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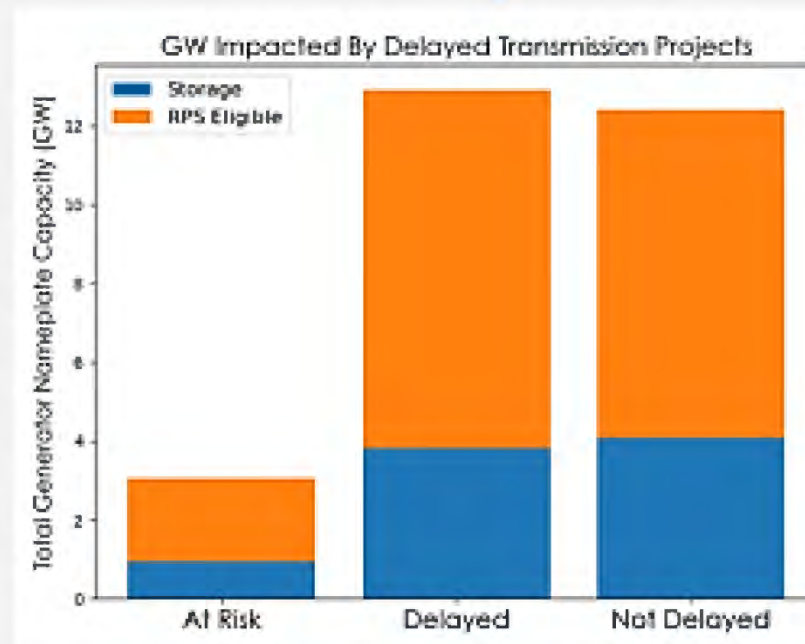
CEC IEPR Workshop: ACP-CA Presentation

Resources Impacted by Delayed Transmission Projects

- Approximately 28.4 GW of new renewable generation and storage resources with signed interconnection agreements as of April 2025

**SDG&E reported no delays*

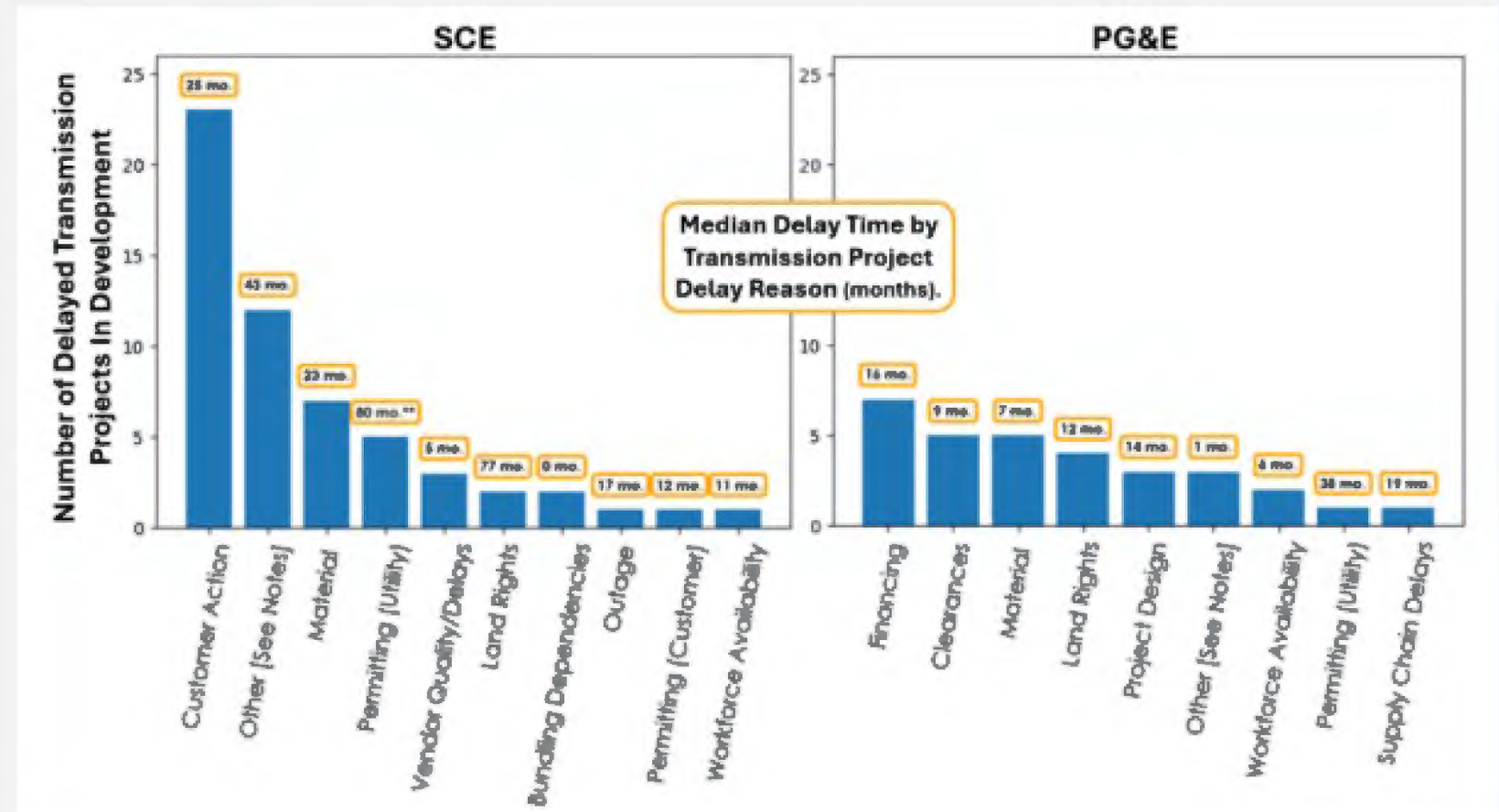
- Approximately 12.9 GW of those resources are expected to be delayed due to transmission delays
- Majority of SCE's reported delays due to "Customer Action" or "Other"
- Majority of PG&E's reported delays due to "Land Rights" and "Material"
- Total delay times associated with "permitting" are not equivalent to CPUC permitting timelines



PTO	Total Generation & Storage Resources (GW)	Resources Not Delayed (GW)	Resources Not Delayed (%)	Resources Delayed (GW)	Resources Delayed (%)	Resources "At Risk" (GW)	"At Risk" (%)
SCE	16.1 GW	5.3 GW	33 %	8.1 GW	50 %	2.7 GW	17 %
PG&E	12.3 GW	7.1 GW	58 %	4.8 GW	39 %	0.4 GW	3 %
Total	28.4 GW	12.4 GW	44 %	12.9 GW	45 %	3.1 GW	11 %

Median Delay Times Compared to Various Delay Reasons

- Appx. 8 GW of SCE resources projected to be delayed due to reliability upgrades and Centralized Remedial Action Schemes
- Appx. 2 GW of PG&E resources facing projected delays due to material delivery issues and land rights to re-route lines



IOU Delays to Network Upgrades

- PG&E has 6 TPPs (1 from 2010-2011 TPP, 4 from 2013-2014 TPP, 1 from 2017-2018 TPP), all delayed as new reliability projects found to be needed
- TDF reports released in January, April and July 2025
 - PG&E projects experiencing further delays between TDF reports
 - 7 TPPs delayed by 3+ months, 20 by 6+ months
 - 5 generation-dependent reliability upgrades delayed by 3-5 months, 6 by 6+ months
 - 1 generation-dependent deliverability network upgrades delayed by 3 months, 3 by 6+ months
 - SDG&E projects experiencing further delays between TDF reports; 3 TPPs delayed
 - SCE projects experiencing further delays between TDF reports
 - 12 TPPs delayed as of July 2025; 6 TPPs delayed as of January 2025 summary report
 - 3 queue network upgrades further delayed as of July 2025 report; 5 queue network upgrades delayed as of January 2025 report (see Lugo-Victorville RAS Moorpark CRAS, delayed in January and further delayed in July 2025 report)

ACP-CA Recommendations

- Increase transparency and improve accountability for project delays
 - Require an independent transmission construction monitor (“ITCM”) to increase transparency and enhance staff understanding of transmission construction for the largest projects (e.g., enabling deliverability for >1000MW).
 - ITCM must have the ability to request data directly from transmission owners, and should report directly to the CPUC and CAISO
 - PTOs should determine what type of permitting review TPP-approved projects will have within six months of when a project is approved by the CAISO.
- Address resource limitations and supply chain issues
 - CPUC should open a proceeding on specifications for major transmission equipment where supply chain bottlenecks have arisen and evaluate whether common standards / advanced procurement can mitigate delays.
 - Provide more opportunities for large IOUs to enter into partnerships to collaborate with other electrical corporations and third-party developers