



Helping to keep the lights on,  
businesses running  
and communities strong®

## Building on what we do best

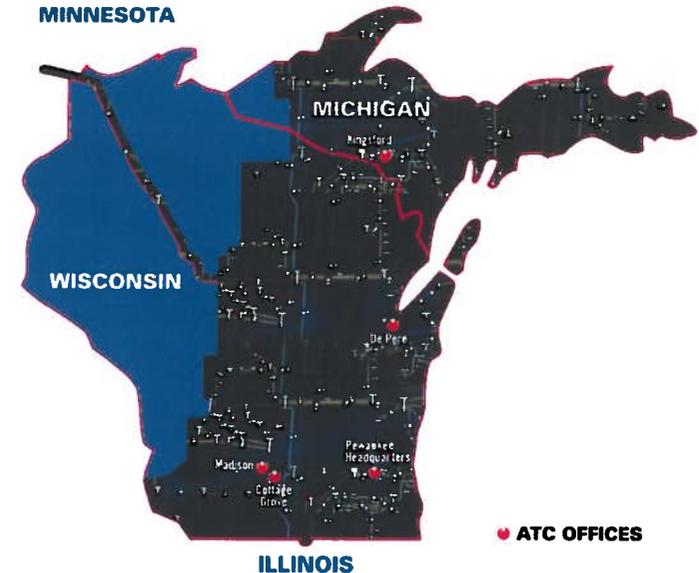
ATC's track record for building and operating transmission

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[atcllc.com](http://atcllc.com)

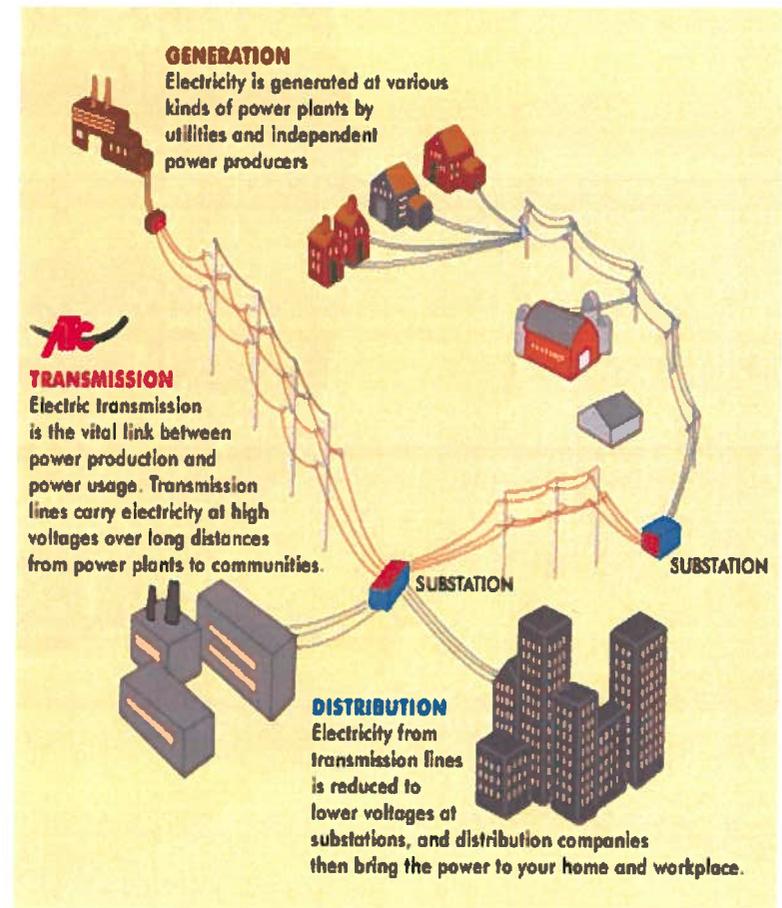
# American Transmission Co.

- Began operations in 2001 as first multi-state, transmission-only utility in U.S.
- Diverse ownership base that includes investor-owned utilities and public power
- Grew from \$550 million in assets in 2001 to \$3.1 billion today
- Operating 9,440 miles of lines and 525 substations in Michigan, Wisconsin, Minnesota, Illinois



# ATC and Michigan

- Serve the Upper Peninsula
- \$381M invested to date (Michigan), \$300M-\$400M next 10 years
- Transmission costs are about 10% of a retail customer's electric bill



# ATC and Michigan

## Reliability

- Nearly \$400 million invested to improve adequacy and reliability of the ATC system
- Reliability performance improving
- Significant ongoing transmission system planning analysis
- Non-conforming load curve



# ATC and Michigan

## Economics

- Improved access to the wholesale energy market
  - Increased import capability
  - Reduction in the cost of energy
    - Locational marginal prices (LMPs) 20% higher than neighbors in 2005
    - LMPs today nearly equal to neighbors
  - Reduction in losses



# ATC and Michigan

## Renewable connections

- 28 MWs of wind energy resources connected to ATC's system in Michigan
- 200 MW of potential renewable generation in ATC's queue



# Engaging stakeholders

- Business practice – engaging stakeholders in transmission discussions
- 10-Year Assessment issued to interested stakeholders
- Project collaboration with various stakeholders to find best solutions
- Regional planning studies to achieve mutual goals
- Public outreach to identify local concerns, invite stakeholder input
- Involved in industry groups and benchmarking to improve operations, construction, maintenance, safety



# Environmental stewardship

- **ATC is committed to environmental leadership**
  - Compliance and impact reduction
  - Employee and contractor involvement and training
  - Partnerships with regulators and stakeholders
- **Michigan DEQ recently recognized ATC's environmental stewardship activities with its C3 Designation (Clean Corporate Citizen)**
- **Green Tier designation reflects Wisconsin DNR confidence in ATC business practices of transparency, accountability**



# ATC projects – Bay Lake

- **Holmes-Old Mead Road**
  - 60+ mile, 138-kV line (\$84 million to \$126 million) from the Holmes Substation in Menominee County to the Old Mead Road Substation in Escanaba
- **North Appleton-Morgan (Wisconsin)**
  - Expanded North Appleton Substation
  - 45 miles, 138- and 345-kV lines (\$189 million to \$283 million)
- **Projects would reinforce the grid in the Upper Peninsula of Michigan and northeastern Wisconsin**
  - Reduced output from generating units at power plants in the region has placed increasing importance on transmission
  - Near-constant demand results in fewer opportunities for system maintenance
  - Evolution of a wholesale electricity market



# ATC projects – Straits Flow Control

High-voltage direct current flow-control device

- \$130 million project, in-service June 2014
- Allows control of power transfer between U.P. and lower Michigan and across the U.P.
- Reliability enhancement for U.P. and lower Michigan



# Duke-American Transmission Co.

- 50/50 joint development venture with Duke Energy
- Advances ATC growth strategy
- Seven proposed DATC projects in five Midwestern states
  - Move renewable resources to demand centers
  - Relieve congestion on the grid
  - Provide operational flexibility to enhance system reliability
  - Deliver economic and market benefits
  - 1,800 miles of transmission lines, \$4 billion
- Zephyr Power Transmission Project
  - Move renewable energy from Wyoming to southwestern U.S.
  - 850 miles, \$3.5 billion



## More information

[www.atcllc.com](http://www.atcllc.com)

[www.atc10yearplan.com](http://www.atc10yearplan.com)

[www.atc-projects.com](http://www.atc-projects.com)

