Center for Public Utilities Advisory Council
Current Issues 2014

The Wires Industry -- Who Will Pay for Tomorrow’s Grid?

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ITC by the Numbers

1st Fully Independent Electric Transmission Company in the Nation

4 in 7
4 Subsidiaries in 7 States

15,000 Circuit-Miles of Transmission Lines

26,000 Megawatts of Combined Peak Load
Michigan Thumb Loop Project

Public Policy Initiative


• February 25, 2011: Michigan Public Service Commission granted an expedited siting certificate authorizing ITC to construct the line.

• 140 miles of double-circuit 345,000 volt (345 kV) lines spanning Michigan’s Thumb Region.
  – $510 million investment in Michigan’s grid
  – In-service date: 2015

• Construction phase impact to Michigan economy of $366 million, including employment of local contractors, vendors and suppliers.

• Estimated direct effect employment impact: 320 jobs.
Wind Interconnections
ITC Midwest

• 23 new generator interconnects completed to date, adding approximately 2,500 MW of wind energy production capacity

• Added wind capacity is more than the total installed wind capacity existing in Iowa in 2007 prior to ITC’s acquisition of IPL assets

• Wind capacity now accounts for approximately 43% of the nameplate generating capacity connected to ITC Midwest’s transmission facilities

Active ITC Midwest Interconnection Requests in MISO Queue

• 20 projects (approximately 2,300 MW) under evaluation.

• 8 projects (approximately 950 MW) already connected with studies complete and GIA amendments pending
Energy Industry Challenges

An Aging Grid
Historically underinvested, not built for today’s demands, let alone future demands

Energy Generation
Old power plants nearing retirement;
New forms of energy generation coming online (e.g., wind, solar, biofuels)

New Demands and Uses
New and increased demands added daily
(e.g., demand response, efficiency programs, electric vehicles, manufacturing plants, data centers)

Policy Focus
Transmission policy reforms continue to evolve through FERC policies
THANK YOU!

Simon Whitelocke