


Interconnection Study Statistics

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Planning Committee
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Action Required	Deadline	Who May Be Affected
Educational – Information only 	N/A 	New Service Customers Transmission Owners 

- Requirement for Transmission Providers to post metrics on interconnection studies
- Metrics will be updated every 6 months
- FERC established a performance standard of 25% or below
- Two consecutive scores above 25% require a detailed filing to FERC to explain delays and describe mitigating efforts

	Reference Only				Posted Stats
	2018		2019		2020
	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun
Studies issued (A)	138	128	219	303	321
Studies issued late (B)	102	79	128	43	3
Backlogged studies (C)	3	27	12	4	1
Average completion time, days	148	126	156	103	88
Performance rate (B+C)/(A+C)	74.5%	68.4%	60.6%	15.3%	1.2%

Ref. PJM OATT 41.1

	Reference Only				Posted Stats
	2018		2019		2020
	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun
Studies issued (A)	139	81	88	235	305
Studies issued late (B)	102	70	52	80	35
Backlogged studies (C)	93	98	127	85	53
Average completion time, days	279	347	295	265	187
Performance rate (B+C)/(A+C)	84.1%	93.9%	83.3%	51.6%	24.6%

Ref. PJM OATT 41.2


	Reference Only				Posted Stats
	2018		2019		2020
	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun
Studies issued (A)	32	30	30	21	25
Studies issued late (B)	27	27	30	21	24
Backlogged studies (C)	89	119	113	136	145
Average completion time, days	472	524	660	705	747
Performance rate (B+C)/(A+C)	95.9%	98.0%	100.0%	100.0%	99.4%

Ref. PJM OATT 41.3

	Reference Only				Posted Stats
	2018		2019		2020
	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun
Total projects withdrawn	150	148	166	164	136
Withdrawn before Feasibility	65	35	62	27	23
Withdrawn before System Impact	17	29	48	65	50
Withdrawn before Facilities	24	34	32	22	45
Withdrawn after ISA/WMPA	36	38	18	40	15
Average duration in queue, days	631	787	606	826	533


Ref. PJM OATT 41.4


- Metrics are posted on PJM.com:
<https://www.pjm.com/planning/services-requests.aspx>


Services & Requests 

- New Services Queue
- New Service Requests
- Planning Modeling Submission (MOD-032)
- Generation Deactivations

Project Status & Cost Allocation - Beta

RTEP Upgrades & Status 


Competitive Planning 

Home ▶ Planning ▶ Services & Requests 


Services & Requests

[New Services Queue](#) - filterable view of generation interconnection queues, merchant transmission queues, long-term firm transmission service requests, auction revenue rights analyses and queues under construction / in service

[New Service Requests](#)

[Interconnection Study Statistics](#) 

[Generation Deactivations](#)

[Incremental Auction Revenue Rights Model Development and Analysis](#) 

- Study volume increasing
- Feasibility and System Impact Study on time rates increasing
- Backlog volume decreasing
- Facilities Study phase the primary source of backlog
 - More queues lead to more upgrades requiring Facilities Study effort

	2018	2019	2020
Studies due	583	861	1,434
Feasibility On Time Rate	30%	70%	100%
System Impact On Time Rate	22%	57%	98%
Peak backlog	353 studies 28% of projects March 2019		
Current backlog	207 studies 17% of projects		

- PJM adding contract support to perform studies and project facilitation.
- Working to more accurately estimate required time to complete a Facilities Study.
- Work internally to develop a strategy to address Facilities Study timeline.

Presenter:
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Interconnection Study Statistics



Member Hotline

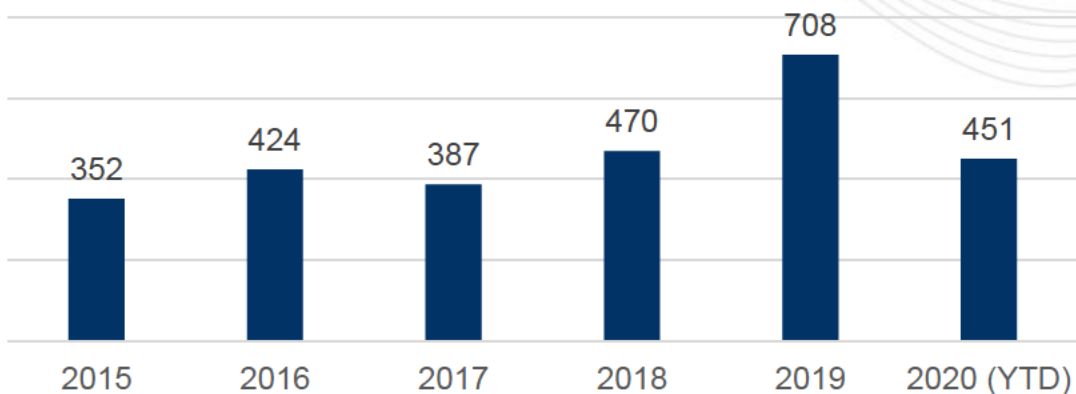
(610) 666 – 8980

(866) 400 – 8980

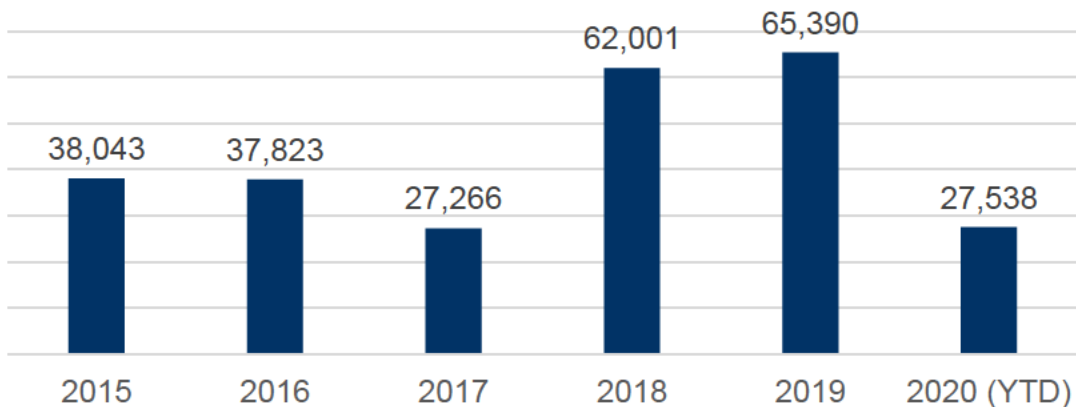
custsvc@pjm.com

Appendix

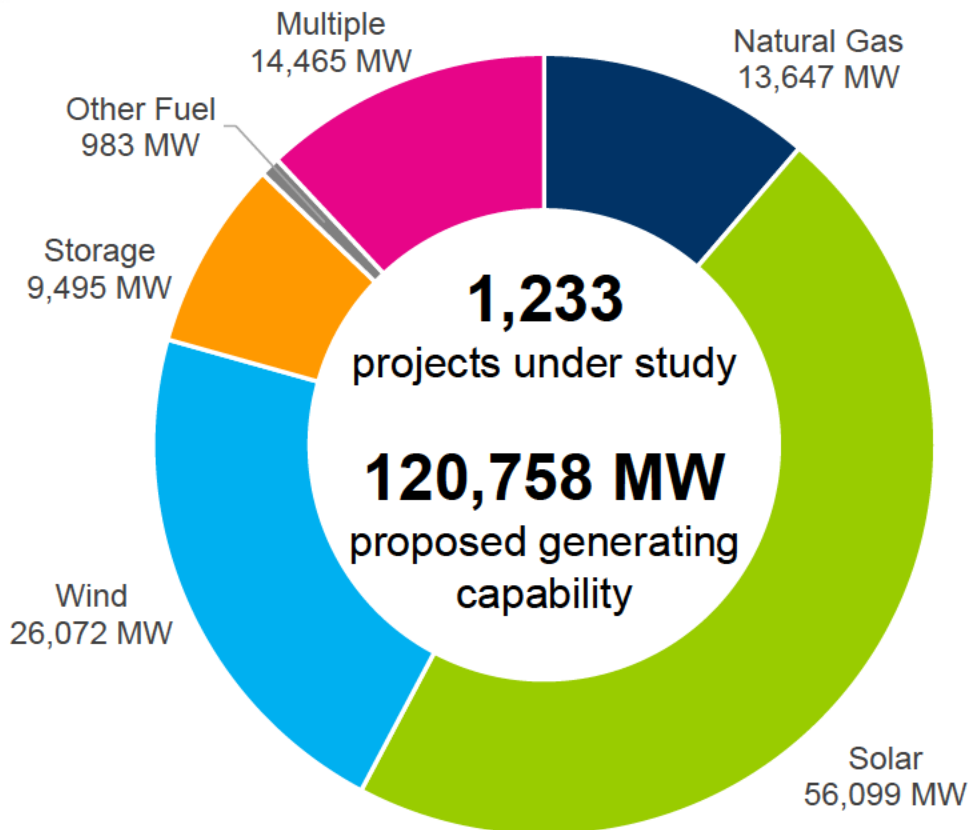
New Requests Submitted to PJM



Requested Generating Capability, MW



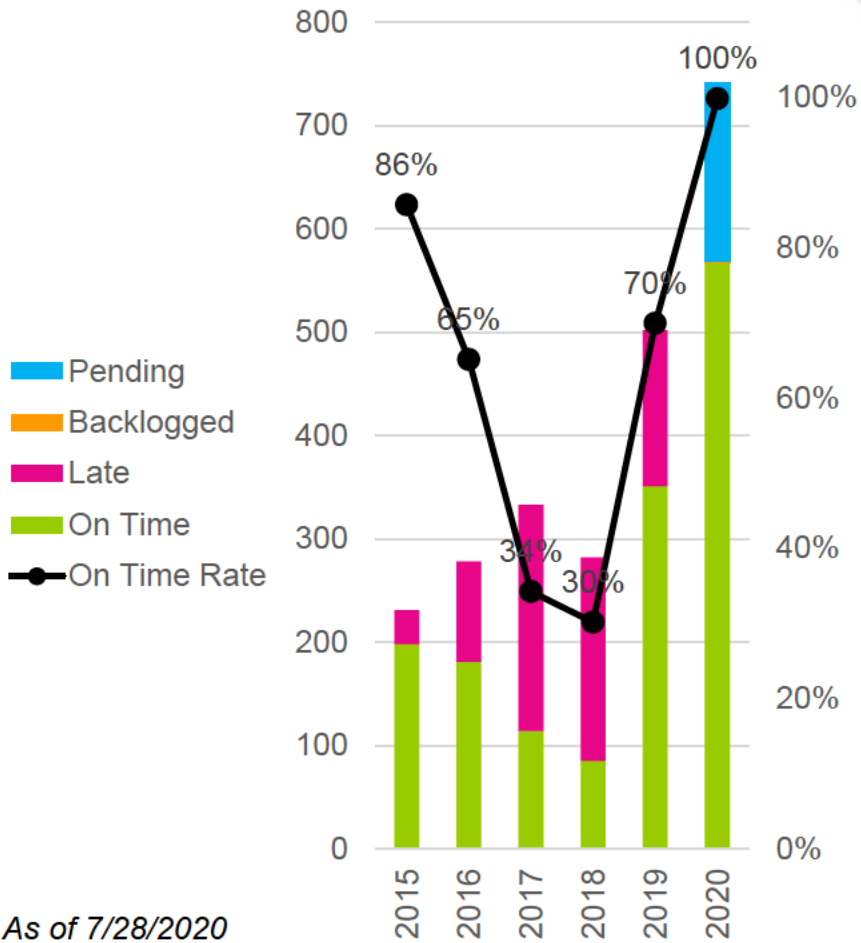
Interconnection Queue Profile



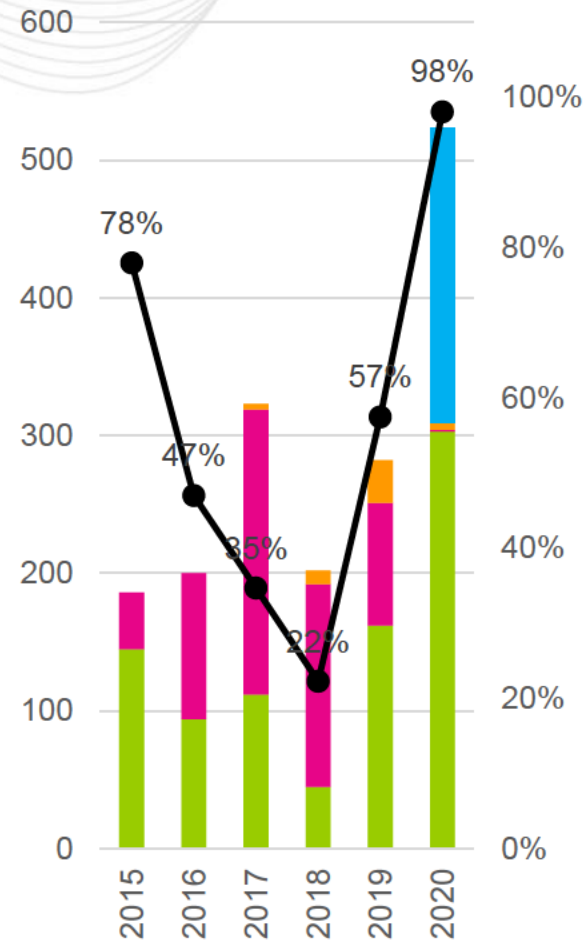
Note: an additional 308 projects totaling 27,942 MW of generation under construction

As of 7/28/2020

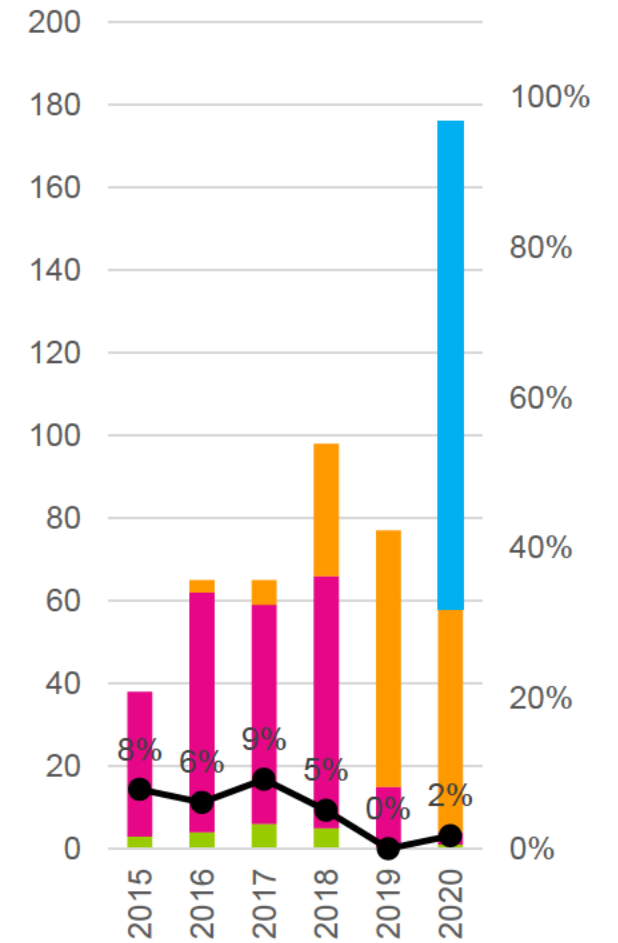
Feasibility Studies



Impact Studies



Facilities Studies



As of 7/28/2020