

# Robert B. Baker, P.C.

2480 Briarcliff Road, N.E. | Suite 6 | Atlanta, Georgia 30329  
706-207-5002 (mobile) | 404-929-9081 (office) | [bobby@robertbbaker.com](mailto:bobby@robertbbaker.com)

May 18, 2022

Ms. Sallie Tanner  
Executive Secretary  
Georgia Public Service Commission  
244 Washington Street, S.W.  
Atlanta, Georgia 30334

VIA the GPSC EFile System

RE: Dockets 44160 and 44161 – Demonstrative Exhibits of SACE/Southface  
Witness Ronald J. Binz

Dear Ms. Tanner:

Please find attached for filing through the Commission's EFile System the four exhibits Ronald J. Binz will use during the summation of his pre-filed testimony to the Commission. The "Capacity Expansion Plan – MGO (GPC Only)" chart is contained in Mr. Binz's pre-filed testimony as Figure 3 on page 23, but is included with the other three demonstrative exhibits.

Thank you very much for your assistance and please call if you have any questions.

Best regards,



Robert B. Baker  
Attorney for SACE and Southface

Attachments

## FINDINGS

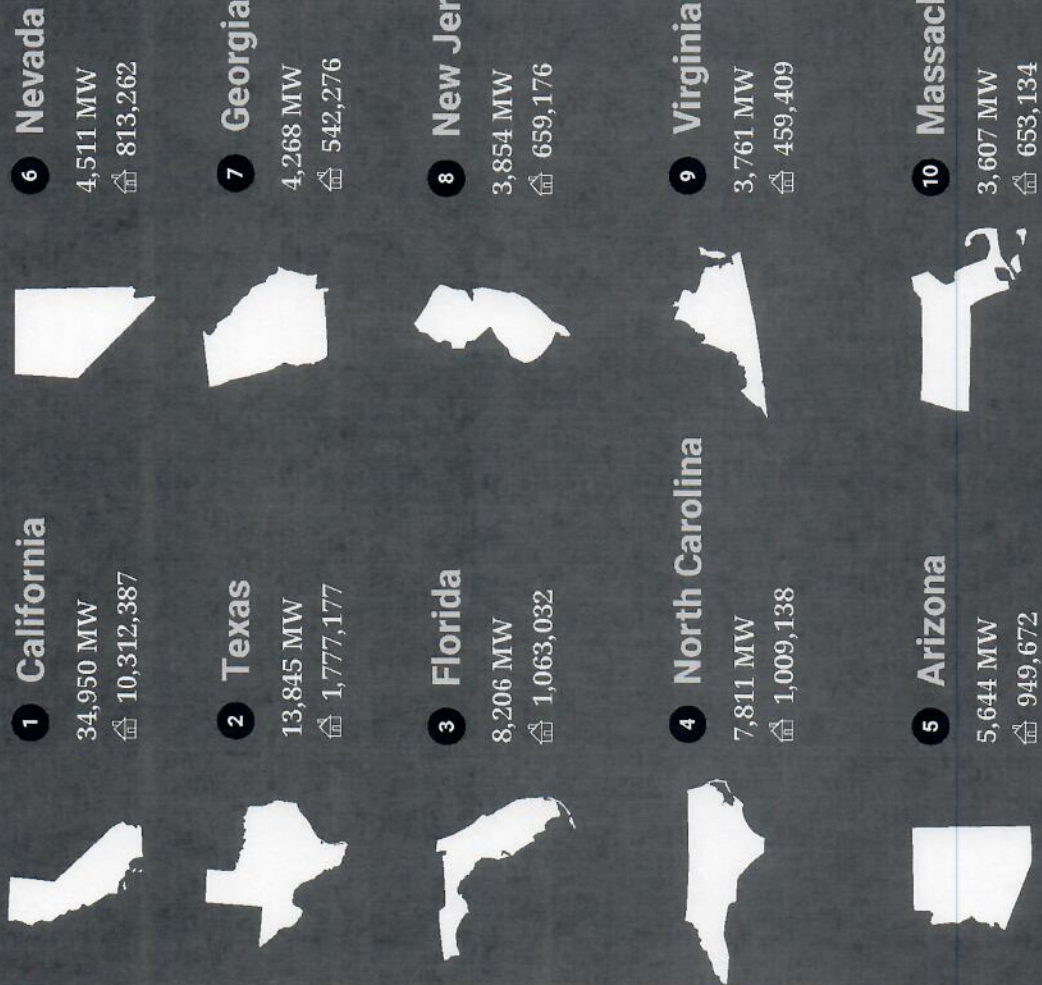
- There are **significant flaws** in Georgia Power's IRP and acquisition process.
- Georgia Power's IRP is **systematically biased** against renewable resources like solar plus storage.

## RECOMMENDATIONS

- The Commission should **not consider the 2028 PPA** for capacity at Dahlberg Units 1, 3, and 5 until the 2025 IRP.
- If the retirement of one or more coal units is denied, **some portion of the gas PPAs should be denied** or delayed.
- In its next IRP, the Commission should **require Georgia Power** to –
  - Conduct an “**All Source**” solicitation.
  - Require the Company to **re-characterize solar + storage** so it can compete fairly in the IRP.
  - Adopt a realistic **baseline portfolio** considering “Greenhouse Gas Pressure.”
  - Make Energy Efficiency and Demand Response **selectable resources** in portfolio modeling in the 2025 IRP.
- The Commission should require Georgia Power to **increase regional capacity sharing** and reflect that in its next IRP.

# Top 10 Solar States

State ranking based on the cumulative amount of solar electric capacity installed through 2021



© SEIA 2021

 Equivalent of the number of homes supplied by solar energy.

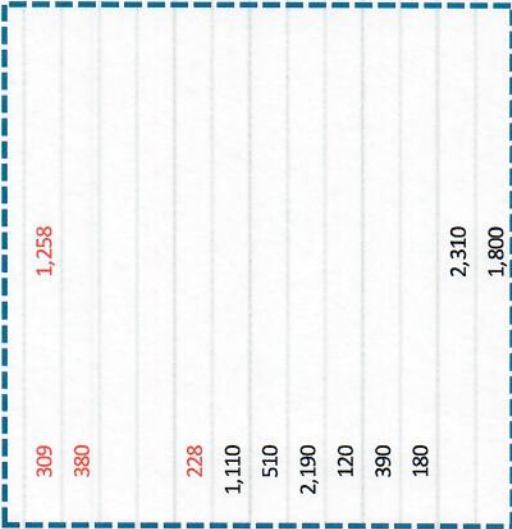
All data is sourced from SEIA/Wood Mackenzie Power & Renewables Solar Market Insight® 2021 Year in Review Report. For more information, contact [research@seia.org](mailto:research@seia.org)

# Capacity Expansion Plan - MG0 (GPC Only)

Incremental

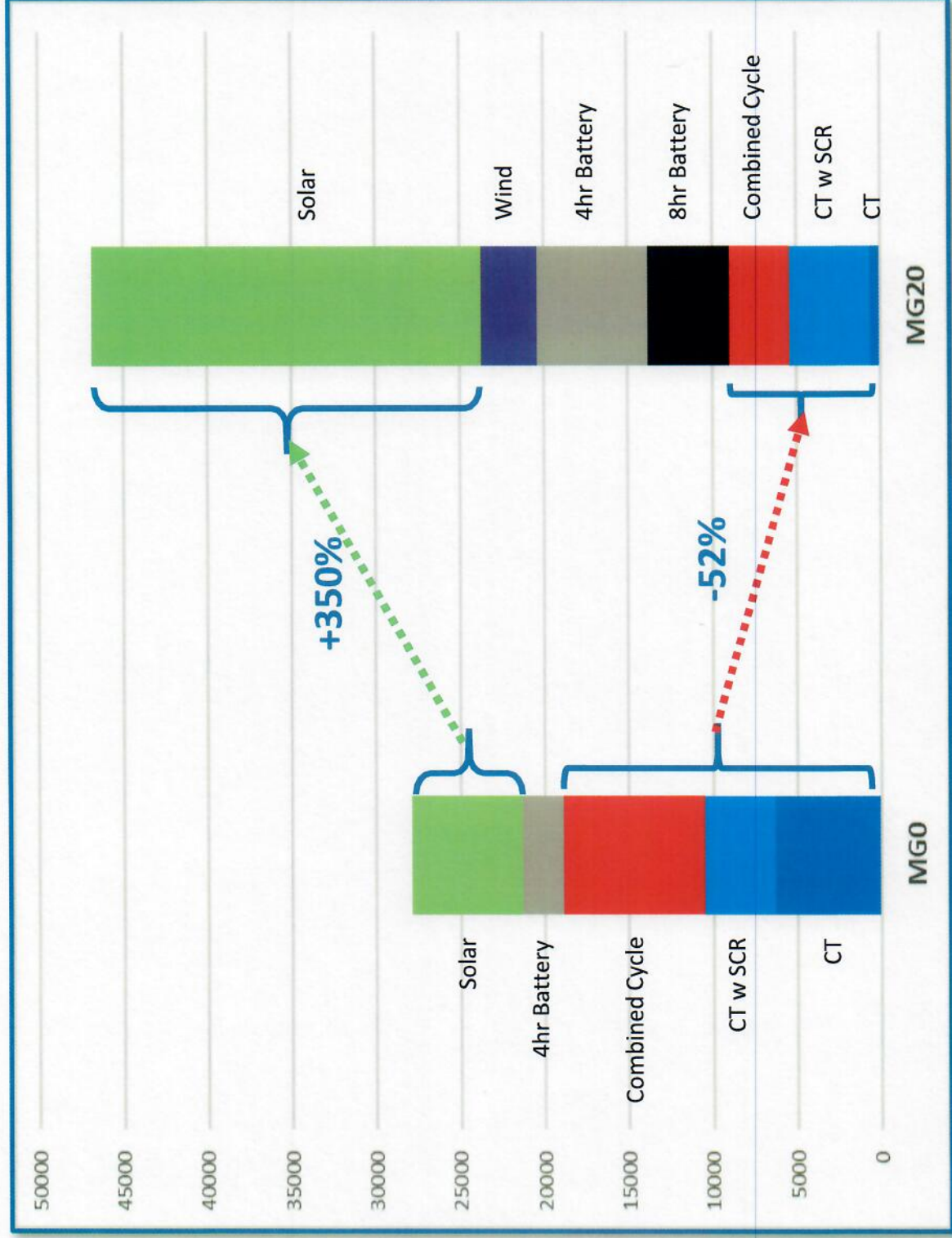
Year	CT	CT w/ SCR	CC	CC w/ CCS	Solar	Wind	Battery 4- hr (T1)	Battery 4- hr (T2)	Battery 4- hr (T3)	Battery 4- hr (T4)	Battery 8- hr	Recip	Nuclear 1	Nuclear 2	Super CO2	Total
2022																
2023																
2024	309		1,258													1567.3
2025	380															380
2026																
2027																
2028	228															228
2029	1,110															1110
2030	510															510
2031	2,190															2190
2032	120															120
2033	390															390
2034	180															180
2035			2,310				300									2610
2036			1,800				300	600	300							3000
2037			240													780
2038			750													2070
2039		210	510													2040
2040		780														2100
2041		510			840											1350
	5417	1500	6868.3		5340		600	600	300							20625.3

10,785 MW of gas generation (CTs and CCs) are added before any solar capacity is added in 2037.



# Budget 2022 Expansion Plans – Cumulative MWs by 2041

## Scenario MGO vs Scenario MG20



Source: Southern Company, 2022 Integrated Resource Plan, Resource Mix Study, January 2022. Figure 2, page 4.