

BAY LAKE PROJECT - Wisconsin

North Appleton-Morgan

Reinforcements to the electric transmission grid in 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 energy market.

In Wisconsin, ATC is proposing reinforcements between the North Appleton Substation in the Town of Freedom in Outagamie County and the Morgan Substation in Oconto County. The North Appleton-Morgan portion of the Bay Lake Project includes:

- A new 345-kV line and a new 138-kV line between the North Appleton Substation on French Road in the Town of Freedom in Outagamie County and the Morgan Substation in Oconto County (about 40 to 48 miles depending on route),
- Expanded substation facilities at North Appleton and Morgan,
- A new Benson Lake Substation at the site of the Amberg Substation in Marinette County to accommodate a large voltage-control device and
- Additional work at 11 substations in northern Wisconsin and the Upper Peninsula.

A series of route segments have been identified within which to locate the proposed lines. The segments can be used in various combinations to create two separate and distinct transmission line routes, which are required by state regulations. ATC filed an application with the Public Service Commission of Wisconsin in May 2014. If approved, the PSC will determine the route.

Major milestones

Public information and involvement, including routing and siting	Spring 2012 - 2013
Environmental analysis	2012-2013
File regulatory application	May 2014
Regulatory review (Includes environmental impact statement and public hearings)	2014-2015
Anticipated PSC decision	Mid-2015
Construction start	2017
In-service date	2019

