camera Station):** Lowest cost, simple architecture, minimal recurring costs, but limited long-term integration capabilities.
- **People Driven Technology (Genetec):** Enterprise-grade platform with strong integration capabilities, scalable architecture, and alignment with future access control needs.
- **MOSS (Genetec):** Similar platform to PDT but at a higher cost.
- **S.A. Morman (Hanwha Wisenet):** Higher cost with less alignment to integration goals.
- **Tele-Rad (Avigilon Alta):** Cloud-based solution with higher long-term subscription costs.

While cost was considered, greater weight was placed on long-term integration, scalability, and alignment with future City and BPW security initiatives.

Selected Solution:

Following evaluation, **People Driven Technology (PDT)** was identified as the preferred vendor.

The proposed solution includes:

- Migration of the existing VMS to Genetec Security Center
- Support for 80 current cameras and expansion up to 100 cameras
- Enterprise-grade VMS platform with integrated video and access control capabilities
- Streamvault appliance with 160TB of storage, supporting approximately 24+ days of retention based on design assumptions
- Five-year hardware warranty with next-business-day support
- Implementation services, configuration, and training

The base proposal includes conversion of 43 existing cameras and preparation for future expansion.

Following initial evaluation and vendor selection, staff requested updated pricing to include additional camera licensing for up to 80 cameras and system capacity to better align with the RFP requirement for scaling up to 100 cameras.

Cost Summary:

The updated proposal from People Driven Technology is as follows:

- Base system (hardware, licensing, services): \$51,250
- Optional advanced training: \$1,795

Base Project Cost:

\$53,045

To account for potential hardware pricing fluctuations, additional licensing needs, and the opportunity to replace aging or underperforming cameras during implementation, a **20% contingency** is recommended:

- 20% contingency: \$10,609

Total Not-to-Exceed Amount:
\$63,654

Budget Impact:

Capital Improvement Plan (CIP) funding of **\$70,000** has been allocated for this project.

The proposed project, including contingency, remains within the approved budget, leaving additional capacity for:

- Future camera expansion
- Additional licensing
- Integration enhancements

Strategic Considerations:

The selected Genetec platform provides a long-term strategic advantage by enabling:

- Unified security management across City and BPW facilities
- Future integration with access control systems (including Mercury-based platforms)
- Consolidation of video and physical security into a single system, rather than maintaining separate systems for each building
- Improved incident response, investigation capabilities, and audit logging

This approach aligns with long-term goals of standardization, improved usability, and enhanced cybersecurity posture.

Recommendation:

It is recommended that the City proceed with the purchase and implementation of the Video Management System from People Driven Technology in an amount not to exceed **\$63,654**, which includes a 20% contingency, utilizing previously approved CIP funds.

Justification:

While multiple vendors met the baseline requirements of the RFP, People Driven Technology was selected based on its superior integration capabilities, scalability, and alignment with the City's long-term strategy to unify video and access control systems into a single platform. Although not the lowest-

cost proposal, it provides the best overall value when considering total cost of ownership, system capabilities, and future expansion.

Suggested Motion:

Motion to approve the purchase and implementation of a Video Management System from People Driven Technology in an amount not to exceed **\$63,654**.



Tim Maloney, IT Director

TO: Chairperson Boerman and Commissioners

FROM: Andrew M. Boatright, General Manager

SUBJECT: Water and Electric Fee Schedule Resolutions

DATE: April 10, 2026

The attached resolutions propose updates to the Zeeland Board of Public Works (ZBPW) Water and Electric Utility Fee Schedules. These updates are intended to ensure that fees and charges associated with utility services remain aligned with the actual cost of providing service, while maintaining fairness, transparency, and long-term financial stability.

As outlined in the resolutions, these fees are designed to recover costs associated with infrastructure investment, system maintenance, operations, and customer service activities, while allocating those costs equitably among system users .

Going forward, staff intend to incorporate a review of Water and Electric Utility Fees and Charges into the annual fiscal year budget development process.

Recommendation

Staff requests that the Board of Commissioners approve the attached resolutions and formally recommend that City Council adopt the updated Water and Electric Utility Fee Schedules, with an effective date of July 1, 2026.

Attachments: Water Utility Fees and Charges Resolution
Electric Utility Fees and Charges Resolution

RESOLUTION

(Adoption of Water Fees and Charges)

**City of Zeeland
County of Ottawa, Michigan**

Portions of minutes of a Regular Meeting of the City Council of the City of Zeeland, County of Ottawa, Michigan, held in the City Hall in said City on Monday, May ____, 2026, at 7:00 o'clock p.m., Local Time.

PRESENT: Council Members _____

ABSENT: Council Members _____

The following preamble and resolution were offered by Council Member _____ and supported by Council Member _____.

WHEREAS, the Zeeland Board of Public Works (“ZBPW”) establishes and maintains water utility rates, fees, and charges necessary for the connection to and use of the water distribution system and for the provision of water service to customers within its service territory;

AND WHEREAS, the ZBPW has reviewed and recommends updates to the Water Utility Fee Schedule, including but not limited to fees related to service connections, reconnections, deposits, meter services, hydrant usage, and other administrative and operational charges;

AND WHEREAS, such fees and charges are intended to recover the actual costs of providing water service, including infrastructure investment, maintenance, operations, and customer service activities, and to ensure that costs are allocated in a fair, equitable, and reasonable manner among customers;

AND WHEREAS, the updated fee schedule reflects current operational costs and industry practices, including specific charges for activities such as reconnection, meter tampering, service investigation, hydrant use, and water connection fees;

AND WHEREAS, the establishment and periodic revision of water utility fees and charges are necessary to ensure the continued financial stability, reliability, and safe operation of the water utility system;

AND WHEREAS, the proposed Water Utility Fee Schedule has been reviewed and approved by the Board of Public Works and will be made available to the public in both print and electronic formats;

AND WHEREAS, the adoption of the revised Water Utility Fee Schedule promotes the public health, safety, and welfare by supporting reliable water service and transparent, consistent billing practices;

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The attached water utility fee schedule is hereby adopted and approved in its entirety and will become effective on July 1, 2026.
2. All resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution are hereby rescinded.

AYES: Council Members _____

_____ NAYS:

Council Members _____

ABSENT: Council Members _____

RESOLUTION DECLARED ADOPTED.

Kristi DeVerney, City Clerk

CERTIFICATE

I hereby certify that the foregoing constitutes a true and complete copy of a Resolution adopted by the City Council of the City of Zeeland, County of Ottawa, Michigan, at a Regular Meeting held on May ____, 2026, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.

Kristi DeVerney, City Clerk

Zeeland Board of Public Works
Water Utility Fees and Charges

Miscellaneous Charges		
Type	Charge	When applied
Non-sufficient funds (NSF) charge	\$30.00	Per occurrence
Service Transfer Fee	\$10.00 (water) \$15.00 (electric)	New account assessed at 1 st billing

Water Utility Fees and Charges			
Type	During (?)	Charge M-F 7:30 a.m. – 3:30 p.m.	Charge After 3:30 p.m.
Reconnection fee	Disconnect Reconnect	\$40.00 \$40.00	Additional \$70.00
Reconnection fee for meter tampering	Disconnect Reconnect	\$75.00 \$75.00	\$75.00 \$75.00
Seasonal sprinkling	Disconnect Reconnect	\$75.00 \$75.00	\$75.00 \$75.00
Customer-requested service investigation or meter reading	Per each occurrence after the first in any calendar year. No charge for any valid metering issue.	\$75.00	\$150.00

Description	When Applied	Charge	Notes
Meter Tampering	When discovered. (Damaged equipment will result in additional charge for the meter plus Meter	\$500.00	

Description	When Applied	Charge	Notes
	Tampering Charge.)		
Damaged Meter Replacement	When discovered	Materials and labor costs	
Relocations, damages, etc.	Requested relocation and/or damages	Materials and labor costs	
Non-transmitting meter provision	Residential service customers have the option to choose non-transmitting meter	\$75.00 up front charge and a monthly charge of \$10.00 per month	Waived in circumstances where provision applies to both electric and water meters at the same location.
Hydrant meter/RPZ permit fee	For each request to use water from a hydrant in the water distribution system	\$100.00 includes 2-day rental and up to 15,000 gallons of water	All water over 15,000 gallons is charged the current commodity rate.
Hydrant meter permit fee	Each occurrence	\$75.00 per month	(1 day to 31 days) 32 days = 2 months fee
Security deposit— Residential	For each rental unit account without landlord affidavit of billing responsibility and lease copy	\$25.00	
	For each rental unit account with a landlord affidavit of billing responsibility and lease copy	\$50.00	
	For each residential customer following each reconnect occurrence for non-payment	\$25.00	

Description	When Applied	Charge	Notes
Security deposit— Commercial/Industrial	ZBPW may require a security deposit for commercial and industrial accounts	Two times average monthly billing	
Water connection fee—Individual service	Meter size(inches)	Fee per meter	
	5/8"	\$5,398.00 <u>\$5,680.00</u>	
	3/4"	\$8,096.00 <u>\$8,520.00</u>	
	1"	\$13,494.00 <u>\$14,200.00</u>	
	1½"	\$26,988.00 <u>\$28,399.00</u>	
	2"	\$43,180.00 <u>\$45,438.00</u>	
	3"	\$80,963.00 <u>\$85,197.00</u>	
Water connection fee—Individual service	4"	\$134,938.00 <u>\$141,995.00</u>	
	6"	\$269,877.00 <u>\$283,990.00</u>	
	8"	\$431,803.00 <u>\$454,385.00</u>	
	10"	\$620,716.00 <u>\$653,178.00</u>	
Water connection fee—Subdivision service	Meter size (inches)	Fee per meter	
	5/8"	\$2,481.00 <u>\$3,064.00</u>	
	3/4"	\$3,722.00 <u>\$4,596.00</u>	
	1"	\$6,203.00 <u>\$7,661.00</u>	
	1½"	\$12,405.00 <u>\$15,321.00</u>	
	2"	\$19,848.00 <u>\$24,514.00</u>	
	3"	\$37,216.00 <u>\$45,964.00</u>	

Description	When Applied	Charge	Notes
		4"	\$62,026.00 <u>\$76,606.00</u>
		6"	\$124,053.00 <u>\$153,213.00</u>
		8"	\$198,484.00 <u>\$245,140.00</u>
		10"	\$285,321.00 <u>\$352,389.00</u>
Additional meter	For additional meters or replacement of damaged meter(s).	Meter size (inches)	Meter cost
		5/8"	\$495.00
		3/4"	\$540.00
		1"	\$590.00
		1 1/2"	\$1,195.00
		2"	\$1,420.00
Additional meter	For additional meters or replacement of damaged meter(s).	3"	\$1,825.00
		4"	\$2,195.00
		6"	\$4,220.00
		8"	\$6,335.00
		10"	\$7,470.00
Termination of service at Water Main	Building demolition, partial or full basement installation, foundation replacement or house moving	\$2,500	

TO: Chairperson Boerman and Commissioners

FROM: Andrew M. Boatright, General Manager

SUBJECT: Water and Electric Fee Schedule Resolutions

DATE: April 10, 2026

The attached resolutions propose updates to the Zeeland Board of Public Works (ZBPW) Water and Electric Utility Fee Schedules. These updates are intended to ensure that fees and charges associated with utility services remain aligned with the actual cost of providing service, while maintaining fairness, transparency, and long-term financial stability.

As outlined in the resolutions, these fees are designed to recover costs associated with infrastructure investment, system maintenance, operations, and customer service activities, while allocating those costs equitably among system users .

Going forward, staff intend to incorporate a review of Water and Electric Utility Fees and Charges into the annual fiscal year budget development process.

Recommendation

Staff requests that the Board of Commissioners approve the attached resolutions and formally recommend that City Council adopt the updated Water and Electric Utility Fee Schedules, with an effective date of July 1, 2026.

Attachments: Water Utility Fees and Charges Resolution
Electric Utility Fees and Charges Resolution

RESOLUTION

(Adoption of Electric Fees and Charges)

**City of Zeeland
County of Ottawa, Michigan**

Portions of minutes of a Regular Meeting of the City Council of the City of Zeeland, County of Ottawa, Michigan, held in the City Hall in said City on Monday, May ____, 2026, at 7:00 o'clock p.m., Local Time.

PRESENT: Council Members _____

ABSENT: Council Members _____

The following preamble and resolution were offered by Council Member _____ and supported by Council Member _____.

WHEREAS, the Zeeland Board of Public Works ("ZBPW") establishes and maintains electric utility rates, fees, and charges necessary for the connection to and use of the electric distribution system and for the provision of electric service to customers within its service territory;

AND WHEREAS, the ZBPW has reviewed and recommends updates to the Electric Utility Fee Schedule, including but not limited to fees related to service connections, reconnections, deposits, temporary service, construction, and other administrative and operational charges;

AND WHEREAS, such fees and charges are intended to recover the actual costs of providing electric service, including infrastructure investment, maintenance, operations, and customer service activities, and to ensure that costs are allocated in a fair, equitable, and reasonable manner among customers;

AND WHEREAS, the updated fee schedule reflects current operational costs and industry practices, including specific charges for activities such as reconnection for non-payment, meter tampering, service installation, and construction-related services ;

AND WHEREAS, the establishment and periodic revision of electric utility fees and charges are necessary to ensure the continued financial stability, reliability, and safe operation of the electric utility system;

AND WHEREAS, the proposed Electric Utility Fee Schedule has been reviewed and approved by the Board of Public Works and will be made available to the public in both print and electronic formats;

AND WHEREAS, the adoption of the revised Electric Utility Fee Schedule promotes the public health, safety, and welfare by supporting reliable electric service and transparent, consistent billing practices;

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The attached electric utility fee schedule is hereby adopted and approved in its entirety and will become effective on July 1, 2026.
2. All resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution be and the same hereby are rescinded.

AYES: Council Members _____

_____ NAYS:

Council Members _____

ABSENT: Council Members _____

RESOLUTION DECLARED ADOPTED.

Kristi DeVerney, City Clerk

CERTIFICATE

I hereby certify that the foregoing constitutes a true and complete copy of a Resolution adopted by the City Council of the City of Zeeland, County of Ottawa, Michigan, at a Regular Meeting held on May _____, 2023, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.

Kristi DeVerney, City Clerk

Zeeland Board of Public Works
Electric Utility Fee Schedule

Electric Utility Miscellaneous Charges		
Type	Charge	When applied
Non-sufficient funds (NSF) charge	\$30.00	Per occurrence
Service Transfer Fee	\$10.00 (water) \$15.00 (electric)	New account assessed at 1 st billing

Electric Utility Fees and Charges			
Type	During (?)	Charge	Charge
		M-F 7:30 a.m. – 3:30 p.m.	After 3:30 p.m.
Reconnection fee for non-payment	Disconnect Reconnect	\$55.00 \$55.00	Additional \$65.00
Reconnection fee for meter tampering	Disconnect Reconnect	\$100.00 \$100.00	\$100.00 \$100.00
Voluntary disconnect fee (each occurrence)	Disconnect Reconnect	Up to \$55.00 <u>Up to \$55.00</u>	\$75.00 \$75.00

Description	When Applied	Charge	Per
Meter Tampering	When discovered. (Damaged equipment will result in additional charge for the meter plus Meter Tampering Charge.)	\$500.00	-
Damaged Meter	When discovered.	Materials and labor costs	-
Temporary service fee		\$110.00 plus electricity cost. Additional charges are possible to cover construction costs.	Each service installation

**Electric Utility
Fees and Charges (continued)**

Description	When Applied	Charge	Per
Flat Rate Service	Non-Residential services that Zeeland BPW determines meet flat rate criteria. (Streetlights, Cable Boosters, Tornado Sirens, etc.)	Varies - based on cost to serve	Each service installation
Non-transmitting meter provision	Residential customers may have the option to choose a non-transmitting meter.	\$110.00 one-time initial fee \$10.00 per month	Waived in circumstances where provision applies to both electric and water meters at the same location.

Customer-requested service investigation or meter reading		\$110.00 No charge for any valid metering issue.	Each occurrence
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Electric Utility Fees and Charges (continued)		
Description	When Applied	Charge
Security deposit – Residential	For each rental unit acct without landlord affidavit of billing responsibility and lease/regulations copy	\$100.00
	For each rental unit account with a landlord affidavit of billing responsibility and lease/regulations copy	\$200.00
	For each residential customer following each reconnect occurrence for non-payment	\$100.00
Security deposit – Commercial/Industrial	ZBPW may require a security deposit for Commercial and Industrial accounts	Two (2) times average monthly billing
Winter construction premium (all services)	To all underground installation charges between November 15 and April 1	\$1.75 per foot additional charge

Pole attachment fee	Annual fee	Per pole attachment agreement
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Single family residential service		
Description	When Applied	Charge
Overhead distribution to overhead service	New service when requested by customer	\$200.00 connection fee plus wire over 100 feet and equipment charges
Underground service	New service or existing overhead to underground service conversion - when requested by customer	\$200.00 connection fee (New Service Only) & \$5.64 <u>\$5.81</u> per trench foot or \$10.64 <u>\$10.96</u> per boring foot
Mobile home (within mobile home park)	New service when requested by customer and within mobile home park	\$200.00 connection fee— ZBPW installs wire to service point
Multi-family residential service (2—4 units)	New service—Developer furnishes and installs wire from meter(s) to service point New service – ZBPW furnishes and installs wire from meter(s) to service point.	\$100.00 per unit connection fee \$100.00 per unit connection fee plus \$8.38 <u>\$8.63</u> per trench foot or \$12.43 <u>\$12.80</u> per boring foot.
Commercial / Industrial Service		

Description	When Applied	Charge
Overhead distribution to overhead service	New single phase service when requested by customer	\$250.00 connection fee plus wire over 100 feet and equipment charges
	New three-phase service when requested by customer	\$400.00 connection fee plus wire over 100 feet and equipment charges
Commercial / Industrial Service		
Description	When Applied	Charge
Overhead distribution to underground service	New service single-phase when requested by customer	\$250.00 connection fee \$8.388.63 per trench foot or \$12.4312.80 per boring foot
	New service three-phase when requested by customer	\$450.00 connection fee & \$14.0714.49 per trench foot or \$19.2719.85 per boring foot
	Existing service single-phase change when requested by customer	\$250.00 connection fee & \$8.388.63 per trench foot or \$12.4312.80 per boring foot
	Existing service three-phase change when requested by customer	\$450.00 connection fee & \$14.0714.49 per trench foot or \$19.2719.85 per boring foot
Relocations, damages, etc.	Requested relocations and/or damages	At cost
Underground distribution to underground service	New service single-phase when requested by customer	\$250.00 connection fee plus \$8.388.63 per trench foot or \$12.4312.80 per boring foot
	New service three-phase when requested by customer	\$500.00 connection fee plus \$14.0714.49 per trench foot or \$19.2719.85 per boring foot

	Existing service single-phase change when requested by customer	\$250.00 connection fee & \$8.388.63 per trench foot or \$12.4312.80 per boring foot
	Existing service three-phase change when requested by customer	\$500.00 connection fee & \$14.0714.49 per trench foot or \$19.2719.85 per boring foot

TO: Chairperson Boerman and Commissioners

FROM: Andrew M. Boatright, General Manager

SUBJECT: General Manager Transition Process Update

DATE: April 10, 2026

The General Manager transition process has begun in earnest. As part of this effort, staff have developed a structured approach to guide the transition, reflected in the attached “General Manager Transition Outline”, which establishes a proposed cadence and timeline of key activities leading up to the September 18, 2026 date when Bob Mulder is to assume the role of General Manager.

This outline is intended to ensure a comprehensive and methodical transfer of responsibilities, including operational, financial, strategic, and relational aspects of the role. It reflects the breadth and complexity of the General Manager position and provides a framework for structured engagement over the coming months. It is important to note that these sessions are not intended to be one-directional or simply a transfer of information. Bob has already had exposure to several of the outlined topics, and the process is designed to allow him to further develop his understanding, share his perspectives, and engage in meaningful dialogue. This approach fosters an exchange of ideas and concepts, enabling me to build upon his insights and provide additional context, rather than serving solely as a lecture or information download.

To further support this transition, and specifically to assist Bob in developing his plan for transitioning from his current role as Power Supply and Market Operations Manager, I have provided him with an estimate of my time allocation across major areas of responsibility, and have also included consideration of opportunities for delegation of certain activities to an additional administrative resource (see attached memo to Bob Mulder dated March 15, 2026). While Bob has indicated that he intends to remain highly engaged in Power Supply-related matters, this time allocation summary is intended to provide additional perspective on the full scope of responsibilities associated with the General Manager role - particularly those that may be less visible but are critical to effective leadership.

In parallel with these efforts, the Leadership Team - comprised of myself, Bob, Jason Postma (Water Operations Manager), and Brian Coots (Electric Transmission & Distribution Manager) - have been meeting approximately weekly. These meetings are focused on developing staffing strategies to support not only the General Manager transition, but also the anticipated retirements of key personnel within the Power Plant and T&D Departments. This coordinated approach is intended to ensure continuity of operations, preservation of institutional knowledge, and long-term organizational stability.

As can be seen, this transition is both lengthy and comprehensive, and it is necessary to address the full range of operational, strategic, and personnel considerations involved. We very much appreciate the Board of Commissioners’ support in enabling staff the time and resources needed to thoughtfully and thoroughly work through all aspects of this transition period.

We will continue to provide updates as we progress through this process and will keep the Board informed of key developments along the way. In the meantime, please don’t hesitate to contact me if you have any questions.

Attachments: GM Transition Outline
Memo to Bob Mulder dated March 15, 2026

Andrew Boatright → Bob Mulder
Transition Outline (with timelines and key activities)

Transition Target: September 7 (Labor Day) 2026

City Council Budget Review – Monday, March 30, 5:00 – 7:30PM

Role Overview (March 31)

- Core purpose of the GM Role
 - a. Primary mission of the GM
 - b. Key outcomes the Board expects
 - c. Key outcomes staff expect
 - d. Key outcomes the City expects
- Decision authority boundaries
 - a. Decisions fully delegated to departments
 - b. Decisions requiring GM approval
 - c. Decisions requiring Board approval
 - d. Decisions requiring City coordination

Recurring Responsibilities (predictable work) (April 13)

- Weekly / Quarterly / Annual / Seasonal Responsibilities
 - a. Leadership Team Meetings
 - b. Agenda Prep
 - c. Project Status Review
 - d. Outbound Communications
 - e. Board Agenda Review
 - f. Board Packet Development
 - g. Financial Report Review – O&M, Capital spending
 - h. Procurement Oversight
 - i. Invoice Review and Approval
 - j. Safety Review
 - k. Major Customer Touchpoints
 - l. Budget Development
 - m. Rate Review
 - n. Audit Cycle
 - o. Capital Planning
 - p. Insurance Renewal
 - q. Strategic Planning

Citizen’s Academy – BPW Session, Wednesday, April 22, 5:45 – 9:00PM

Business & Industry Breakfast, Thursday, April 23, 6:00 – 9:30AM

Andrew Boatright → Bob Mulder
Transition Outline (with timelines and key activities)

Transition Target: September 7 (Labor Day) 2026

Trigger-Based / Disruptive Responsibilities (Issues that change your schedule)
(April 27)

- a. Major Outage
- b. Load Shed Event
- c. Personnel Crisis
- d. Media Inquiry
- e. Regulatory Issue
- f. Major Customer Issue
 - 1. What must happen in the first 24 hours
 - 2. What must happen in the first 72 hours
 - 3. When Board/City Management/Media, etc. must be informed

Strategic and Relationship Responsibilities (April 27)

- a. Board Members
- b. City Leadership
- c. Major Industrial Customers
- d. Legal Counsel
- e. Engineers/Consultants
- f. Regulatory Agencies
 - 1. Political Sensitivities
 - 2. Historical Context
 - 3. Personal Dynamics
 - 4. Communication Preferences

Financial Oversight (May 11)

- a. Budget Cycle Timeline
 - 1. Internal Prep
 - 2. Finance Dept. Coordination
 - 3. Board Review Meeting(s)
 - 4. City Council Review Meeting(s)
 - 5. Budget Adoption
 - 6. Communication
- b. Capital Planning Oversight
 - 1. Approval Thresholds
 - 2. When GM Must Intervene

Andrew Boatright → Bob Mulder
Transition Outline (with timelines and key activities)

Transition Target: September 7 (Labor Day) 2026

3. Bidding Authority
4. Contract Signing Limits
- c. Financial Monitoring
 1. Monthly Review
 2. Red Flags
 3. Key Ratios or Metrics

Personnel and Organizational Leadership (May 11)

- Direct Reports (For each department head)
 - a. What They Do Well
 - b. Where They Need Support
 - c. When They Escalate
 - d. Development Needs
 - e. Succession Risks
- Hiring and Discipline Protocol
 - a. GM Involvement Triggers
 - b. HR Engagement
 - c. Legal Counsel Engagement
 - d. Documentation Expectations
- Compensation and Union Considerations
 - a. Contract Cycle Timing
 - b. Sensitive Precedents
 - c. Negotiation Strategy History

Projects in Flight (Multi-Year Capital Projects - not exhaustive) (June 2)

- a. Office Building Expansion
- b. Industrial Development (Mead Johnson, JR Automation, Gentex)
- c. Electric Rate Multi-Year Increases
- d. Water Rate Multi-Year Increases
- e. Water Emergency Interconnection Project
- f. Water Conservation Project
- g. Generation Capacity Expansion & Acquisition
- h. Transmission System Expansion
- i. Substation Expansion
- j. Technology & Cybersecurity Expansion

Andrew Boatright → Bob Mulder
Transition Outline (with timelines and key activities)

Transition Target: September 7 (Labor Day) 2026

Extracurricular Activities (June 2)

- MPPA Board
 - a. Representation
 - b. Project / Service Committees
 - c. Executive Committee
- MMEA Board
 - a. Representation
 - b. Executive Committee
 - c. State / Federal Congressional Contingency Interaction
- MPIA Board
 - a. Directorship → Leadership
- APPA (generally)
 - a. Conference Attendance
 - b. Committee Participation
 - c. Leadership Role (DEED Board, APPA Board, E&O Section Lead)

Informal / Invisible Work (Oftentimes the most important work) (June 15)

- Situations Monitored But Not Discussed
- Political Dynamics
- Staff Personality Dynamics
- Board Dynamics
- Unwritten Rules
- Historical Sensitivities
- Issues That Resurface Cyclically

TO: Bob Mulder, Power Supply Manager / General Manager Designee

FROM: Andrew Boatright, General Manager

SUBJECT: Summary of General Manager Time Allocation and Opportunities for Administrative Support

DATE: March 15, 2026

As part of preparing for the leadership transition later this year, I have taken some time to step back and review how my role as General Manager has been allocated across major responsibilities. The goal of this exercise is to give you some idea of where my time demands tend to fall, based on findings in my situation, where administrative support could improve efficiency as you assume the position.

Estimated Annual Time Allocation

Based on a review of my calendar, email, and notes activity over calendar years 2024 and 2025, my time generally distributes across the following areas:

Responsibility Area	Key Activities	Estimated % of Time
Operations Oversight	Team meetings, project oversight, system reliability, capital projects, vendor coordination, infrastructure initiatives, policy oversight	33
Financial Management	Budget development and review, rate studies, financial, cost-of-service analysis, procurement	16
Board Governance	Board packet preparation, Board meetings, policy discussions, strategic reporting	15
Personnel Leadership	Staff development, performance reviews, leadership coaching, labor relations	11
Strategic Planning	Long-term planning, regulatory strategy, major initiatives, industry partnerships	10
Community Engagement	Public presentations, community organizations, stakeholder relations	9
Crisis / Incident Response	System outages, emergency coordination, regulatory or operational incidents	6

A few observations stand out:

- Nearly half of the role (roughly 49%) is focused on operations oversight and financial management, which reflects the infrastructure-heavy nature of the utility.
- Board governance and personnel leadership together account for about one-quarter of the role.
- Strategic planning, community engagement, and crisis response collectively make up the remaining portion of executive focus.

Based on this, there may be an opportunity to improve efficiency of the role through targeted administrative support.

Administrative Support Opportunity

Within the above-listed responsibilities, a meaningful portion of time is spent on coordination and preparation tasks that do not require executive judgment. With the right support structure, these activities could be delegated to an administrative resource while maintaining full executive oversight.

Examples include:

- Board governance support
 - Board packet compilation and formatting
 - Agenda coordination and document distribution
 - Meeting logistics and minute preparation
- Meeting coordination
 - Scheduling leadership meetings
 - Preparing materials and tracking action items
- Operational coordination
 - Vendor meeting logistics
 - Project documentation and follow-up tracking
- Administrative communications
 - Calendar and scheduling management
 - Email triage for routine requests
 - Travel and event logistics

Based on my annual time allocation, these functions likely represent 600 - 700 hours annually, which is roughly 30 percent of a full-time equivalent workload. Delegating this work to an administrative support person would allow the General Manager to focus more fully on strategic leadership, financial stewardship, personnel development, and community engagement.

Across the organization, technical and operational leaders often absorb administrative coordination responsibilities that are necessary for smooth operations but do not require specialized technical judgment. Expanding administrative support capacity across executive leadership and the operational teams would allow leaders to focus more fully on strategic planning, infrastructure reliability, regulatory stewardship, and staff development while ensuring that administrative processes remain well organized. When considered collectively across the General Manager, Customer Services, Transmission & Distribution, Power Production, and Water Utility functions, these administrative demands may reasonably aggregate to a workload approaching the equivalent of a full-time position, suggesting that dedicated administrative support could provide meaningful organizational benefit.

This overview is intended to give you an idea of where the General Manager's time demands typically fall and to help identify opportunities where administrative support can improve efficiency as you transition into the position. Over the coming weeks, we can walk through these responsibilities in more detail and determine which processes should be delegated and which should remain directly under your oversight.

I look forward to working with you on this and other aspects of the transition.

Introduction & Purpose

Producing and delivering an individual Business & Credit Risk Assessment (BCRA) for each Member on an annual basis is a core component of MPPA's long-term Financial Stability strategy. MPPA's overall financial strength—and its ability to source power supply competitively and economically for its Members—is fundamentally tied to the collective health of those Members. The BCRA serves as an essential mechanism for monitoring, understanding, and proactively managing Members' operational and financial risk profiles. By evaluating both financial and operational factors in a standardized, repeatable manner, Members can track progress over time, validate the impact of improvement efforts, and maintain a continuous improvement cycle that supports operational excellence and financial resilience.

What the Assessment Provides

The BCRA delivers a comprehensive, data-driven view of each Member's financial and operational condition. It includes:

A Detailed Scorecard

Modeled after Standard & Poor's credit rating methodology, the scorecard assesses two equally weighted profiles—Financial and Operational—each composed of multiple metrics scored on a scale from *Highly Vulnerable (1)* to *Extremely Strong (6)*. A score of 4 (“Strong”) is expected of public power utilities in financial markets, making it a key benchmark for Members. Any score below “Strong” (score < 4) should trigger timely review and documented action by Members to mitigate risk in the affected areas.

An Executive Summary Report

Paired with the scorecard, the Executive Summary highlights areas of strength, identifies opportunities for improvement, and outlines recommended actions.

How to Use Your Assessment

Review Results and Implement Recommendations

Members should review recommendations to help guide future decision-making and take action by adopting or revising policies, conducting studies where needed, and actively integrating the results of the BCRA into their budgeting and capital planning processes.

Share with Your Governing Body

MPPA recommends that each Member review the BCRA findings with their governing body to build shared understanding of financial and operational risk areas, align on priorities, and address gaps and opportunities for improvement.

Results Summary

Year-over-Year Assessment Scores

The **Financial Profile score is Very Strong** and has been in the 5.0 – 5.6 (Very Strong) range over the last three years. All four metrics used to derive the financial profile score have fluctuated somewhat over the last three years. Higher net operating revenues in the past two fiscal years have primarily driven the overall score improvement, with the Fixed Charge Coverage score benefiting the most.

The **Operational Profile score is Strong** across the four risk categories—Operational Assets; Management, Policies, and Procedures; Rate-Setting Practices; and Environmental & Regulatory Compliance and Legal Risk. The **improvement from Adequate in 2025** is primarily driven by enhanced DER Readiness, including rate unbundling, timely reviews of policies and procedures, and continued investment in the utility’s system.

Year	Financial Profile Score	Operational Profile Score	Total Score (50% Financial / 50% Operational)
2024	5.0/6.0 (Very Strong)	4.3/6.0 (Strong)	4.6/6.0 (Strong)
2025	5.6/6.0 (Very Strong)	3.9/6.0 (Adequate)	4.7/6.0 (Strong)

2026 Assessment Score

Financial Profile Score (Weighted):		Operational Profile Score (Weighted):	
5.6 / 6.0	Very Strong	4.1 / 6.0	Strong

Total Score (50% Financial / 50% Operational):	
4.9 / 6.0	Strong

Financial Profile (Fiscal Year Ending 6/30/25)

Areas of Strength

- **Fixed Charge Coverage (FCC) Ratio: 6.0 (Extremely Strong)**
 - The FCC ratio measures the electric utility's ability to pay fixed obligations, such as debt service and contractual payments (i.e., purchased power).
- **Days Liquidity: 5.0 (Very Strong)**
 - Measures the utility's ability to address fluctuations in cash flows due to the volatility of operating expenses and timing of revenue collection.
- **Debt to Capitalization: 6.0 (Extremely Strong)**
 - Measures the extent liabilities may affect a utility's debt servicing capability.

Opportunities for Improvement

Only one metric fell below the minimum expected score of 4 (Strong):

- **Available Reserves: 3.0 (Adequate)**
 - Measures the utility's financial flexibility to manage fluctuations in cash flow resulting from volatility in operating expenses.
 - However, S&P's scale does not consider the size of the utility (i.e., there is a "one size fits all approach"). Consequently, small-to-medium sized utilities, from an industry perspective, will almost always score on the lower end of the rating scale.
 - From an overall liquidity perspective when the Available Reserves metric is analyzed in conjunction with the Days Liquidity metric, it results in a reasonable liquidity score.

Recommendations

MPPA congratulates the utility on the Very Strong financial profile score and recommends continuation of the current financial management practices.

Operational Profile (2025)

Areas of Strength

- **Rate Affordability: 6.0 (Extremely Strong)**
 - Electric rates are very competitive compared to the surrounding investor-owned utility. On average, the utility's rates are:
 - 53% lower for residential customers.
 - 47% lower for commercial customers.
 - 31% lower for industrial customers.

- **Operational Management: 4.8 (Strong)**
 - Evaluates the risks associated with the operations of the utility based on factors such as operational assets, environmental compliance, management, policies and planning, and rate-setting practices.

Opportunities for Improvement

- **Customer Concentration Risk: 1.0 (Highly Vulnerable)**
 - Customer Concentration Risk occurs when a small number of customers account for a significant share of an electric utility's load (energy sales in MWhs) or revenue (\$).
 - This risk is common across municipal electric utilities, and the utility is actively mitigating it by keeping rates affordable, prioritizing reliability, and offering value-added programs that strengthen customer relationships and increase customer satisfaction.
- **Cash Reserves Policy: 2.0 (Vulnerable)**
 - Although the Days Liquidity is already Very Strong, the electric utility's Cash Reserve Policy does not address a minimum cash reserves or minimum Days Liquidity threshold.

Recommendations

- MPPA recommends **amending the Cash Reserves Policy** to require cash reserves sufficient to maintain Days of Liquidity of 91 or higher, and to establish minimum cash reserve levels by fund category to support consistent liquidity management across the electric utility.

City of Zeeland - Board of Public Works
 Business and Credit Risk Assessment Scorecard
 Fiscal Year End June 30, 2025



	<u>Metric</u>	<u>Score</u>	<u>Weight</u>	<u>Weighted Score</u>	<u>AAA 6 Extremely Strong</u>	<u>AA 5 Very Strong</u>	<u>A 4 Strong</u>	<u>BBB 3 Adequate</u>	<u>BB 2 Vulnerable</u>	<u>B or less 1 Highly Vulnerable</u>
Financial Profile Assessment										
Fixed Charge Coverage Ratio - Measures the ability of the utility to service its debt and debt like obligations (PPAs and PILOT)	1.72	6.0	55.0%	3.3	=> 1.6	1.4-1.59	1.2-1.39	1.1-1.19	1.0-1.09	< 1.0
Days Liquidity - Measures the ability of the utility's flexibility to address fluctuations in cash flows due to the volatility of operating expenses and timing of revenue collection	175	5.0	17.5%	0.9	>270	151-270	91-150	45-90	15-44	<15
Available Reserves (\$ in millions) - Measures the ability of the utility's flexibility to address fluctuations in cash flows due to the volatility of operating expenses	\$16.6	3.0	7.5%	0.2	=>\$250.0	\$100.0-\$249.9	\$50.0-\$99.9	\$10.0-\$49.9	\$2.1-\$9.9	<=\$2.0
Debt to Capitalization - Measures the extent liabilities may affect a utility's debt servicing capability	0.00%	6.0	20.0%	<u>1.2</u>	<20%	20%-29%	30%-39%	40%-49%	50%-59%	=>60%
Financial Profile Weighted Score				<u>5.6</u>						
Enterprise Profile Assessment										
Diversity of Sales and Service Area Demographics - Residential customer class % of total revenues	11.0%	2.0	33.3%	0.2	>=75%	>50%	36% - 50%	21% - 35%	<=20%	<=10%
- Top 10 customers % of total revenues	71.6%	1.0	33.3%	0.1	<=10%	11%-17%	18% - 24%	25% - 31%	32% - 44%	=>45%
- Top customer % of total revenues	39.6%	1.0	33.3%	0.1	<2%	2% - 3%	4% - 5%	6% - 9%	10% - 19%	=> 20%
Industry Risk - S&P assessment of industry risk for municipal electric utilities as compared to all industry sectors	n/a	6.0	10.0%	0.6						
Electric Market Position - Measures a utility's revenue raising flexibility	64.9%	6.0	20.0%	1.2	<80%	80% - 89%	90% - 99%	100% - 109%	110% - 119%	=> 120%
Operational Management - Evaluates the risks associated with the operations of the utility based on factors such as operational assets, environmental compliance, management, policies and planning, and rate-setting practices	n/a	4.8	40.0%	<u>1.9</u>						
Enterprise Profile Weighted Score				<u>4.1</u>						
Total Score - Weighted 50% Financial Profile Score, 50% Enterprise Profile Score				<u>4.9</u>						

The scorecard is largely based on the US Municipal Retail Electric and Gas Utilities Methodology as published by Standard & Poor's. Scoring is based on a scale of 6 (Extremely Strong) to 1 (Highly Vulnerable). The financial profile assessment measures the financial strength of the utility. The enterprise profile assessment captures the operating environment and incorporates broad industry factors as well as organization specific factors of the utility.