

BOOT LAKE TO CHAIN OF LAKES 34.5 KV TRANSMISSION LINE AND SUBSTATION PROJECT

INFORMATION SHEET
WISCONSIN



Project Need

Xcel Energy is proposing a project to improve electric system reliability in northeast Wisconsin by building a new 34.5 kilovolt transmission line and two new substations called “Boot Lake Substation” (near Presque Isle) and “Chain of Lakes Substation” (near Rest Lake). The project would replace two existing substations nearing the end of their useful life and build a new 15-mile long project that will improve reliability by enabling electricity to be delivered to the area from multiple sources, continuing electric service if outages occur on other parts of the transmission system. The project will also be designed to meet new electric standards, increasing reliability in the area.

Project route

The new route will generally follow Highway W from Rest Lake to Winchester and Presque Isle. We will remove the existing distribution line and place it on the new infrastructure. There are some areas where we may be able to locate the transmission line on the opposite side of Highway W to avoid homes, cabins, and trails.

Regulatory process and schedule

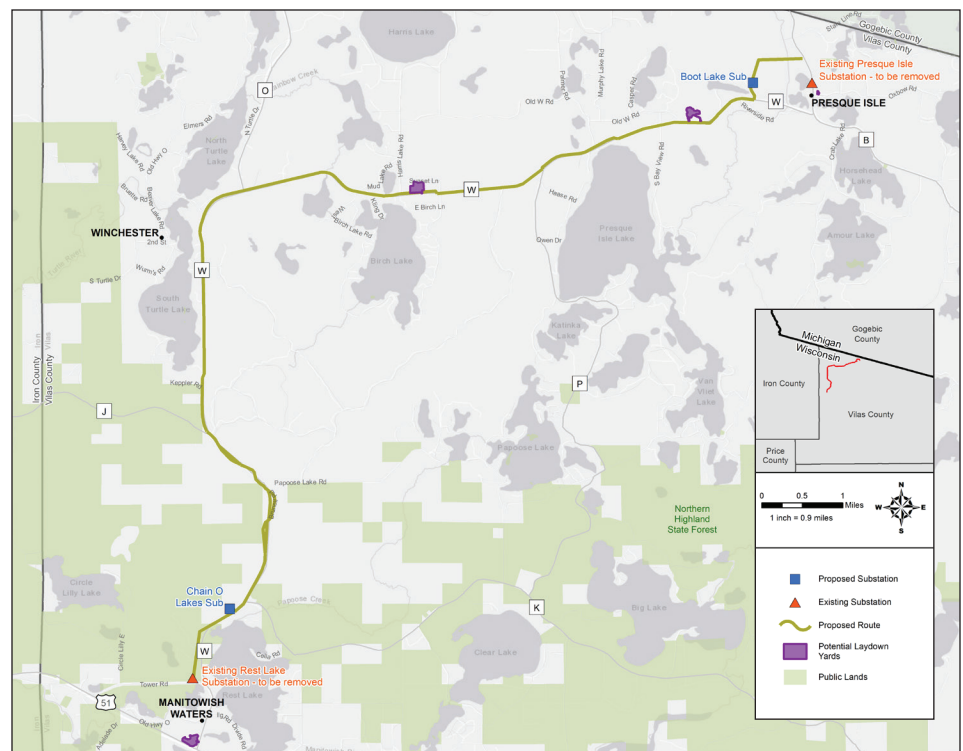
The project requires a Certificate of Authority (CA) approval from the Public Service Commission of Wisconsin (PSCW).

Anticipated timeline:

- 2022 – Public outreach
- 2023 – CA application review by PSCW
- 2023-2024 – Engineering and design; secure easements from landowners
- 2024-2025 – Construction
- 2026 – Land restoration/project closeout

Structure type:

- Single-pole structures; may be wood or steel to eliminate the need for guy-anchors
- Pole height: approximately 60-75 feet
- Easement approximately 50-75 feet (25-37.5 feet on either side of the pole, some of which may share road right-of-way)



For additional information about the project please contact:

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