

Iowa Utilities Board High Voltage Notice of Inquiry

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ITC Midwest

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Agenda



- **ITC Projects**
 - Lakefield-Hazleton Projects
 - Green Power Express
 - Salem-Hazleton
- **Ongoing Demand for Transmission**



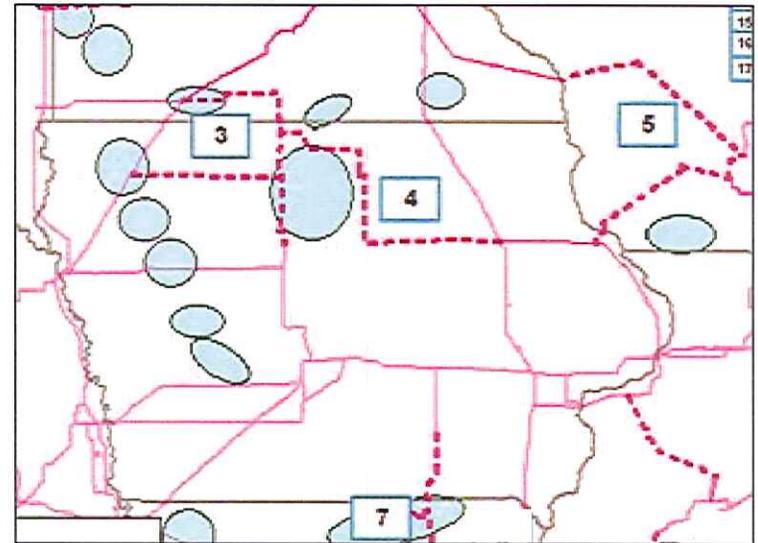
Lakefield-Hazleton Projects

- ITC and MidAmerican Energy are kicking off efforts to build more than 400 miles of 345 kV lines in southwest Minnesota, northwest Iowa and north central Iowa
- Projects will serve as part of the high-voltage electric transmission backbone needed to address:
 - Continued demand for wind generator interconnections
 - Need for significant reliability improvement
 - Transmission capacity needs



Lakefield-Hazleton Projects

- Projects have been studied by MISO and designated “Multi-Value Projects” with costs shared across the MISO territory of 11 states.
- As proposed, lines will commence with Lakefield substation in southwest Minnesota and planned substation in O’Brien County, connect to planned substation in Kossuth County, before heading east to Mason City area and toward Independence
- ITC also discussing with ATC and MidAmerican projects 5 and 7



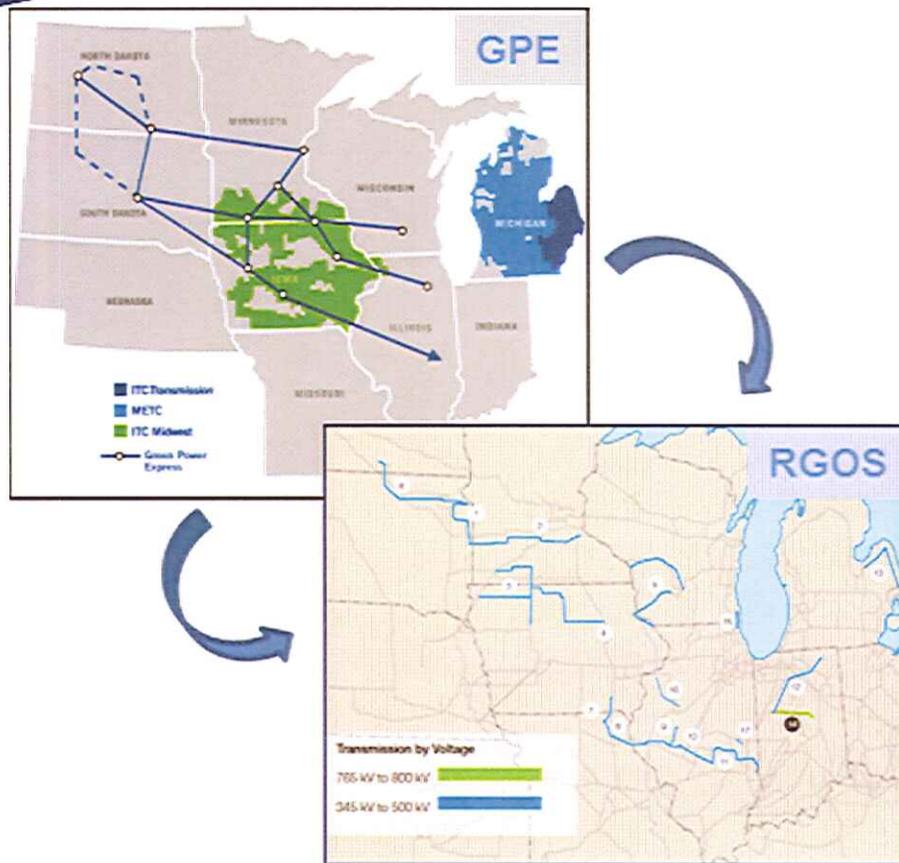
Note: Final line routes will be determined through routing studies and regulatory processes



ITC Next steps

- ***Beginning conversations with key stakeholders***
 - Meeting with local government and community officials
 - Answer questions about impacts and timing
- ***Initiating regulatory processes***
 - In Minnesota, public open houses scheduled Sept. 11-13
 - In Iowa, working on route studies, scheduling public information meetings, assessing regulatory options and requirements
- ***Anticipating in-service dates between 2016 and 2018, depending on segments***

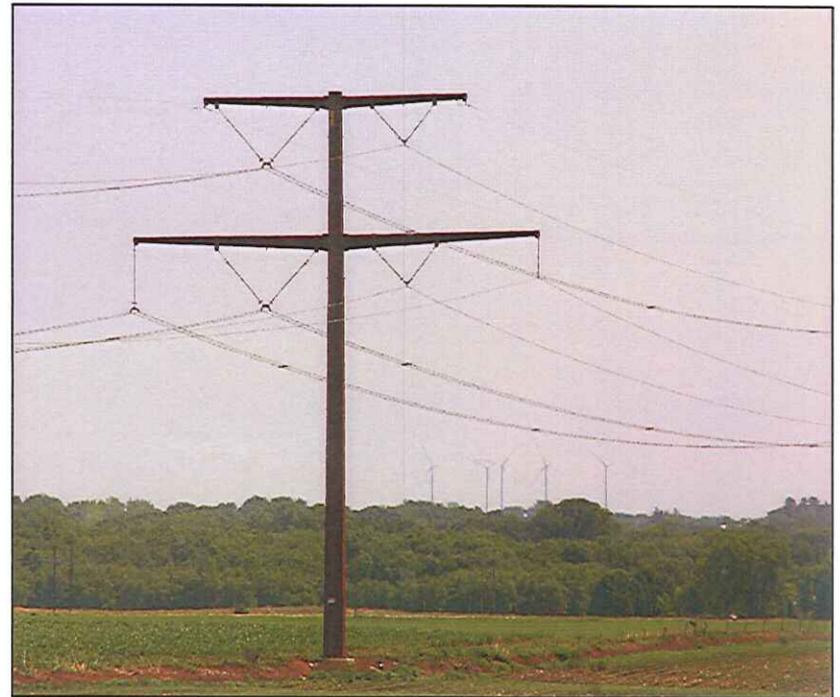
Building on the Work of GPE



- **MISO planning policy reforms validated ITC's efforts around Green Power Express**
 - Regional Generator Outlet Study provided overlay equivalent to GPE
 - Multi-Value Projects (MVP) policy provides for regional cost allocation for MVPs
- **As a result of these policy reforms, MISO developed a basket of starter RGOS projects that would qualify as MVPs**
 - Five paths electrically equivalent to the Green Power Express
- **In December 2011, MISO approved the first basket of MVPs**

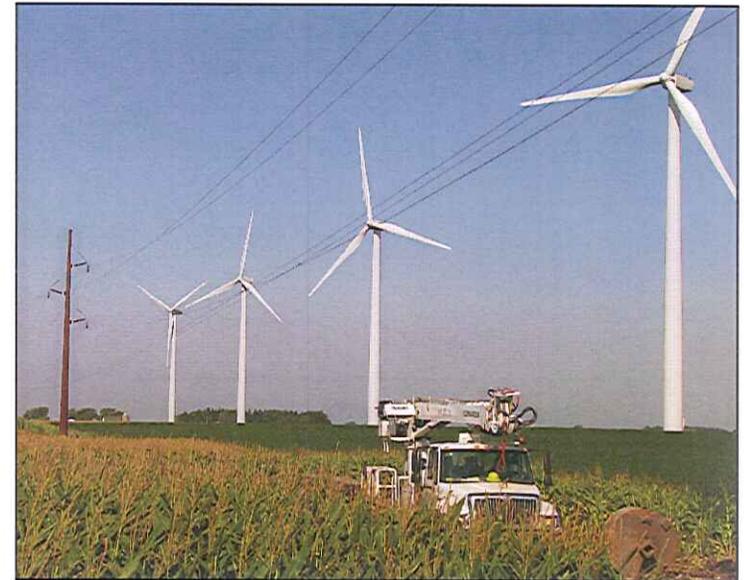
Salem-Hazleton 345 kV Line

- Significant progress on Salem-Hazleton construction
- More than 320 of 592 total structures are in place
- More than 25 miles of the 81 mile line completed
- Following the District Court ruling affirming IUB decision, 3 of the 7 remaining condemnation landowners signed easements
- Anticipating mid-2013 in service



Continued High Demand For Transmission Outlet

- More than 30 interconnection requests under evaluation (one non-wind request)
- Approximately 3,030 MW of wind energy capacity on ITC Midwest system
- Facilities being constructed to interconnect additional 335 MW of wind energy capacity in 2012, and 338 MW in 2013
- Wind energy nameplate capacity roughly equal to 80 percent of ITC Midwest load
- On at least 65 high-wind days this year, wind output exceeded native load



ITC Midwest has completed 16 generator interconnects since 2008

