



# UPDATE

## Gardner Park – Central Wisconsin Morgan – Werner West Transmission Line Projects

An update on projects to boost system reliability in north central and north eastern Wisconsin.

February 2008

### Two segments completed as construction progresses along project Project remains on schedule

Work continues to progress along the segments of the Gardner Park-Central Wisconsin and Morgan-Werner West transmission line projects. Since starting construction in Fall 2006, two segments have been completed: Morgan-White Clay, and Caroline-Badger. ATC currently is preparing for construction on the Werner West-Clintonville segment and the Gardner Park-Structure #773 segment is currently under construction.

"Construction continues to move along schedule," said Brad Ballard, ATC project manager. "We're appreciative of all the parties involved that have helped move this process forward so smoothly."

#### Summary of Gardner Park-Central Wisconsin Transmission Line project

Wisconsin Public Service Corp.'s 500-megawatt addition to its Weston Power Plant requires new transmission facilities to move the additional electricity output from the plant to communities. The existing transmission system that carries electricity from the power plant was built in the 1950s and cannot support the increased output.

The route for the 345-kilovolt transmission line is about 50 miles long, and essentially follows an existing transmission line corridor between the Gardner Park Substation in the Wausau area to a new Highway 22 Substation located adjacent to the existing Badger Substation in the Town of Belle Plaine, Shawano County.



A view of the transmission line west of Shawano. This portion of the project was completed last fall. See the map inside for details on all project segments.

#### Summary of the Morgan-Werner West Transmission Line Project

The route for this power line runs from the Morgan Substation in the Town of Morgan,

The new transmission lines will stretch across Marathon, Shawano, Oconto, Waupaca and Outagamie Counties. Completion of both projects is on schedule for December 2009.

**To prepare the right-of-way for arrival of all the construction and other vehicles and equipment, Aldridge Electric installs wooden mats. This enables the trucks coming in and out of the construction site to access the area.**

Oconto County, west to and through the new Highway 22 Substation, continuing south to the Werner West Substation located in the City of New London, Outagamie County.

#### Ins and outs of construction

Kenny Construction, the general contractor on the projects, has lined up all of the subcontractors for construction.

*(continued inside)*



## Two segments completed (continued)

To prepare the right-of-way for arrival of all the construction and other vehicles and equipment, Aldridge Electric installs wooden mats. This enables the trucks coming in and out of the construction site to access the area.

Aldridge Electric also will drill the foundation holes and pour the concrete for these foundations. The holes are for the steel transmission poles and the foundations help keep the steel anchor-bolt cages and, ultimately, the steel poles in place.

Once vehicles are allowed access, holes are drilled and foundations are poured, the site is ready for installation of the steel transmission poles. PAR Electric is the company that off-loads the poles from the heavy hauler trucks. Once the poles have been removed from the trailers, PAR later sets the pole in the foundation, which is later attached by anchor bolts. Wires will be strung from the structures and energized at the very end of the process.

Some of the vehicles you can expect to see along the right-of-way include cranes, bulldozers, back hoes, and skid steers, to name a few. If you see any of this equipment being transported, please give the drivers room along the roadway, so the operators are better able to see your vehicle.



The insulators, pictured above, place space and insulation between two pieces of conducting material, usually the wire and the arm of the pole.



A crane prepares to lift part of a transmission pole off of a flatbed to install along the right-of-way.

## Timeline

<b>2004-early 2005</b>	ATC held 40 public open house sessions to discuss the projects and route options
<b>Spring 2005</b>	ATC submitted CPCN application to PSC
<b>April 2006</b>	PSC held public hearings in project area
<b>June 2006</b>	PSC approves application, authorizes construction and orders routes
<b>Summer 2006</b>	ATC began land surveys and easement acquisition with affected landowners
<b>Late fall 2006</b>	ATC begins construction
<b>December 2009</b>	New lines expected to be in service

# ATC in the community

Employees from ATC, Kenny Construction and PAR Electric gathered together in July 2007 to build a garage for the Habitat for Humanity project in Wausau.

"This was a great effort by all three companies, and we had fun and got to help a family in need at the same time. This is a cool organization. It's a 'hand up', instead of a 'hand out,'" said Paul Haworth, Kenny Construction Project Manager.

ATC, Kenny and PAR all had personnel who donated their time toward building the roof for the garage. The group started early in the morning, and worked the entire day, until the garage was completed. During the course of their work they also met the soon-to-be-homeowner, which the group enjoyed. "It was great to be able to meet the person we were helping," Haworth said.

**"This is a cool organization.  
It's a 'hand up', instead of a 'hand out.'"**

— Paul Haworth, Kenny Construction Project Manager

Habitat for Humanity has a strong presence in the Wausau area. Every year, Habitat holds a Mardi Gras fundraising night which has a very large turnout. This year, ATC and Kenny Construction sponsored tables for the event, which took place on February 5.

For more information on how you can help Habitat for Humanity, visit [www.habitat.org](http://www.habitat.org).



*At the end of the day, the group celebrates a job well done.*



*Volunteers set the last truss, which is a triangular unit that connects at the end with joints. It was an integral part of the garage that was built.*



*During the briefing and setup, volunteers await their assignments.*