



**2016 10-Year Assessment Projects PLANNING ZONE 5**

Currently, ATC owns or operates transmission facilities in Wisconsin, Illinois, Minnesota, and the Upper Peninsula of Michigan. Facilities include:

- Approximately 9440 miles of transmission lines
- 96 wholly owned substations
- 419 jointly owned substations
- ATC offices in Madison, Cottage Grove, Pewaukee, DePere, and Kingsford, WI

*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. Depending on the status of the projects shown, the transmission line additions may be for illustrative purposes only and may not reflect the actual routes.*

- SUBSTATION KEY**
- SS** New substation  
Supports transmission system expansion
  - SM** Substation modifications  
Upgrades equipment ratings to avert facility overloads
  - T** Transformer  
Supports local growth and improves voltage levels
  - C** Capacitor bank or reactor  
Relieves low voltages or high voltages
  - T-D** Interconnection  
Supports local growth

**System Solutions Key**

- TRANSMISSION LINE KEY**
- 345-kV transmission line
  - 115-, 138- or 161-kV transmission line
  - 69-kV transmission line
  - Rebuilt 115- or 138-kV transmission line
  - Rebuilt 69-kV transmission line
  - 345-kV transmission line rating upgrade
  - 230-kV transmission line rating upgrade
  - 115- or 138-kV transmission line rating upgrade
  - 69-kV transmission line rating upgrade

**EXISTING TRANSMISSION LINES KEY**

- 69 kV
- 115 kV
- 138 kV
- 161 kV
- 230 kV
- 345 kV