

# Show Cause for Large Loads Framework

Co-Located Load Order Workshop  
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*Disclaimer: While materials are current at the time of publishing, applicable requirements may change. PJM Governing Documents control.*

1. Study Transmission Service requirements for Large Loads.
2. Ensure that those customers are allocated costs for new transmission needed to provide Firm Transmission Service to new Large Loads.
3. Establish a new (or show an existing) Transmission Service that can accommodate flexible Large Loads.
4. Establish rules for “electrically proximate” and co-located Large Loads.

|                                                                                                                    |                                                                                                                                                             |                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Create a robust process</b> for the provision of Firm and Non-Firm Transmission Service for Large Loads.</p> | <p><b>Integrate Transmission Service for Large Loads process</b> into the New Service Request process including application and readiness requirements.</p> | <p><b>Generation interconnection, merchant transmission interconnection, long-term firm requests and new Large Loads are studied cohesively to determine the most efficient solution for the cluster.</b></p> |
| <p>Simultaneously <b>reduce the full New Service Request process</b> to approximately 12 months.</p>               | <p><b>Utilize interim deliverability</b> for flexible and interim NITS loads.</p>                                                                           | <p><b>Establish technical requirements</b> to provide transmission service to Large Loads.</p>                                                                                                                |

## **Changes contemplated are not altering the Transmission Owner's interconnection process for Large Loads.**

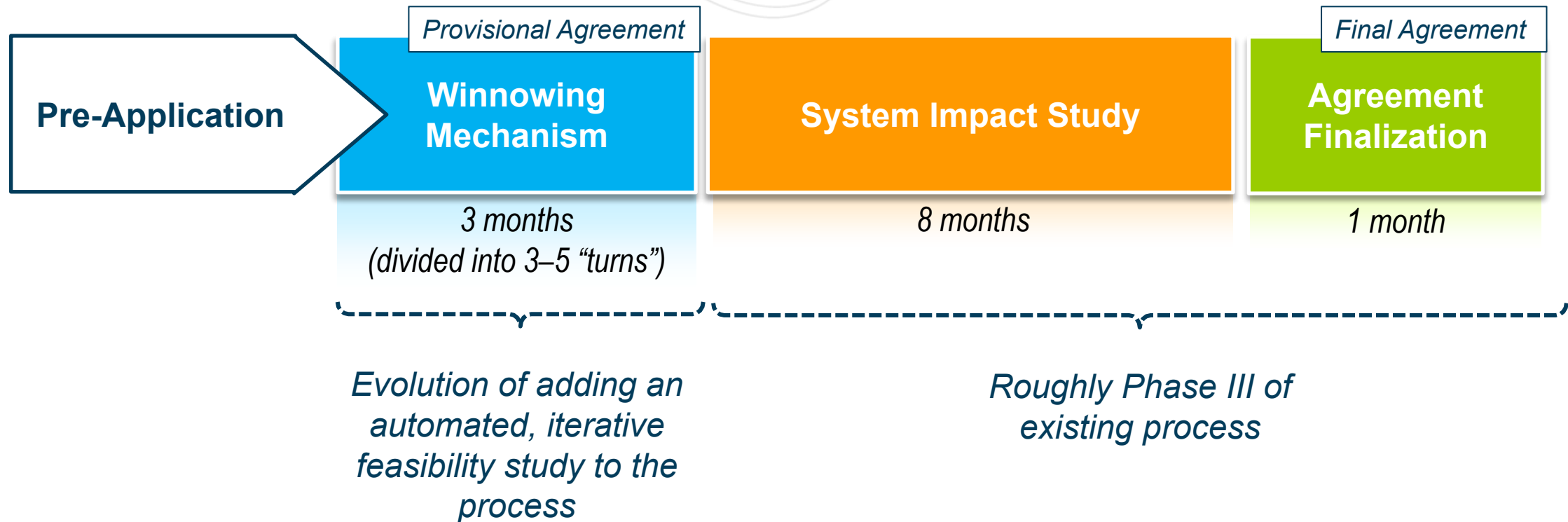
PJM's changes are strictly related to Transmission Service necessary to serve Large Loads reliably.

Resource adequacy considerations as this is covered in other forums related to the RBP and IRAS

### **Other items not impacted:**

- Load Serving Entity jurisdiction
- Eligible Customer definition
- Transmission Owner cost recovery

# New Service Request Conceptual Framework

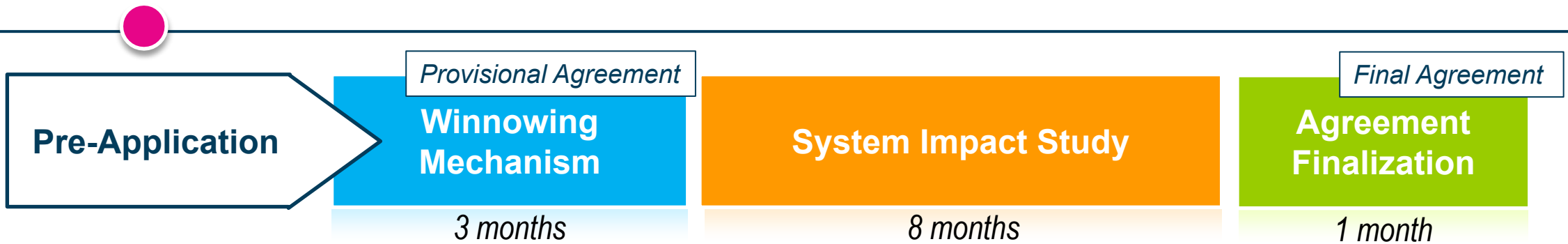


Conceptual Framework Subject to Change

Automated  
Site Control review

Automated generator, attachment line, transformer and  
collector system technical data review

Developers cure automatically identified deficiencies before Cycle formally starts,  
with ability to escalate to PJM if disagreement on automated determination.

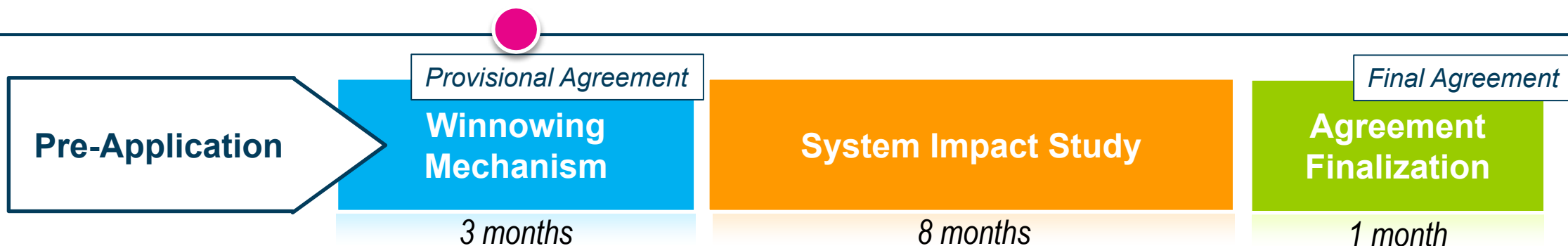


Mechanism to allow developers to iteratively discover system impacts while driving out projects that are not feasible

Broken into 3–5 “turns” that are 2–3 weeks long. Each turn includes:

- PJM runs streamlined version of reliability tests providing feasibility study-level estimate of violations.
- Automation to estimate cost and time to build of needed system upgrades
- **Decision Point:** Project developer provides at-risk security against increasingly large percentage of upgrade cost to move to next turn.

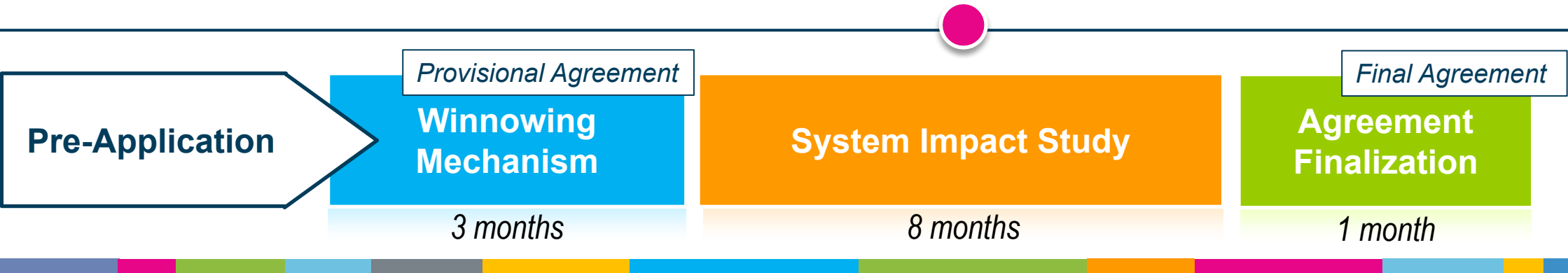
Culminates in posting at-risk security against 100% of estimated upgrade costs and issuing of Provisional Interconnection Agreement



PJM and TOs run full reliability test suite, including tests that cannot be streamlined (such as stability, short-circuit and TO-specific criteria).

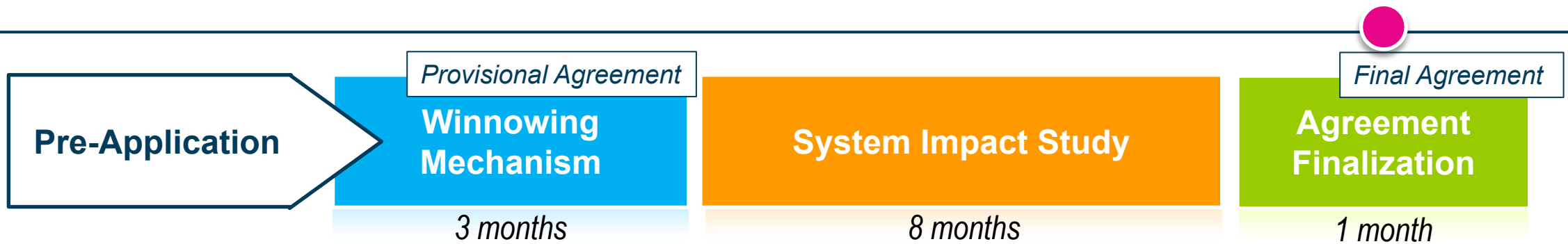
TOs develop reinforcements for identified reliability issues and provide estimated cost and time to build.

PJM tests TO reinforcements and works with TOs to perform any required right-sizing of upgrades.



PJM issues Final Agreement with final system upgrades,  
updated estimated costs and time to build.

Detailed terms negotiated during preceding eight months.



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## Show Cause for Large Loads Framework



### Member Hotline

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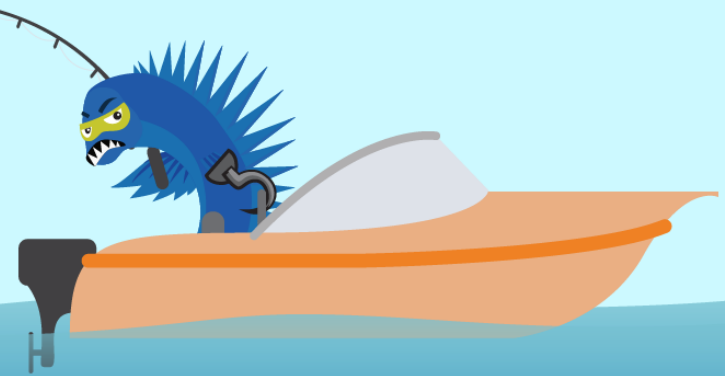
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