

# **DUPLAINVILLE ELECTRIC RELIABILITY PROJECT UPDATE**

## **ELECTRIC UTILITY IMPROVEMENTS IN NORTHEASTERN WAUKESHA COUNTY**

### **PROJECT OVERVIEW**

Following public input and regulatory hearings last year, approval was granted by the Public Service Commission (PSCW) of Wisconsin in October 2003 allowing ATC to construct a 10-mile transmission line between Waukesha and Sussex to meet increased electric demand in northeastern Waukesha County. The transmission line is needed to connect existing substations in Waukesha and Sussex, and to serve a new We Energies substation, called Duplainville, planned for start of construction next fall near Highway 164 and Green Road in Pewaukee.

### **PROJECT NEED**

Upgrades to the electrical system are needed to accommodate increases in electric load in several Waukesha County communities. The population growth in the area combined with the significant growth of commercial and industrial business has greatly increased the demand for electricity in the area. The capacity of the existing electric system is no longer adequate to meet the increased electric demand, and upgrades are needed to ensure continued reliable electric service.

### **PROJECT DESCRIPTION**

ATC will build a new 10-mile, 138-kilovolt transmission line on single-pole structures. The line will connect We Energies' new Duplainville substation to its existing Waukesha substation located south of Crites Field, and its existing substation in the village of Sussex.

### **PROJECT STATUS**

Soil boring tests and staking within the existing road easement along Hwy. 164 and Hwy. 74 is underway along the route. Our contractor, Geo-Tech, will collect samples at many locations, mostly in road right-of-way, along the route to determine soil characteristics. This data will then be used to determine the types of structure designs that will work with the soil conditions and the preliminary placement of poles. The pole design options will be discussed with public officials and with landowners along the route.

Some modifications to the original transmission line route, including the elimination of a one-mile segment on Capitol Drive are being reviewed by the PSCW. An alternative substation site being proposed by We Energies is also under review. Construction of both the new substation and the transmission lines is expected to begin late this fall.

### **FOR MORE INFORMATION**

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