Versailles Electric System Improvements

January 29, 2026

The Village of Versailles has been working for the past several years on electric system improvements for our municipal electric system. These improvements include a new, third substation that will be located on the east side of Versailles near the east water tower. In addition, the Village has been working with AMP Transmission (AMPT) to provide improvements to the transmission system that serves the entire Village electric system and to provide transmission power to this new, third substation. In an effort to get factual information to the public, the Village wishes to provide answers to some frequently asked questions (FAQ):

1. **Why is the Village constructing a new, third substation? Doesn't the Village already have two substations?**

Answer: The Village is constructing a new, third substation that will be called the McGreevey Rd. Substation. This substation is needed as the Village's electric system continues to see more electric load added by residential, commercial, industrial, and agricultural customers. The Village has two existing substations, East Water Street and Greenlawn. East Water Street was constructed and placed online in the early 1970's. The Greenlawn Substation was constructed and placed online in 1998.

2. **Why is the new substation being constructed on the east side of the Village?**

Answer: Over the years, there has been sizeable electric load from customers added on the east side of the Village and extending into Wayne Township, which is why this substation location was selected. A distribution load study was performed by the Village's electrical consultant, Sawvel & Associates, that showed the need for a future substation located somewhere between Versailles-Southeastern Rd. and the CSX Railroad. The selected location fits all criteria. In addition, the Village has experienced voltage level fluctuations for electric customers on the far east side of the system when the Greenlawn Substation is taken offline for testing and maintenance. The same can be said for customers on the far west side of the system when East Water Street is taken offline for testing and maintenance. Placing this new substation on the east side of the Village will help with this voltage fluctuation during planned and unplanned outages.

3. **Don't we have enough electrical capacity with the two existing substations?**

Answer: The Greenlawn and East Water Street Substation Transformers currently have enough capacity to service their current loads so long as they are both operating. In the event that one of the substation transformers would go down for a planned or unplanned outage, there may not be enough capacity with just one substation transformer to carry the load of the entire system, especially during a peak usage time period, such as hot summer weather or extreme cold, when electric usage is the highest on our system. The Village at this time cannot take on another

large load customer with the current two substation configuration. The 2025 summer system electrical peak demand experienced in June was 16.7 megawatts (MW) and set a new all-time high for the system. For reference, the 1991 summer peak for Versailles was 7.8 MW, and just ten years ago in 2015 the peak was 13.9 MW. July 2025 also saw the highest total power consumption by Village customers with regards to the total amount of energy consumed. It is projected that the system peak and total energy consumption will only continue to go up with continued growth in and around the community as well as future electrification activities by customers.

4. **Can diesel or natural gas generators be added at the substation locations to handle the increased power load in place of adding a substation? Does the solar field help with our capacity needs?**

Answer: No. Generators are great for peak-shaving during high-power consumptions periods or for limited auxiliary power needs, but should not be considered as a long-term power supply option in place of a substation. In addition, the cost for operating such a generator of the needed scale far exceeds the price of power on the open market. The Village continues to evaluate the potential for peak-shaving generators in the future as long as the economics make sense with regards to power supply costs in addition to transmission and capacity rates. The solar field near the water treatment plant has helped the Village's electric system in providing power to it during peak demand times, which usually occur between 11a.m. and 5 p.m. However, the solar field only produces a maximum of 1.75 MW, which doesn't happen often or on demand to meet the peaks as cloud cover and precipitation will reduce output. Our largest power customers each use more power than what the solar field can produce. As stated under FAQ #3 above, the Village's peak power demand from customers far exceeds that level. There are three 1.8 MW diesel generators at the East Water Street Substation that were installed around 2000 as part of an AMP project called OMEGA Joint Venture 2 (JV2). At maximum output, these units can produce 5.4 MW total. However, these units are now 25-plus years old and are starting to show their age at times. These units are run during peak electric consumption time periods by AMP Energy Control Center, typically during the summer months or during extreme cold weather events, to produce power that is connected directly into the Village system. JV2 reduces the amount of power that needs to be purchased on the open market when prices are high. Peak shaving helps keep costs down for Versailles electric customers along with numerous other communities that are part of the JV2 project.

5. **How long has the Village been working on the new substation project?**

Answer: The planning for the new, third substation began around 2020 when indicators began to show the need for additional substation capacity based on the electric consumption that was being experienced. The substation project has been included in the Five-Year Capital Improvement Plan (CIP) for several years prior to this writing. The Village had a Distribution System Study completed in January 2025 by Sawvel & Associates that included the need for a new substation and changes to the distribution system in conjunction with the project, taking into account future growth and reliability considerations. This study began in 2022 and was used as a working tool through a lot of the planning process leading up to moving forward with the third substation. The Village selected a design engineer for the new substation project in early 2025 through a Request for Qualifications (RFQ) process, in which GPD Group was selected to perform the design of the new substation and assist with the bidding and construction process.

6. **When will the new McGreevey Road Substation be constructed and operational?**

Answer: The major equipment for the new McGreevey Road Substation was bid by the Village in the fall of 2025 with equipment orders being awarded. The substation transformer will likely be delivered in the fall of 2026. The Village's bid for the actual construction of the substation site and components will be bid out in the first quarter of 2026 pending approval by Village Council to solicit bids. The new McGreevey Road Substation is targeted to be online in the first half of 2028. There will also be AMPT 69 kV components located at the McGreevey Road Substation that will be constructed by and paid for by AMPT.

7. **How will the new substation be powered from the electrical grid?**

Answer: In late 2023, the Village of Versailles sold its 69-kilovolt (kV) transmission line between the East Water Street and Greenlawn Substation and other 69-kV system components to AMP Transmission (AMPT). As part of the sale, there was an agreement between the Village and AMPT for AMPT to generate a solution to construct and own the necessary transmission lines and related equipment to supply power to future Village substations as well as make improvements to the existing Village-owned substations. These improvements would include improvements to each substation's 69 kV components to improve reliability and operability. In addition, the solution would network the Village of Versailles transmission interconnection with AES Ohio to improve reliability and capacity for the Versailles system.

8. **Who is AMP Transmission (AMPT)?**

Answer: AMPT is a not-for-profit Ohio limited liability corporation created to plan, own, build, operate and maintain transmission facilities. AMPT's vision is to provide cost-effective transmission, related services, and a competitive alternative to benefit AMP Members, enhance reliability and ensure comparable service. AMPT is a wholly owned subsidiary of American Municipal Power (AMP); Versailles has been a member of AMP and involved with the organization since the early 1970's. AMP was founded in 1971 when a group of municipally owned electric systems joined forces to strengthen wholesale market buying power, gain access to transmission and enhance advocacy efforts for municipal electric systems.

9. **Why did the Village sell the Village-owned 69 kV line and related 69 kV components to AMPT?**

Answer: The Village, and many other municipal power utilities in our area, began more in-depth dialogue with Dayton Power and Light (DP&L), now AES Ohio (AES), about the poor reliability of their transmission network throughout the area. Versailles, Minster, New Bremen, Piqua, Celina, and a host of others, have all had major reliability issues for their systems because of DP&L/AES's lack of maintenance, replacements, and improvements to its transmission assets. The DP&L/AES transmission line that supplies Versailles runs from Covington to Minster, Russia to Rossburg and stretches approximately 40 miles. According to DP&L/AES in communications and in their PJM statements, this section of their transmission network as their worst performing transmission line segment on their entire system. Repeated outages on the DP&L/AES transmission system from ice, wind, pole breaks, and many other unknown reasons created not only a nuisance to Versailles customers but also a loss of productivity for Versailles business customers, damaging motors, pumps, and other electrical equipment at customer locations. Large industrial customers are very sensitive to power blips and repeated reclosing events where the power goes in and out when there is damage to the transmission system. The Village continued those conversations and planning efforts with DP&L, and then AES, for

corrective solutions. However, their solution planning was not progressing very quickly and did not address all issues. Transmission system upgrades are major undertakings and take 5 to10 years in some cases to come to fruition. These components are not sitting on a shelf somewhere and have very long lead times for delivery, in addition to the major outages that have to be coordinated to allow for this work to physically take place once all the parts are acquired. In addition, there is strict regulatory review with PJM Interconnection LLC, the regional transmission organization, and other regulatory agencies for these improvements to take place. DP&L/AES provided some potential solutions for Versailles in early 2021, but those solutions would not have fully corrected all of the issues and did not include a solution for providing power to a new substation that was going to be needed. AES did make some transmission line improvements at its AES Russia Substation, where AES expanded the substation footprint that is used to only serve distribution voltage. With the expansion, they added multiple 69-kV breakers that will sense if there is an issue on one line segment and operate accordingly to restore power as quickly as possible from other sources. The improvements at the AES Russia Substation have been applauded by the Village as it has helped reduce the instances of complete transmission system losses. AMP Transmission was involved in the discussions with DP&L/AES and the Village starting in 2019, and began dialogue with the Village on a complete solution to provide the reliability that was needed for our customers and system, provide power to the new substation (McGreevey Rd.), and accommodate the future need of a fourth substation on the southwest side of the Village. Reliability issues and the lack of interconnection options would have remained without the AMPT solution.

10. What cost is there to Versailles electric customers for the transmission line project?

Answer: There is no direct cost to Versailles electric customers for this project. The cost for this project is paid for through the transmission rate within the PJM regional transmission operator (RTO) territory. Transmission rates are essentially a “toll” for utilities to move power across the grid from generators to distribution systems, like ours, that serve actual customers. Every transmission system owner has established and approved transmission rates that cover the cost to move power as well as recover costs for improvements and replacements to the physical transmission system lines and components.

11. What is the AMPT solution for Versailles?

Answer: There are multiple parts to the entire AMPT solution for improvements and increased access for transmission power. The main item is the extension of approximately 14 miles of new 69-kV transmission line from the AES Russia Switching Station located north of the Village of Russia, extend to the new McGreevey Rd. Substation, loop around the south portion of the Village and back to the existing Greenlawn Substation, and then extend north to the existing AES-owned transmission line where a new 69-kV Switching Station would be constructed near the existing Versailles Fire/EMS Station along Baker Rd. In addition, a new line would be constructed between the new McGreevey Rd. Substation and the existing East Water Street Substation. This solution networks the entire Village system and allows for three sources of transmission power. The current interconnection for Versailles is a single lateral connection at the East Water Street Substation. Any type of unplanned or planned outage at the current interconnection point disconnects the entire Village of Versailles power system from the grid with no other source.

12. **Would there be further work at the existing Greenlawn and East Water Street Substations as part of this project?**

Answer: Yes, there will be improvements and other upgrade work at both substations. For example, the East Water Street Substation is to be upgraded with a new 69-kV circuit changer for the substation that would greatly reduce the risk of single-phase electric events that have plagued parts of the Village system over the past several years during storm events along with other system damage from vehicles striking poles and animals attacks. The Greenlawn Substation would have further transmission system upgrades as well at the existing location.

13. **Has there been any type of public outreach about the Versailles AMP Transmission Line Project?**

Answer: Yes. A public meeting was held on Jan. 21, from 6 to 8 p.m. at the Versailles School. Letters and postcards were sent in advance via US Mail to nearby property owners to the proposed transmission line routes. Recipients of the letters and postcards were asked to provide feedback on the proposed project. Feedback can be provided via email (VersaillesReinforcementProject@Orcolan.com) or by phone (937) 353-3066. AMPT is handling all public outreach and communication on the transmission line project as it is their project.

14. **There are a lot of properties to cross in order to complete the transmission line. How will the project obtain access from point to point?**

Answer: The project will utilize existing public right-of-way for roadways where applicable, along with easements from property owners to cross private property. AMPT and their consultants are handling the easement process, not the Village of Versailles.

15. **Who is handling the transmission line routing process?**

Answer: AMPT is handling the transmission line routing process along with their consultants.

16. **Who will own, operate, and maintain the new transmission lines once constructed?**

Answer: AMPT will own the transmission line from end to end, along with the 69-kV delivery line and related components at each Village substation. Village personnel will assist with operating the transmission line and components in coordination with and per the direction of AMPT. In the event of an outage or damage, the Village may make the necessary repair(s), mutual aid may be called from other nearby municipal electric systems who have larger equipment to reach transmission line/pole heights, or a contractor may be utilized.

17. **There are a lot of transmission line route options that have been provided by AMPT. Why are there so many options shown?**

Answer: The transmission line project is following the Ohio Power Siting Board (OPSB) process as part of their siting guidelines. Multiple options are being evaluated for the project. Only one route will ultimately be selected, designed, and constructed.

18. What is the proposed timeline for this project?

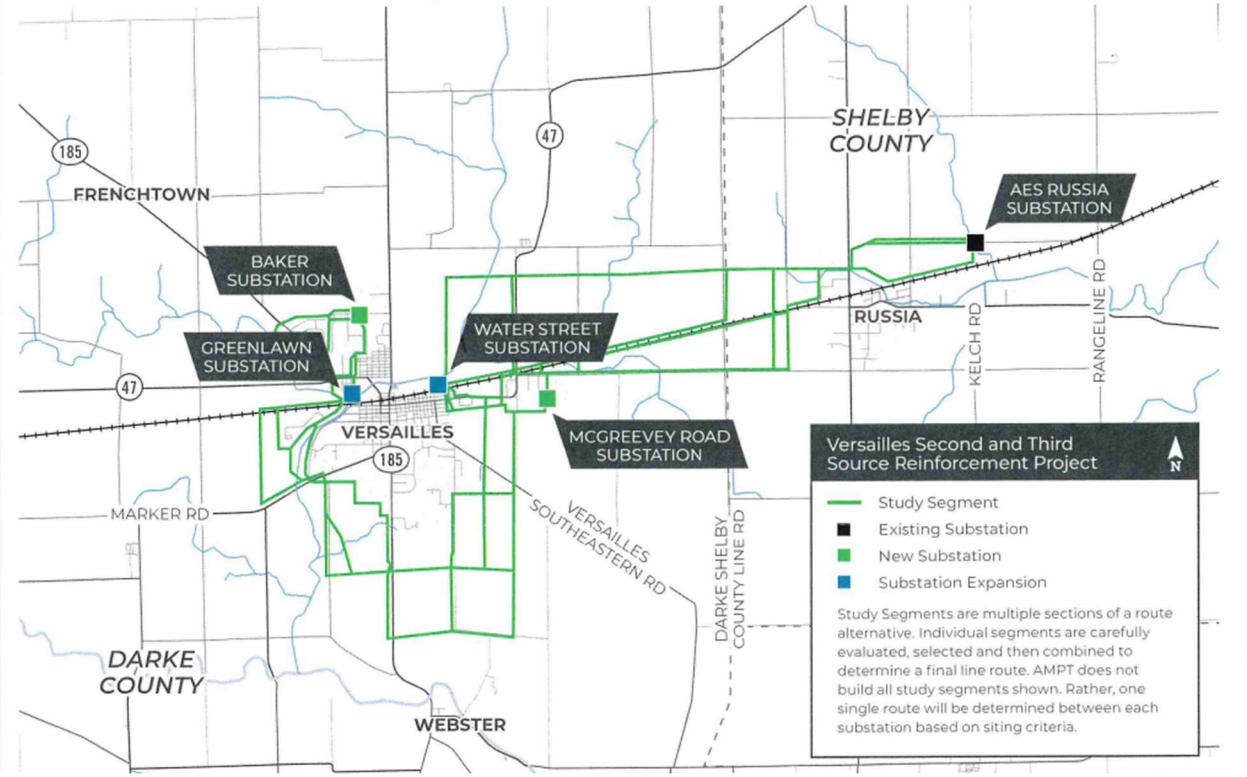
Answer: Feedback regarding the proposed route from those invited to the public open house on Jan. 21 is due by Feb. 4, 2026. Feedback will be analyzed and a preferred route is slated to be identified in the Spring of 2026. Survey work along the proposed route would also take place in the Spring of 2026. Right-of-way and easement discussions are targeted for completion in February 2027, with an in-service date slated for March of 2028. The Village is scheduled for the completion of the McGreevey Road Substation in the first half of 2028. Schedule is tentative and subject to change.

19. Is there a regulatory review process for a transmission line project like this?

Answer: Yes. PJM reviews all such supplementary transmission projects through the "Do No Harm" process. That review process is complete and a project number from PJM has been assigned. The PJM Supplemental Project ID is S3734. PJM is the RTO that handles the power grid from approximately the Ohio-Indiana Line to the Atlantic seaboard.

20. The proposed routing shows lines primarily looping around the south side of the Village only, why?

Answer: The Village's substations are all located primarily south of the existing AES-owned 69-kV line that comes into Versailles from the AES Russia Substation from the east on the north side of the railroad tracks and stays north of the existing east Water Street and Greenlawn Substations on its way to the AES Rossburg Substation. The new McGreevey Rd. Substation and potential fourth substation site on the southwest side of the Village are all south of that existing AES 69-kV transmission line, which necessitates the new transmission line looping around the south side of the Village.

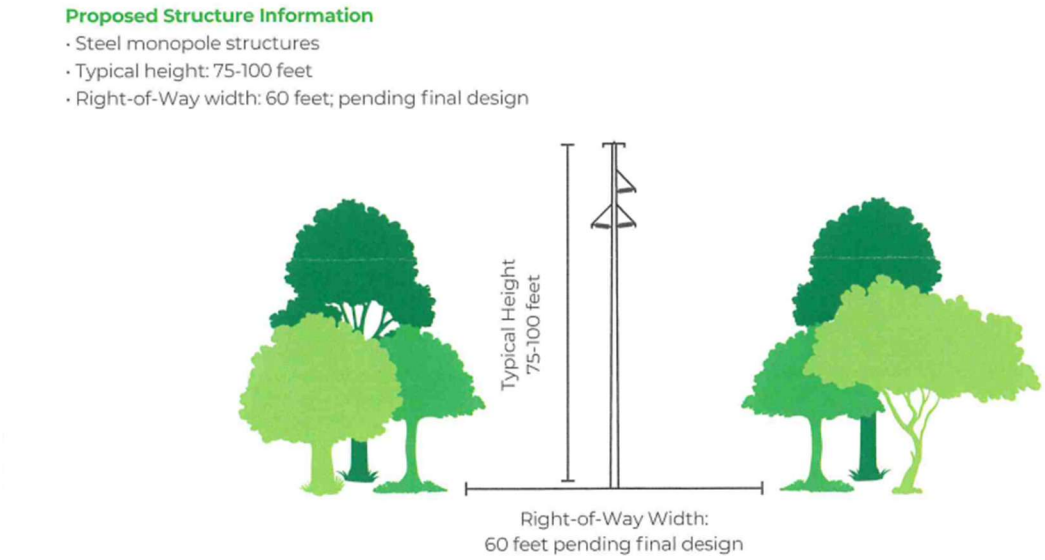


21. Will the Baker Rd. Switching Station directly serve Versailles electric customers like the East Water Street and Greenlawn Substations?

Answer: No. The Baker Rd. Switching Station will only house 69-kV breakers and other related equipment for both the AMPT-owned new transmission line and the existing AES 69-kV transmission line. The station will not service distribution voltage to customers like a normal substation as it will not contain a substation transformer. This location will feature visual screening efforts around the facility as there is residential use to the north and east of this property. The property where this station is currently proposed is owned by the Village of Versailles and is zoned I-2 Industrial along with all adjoining properties south of Baker Rd.

22. What kind of transmission line poles will be utilized and what is their proposed heights?

Answer: The typical anticipated height of the transmission line poles is between 75 to100 feet and will be a steel monopole structure. Please see the below example drawing for reference. The pole height will vary depending on the topography of the land and if there is something that these lines need to cross (such as a railroad) at specific heights per regulations.



23. Is there a way to contact AMPT with questions or updates on the project?

Answer: Yes, see the below contact information for AMPT. The Village can help assist in general questions, but AMPT is the developer and owner of the project. Please contact AMPT to get more information and provide comments to them in regards to the project.

Contact Us. We are committed to keeping you informed throughout the project.
Email: VersaillesReinforcementProject@Orcolan.com
Phone: 937-353-3066
Website: www.amppartners.org/VersaillesReinforcementProject

AMP TRANSMISSION