

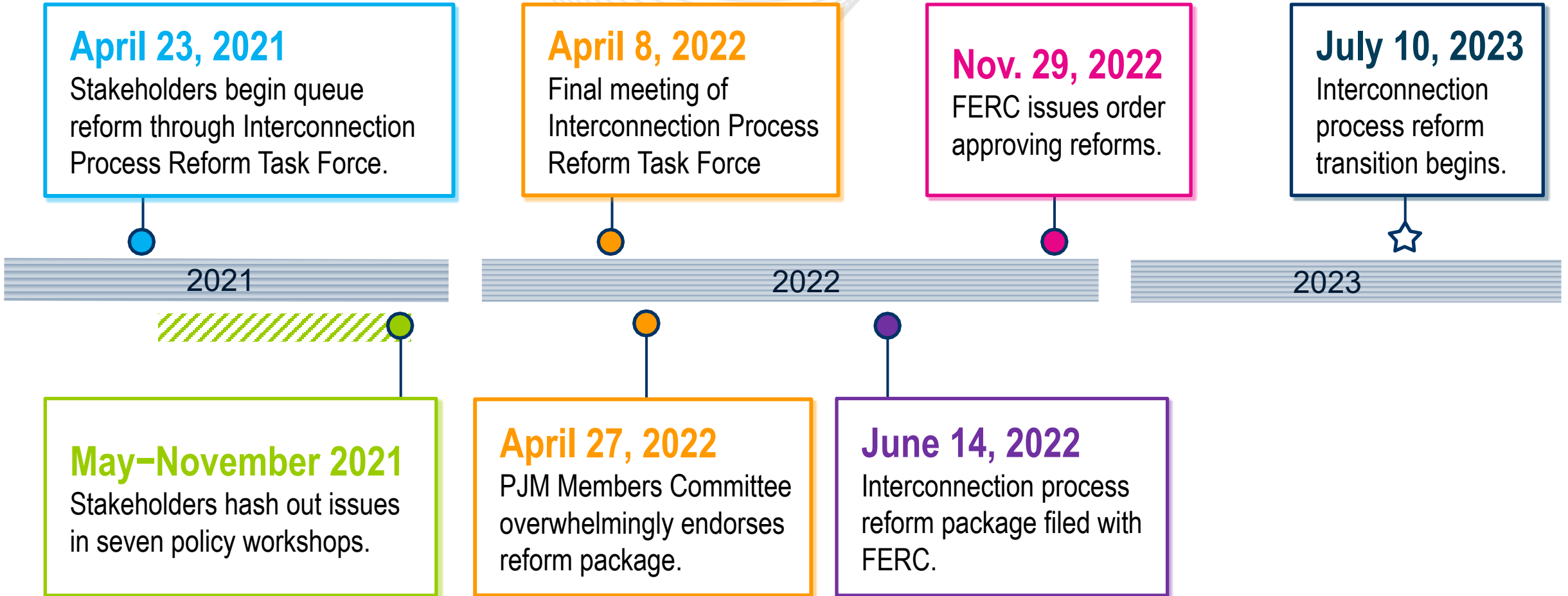


Commercial Deployment of New Generation

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Sr. Manager
Interconnection Projects

Markets and Reliability Committee
September 25, 2024

Interconnection Process Reform Timeline



Interconnection Study Process (2 Years)

- Analytical studies
- Scope and cost estimates

Implementation Phase (3+ Years)

- Developer finalizes permitting, land acquisition and financing.
- Developer initiates and completes construction of their facility.
- Transmission Owner constructs their facilities (if applicable).

Signed Final Agreement (GIA/WMPA) (2 Months) Negotiation with PJM and developer

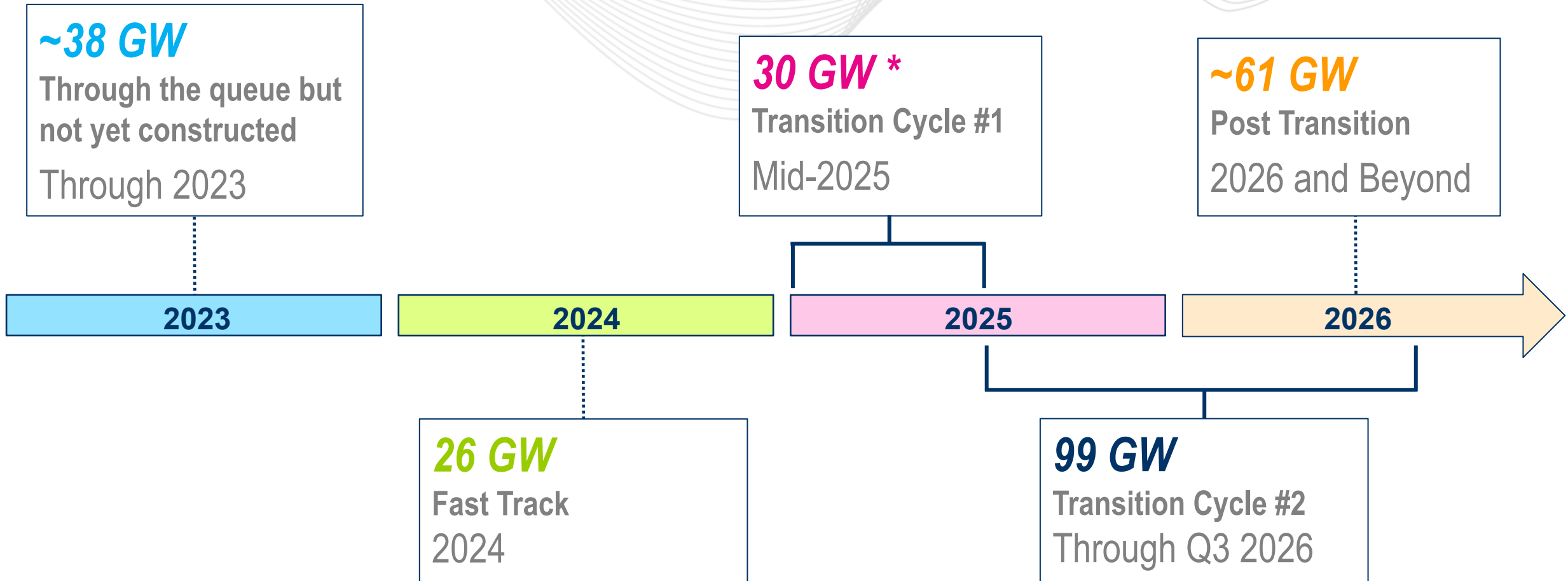
- Developer commits to study results and milestones.
- Posts security

Commercial Operation

- Facility begins to put power on the transmission system.



Initial Queue Breakdown and Timeline



* TC1 was 46 GW prior to Decision Point 1.

All projects with an ISA, WMPA or GIA are considered planned units.

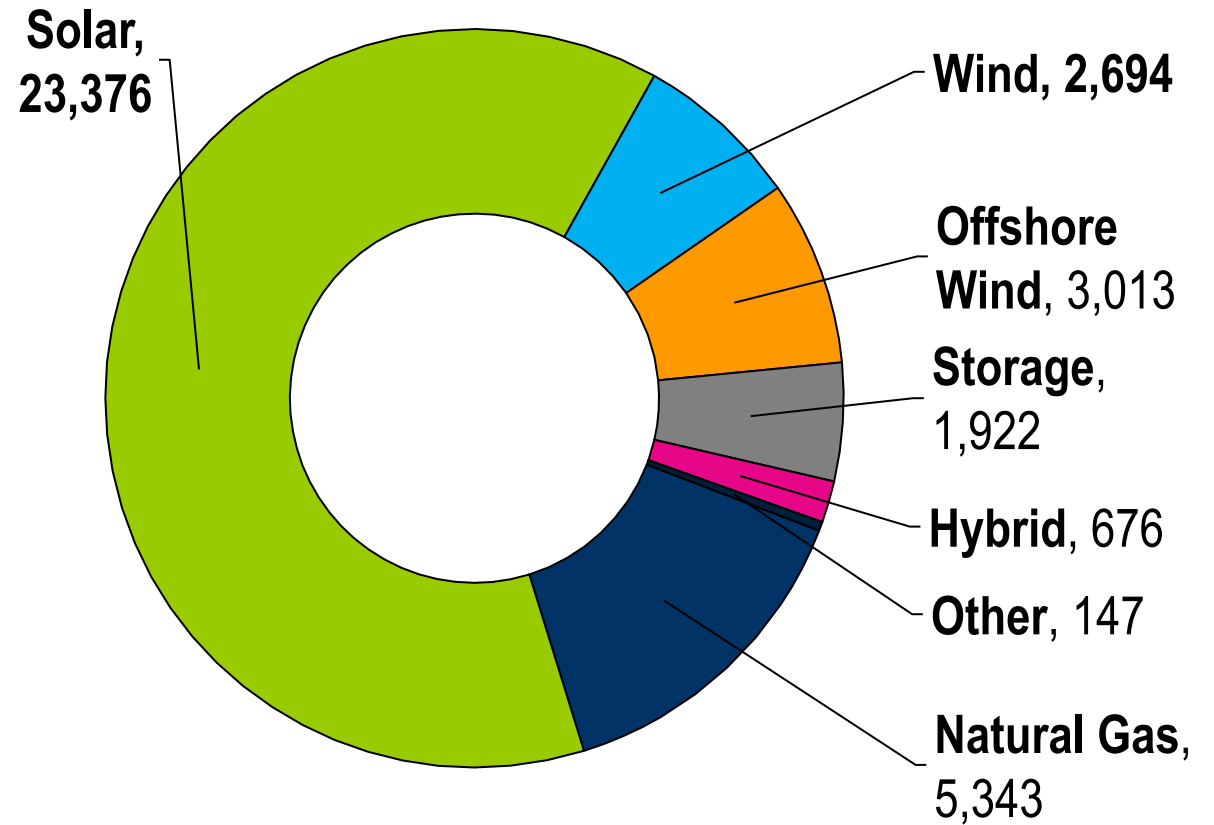
Planned units are treated the same as an operating unit in all interconnection analysis.

A large volume of planned units drives larger study results, which complicates and delays the process.

Projects With Executed Final Agreements

Fuel Type	Number of Projects	Generating Capability (MW)
Natural Gas	13	5,343
Solar	347	23,376
Wind	18	2,694
Offshore Wind	7	3,013
Storage	32	1,922
Hybrid	24	676
Other	7	147
Total	448	37,171

Generating Capability (MW)



Data as of Sept. 13, 2024



Projects With Executed Final Agreements

Project Status	Number of Projects	Generating Capability (MW)
Engineering and Procurement	199	16,541
Suspended	138	12,077
Under Construction	111	8,554
Total	448	37,171
Partially in Service		2,371
Remaining To Be Built		34,800

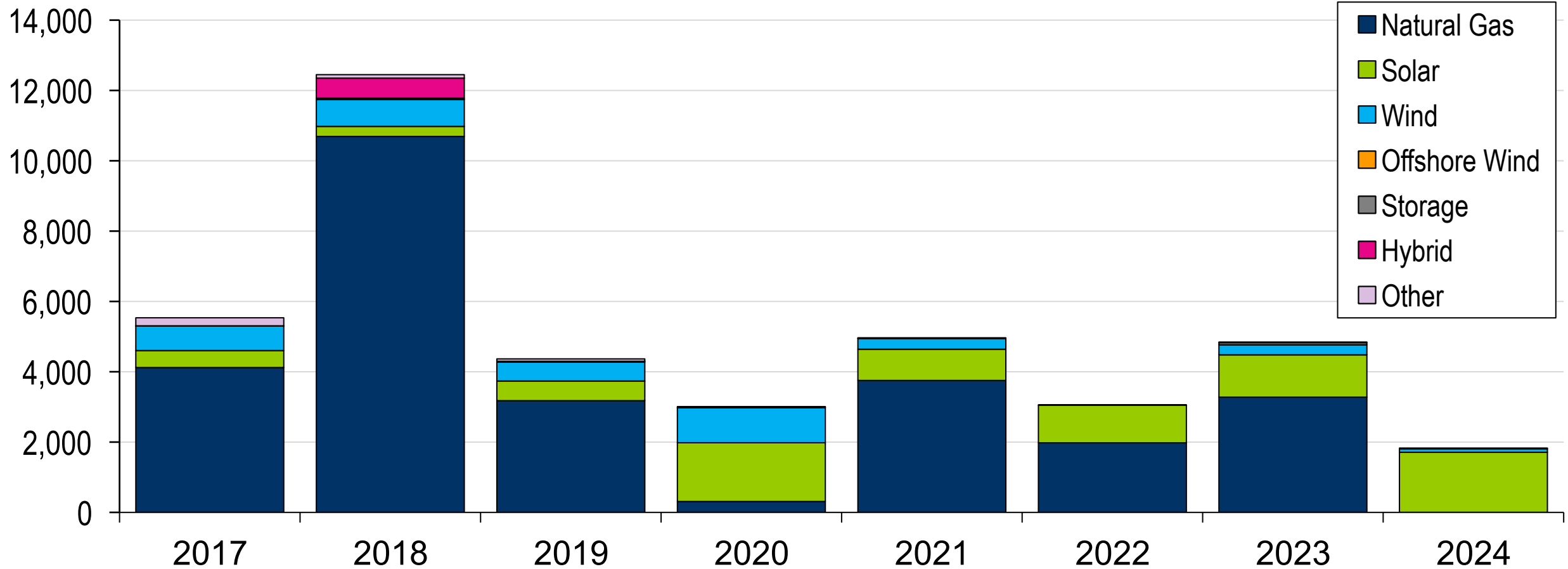
Engineering and Procurement – Project has executed a final interconnection agreement and has not begun any construction.

Suspended – Project has suspended all construction for one to three years depending on the impact to other projects.

Under Construction – Project has started construction on one or more facilities. Also includes “In-Service Partial,” which are projects with a portion online and available to the market.

Data as of Sept. 13, 2024

Generating Capability (MW)



As of Sept. 13, 2024

173

change requests received for executed agreements over the past 12 months.

150

of those requests involved milestone extensions.

Projects can request extensions of agreement milestones if they exercised due diligence in trying to move their project forward but are encountering difficulties due to issues outside of their control.

PJM does not grant extensions for financing issues.

PJM approves roughly 75% of change requests to executed agreements.

Suspended projects have their milestones extended automatically coincident with their suspension time.

- While PJM continues to execute against the transition plan, concerns are growing that the construction build-out from the volume of applications has not yet materialized.
- PJM continues to work with Project Developers to understand the issues they are encountering.

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Commercial Deployment of New Generation



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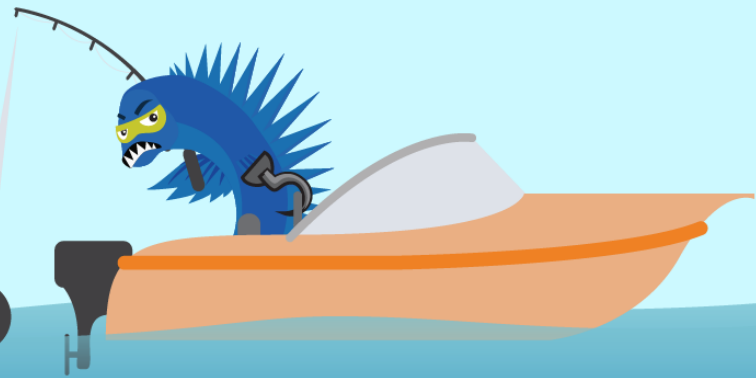
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**PROTECT THE
POWER GRID**

**THINK BEFORE
YOU CLICK!**



**BE ALERT TO
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**Report suspicious email activity to PJM.
Call (610) 666-2244 or email it_ops_ctr_shift@pjm.com**