



# UPDATE

## Jefferson County Electric Reliability Project

*An update on construction plans for new power line*

February 2008

### Schedule set for construction of power line

#### Construction on line to start this year; in service 2009

A new 138-kilovolt transmission line between Waterloo and Jefferson has been in the works since 2004 when the project was first introduced to the public. The approval and route decision in July 2006 on the Jefferson County Electric Reliability Project by the Public Service Commission was met with some legal challenges. With the legal issues resolved, ATC will begin constructing the 17-mile line this summer.

"The original in-service proposed for the line was spring 2008," said Mary Carpenter, local relations representative. "Normally, regulatory approval would allow us to immediately begin plans for engineering, easement negotiations, material procurement and construction, but we believed it was important to allow the legal challenges on the route and the regulatory process to run their course before we proceeded."

With these issues put to rest, ATC has set a schedule for easement acquisition and construction with the goal of placing the line in service by summer 2009. "The courts upheld the PSC's decision on the route, and that paves the way to begin this much-needed project," Carpenter said.

#### Preparations for construction underway

During the early spring months, ATC's real estate group will be preparing easement documents and begin meeting with landowners with whom the company needs to acquire easements. According to Andy Eberhardt, Sr. Real Estate and ROW agent, this process will begin this spring and continue until completion of the project.

Also this spring, crews will be doing soil borings along the route to determine the conditions for supporting a transmission pole. Knowing whether a pole foundation will be placed in rocks or soil helps engineers calculate the pole heights and locations, and the foundation depths which can be as much as 16 to 18 feet. Forestry and vegetation clearing is needed prior to the construction of the line. "Right-of-way clearing has two purposes on new projects," said Carpenter. "First it allows crews, vehicles and equipment to safely access the construction areas, and second, it allows for the safe and reliable operation of the line after construction by reducing the possibility for trees and limbs to contact the line." Carpenter said the easement will be 80 feet wide in most areas depending on what other transmission line facilities are already present.

Construction of the line including placement of the poles and wires is scheduled to begin in September on the south end of the project at the Jefferson Substation and conclude in spring 2009 at the Stony Brook Substation. Prior to the construction of the transmission facilities, We Energies and Lake Mills Utility will be relocating and/or burying some of their existing distribution lines to make room for the transmission lines. "To the extent this work impacts easements, landowners will be made aware of how all of the work affects their properties," Eberhardt said.

#### ATC to install temporary substation equipment to ensure reliability this summer

With the in-service date for the new power line pushed back by a year, ATC engineers are concerned that the existing system serving Jefferson County may not be adequate for this summer's electrical demand. "Several days of hot humid weather this summer could compromise the reliability of the existing facilities serving the area," explained Carpenter. "We will be installing a device called a capacitor bank at the Boxelder Substation to help ensure uninterrupted power this summer. This is a temporary fix, however, and is not a long-term solution to the system needs in the county."

## Looking ahead

**Design and engineering are under way.**

**Easement acquisition and pre-construction activities begin in spring 2008.**

**Tree and vegetation clearing to take place in summer 2008.**

**Relocation of distribution lines by We Energies begins spring 2008.**

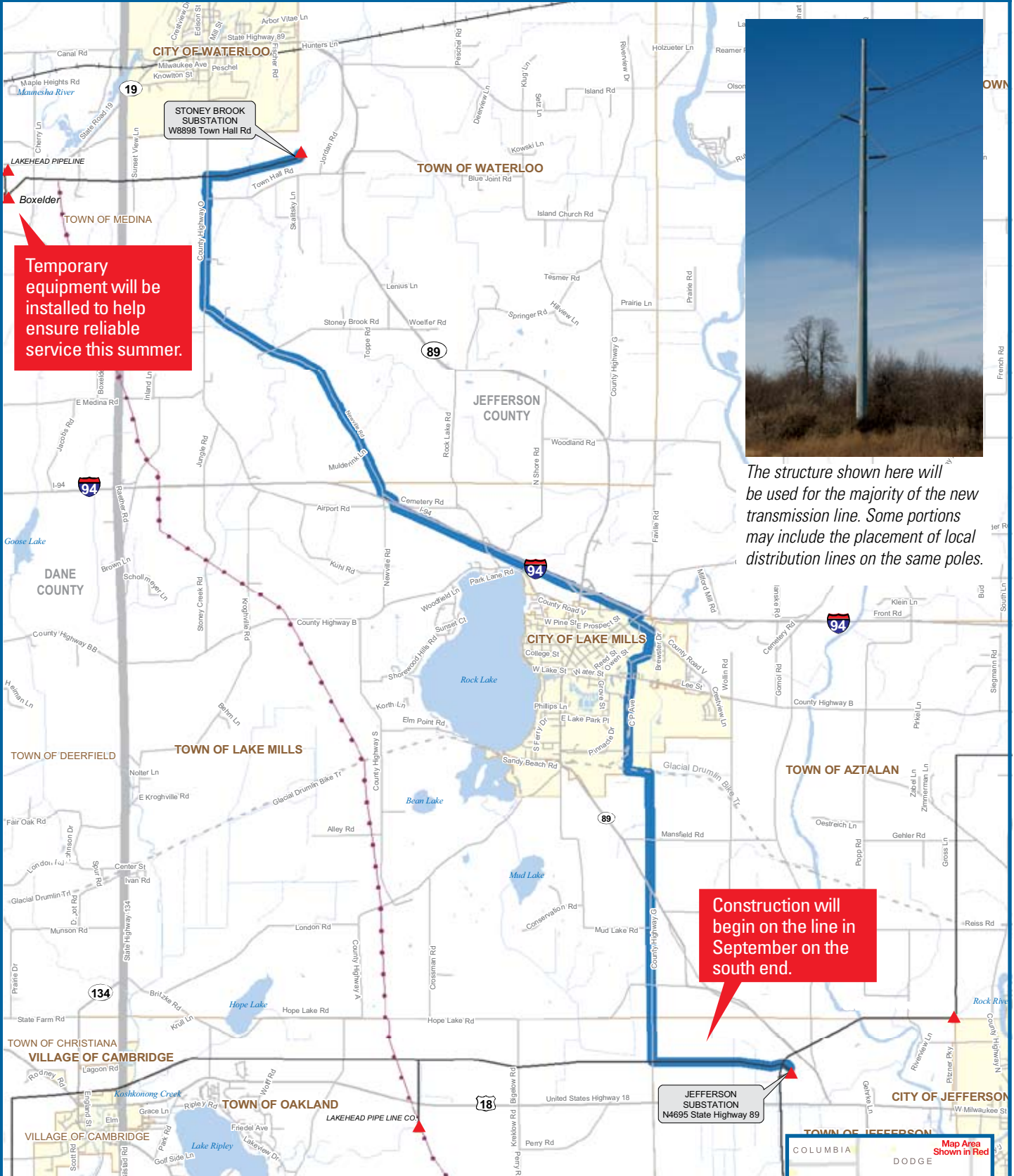
**Construction of new transmission line will begin in September 2008.**

**Line to be placed in service in early summer 2009.**

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# Transmission Line Route

The northern portion of the route will run along an existing transmission line, County Highway O, Newville Rd., Cemetery Rd. and I-94. The southern portion follows county and town roads, including County Highway V, CP Avenue and County Highway G, and includes short sections of new right-of-way.



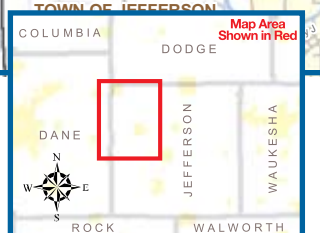
Temporary equipment will be installed to help ensure reliable service this summer.



The structure shown here will be used for the majority of the new transmission line. Some portions may include the placement of local distribution lines on the same poles.

Construction will begin on the line in September on the south end.

JEFFERSON SUBSTATION  
N4695 State Highway 89



▲ Substation     
 138kV Single Circuit     
 4,000 2,000 0 4,000 feet     
 Approximate Petroleum Pipeline Location

The information presented in this map document is advisory and is intended for reference purposes only. American Transmission Co. owned and operated facility locations are approximate. Base Map Data Sources: ATC, WDNR, PSCW.