

SPRING VALLEY-NORTH LAKE GENEVA ELECTRIC RELIABILITY PROJECT

Project Overview

American Transmission Co. is proposing new and upgraded electric transmission facilities to keep pace with growing electricity demand in southern Walworth and western Kenosha counties in Wisconsin. The project involves:

- Constructing a new 138-kilovolt transmission line of approximately 25 miles, between the Spring Valley Substation near Salem and the North Lake Geneva Substation in Lake Geneva.
- Constructing a new 138- and 69-kV substation near Twin Lakes.
- A new 69-kV transmission line to connect the new substation to the existing Twin Lakes Substation in Twin Lakes.
- Replacing the wires between the Spring Valley Substation and the Bain Substation, in Pleasant Prairie.
- Rebuilding the 69-kV transmission line between Katzenberg Substation near Bloomfield, and the Twin Lakes Substation.

This proposed project requires review and authorization by the Public Service Commission of Wisconsin and the Wisconsin Department of Natural Resources.

Need for the project

The electric transmission system in southern Walworth and western Kenosha counties is vulnerable to low voltages and power outages. Reliable electric systems depend on a degree of redundancy to help ensure uninterrupted electric service to customers in the event of an outage on any one component of the system. Due to increased electric demand in the area, the existing power lines and substations cannot carry the additional load if a power outage were to occur elsewhere on the system. This could result in service interruption to electric customers.

Project benefits

The proposed project will strengthen the electric transmission system serving southern Walworth and western Kenosha counties, and help prevent outages and service interruptions. The project will also provide system redundancy and allow for maintenance outages to equipment and facilities when repairs are needed.

Transmission line and substation siting process

When proposing new transmission lines, Wisconsin law requires that utilities prioritize co-location of existing utilities and infrastructure where feasible. The siting process began in early 2012 by identifying a broad study area and preliminary corridors that would be suitable for a transmission line. These initial corridors were evaluated, then narrowed to include only the potential route options that were deemed practical based on impacts, operational performance, constructability and cost. A similar process was used to identify potential sites for a new substation. These transmission line route options and potential substation sites are being presented to the public in early 2013. These options will be narrowed further throughout 2013 with public input and further study. The final route alternatives will be included in an application to the Public Service Commission of Wisconsin for review. ATC is required to identify at least two route options and two substation site options. If approved, the PSC will determine the location of the substation and new transmission line.



Public participation

ATC provides opportunities for stakeholders who may be impacted by the proposed project to share comments and feedback. Property owners, public officials and other interested parties can attend informational open houses and/or monitor the project developments on ATC's website. The PSC also provides opportunities for public involvement throughout the regulatory review process, and will notify affected landowners when public hearings are scheduled.

Schedule*

Project introduced to the public	Early 2013
Potential routes shared with the public	Early 2013 through Summer 2013
Environmental field review	Spring 2013
Submit application to PSC	Spring 2014
Receive PSC decision (anticipated)	Summer 2015
Design line and obtain easements	2015 and 2016
Start construction	July 2016
Project in service	Spring 2019

**Subject to modifications*

Your ATC contact

Mary Carpenter

Local Relations Representative

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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 December 2012



www.atc-projects.com

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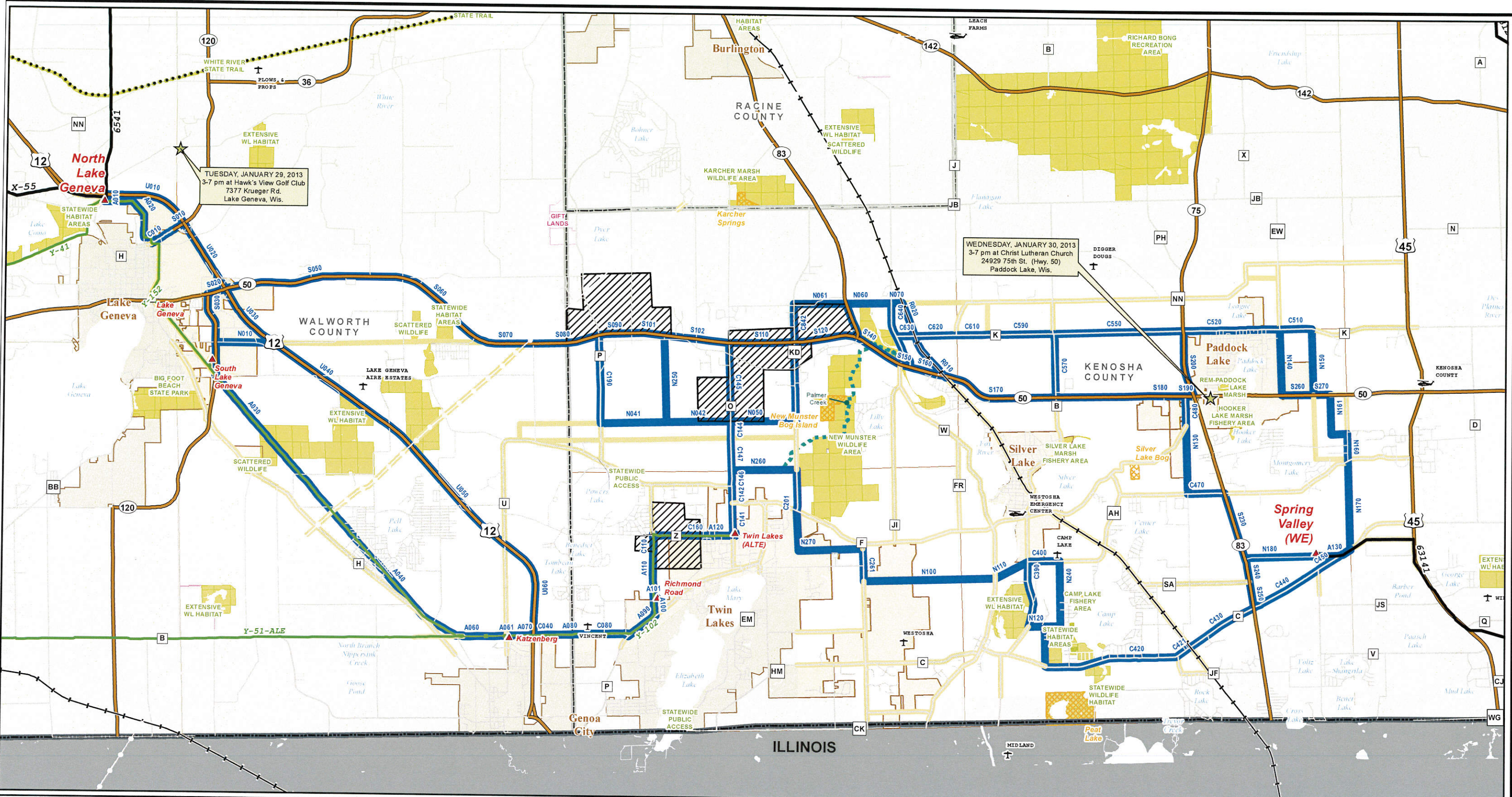


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Preliminary Route Options Spring Valley-North Lake Geneva

Last Update: Wednesday, December 26, 2012

Miles

The information presented in this map document is advisory and is intended for reference purposes only. American Transmission Company owned and operated facility locations are approximate.

Base Map Data Sources: ATC, WDNR, PSCW, WDOT.

Open House Date and Location

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Outside Study Area

Potential Sub Siting Areas

Routing/Siting Priority Corridors

EXISTING ATC TRANSMISSION LINES

▲ ATC Substation	Single Circuit	Double Circuit
	69 kV	69 kV
	138 kV	138 kV
	345 kV	345 kV

OTHER CORRIDORS

- Interstate, US or State Highway
- Approximate Gas Pipeline
- Railroad
- State/County Trail

***Corridor Designations**

A = ATC Transmission Line	C = County Highway
G = Gas Pipeline	S = State Highway
T = Trail	U = US Highway
R = Railroad	N = New ROW

ROUTING/SITING PRIORITY CORRIDORS

EXISTING ATC TRANSMISSION LINES

▲ ATC Substation

Single Circuit: 69 kV, 138 kV, 345 kV

Double Circuit: 69 kV, 138 kV, 345 kV

OTHER CORRIDORS

- Interstate, US or State Highway
- Approximate Gas Pipeline
- Railroad
- State/County Trail

† FAA Airport ✈ FAA Heliport

City/Village

SENSITIVE LANDS*

- Trout Stream
- State Natural Area
- WDNR Fee Owned
- WDNR Easement

*All sensitive lands may not be shown

Map Area Shown in Red

