AMERICAN TRANSMISSION COMPANY®

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

Transmission Update

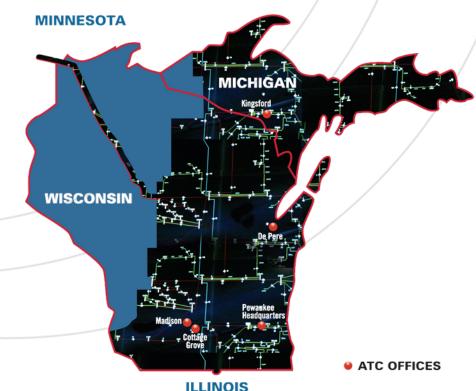
Ensuring reliability, lowering cost to deliver energy

Tom Finco, Vice President External Relations

atcllc.com

Introducing ATC

- Began operations in 2001 as 1st multi-state, transmission-only utility in U.S.
- Diverse ownership base includes investor-owned utilities and public power
- Grew from \$550 million in assets in 2001 to \$3.3 billion today
- Keeping the lights on with 9,480 miles of lines and 529 substations
 - 20% of system in Michigan



How we conduct our business

Bring people into the process

- Public outreach
- Regional planning studies
- Industry groups and benchmarking
 - 10-Year Assessment
- Committed to environmental leadership
 - Compliance, impact reduction
 - Employee involvement, contractor training
 - Proactive partnerships and systems
 - Wisconsin Green Tier
 - Michigan Clean Corporate Citizen (C3)



Transmission policy

Key issues and developments

- FERC Open Access Order (Order 888/1996)
 - ATC offers non-discriminatory access to all generation and load
- Move to regional (market) based planning and operation
 - Regional Transmission Organizations (i.e. MISO)
- Renewable Portfolio Standards (RPS)
- FERC Order 1000
 - Public policy need drivers
 - Cost allocation
 - Competition
 - Interregional Planning
- EPA regulations on air emissions



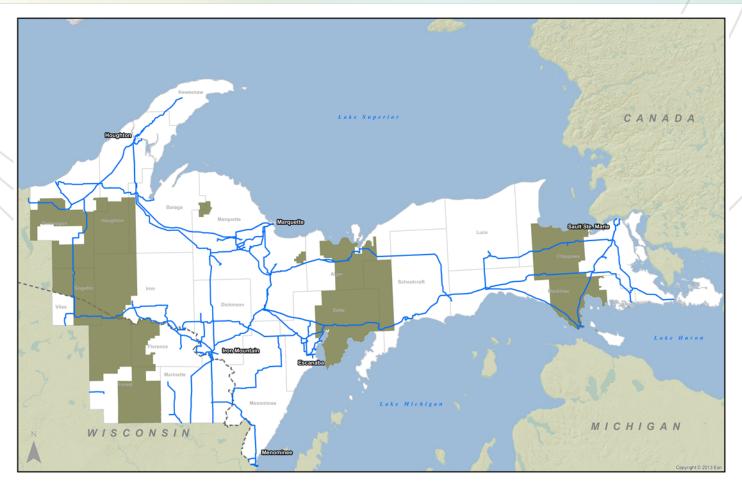
Grid improvements at-a-glance

\$2.8 billion invested

- Upgraded 1,748 miles of transmission line
- Improved 161 electric substations
- Built 46 new transmission lines (589 miles)
- Upper Peninsula specific
 - \$400 million invested
 - 730 miles of transmission
 - 36 substations

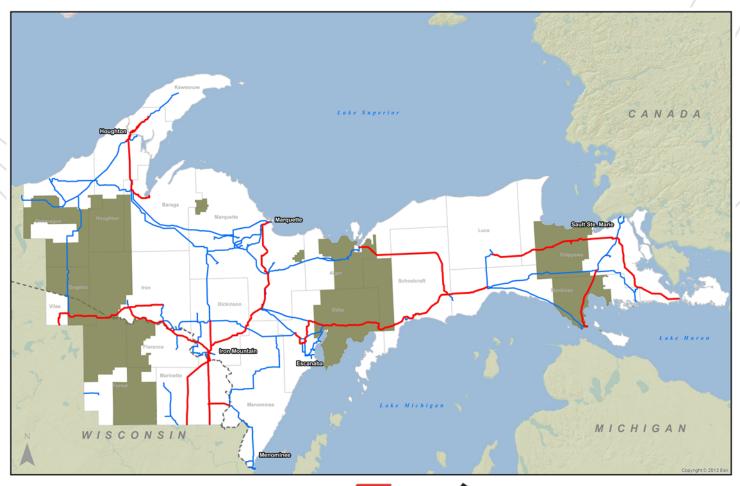


Upper Peninsula transmission system



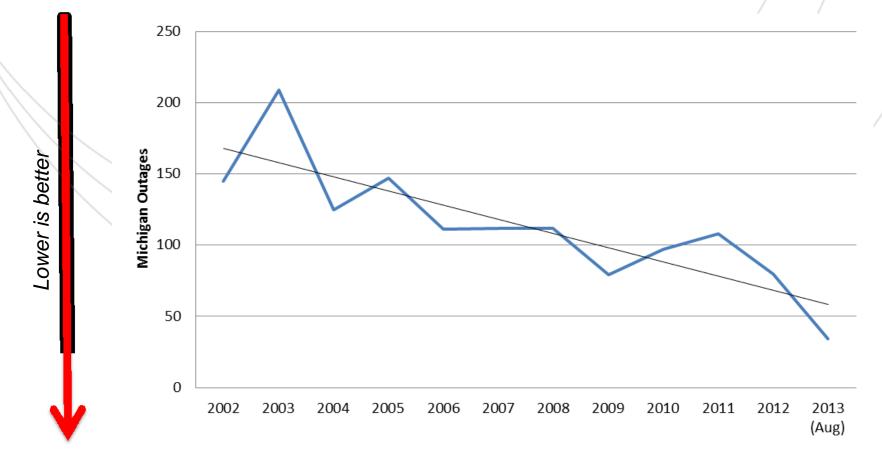


Upper Peninsula transmission system





Reliability improvements – total sustained outages

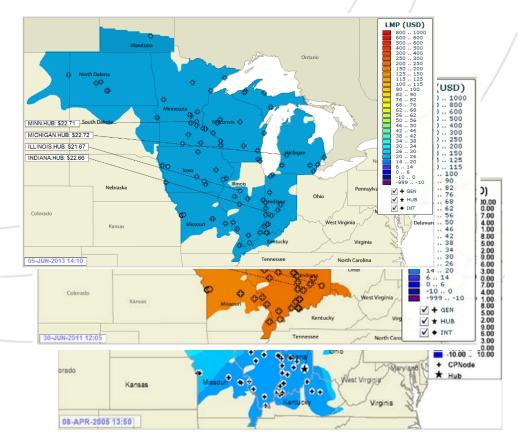


A sustained outage is \geq 1 minute



Grid provides access to market benefits

- ATC projects over past 3 years:
 - 99% of cost will be offset by savings in energy prices over life of projects
- Significant changes in Locational Marginal Prices since 2005 due to changes in load, generation, fuel prices and transmission





Dollars and sense of grid improvements

- Transmission is a good value
- Electric superhighway allows utilities to buy and sell power when it's economic to do so
- We're asking the grid to do more than ever before
 - Evolving markets, changing sources, and new technologies







Changing investment drivers

- Reliability remains top priority
- Need no longer driven just by local load forecasts, reliability
 - Renewables, system congestion, load-shape changes make planning increasingly complex
- Significant ongoing planning
 - 2013 10-Year-Plan indicates need for additional improvements



10-Year Transmission Investment

Network projects Asset Maintenance MVPs

Other Capital Projects

Upper Peninsula is unique

- Geography
- Land use
- Transmission connections
 - Predominately north-south with Wisconsin
 - HVDC (mid 2014 in-service) controls excessive east-west flows through the UP
 - Total import capability: from 180mw to 500mw
- Energy use characteristics
 - Mix of industrial, commercial and residential
- Energy production
 - UP based generation is decreasing



Current developments in Upper Peninsula

Presque Isle Power Plant

- Future being evaluated
- Options (generation, demand response, transmission) will be evaluated
- Load uncertainty
 - Empire Mine
 - Load growth
- Marquette Board Light and Power
- RTO coordination & approvals (MISO)
- Retail choice



Takeaways

- Dynamic environment
- Stay engaged
- Generation mix is changing
- Input is important: it's not ATC's plan, it's our plan
 - Be mindful of nexus with emerging need drivers
 - Growth, economics, public policy
 - Regional cost sharing = regional transparency and approvals
- Reliability top priority
 - Need for continuing investments
 - Mindful of cost / benefit
- Transmission is a good value
 - Market and policy enabler



More information

www.atcllc.com

www.atc10yearplan.com

www.atc-projects.com



