

BAY LAKE PROJECT

Reinforcements to the electric transmission grid in the Upper Peninsula of Michigan and northeastern Wisconsin are needed due to a combination of factors, including emerging reliability concerns, generation changes, changes in demand and the evolution of a wholesale electricity market. Even after making reinforcements in the region in the past six years, the transmission upgrades have not kept pace with the changing needs. Reduced output from generating units at power plants in the region has placed increasing importance on transmission.

There is a delicate, shifting balance between generation, load and transmission in the northern region of the ATC system. A majority of the load on the system runs nearly continuously, making it difficult to take transmission components out of service for maintenance. When maintenance is performed while the system is operating near capacity, the risk of losing service to customers is higher.

The Bay Lake Project is designed to address these concerns and includes the following components in northeastern Wisconsin:

North Appleton-Morgan

- Expanded substation facilities at our North Appleton site on French Road in the Town of Freedom, Outagamie County, and
- A new 345-kV line and a 138-kV line between North Appleton and the Morgan Substation in Oconto County.

Bay Lake Project components in Michigan include:

Holmes-Old Mead Road

- A single 138-kV line from the Holmes Substation in Menominee County to the Old Mead Road Substation in Escanaba.

When the Bay Lake Project was originally proposed, it also included a 345-kV line from the Morgan Substation to an expanded National Substation near Ishpeming, Mich. Work on that portion of the project has been deferred while MISO, the regional transmission planning authority, conducts a Northern Area Study to address a number of transmission proposals and issues in Manitoba, North Dakota, South Dakota, Minnesota, Wisconsin and Michigan.

The project will require expansions at existing substations as well as approval by Michigan and Wisconsin regulators, along with various local and state permits.



Major milestones

Public information and involvement, including routing and siting	Spring 2012 and ongoing
Environmental analysis	2012-2013
File regulatory applications in Michigan and Wisconsin	Late 2013 and early 2014
Regulatory review	2013-2014
Anticipated regulatory decisions	Late 2014 and 2015
Construction start	2015
Target in-service date	Late 2016 through 2017

Public involvement

Public outreach is an important part of the transmission line siting process. ATC makes every effort to gather as much local input and feedback at the outset in order to design projects that minimize impacts to landowners and communities. This information helps ATC design projects that are acceptable to those most affected by our plans. Information is gathered through personal visits, informational open houses and written comments.

Environmental commitment

ATC's environmental commitment is built upon its core values – service to customers, honesty, social responsibility, stakeholder inclusion, financial and environmental sustainability, and respect for its employees and customers. ATC supports sustainable environmental policies and actions by balancing stewardship with financial considerations, engineering and maintenance requirements, and societal impacts.

For more information

www.BayLakeProject.com

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