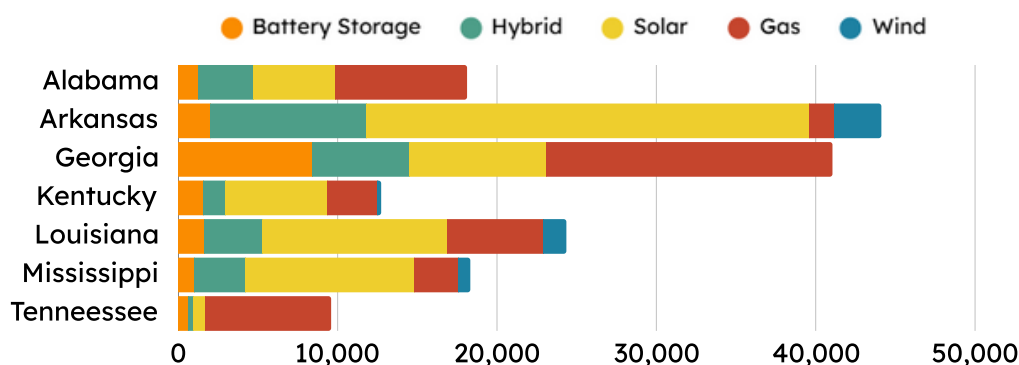
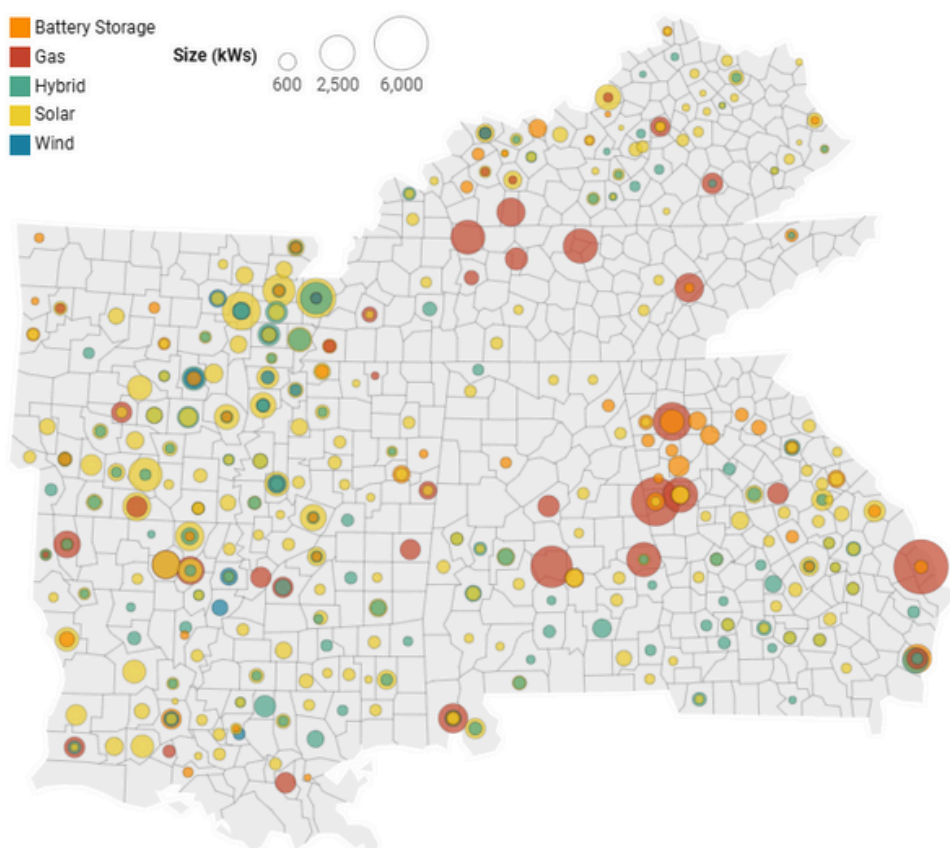


Southeastern Generator Interconnection Queues - Fall 2025

Before any new power plant can connect to the grid, it must first enter an interconnection queue. These queues serve as waiting lists where regional transmission operators and utilities evaluate whether the grid can safely and reliably integrate new resources. This report examines active requests in SREA's footprint states (AL, AR, GA, KY, LA, MS, TN), with data drawn from the MISO, SPP, TVA, Southern Company, PJM, and LGEKU queues. While not every queued project will be built, these requests provide the clearest snapshot of developer interest and competition in our region.

SREA Generator Interconnection Queue



Key Takeaways

- **Solar** remains the largest resource in the queues, with **71 GW** proposed.
- **Gas** makes up **47.5 GW**, showing where renewable resources face direct competition.
- **Hybrid** projects (mostly solar + storage) now total **27.9 GW**, especially in Arkansas, Georgia, and Louisiana.
- **Battery** storage alone represents **16.5 GW**, led by Georgia and Arkansas
- **Wind** projects make up **5.3 GW**, with Arkansas leading at nearly 3 GW.
- Across Alabama, Arkansas, Georgia, Kentucky, Louisiana, Mississippi, and Tennessee, the combined queue totals **168 GW** of capacity.

Interconnection Queue Data:

MISO - https://www.misoenergy.org/planning/resource-utilization/GI_Queue/gi-interactive-queue/

TVA - <https://www.oasis.oati.com/tva/>

SPP - <https://opsportal.spp.org/Studies/GIActive>

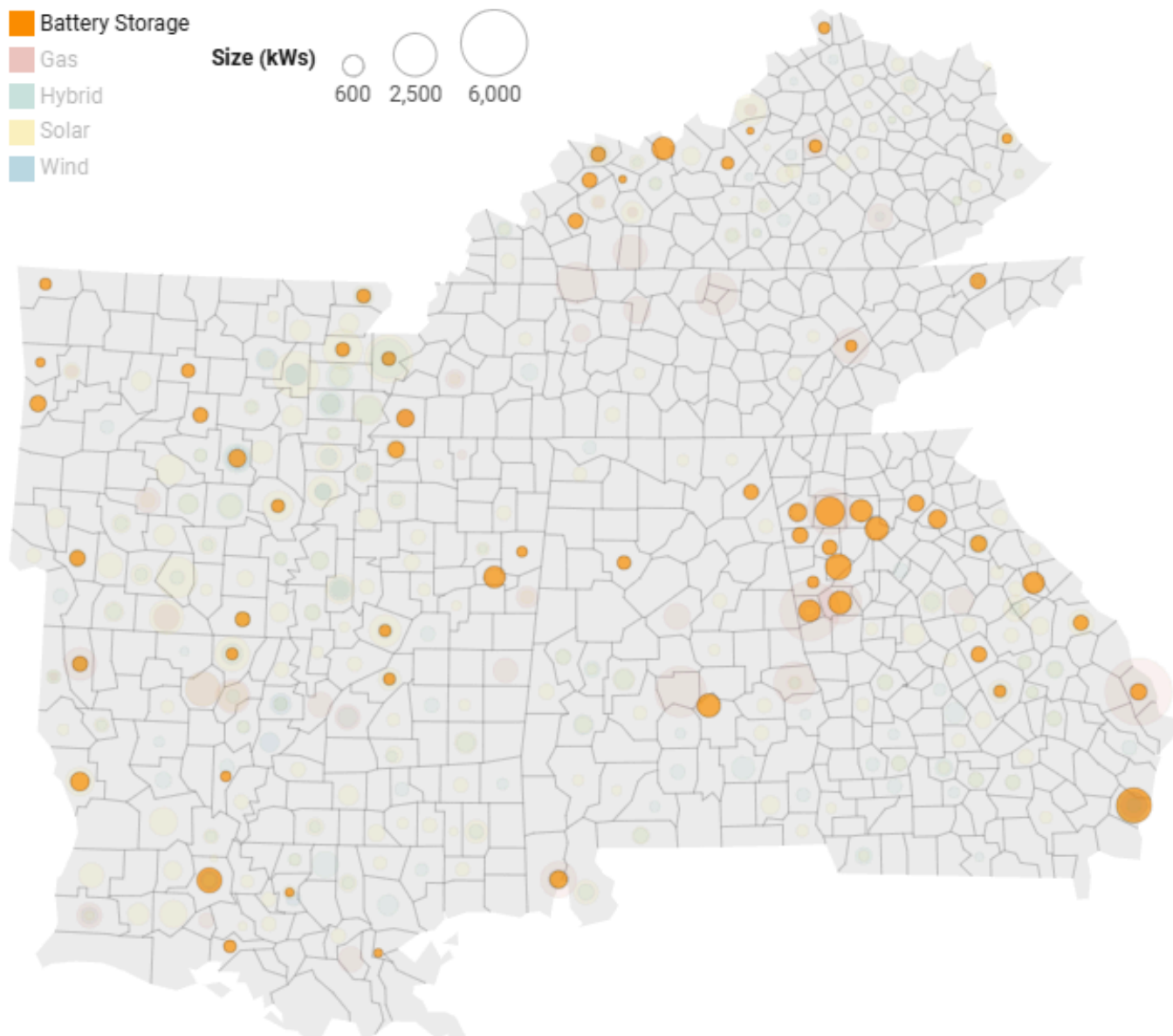
Southern Company - <https://www.southerncompany.info/power-bi/transmission-policy-services/index.html>

LGE&KU - <http://www.oasis.oati.com/LGEE/index.html>

PJM - <https://www.pjm.com/planning/service-requests/serial-service-request-status>

Battery Generator Interconnection Queues - Fall 2025

Standalone storage totals **16.5 GW**, with **Georgia leading at 8.4 GW**. Projects in MISO South are merchant-driven, while Southern Company and TVA projects largely reflect utility planning. Arkansas (2 GW), Louisiana (1.6 GW), and Alabama (1.25 GW) also show meaningful activity. Recent PSC cases in Georgia and Kentucky confirm storage is being advanced both competitively and via utility-owned proposals.



	Alabama	Arkansas	Georgia	Kentucky	Louisiana	Mississippi	Tennessee	TOTAL
Battery Storage	1,249	2,021	8,402	1,597	1,630	1,025	625	16,549

Interconnection Queue Data:

MISO - https://www.misoenergy.org/planning/resource-utilization/GI_Queue/gi-interactive-queue/

TVA - <https://www.oasis.oati.com/tva/>

SPP - <https://opsportal.spp.org/Studies/GIActive>

Southern Company - <https://www.southerncompany.info/power-bi/transmission-policy-services/index.html>

LGE&KU - <http://www.oasis.oati.com/LGEE/index.html>

PJM - <https://www.pjm.com/planning/service-requests/serial-service-request-status>

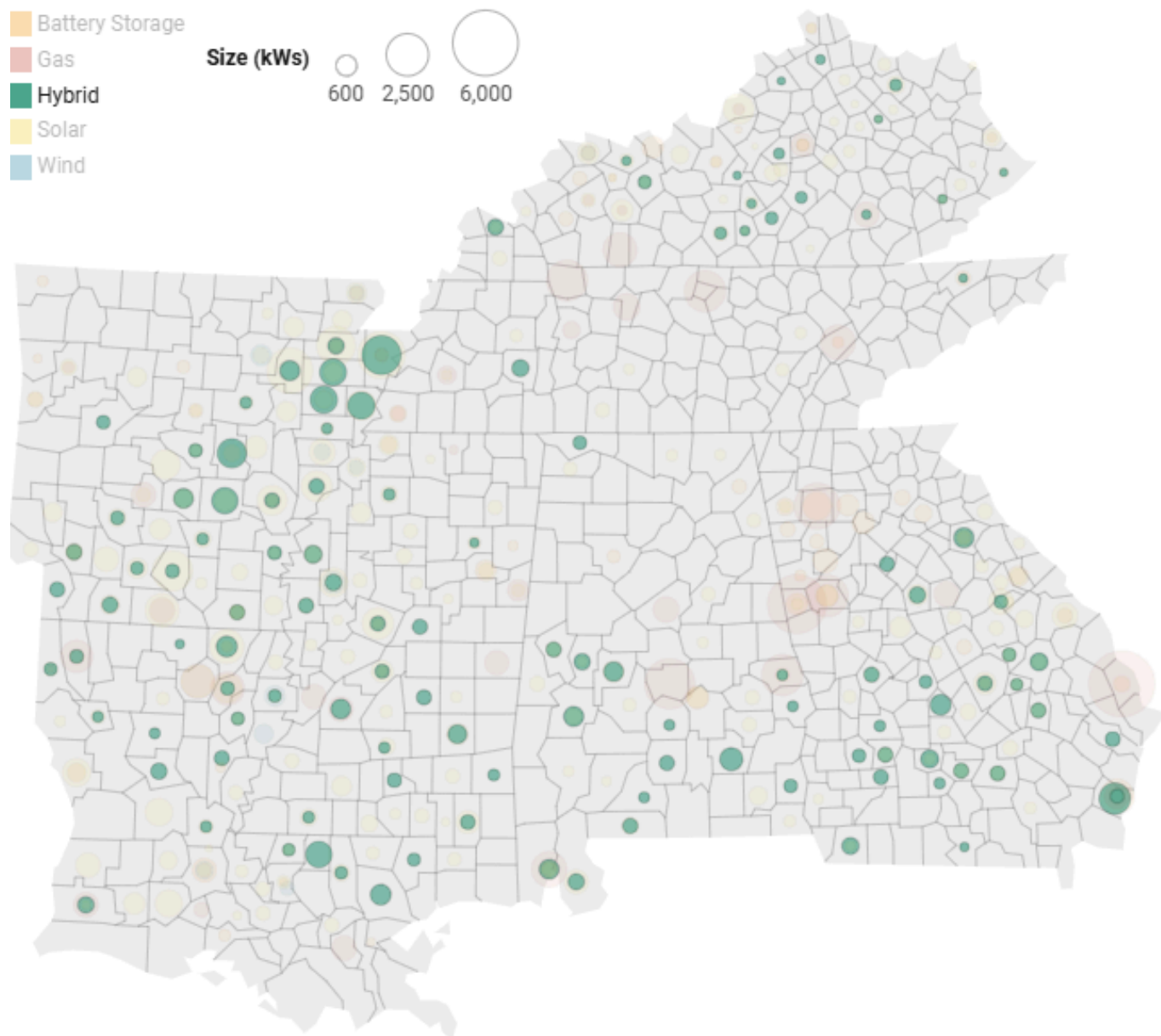
Hybrid Generator Interconnection Queues - Fall 2025

Hybrid projects, typically solar paired with battery storage, total **27.9 GW** across the region.

MISO South carries 15.5 GW, showing developer-driven demand for firm renewables.

Southern Company includes 9.7 GW of hybrid projects, almost entirely utility-proposed.

Arkansas alone has nearly 10 GW of hybrids, while Georgia and Louisiana contribute another 9.7 GW combined.



	Alabama	Arkansas	Georgia	Kentucky	Louisiana	Mississippi	Tennessee	TOTAL
Hybrid	3,499	9,811	6,106	1,345	3,638	3,188	315	27,901

Interconnection Queue Data:

MISO - https://www.misoenergy.org/planning/resource-utilization/GI_Queue/gi-interactive-queue/

TVA - <https://www.oasis.oati.com/tva/>

SPP - <https://opsportal.spp.org/Studies/GIActive>

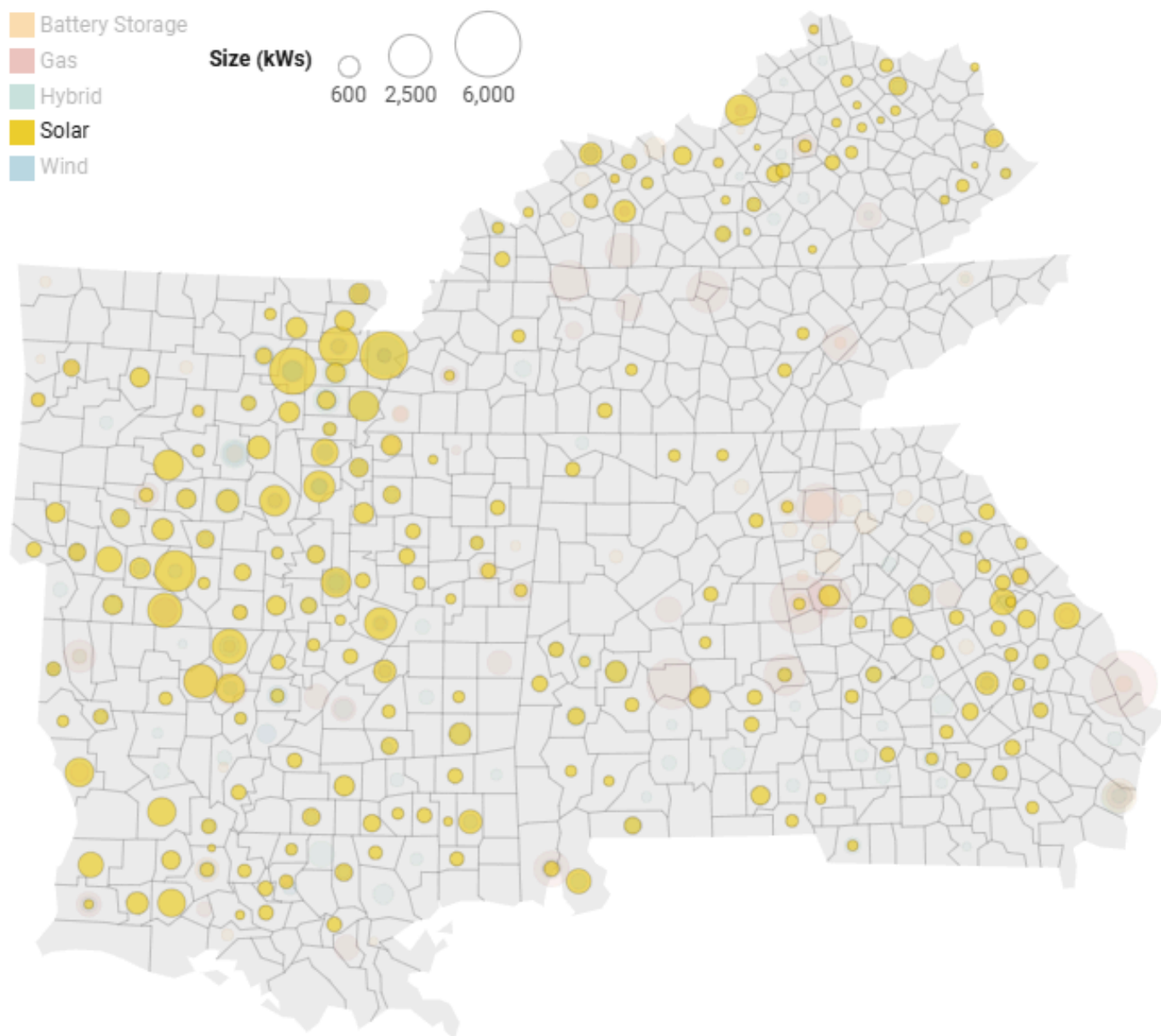
Southern Company - <https://www.southerncompany.info/power-bi/transmission-policy-services/index.html>

LGE&KU - <http://www.oasis.oati.com/LGEE/index.html>

PJM - <https://www.pjm.com/planning/service-requests/serial-service-request-status>

Solar Generator Interconnection Queues - Fall 2025

Solar is the largest resource in the queues, with **70.9 GW** across our states. **MISO South leads with 47.5 GW**, reflecting strong developer activity in Arkansas, Louisiana, and Mississippi. **Southern Company's queue includes 14.7 GW of solar**, while **Kentucky (LGEKU/PJM) adds 6.4 GW**. Mississippi alone has 10.6 GW of solar requests, underscoring interest even in states with weaker policy signals.



	Alabama	Arkansas	Georgia	Kentucky	Louisiana	Mississippi	Tennessee	TOTAL
Solar	5,129	27,751	8,626	6,444	11,631	10,633	762	70,975

Interconnection Queue Data:

MISO - https://www.misoenergy.org/planning/resource-utilization/GI_Queue/gi-interactive-queue/

TVA - <https://www.oasis.oati.com/tva/>

SPP - <https://opsportal.spp.org/Studies/GIActive>

Southern Company - <https://www.southerncompany.info/power-bi/transmission-policy-services/index.html>

LGE&KU - <http://www.oasis.oati.com/LGEE/index.html>

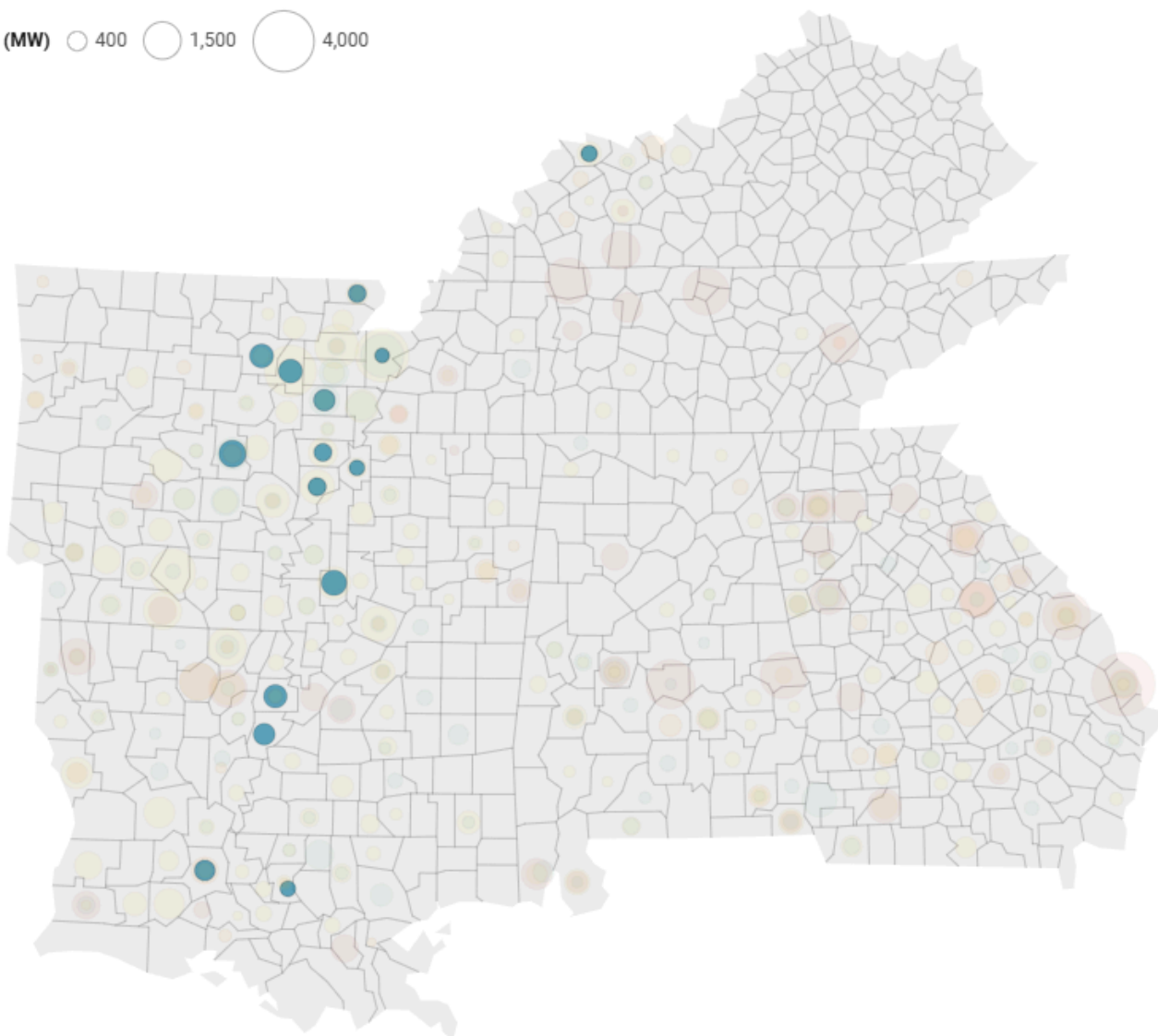
PJM - <https://www.pjm.com/planning/service-requests/serial-service-request-status>

Wind Generator Interconnection Queues - Fall 2025

Wind totals **5.3 GW** and is **exclusively in MISO**. Arkansas accounts for 3 GW, Louisiana 1.4 GW, and Mississippi 0.75 GW. No wind projects are currently queued in Southern, TVA, or LGEKU, reflecting both geographic limitations and regulatory barriers.

■ Battery Storage
 ■ Gas
 ■ Hybrid
 ■ Solar
 ■ Wind

Size (MW) ○ 400 ○ 1,500 ○ 4,000



	Alabama	Arkansas	Georgia	Kentucky	Louisiana	Mississippi	Tennessee	TOTAL
Wind		2,971		200	1,409	747		5,326

Interconnection Queue Data:

MISO - https://www.misoenergy.org/planning/resource-utilization/GI_Queue/gi-interactive-queue/

TVA - <https://www.oasis.oati.com/tva/>

SPP - <https://opsportal.spp.org/Studies/GIActive>

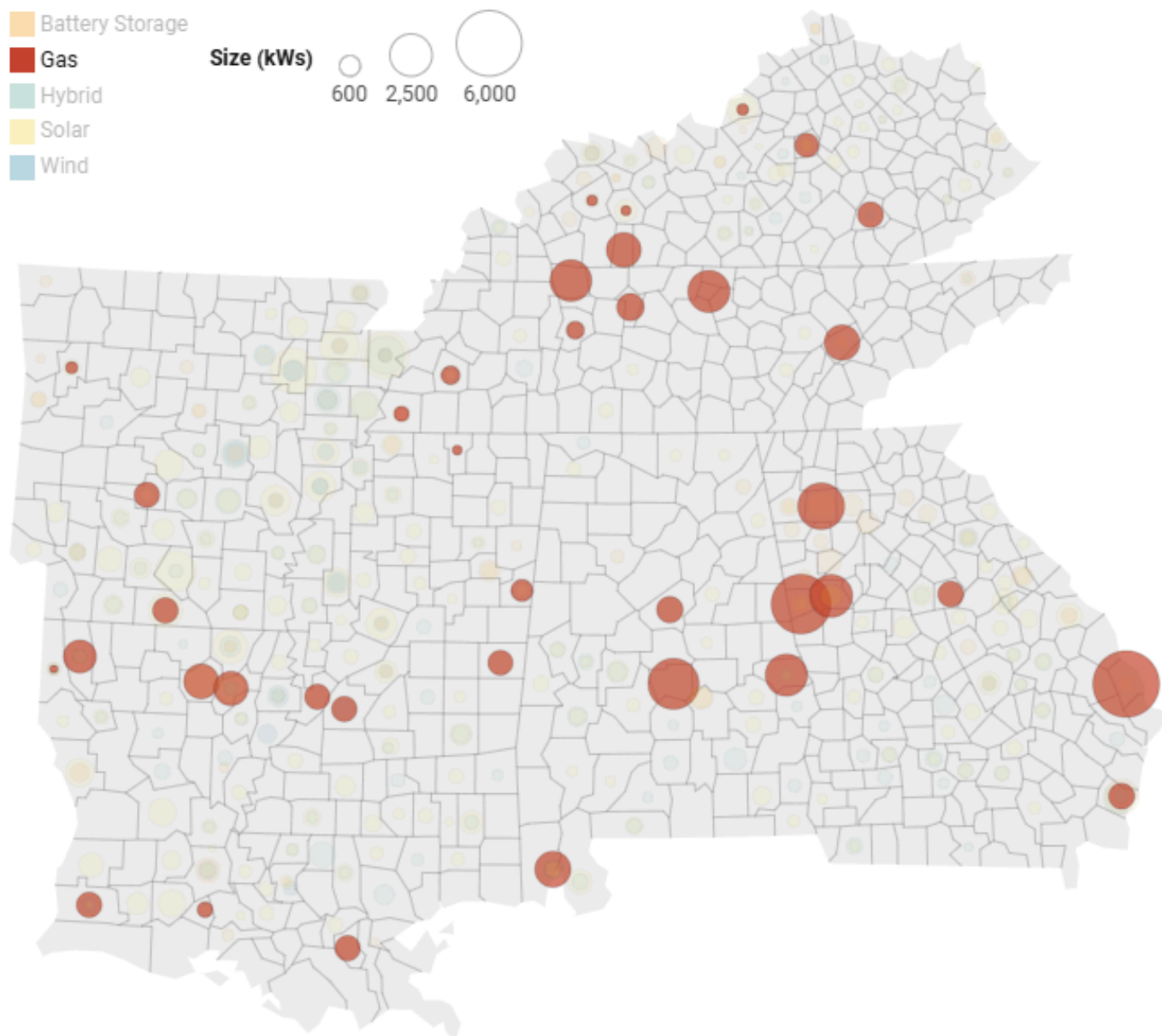
Southern Company - <https://www.southerncompany.info/power-bi/transmission-policy-services/index.html>

LGE&KU - <http://www.oasis.oati.com/LGEE/index.html>

PJM - <https://www.pjm.com/planning/service-requests/serial-service-request-status>

Gas Generator Interconnection Queues - Fall 2025

Gas remains a major competitor at **47.5 GW**, but its queue profile looks very different from renewables. **Southern Company leads with 26.8 GW**, concentrated in Georgia and Alabama. TVA has 10 GW, and MISO South only 7.6 GW. Gas still dominates in regulated territories, as recent CPCN filings in Alabama, Kentucky, and Georgia demonstrate.



	Alabama	Arkansas	Georgia	Kentucky	Louisiana	Mississippi	Tennessee	TOTAL
Gas	8,245	1,567	17,918	3,146	6,046	2,733	7,890	47,546

Interconnection Queue Data:

MISO - https://www.misoenergy.org/planning/resource-utilization/GI_Queue/gi-interactive-queue/

TVA - <https://www.oasis.oati.com/tva/>

SPP - <https://opsportal.spp.org/Studies/GIActive>

Southern Company - <https://www.southerncompany.info/power-bi/transmission-policy-services/index.html>

LGE&KU - <http://www.oasis.oati.com/LGEE/index.html>

PJM - <https://www.pjm.com/planning/service-requests/serial-service-request-status>