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# 2015 10-Year Assessment Preliminary Solutions

Stakeholder and Customer Presentation – May 13, 2015  
Josh Kerr

# Purpose

- Summarize preliminary solutions
- Solicit input on solutions
- Public Policy Requirements reminders
- Next steps

# Preliminary Key Messages

- Load forecast growth slightly higher in early years, but has a slightly lower long-term growth rate relative to 2013 Assessment.
- Minor impacts of implementing TPL-001-4
  - 2 new projects
- Continue to participate in Regional Studies

# Generator Retirement Study

- **Assumptions**

- At least 50 years old by 2030
- Primarily Coal or Diesel
- Exclude conversions to natural gas, or pollution controls
- Roughly 1,700 MW retired (study assumption only)
- 2025 Summer All-Project Peak model
- Power will be made up with imports into ATC

- **Sensitivity being considered**

- Generators in the MISO DPP cycle added to retirements
- Roughly 1,500 MW of generation added (study assumption only)

- **Not proposing additional projects**

# Gen. Retirement Continued

Retirements (study assumptions only)	Additions
<b>Biron, Dafter, Detour, Edgewater 3 &amp; 4, Escanaba, Gladstone, Kraft, Lakefront 5 &amp; 6, Manistique, Melissa, Munising, Nelson Dewey, Newberry Village, Portage, Presque Isle, Pulliam, Shiras2, Thilmany, Weston 1 &amp; 2, White Pine</b>	<ul style="list-style-type: none"><li>• <b>J293</b></li><li>• <b>J384</b></li><li>• <b>J390</b></li><li>• <b>J394</b></li><li>• <b>J395</b></li></ul>

# Generator Retirement Results

- No major needs identified beyond any existing retirement or G-T studies in the MISO arena
- This is only a screening study, no new projects will be added to the project list but cost estimates are being developed for potential changes.
- Specific MISO retirement and G-T studies will determine specific solutions.

# Preliminary Solutions

- See Project List

# Public Policy Requirements: 10-Year Assessment

## February 16, 2015 Stakeholder meeting discussions:

- Requirements: nothing new at this time
- Needs: nothing to add

## May 13, 2015 Preliminary Solutions Reviewed

- Address a variety of needs, including public policy
- Any public policy requirements that may not be covered by the 2015 Assessment process?



# ATC Collaborative Planning

- **10-Year Assessment Discussions**
  - Load forecasts (Load Serving Entities, LSEs)
  - Generation Changes (GOs and MISO G-T Queue)
  - Study Design, Needs, Solutions (All Stakeholders)
- **Periodic Meetings with Connected Load Serving Entities**
  - Load Interconnection Requests
  - Load forecast changes
  - Best Value Plans
  - Load solution options to network needs
- **Economic Benefits Discussions** - Study Design, Needs, Solutions (All Stakeholders)
- **T-T Interconnection Request Discussions** (TOs)
- **MISO Processes Participation** (many stakeholders)
  - G-T
  - TSR
  - Regional Studies

# Process Status

- **Completed**

- Requested load forecast from LDCs
- Sent final load forecast back to LDCs
- Process and assumptions meeting
- Suggested sensitivity studies
- Preliminary needs meeting/presentation
- Developed cost estimates

- **Next Steps**

- Draft study write-up
- Complete multiple outage study
- ATC review/approval
- 2015 Assessment publication

# Questions?

For more information, please contact

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