



ELECTRIC TRANSMISSION 201: Permitting

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Outline

Challenges and Opportunities



- Background
- Authority
- Process
- Challenges
- Opportunities
- Recent Developments

Background

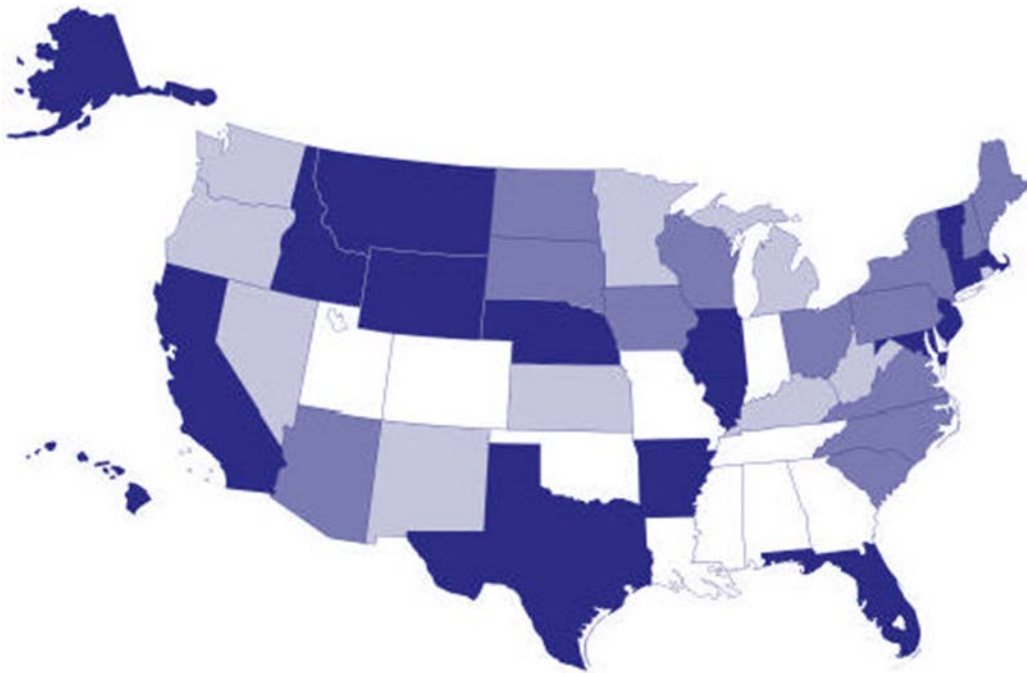
Where We Are Now



- Age of Infrastructure
- Lack of Federal Standard
- Contrast with Pipelines
- Evolving into a significant challenge
- Taking more and more time to permit large transmission

Authority

Piecemeal Federal Authority



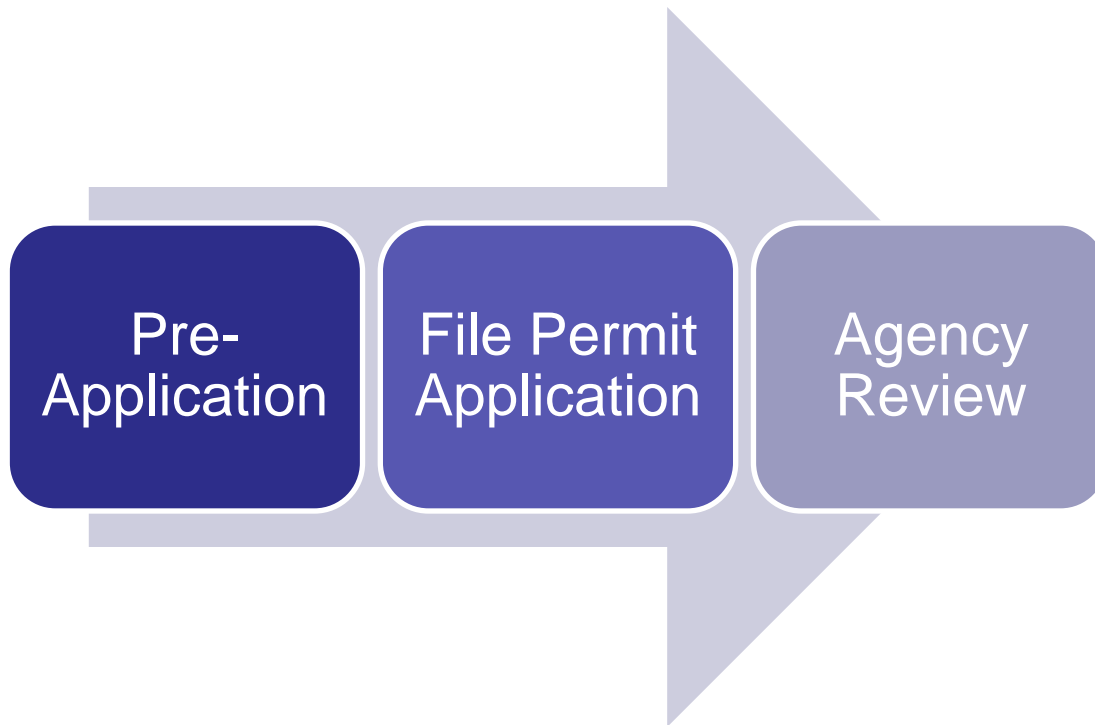
- Federal authority is project specific & nexus dependent
 - Land – Federal / State Lands (USFS, BLM, NPS)
 - Money – Loan guarantees (DOE, USDA)
 - Statute – Presidential permit, Clean Water Act (DOE, USACE)

States – Siting Boards / Utility commissions

- ~75% have state siting processes

Source: Edison Electric Institute, *Transmission Line Siting Regulations: State-Level Directory*, 2001.

Process

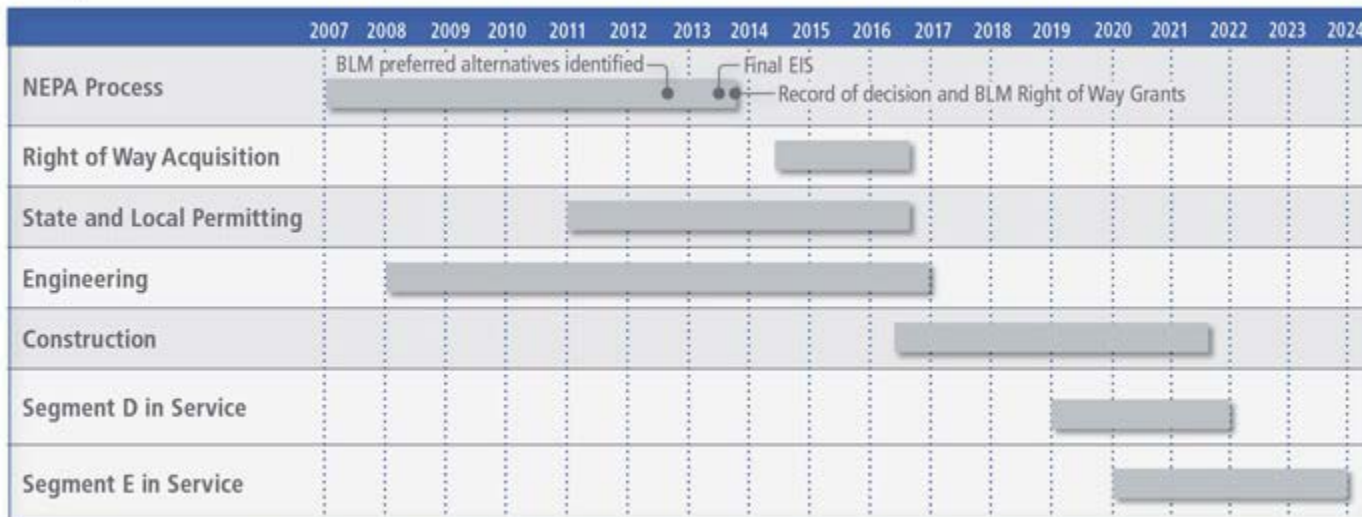


- Pre-Application
 - Data Collection / Routing
 - Consultation / Outreach
- File Permit Application
- Agency Review
- Agency Decision

Challenges

- Lack of standardization / certainty
 - Different processes (Local, State, Federal)
- Agency priorities / staffing
- Technical Complexity
 - Wetlands - Clean Water Act
 - Incidental Take Permits - Endangered Species Act
- Schedule (Gateway West)

Project schedule



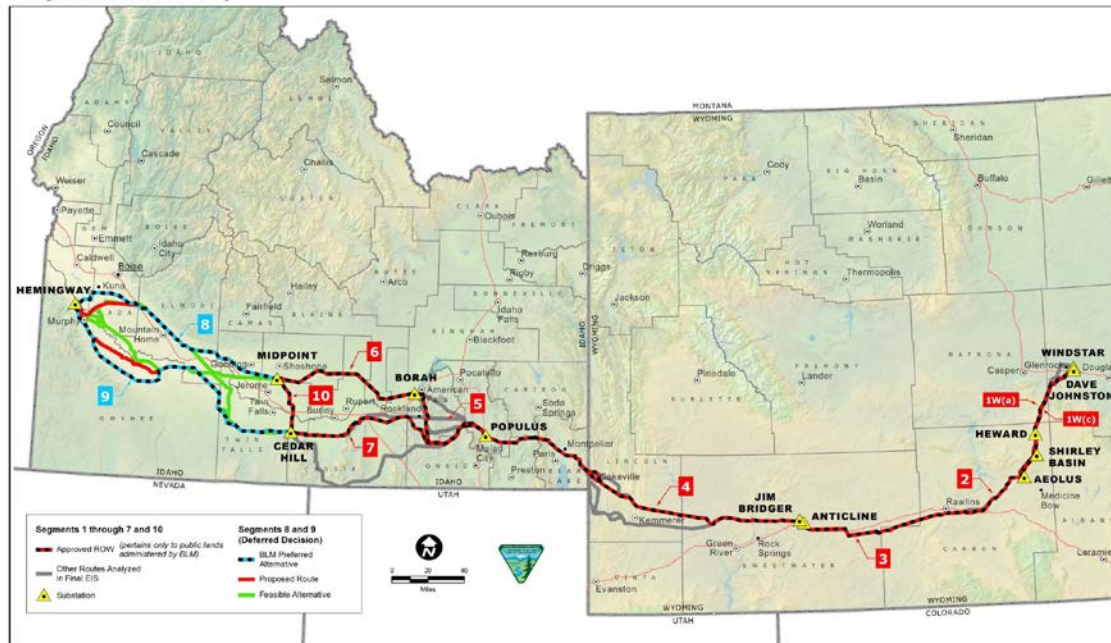
Note: Dates for segments between the Populus and Hemingway substations are to be determined.

Segment D: Primarily in Wyoming between the Windstar and Populus substations
 Segment E: In Idaho between the Populus and Hemingway substations

Challenges



Project Overview Map



November 2013

- Gateway West example
 - ~1,000 miles / 3 States
 - DOE RRTT Fast-Track
 - > 6 Years NEPA → Federal Permitting
 - 5 Years State and Local Permitting

Opportunities

Proactive Approach



- Pre-filing evolving
- Streamlining examples
- Early Outreach
- Public Involvement
- Social Media / Internet

Recent Initiatives



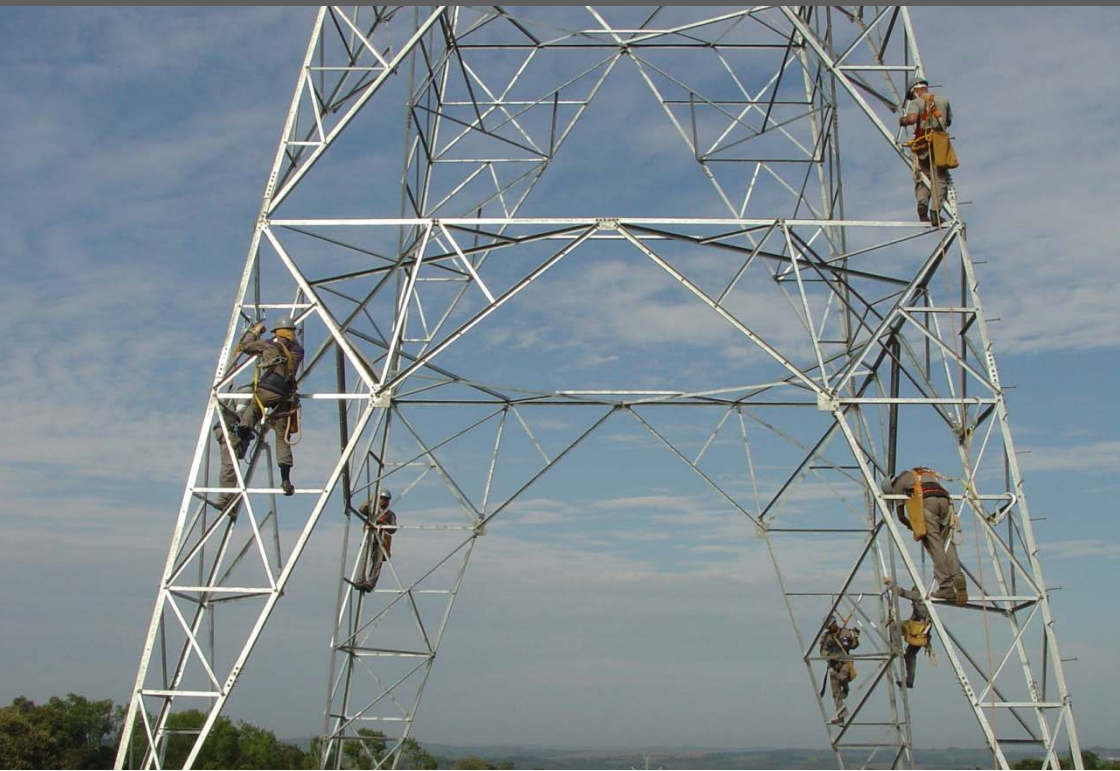
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- 2009 US DOI Fast-tracks projects / Interagency MOU signed
- US DOE's RRTT / IIP pre-filing process
- 2013 Presidential Memorandum 2013 – Expedite permitting on Federal Lands
- 2013 NY Energy Highway – Expedited permitting

Conclusions

Collaboration and Streamlining



- Lack of Federal authority is primary bottleneck
- Primary challenges in complexity and time it takes to complete permitting
- Primary opportunities in pre-filing activities