

Inter-Regional Transmission: Are We There Yet?

ESIG Fall Technical Workshop – Session 7

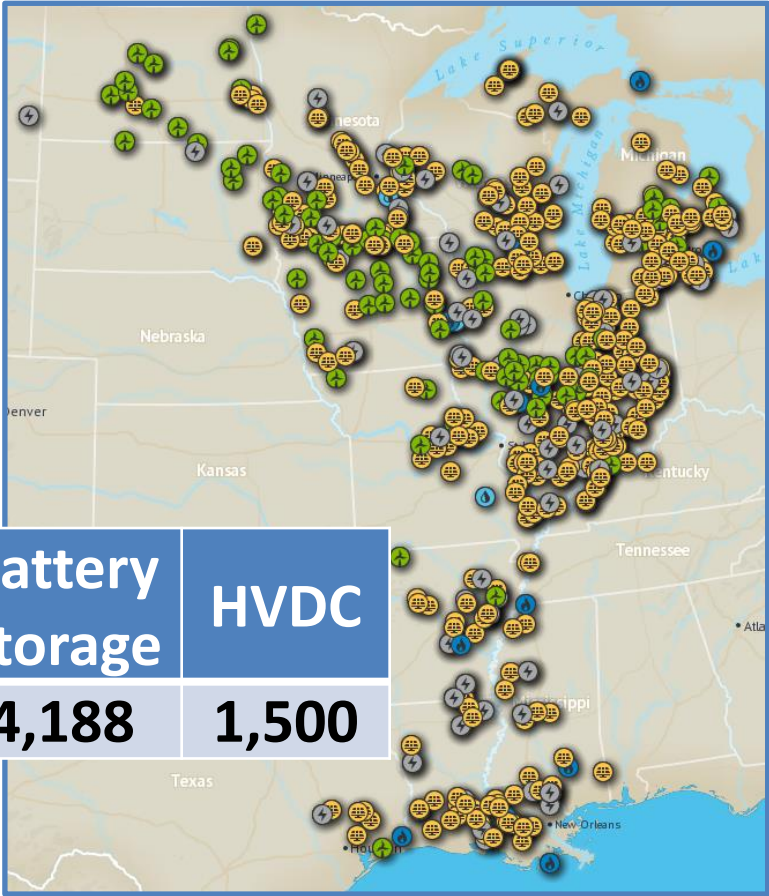
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Interregional Planning Is Only Part of the Puzzle

- Local Planning
- Regional Planning
- Generation Interconnection Planning
- **Interregional Planning**
- Interconnection-Wide/Cross-Interconnection Planning

Explosion of Solar and Wind Proposals in MISO



Solar	Wind	Hybrid	Gas	Battery Storage	HVDC
66,221	21,222	5,900	5,132	4,188	1,500

Source: MISO

Yet Local Transmission Projects Dominate

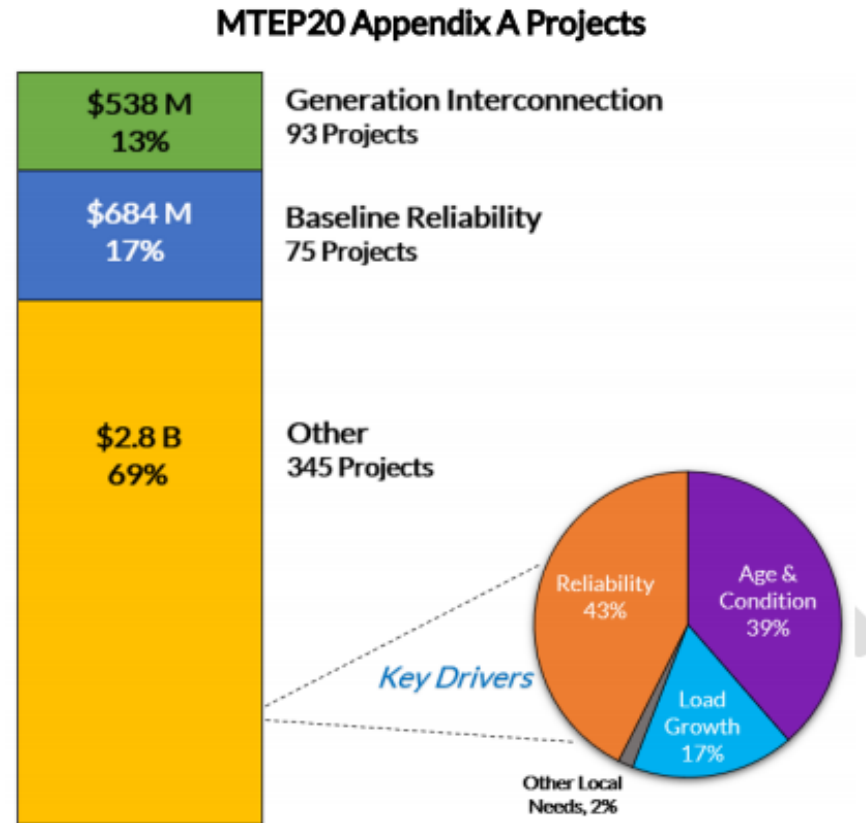
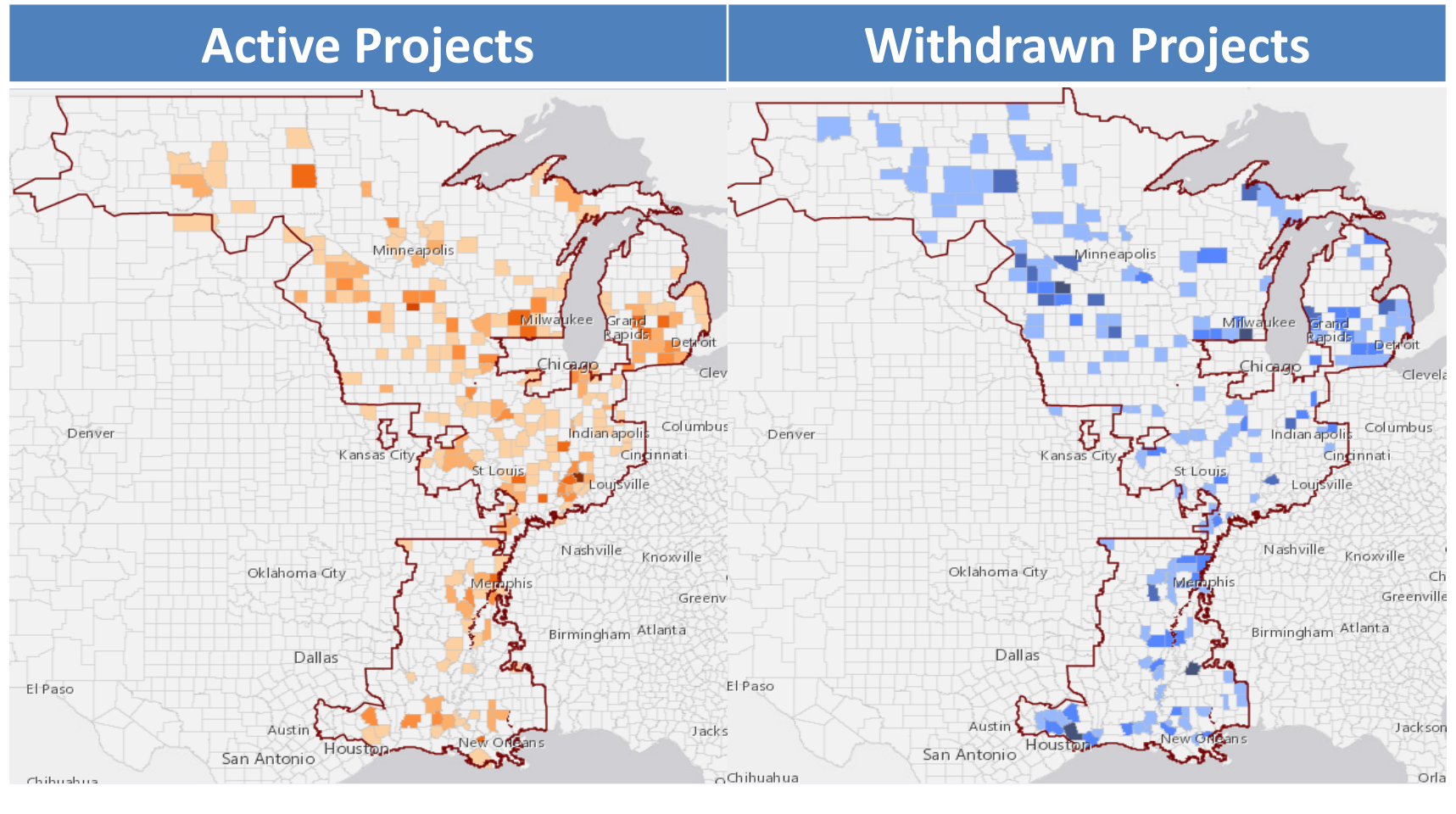


Figure 1.3-1: Appendix A New Project Investment

Source: MISO

And Most Generator Projects Are Withdrawn



Source: NRDC analysis of MISO data

FERC Order 1000 Isn't Working

- Required only coordinated interregional planning
- “Triple hurdle” approval process
- No minimum standards for benefit metrics
- Competition for most non-reliability projects
- Result: proliferation of primarily local projects; far fewer regional and virtually no major interregional projects

Example: MISO-SPP Studies Yield No Projects



Why? Lack of Harmonization

- Different futures with different assumptions
- Weak futures
- Different cost estimates
- Shift away from a joint model

What Would Success Look Like?

- **Consolidated Planning** to meet local, regional and interregional needs
- **Coordinated Planning** of generator interconnection and long-term planning
- **New FERC standards for and oversight of interregional planning**

Interregional Planning Reforms

- Require a single set of metrics and planning criteria for interregional studies
- Eliminate triple hurdle approval process
- Create new interregional planning boards to select and allocate costs (including in non-RTO regions)

New FERC Office of Transmission Planning

- Create new FERC staff office to oversee planning and investment
 - *Functionally similar to current Office of Energy Market Regulation*
- Increase transparency and data access
- Integrate grid-enhancing technologies into planning
- Facilitate development of interregional and connection-wide connections

Contact Information

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Sustainable **FERC** Project

Policies for a Clean Electric Grid