

Z26 69kV Rebuild Project

Project Overview Village of Allouez

PRESENTED BY:

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March 19, 2024

- ATC Proprietary -

atcllc.com

Agenda

1. About ATC
2. Project need
3. Project details
4. Construction and clearing process
5. Summary / wrap-up

About ATC

- Wisconsin-based company and public utility
- Over 5 million electric consumers in service area
- Own and operate

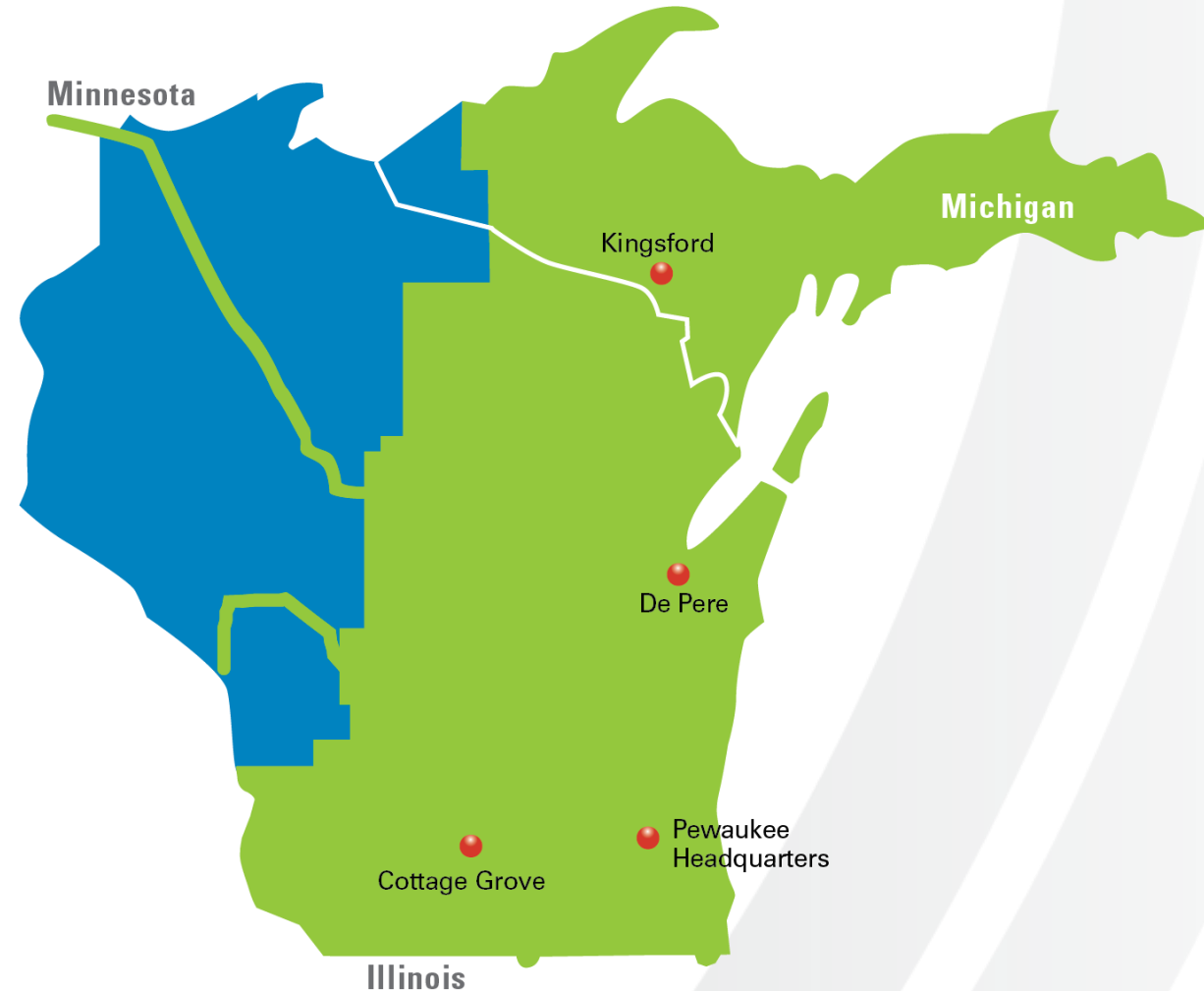
**10,000+ miles of lines
& 580+ substations in**

Wisconsin

Michigan

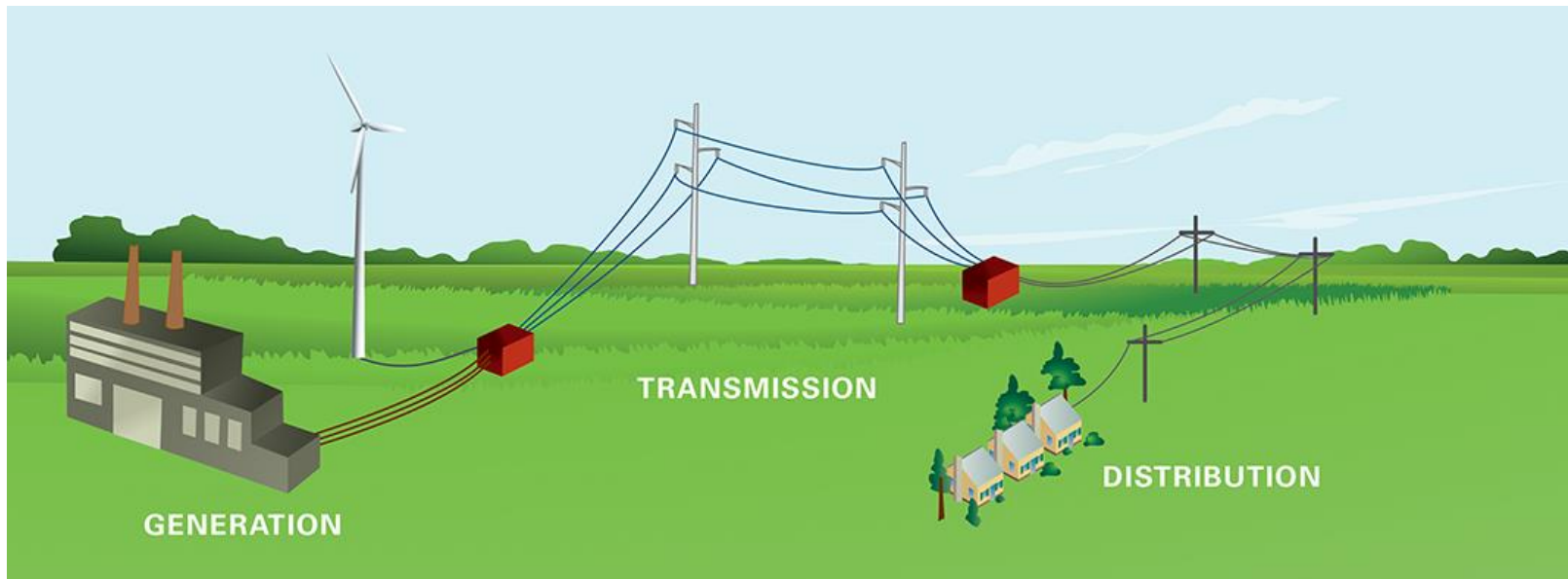
Minnesota

Illinois

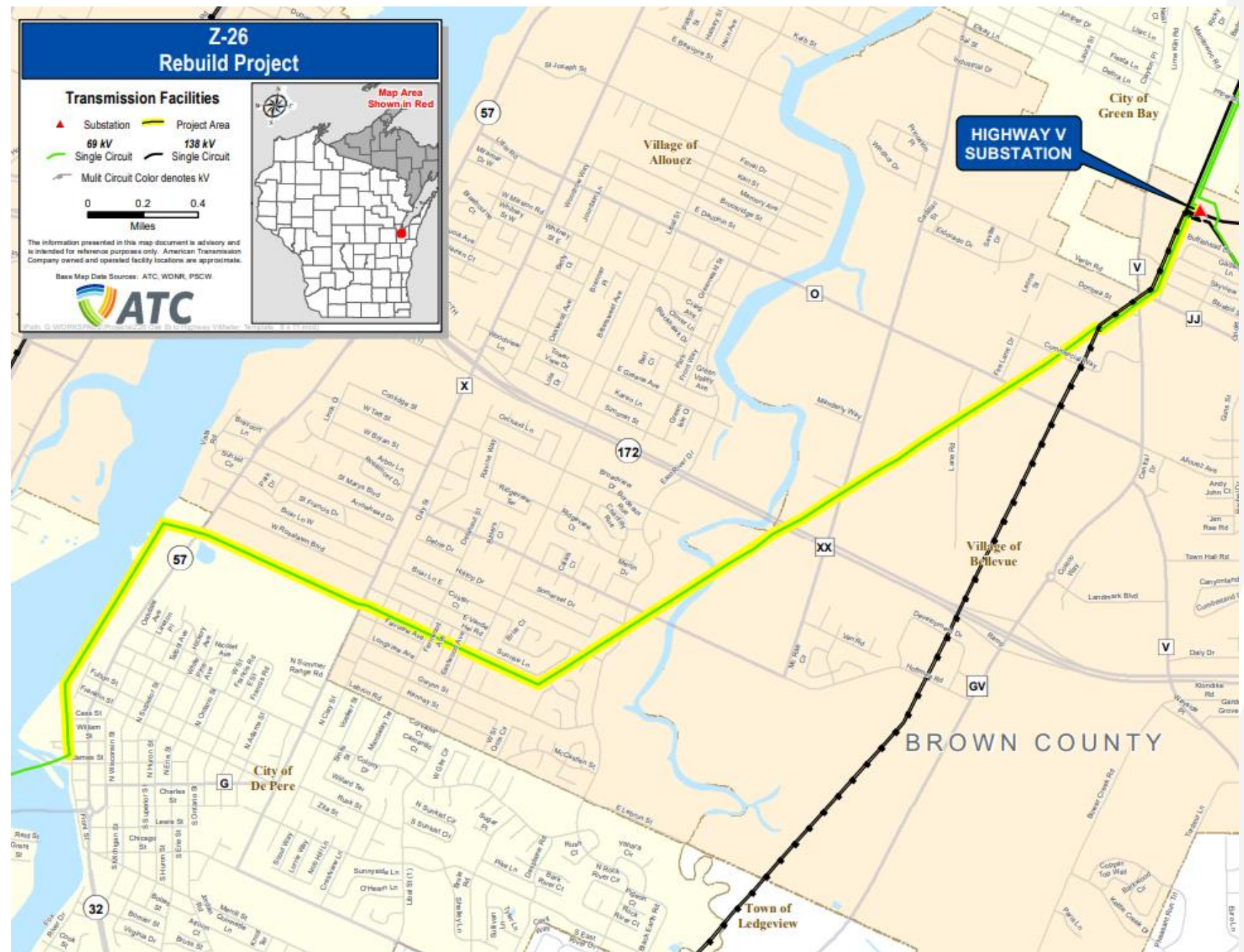


Connecting the Larger Electric Grid

- Sole focus is high-voltage electric grid
- Member of Midcontinent Independent System Operator (MISO)
- We are the vital connection between where energy is generated and where it is needed

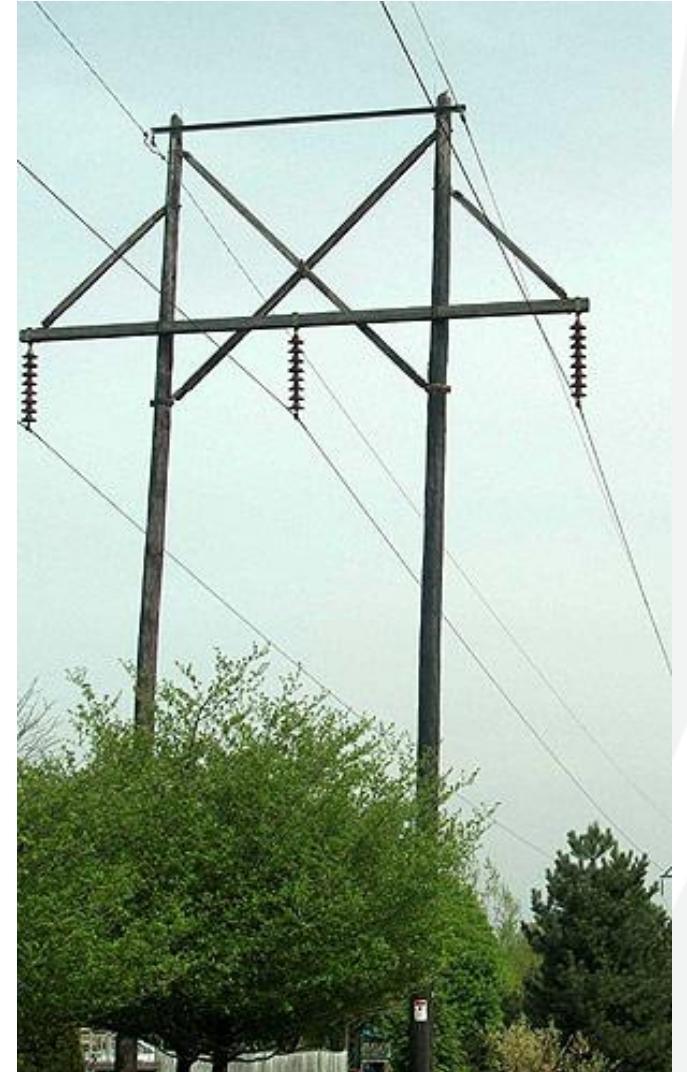


Project Map Overview



Project Need

- Maintain safe and reliable operation
 - Structures are 1940's and 1950's vintage
 - H-Frame line, wood poles decay over time
 - Need to replace structures



Project Details – Within Village of Allouez

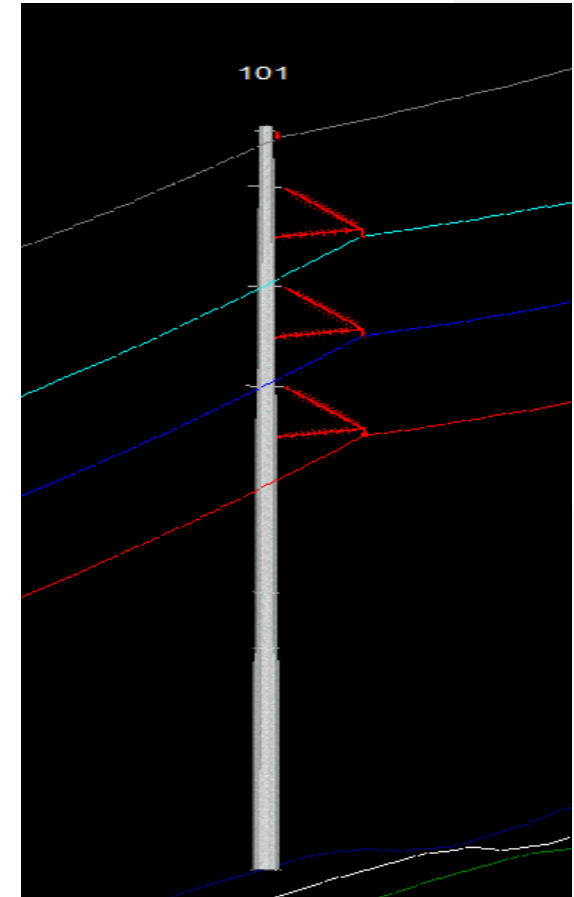
- Rebuild 2.1 miles of 69,000-volt power line
- Includes structures 89 through 112
- This is a rebuild of the entire line in the village
 - Removing old structures and wires
 - Installing new structures and wires
 - Some added structures and structure alignment to meet current code
- All pole locations have been staked

Project Details – Structures

New weathered steel structures will be used



Some structures will have all the insulators on the same side of the structure in a vertical configuration



Project Details – Structures

- **Structures 112 to 93 are proposed to be weathering steel**
- **Structures 92-2 to 89-1 are proposed to be wood**
- Existing H-Frames are 55 feet above ground
- New Monopole structures will be 75 feet above ground
 - They are taller but have a smaller footprint
- Angle / dead-end structures = concrete drilled pier foundations
- Tangent structures are direct embedded foundations

Project Details – Right-of-Way

- The typical right-of-way for an H-frame is 100 feet.
- Changing to monopoles tightens up the ROW
- In the residential area from the northeast side of Hoffman Rd. Structures 92 through 104:
 - Using a smaller 50-foot right-of-way
 - Due to proximity of back yards and existing WPS corridor
 - The 50-foot right-of-way requires more structures and a vertical conductor configuration
- Existing easements (for the most part) are sufficient
- ATC Real Estate is reviewing title and will obtain new where needed.

Project Schedule – Completed Steps

- Geotech
- Survey
- Light clearing of “hot spots”

Project Schedule – Next Steps

- Vegetation management “clearing” – Fall 2025
 - Construction start – Winter 2025
 - Construction done – Spring 2026
 - Restoration will follow
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- NOTE: If new easements are needed, landowners will be contacted fall of 2024.

Construction and Clearing

- Representatives from our contractors will reach out regarding timing and access to the line.
- Many areas will have timber mats laid down
 - Large timber mats spread the forces of the equipment and reduce damage to the ground
- Restoration typically begins as soon as an area is completed
 - Contractor will be in contact regarding property restoration
 - Full growing season may be needed to fully restore property
 - Real Estate will work with landowners if any unsettled damages.

Summary and Wrap up

- Questions
- For additional questions and information

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