

CANAL – DUNN ROAD ELECTRIC RELIABILITY PROJECT DUNN ROAD – EGG HARBOR RELIABILITY PROJECT

Overview

American Transmission Co. is proposing improvements to the electric system that delivers energy to Door County, Wis., because peak demand in the area has increased dramatically.

Need for the projects

The area of Door County north of Sturgeon Bay is served by a 69,000-volt, or 69-kilovolt, transmission system. Two lines extend north of Sturgeon Bay to a substation on Dunn Road. A single 69-kV power line extends from Dunn Road to Egg Harbor and Sister Bay.

Electricity demand in Door County has been growing at a rapid rate. The existing transmission system is quickly reaching capacity and is frequently overloaded. Low voltages, which can contribute to a collapse of the system, are common. While several short-term solutions have been applied at the substations in recent years, ATC is now proposing a two-phased approach to resolve these issues and enhance reliability in the immediate area for the long term.

Project description

Phase I –

ATC plans to build an eight-mile 138-kV transmission line between the Canal Substation on Barge Road in Sturgeon Bay to the Dunn Road Substation in the Town of Sevastopol. It is proposed that this circuit either be co-located with the existing 69-kV circuit, or that it follow an alternate route, about a third of which would be along a new right-of-way corridor. This project is proposed to be in service in 2012.

Phase II –

ATC transmission planning documents call for a new, 13-mile 69-kV line from Dunn Road Substation to Egg Harbor, to be in service by 2016.

Schedule (Phase I)

Public information and involvement	Fall 2009
Environmental analysis	Fall 2009
File application with PSCW	November 2009
Regulatory review	Mid-to late 2010
Anticipated decision from PSCW	Late 2010
Construction start	Summer 2011
In-service	Summer 2012

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 local area information helps ATC design projects that are acceptable to those most affected by our plans. Information is gathered through personal visits, public meetings and information open houses.

Regulatory review process

The Public Service Commission of Wisconsin is the regulatory body charged with authorizing projects to improve electric transmission infrastructure within the state. Our regulatory application begins a multi-disciplinary review process to determine if the project is needed and its impact on the local environment and community or communities. It is important for interested parties to participate in the regulatory review because the PSCW selects the route. Permits also may be needed from the Department of Natural Resources, and other state and federal agencies also may be involved in the review.

Environmental commitment

ATC's environmental commitment is built upon its core values – service to our 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:

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ATC is a Green Tier company, selected by the Wisconsin DNR for demonstrating superior environmental performance and continual improvement.

Information current as of September 2009

