

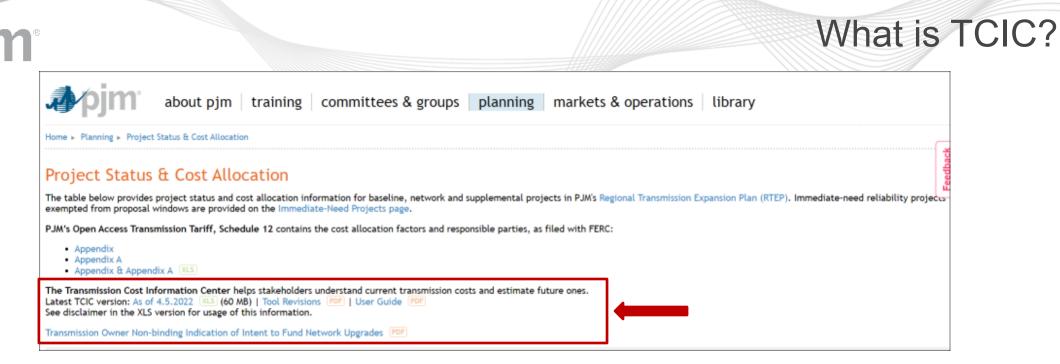
TCIC Automation

Grace Niu

Transmission Expansion Advisory Committee July 12, 2022



- What is TCIC?
- Why need TCIC automation?
- What could be achieved?
- Where we are with ongoing efforts?
- What are the next steps?



- User-interactive Transmission Cost Information Center (TCIC)
 - PJM Planning Database
 - PJM Tariff
 - Transmission Owner Rate Filings
 - PJM Settlements Data
 - Estimate future revenue requirement for each PJM Transmission Owner (user-defined date)
 - Estimate future transmission charges by customer zone (user-defined date)
- A large Excel workbook located on the Project & Construction webpage



Current Challenges

- Manually intensive update
 - Update twice per year: January and June
- 15 Tabs with thousands of formulas and data entries
 - Upgrade Information
 - Cost allocation
 - PJM Settlements data: NSPLs, TEC
 - TO rate filing
 - Formulas in the workbook as needed
- Huge excel workbook (60MB)



TCIC Automation Objectives

- Reduce manual processes
- Avoid human errors
- Streamline internal and external data exchange
- Enhance posting/data alignment
- Improve user experience
- Utilize available technology enhancements

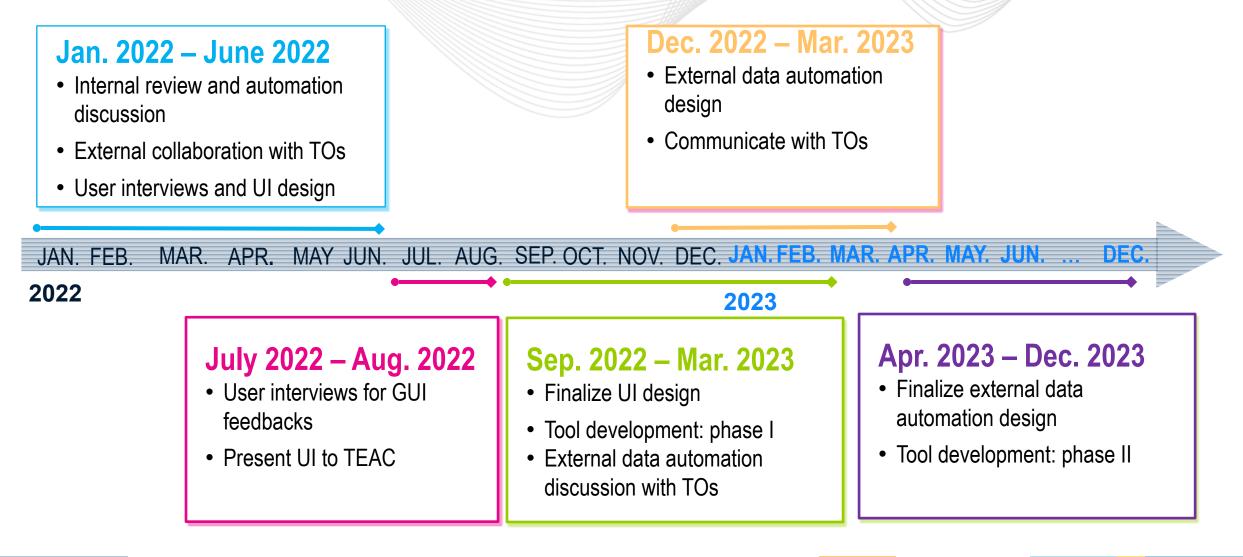


TCIC Automation Progress

- Started internal cross divisional coordination
 - Transmission Planning & Market Settlement & IT
 - Reviewed current process
 - Designing process automation
- Initiated external collaboration with TOs:
 - Discussion automation enhancements from March 2022
- Conducted TCIC user interviews
 - Completed interview for power users
 - Designing TCIC external User Interface (UI)



Next Steps & Timeline







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TCIC Automation

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Revision History

• V1 – 7/8/2022 – Original slides posted

