

Georgia Power Company
Docket Nos. 56002 & 56003
2025 Integrated Resource Plan and 2025 Demand-Side Management Application
STF-BAI Data Request Set No. 1

STF-BAI-1-5

Question:

Please provide any revenue impact estimates prepared by the Company resulting from the Company's standard load growth sensitivity scenario (see page 19 of 2025 IRP Main Document for definition).

Response:

The Company has not prepared revenue impact estimates for any of the scenarios.

BEFORE THE GEORGIA PUBLIC SERVICE COMMISSION

**GEORGIA POWER COMPANY
DOCKET NO. 55378**

Data Request No. STF-DEA-3-6

**BASIS FOR THE ASSERTION THAT THE
INFORMATION SUBMITTED IS A TRADE SECRET**

As part of Georgia Power Company's 2023 Integrated Resource Plan Update filed in Docket No. 55378 ("2023 IRP Update"), Georgia Power Company ("Georgia Power" or the "Company") submits to the Georgia Public Service Commission its response to STF-DEA-3-6 ("Response"). In the Response, the Company has provided forward-looking estimates of revenues, loads, and costs for specific capacity projects. All of such information (the "Information") constitutes trade secret information of Southern Company, Georgia Power, and its affiliates and is therefore protected from public disclosure under Commission Rule 515-3-1-.11.

The Information derives economic value from not being generally known to, and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. Specifically, the Information contains detailed data related to the Company's load and revenue forecast in addition to the estimated costs for capacity, financing, capital costs, unit, and operation assumptions. Disclosure of the Information would provide extensive insight into the Company's projected unit operations. If revealed to the public, a generation wholesaler, power marketer, or original equipment manufacturer could use the Information to arbitrarily tailor proposals with the intention of pricing products and services according to the Company's expected costs, which could undermine the Company's ability to procure the best cost products and services for customers. Such disclosure could unfairly allow competitors to artificially manipulate the wholesale market and ultimately harm the Company. Lastly, the Company's competitors are generally not required to file similar forecast information and to require the Company to do so would put it at an economic disadvantage.

The Information is subject to substantial procedures to maintain its secrecy. Only select Georgia Power and Southern Company Services personnel are granted access to the Information. Those personnel receive access only on a "need to know" basis. Parties outside the Company who have been granted access to the Information, if any, have been required to sign confidentiality agreements with respect to the Information.

STF-DEA-3-6

Question:

Provide a forecast of upcoming price increases as a result of the inclusion of Plant Vogtle Units 3 and 4 into rate base as well as the new load acquisitions necessary to serve major new load growth.

Response:

Per Commission approval of the Stipulation in Georgia Power's Application to Adjust Rates to Include Reasonable and Prudent Plant Vogtle Units 3 and 4 Costs in Docket No. 29849, the base rate change will result in an increase of approximately 5% for the average retail customer, which translates to \$8.95 per month for a typical residential customer using an average of 1,000 kWh/month. This base rate change will occur the month following the commercial operation date ("COD") of Plant Vogtle Unit 4. Based on the current schedule, rates would change April 1, 2024.

All else being equal, the Company expects that the projected revenues associated with incremental load from known new customer projects, which necessitate the additional capacity requested in the 2023 IRP Update, will fully offset the costs of those resources requested in the 2023 IRP Update and put downward pressure on overall retail rates. Please note, the projected revenues provided are preliminary estimates at this point in time and may differ from future revenues. See TS STF-DEA-3-6 Attachments A-I for additional information.

Georgia Power Company
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STF-BAI-1-8

Question:

Please explain if the Company anticipates that the increased revenue requirement resulting from resource additions included in the MG0 scenario will be less than increases in revenue resulting from the Company's load growth in the Company's MG0 scenario. If the answer is in the affirmative, please provide any calculations or workpapers prepared by the Company supporting this assertion in Excel format with all formulae and links intact.

Response:

The Company does not have an analysis comparing the revenue requirements for the generic generation resource additions in the MG0 scenario to the revenue forecast associated with the MG0 scenario load growth. For large load customers, the Company is following the direction of the Commission's Order Approving Revisions to Georgia Power Company's Rules and Regulations and does anticipate that incremental revenue requirements associated with serving large load customers will be covered by the revenues collected from those customers.

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STF-BAI-1-6

Question:

Please provide any presentations prepared by either Georgia Power or its parent company, Southern Company, since January 1, 2023, comparing its billing rates to other investor-owned utilities.

Response:

Please see STF-BAI-1-6 Attachment A TRADE SECRET, STF-BAI-1-6 Attachment B, and STF-BAI-1-6 Attachment C TRADE SECRET. These attachments reflect Georgia Power's data only.

STF-BAI-1-6 Attachment B

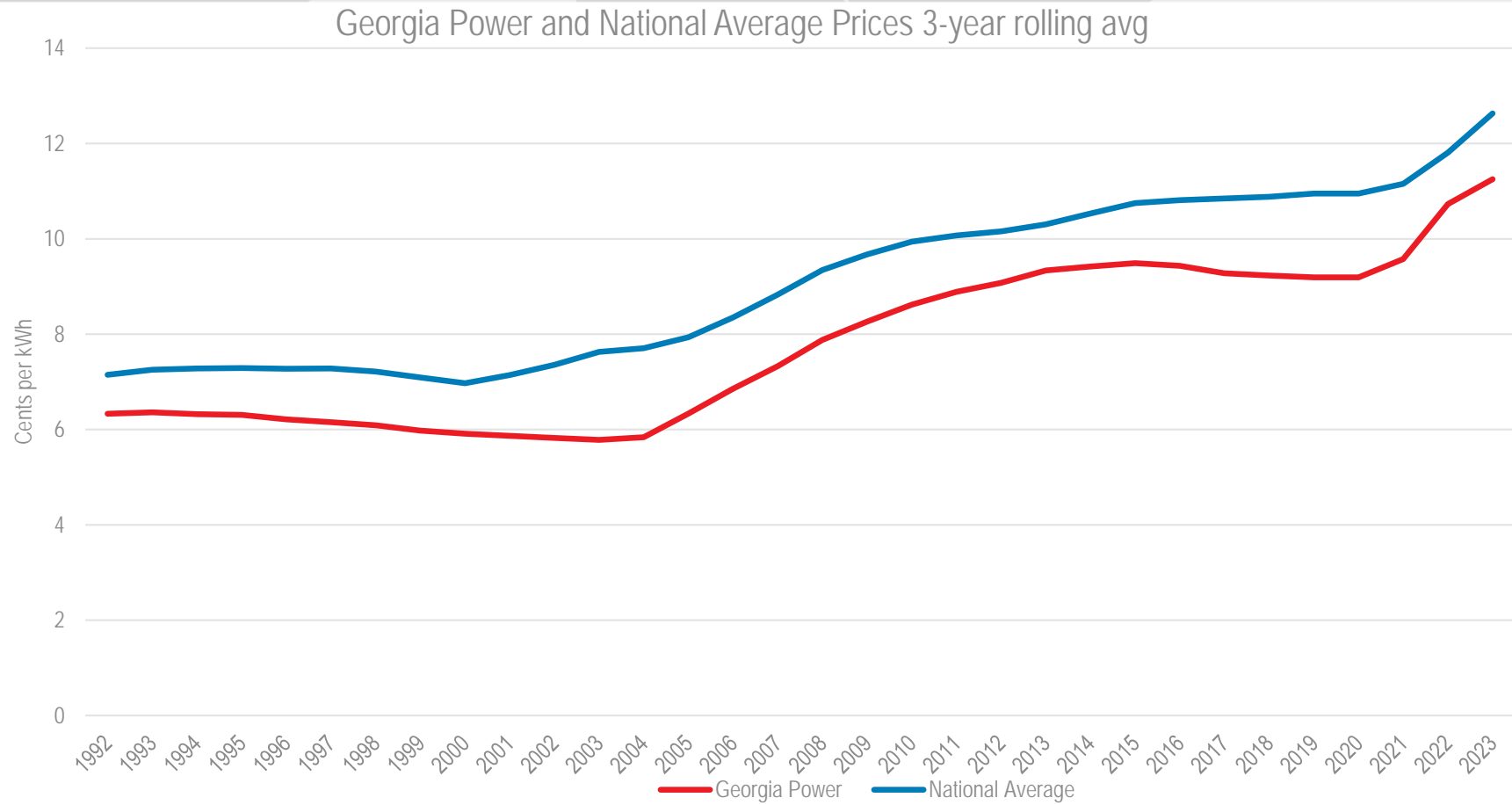


Georgia Power Price Trends



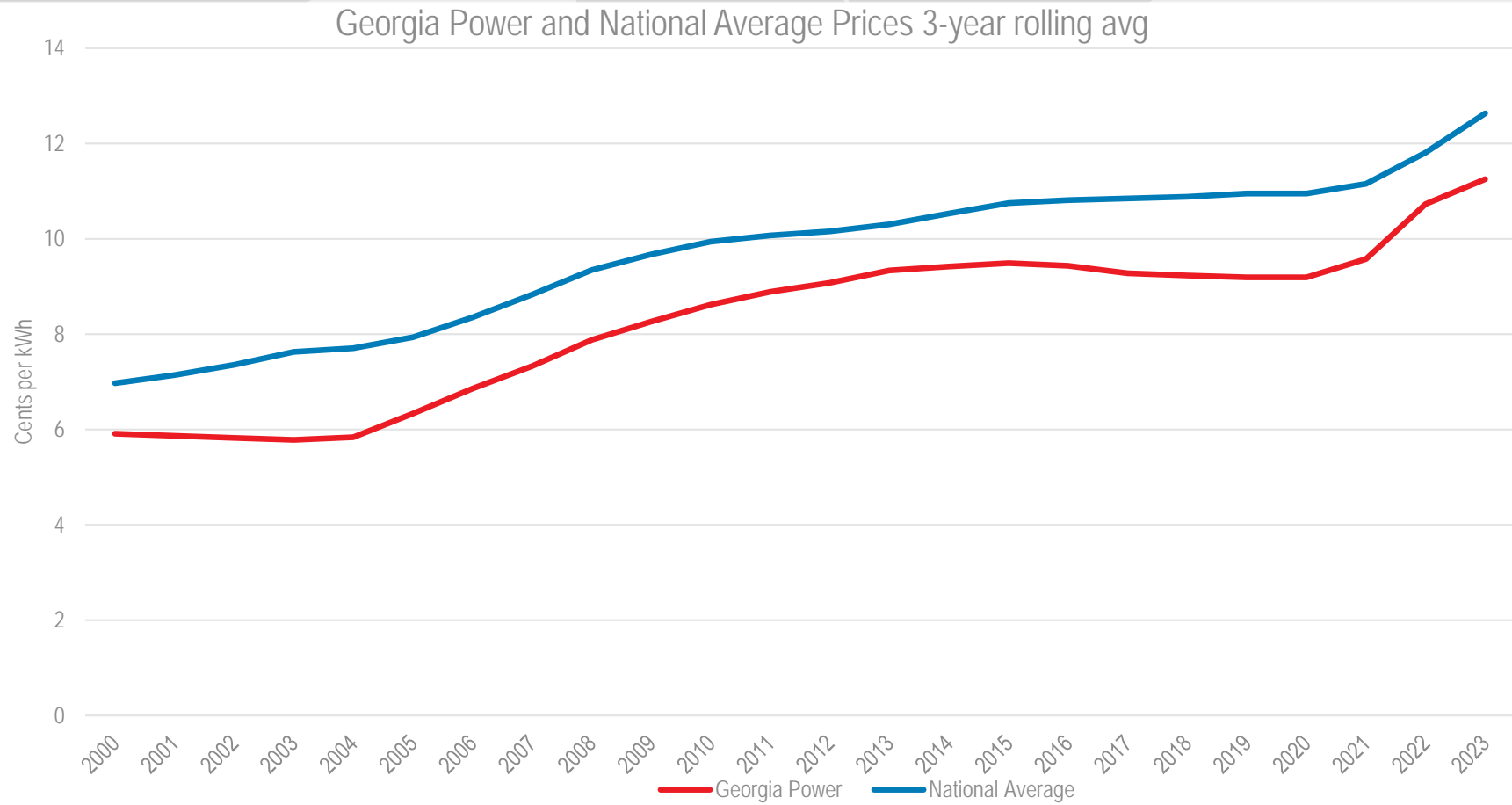
STF-BAI-1-6 Attachment B

Georgia Power has Maintained Prices Below the National Average



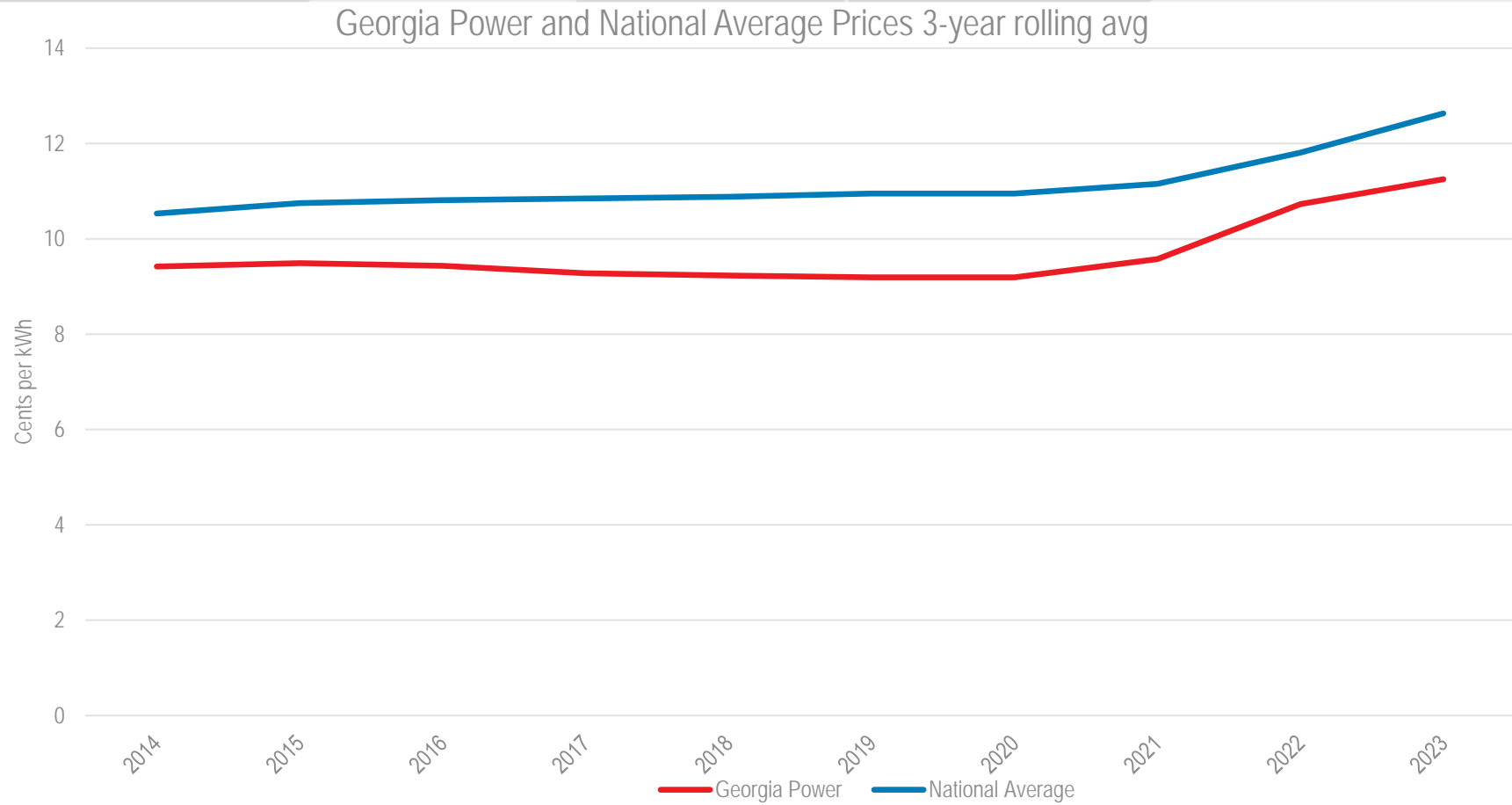
STF-BAI-1-6 Attachment B

Georgia Power has Maintained Prices Below the National Average

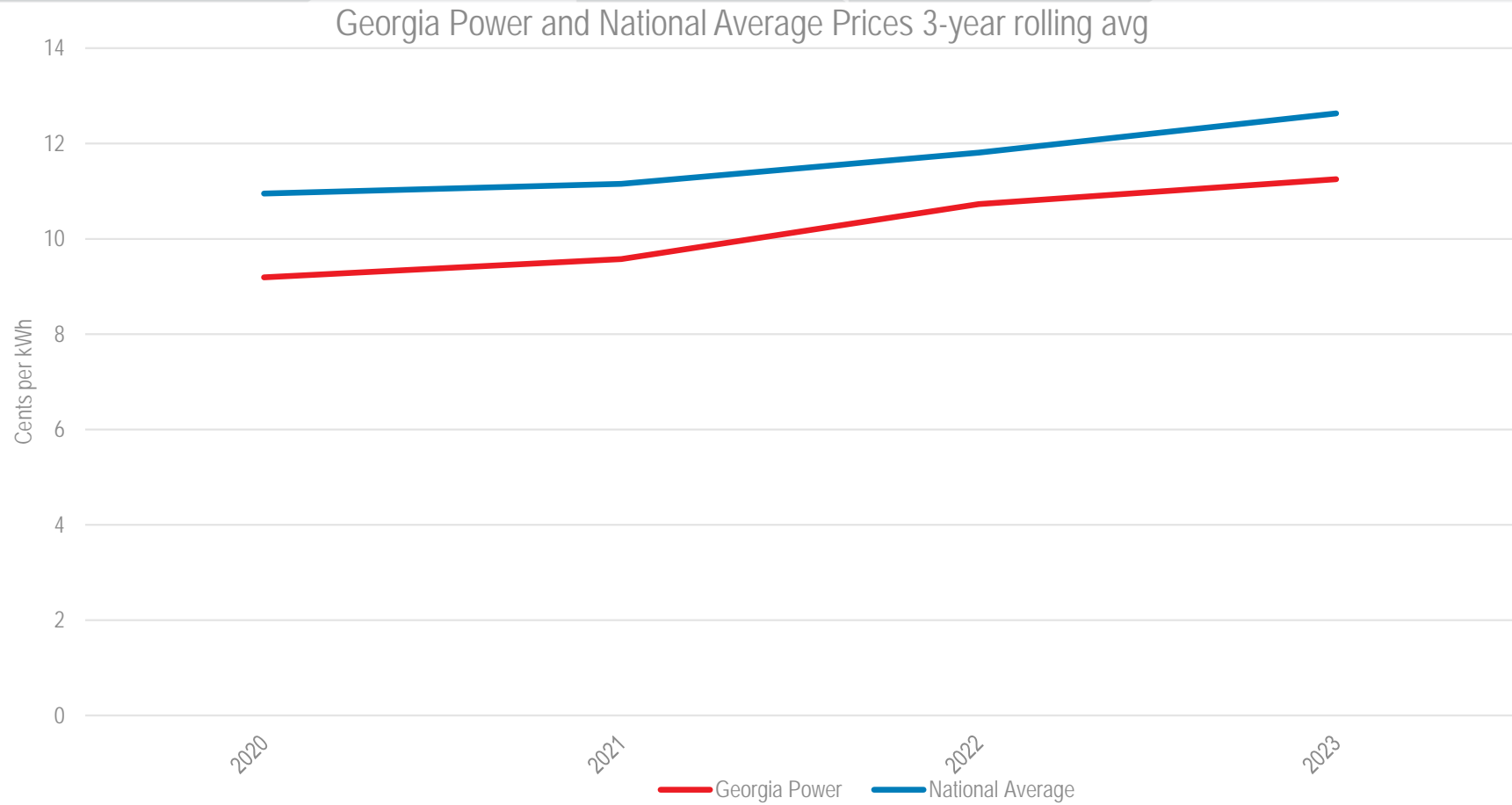


STF-BAI-1-6 Attachment B

Georgia Power has Maintained Prices Below the National Average

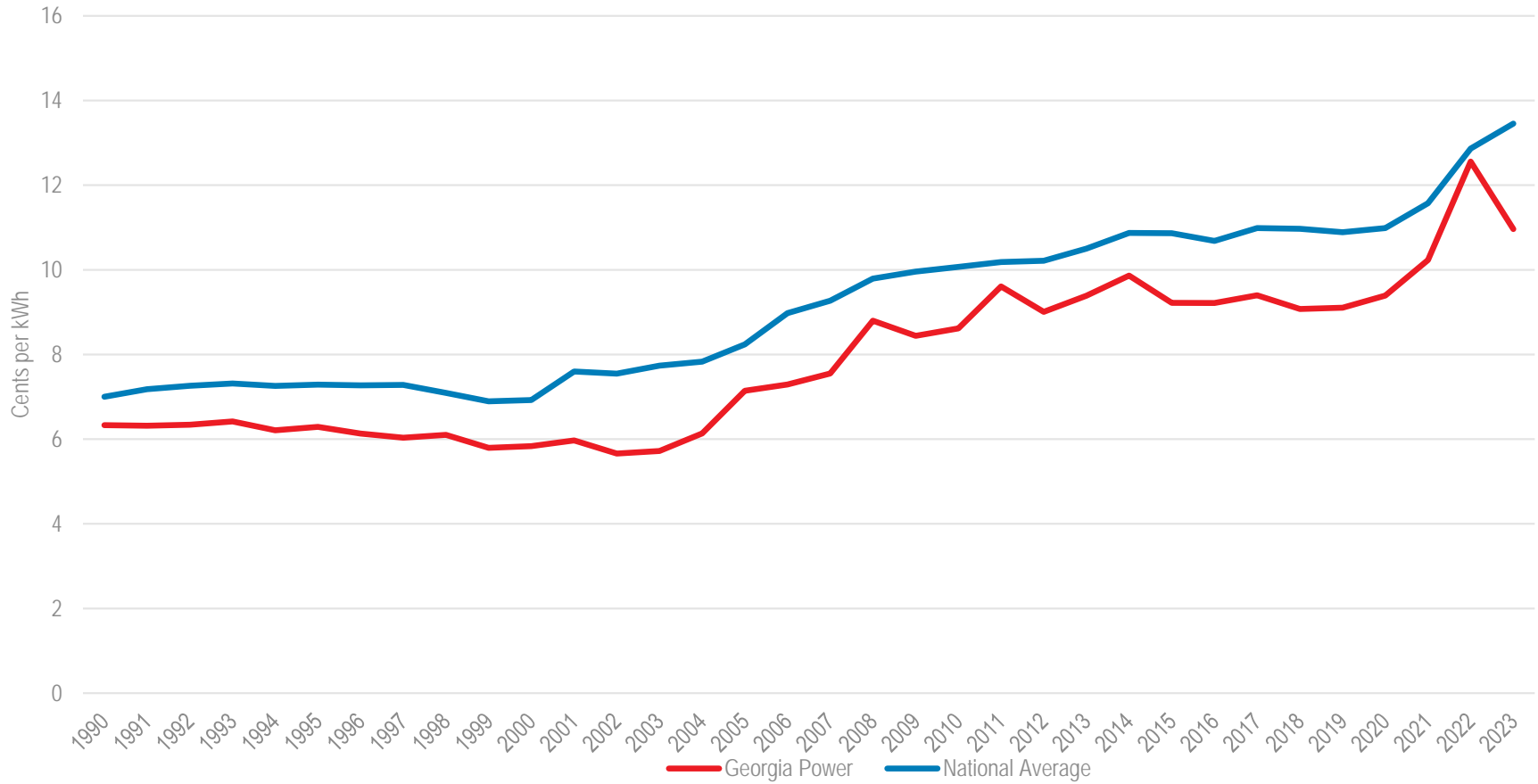


Georgia Power has Maintained Prices Below the National Average



STF-BAI-1-6 Attachment B

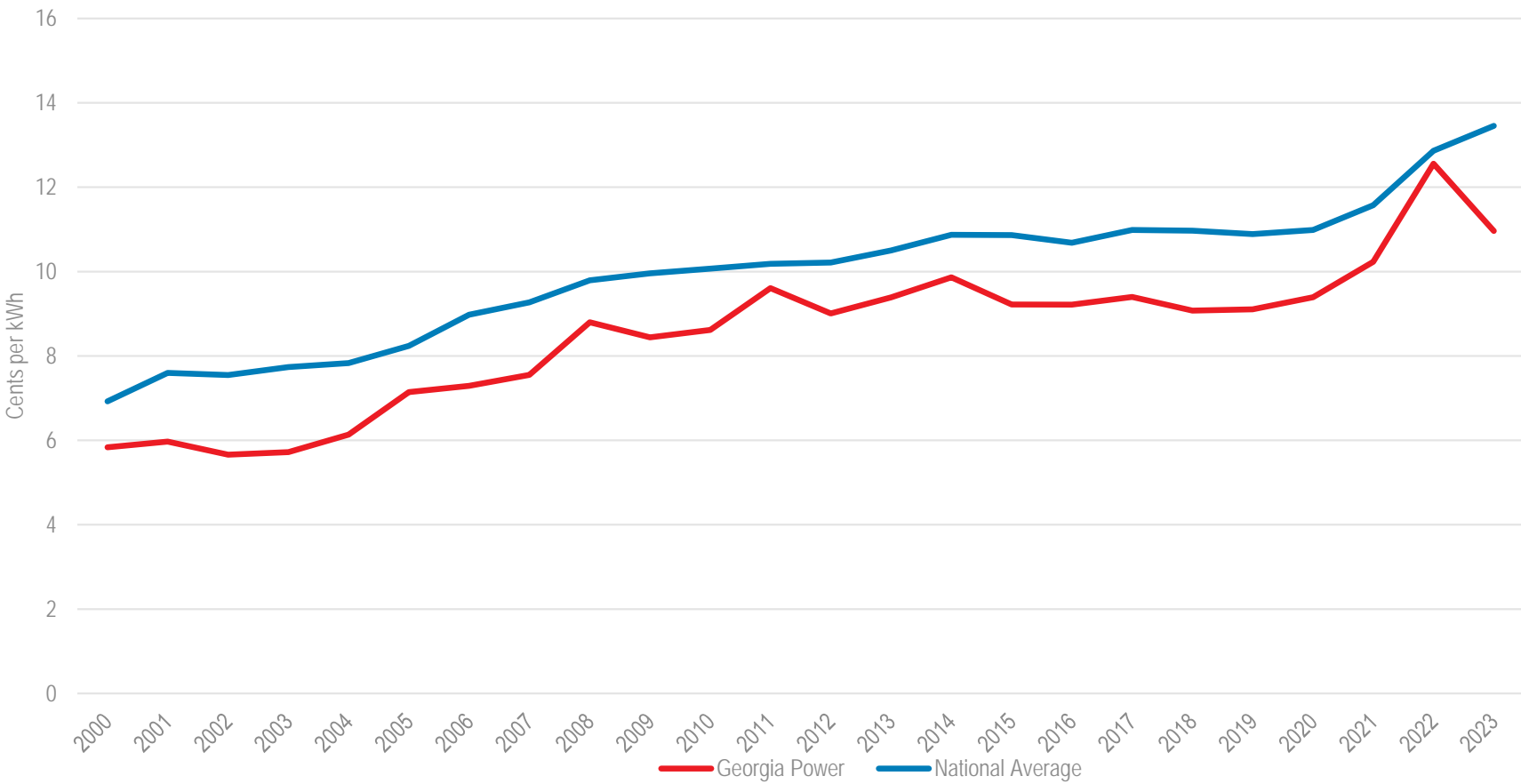
Georgia Power has Maintained Prices Below the National Average



Available to share externally

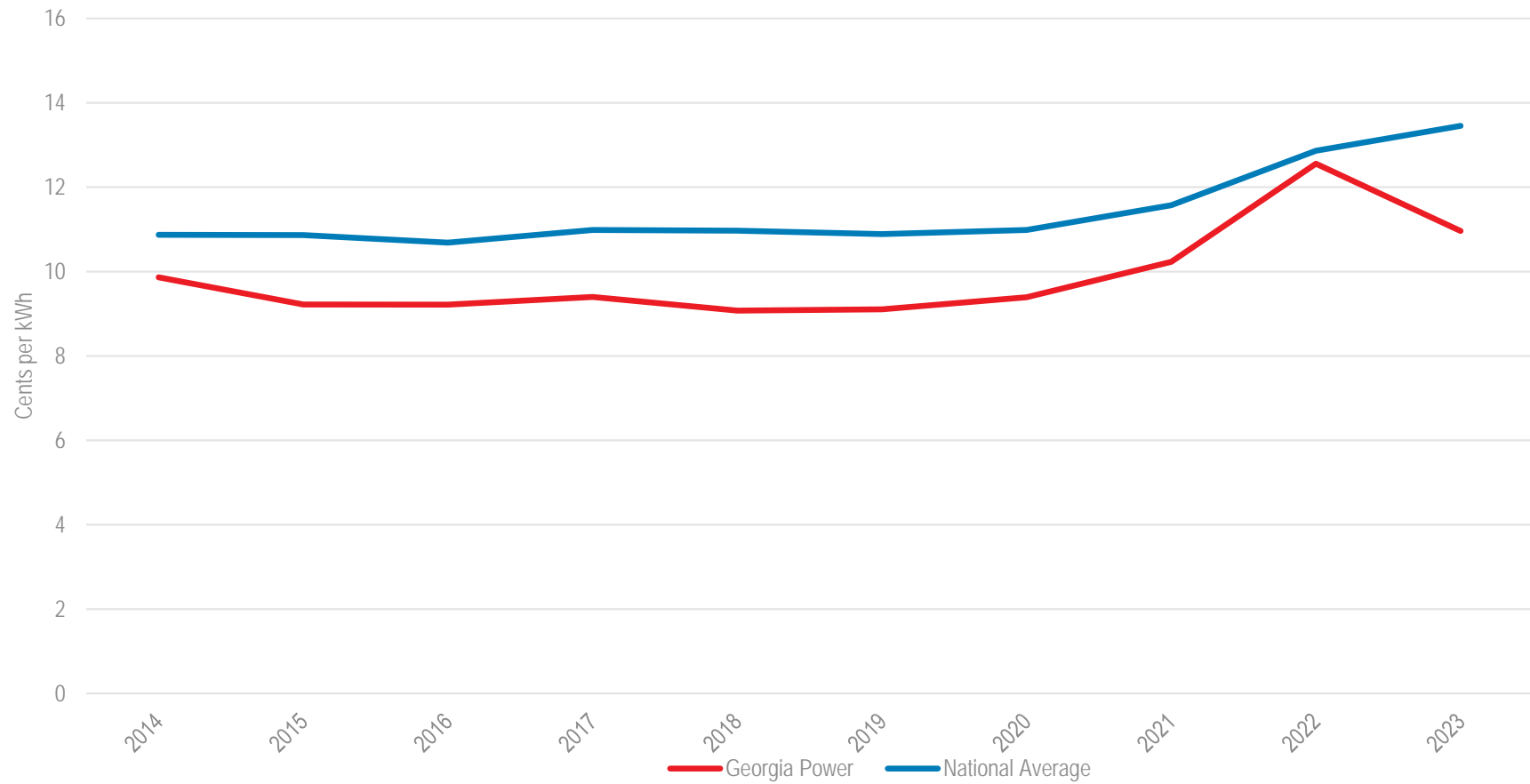
STF-BAI-1-6 Attachment B

Georgia Power has Maintained Prices Below the National Average



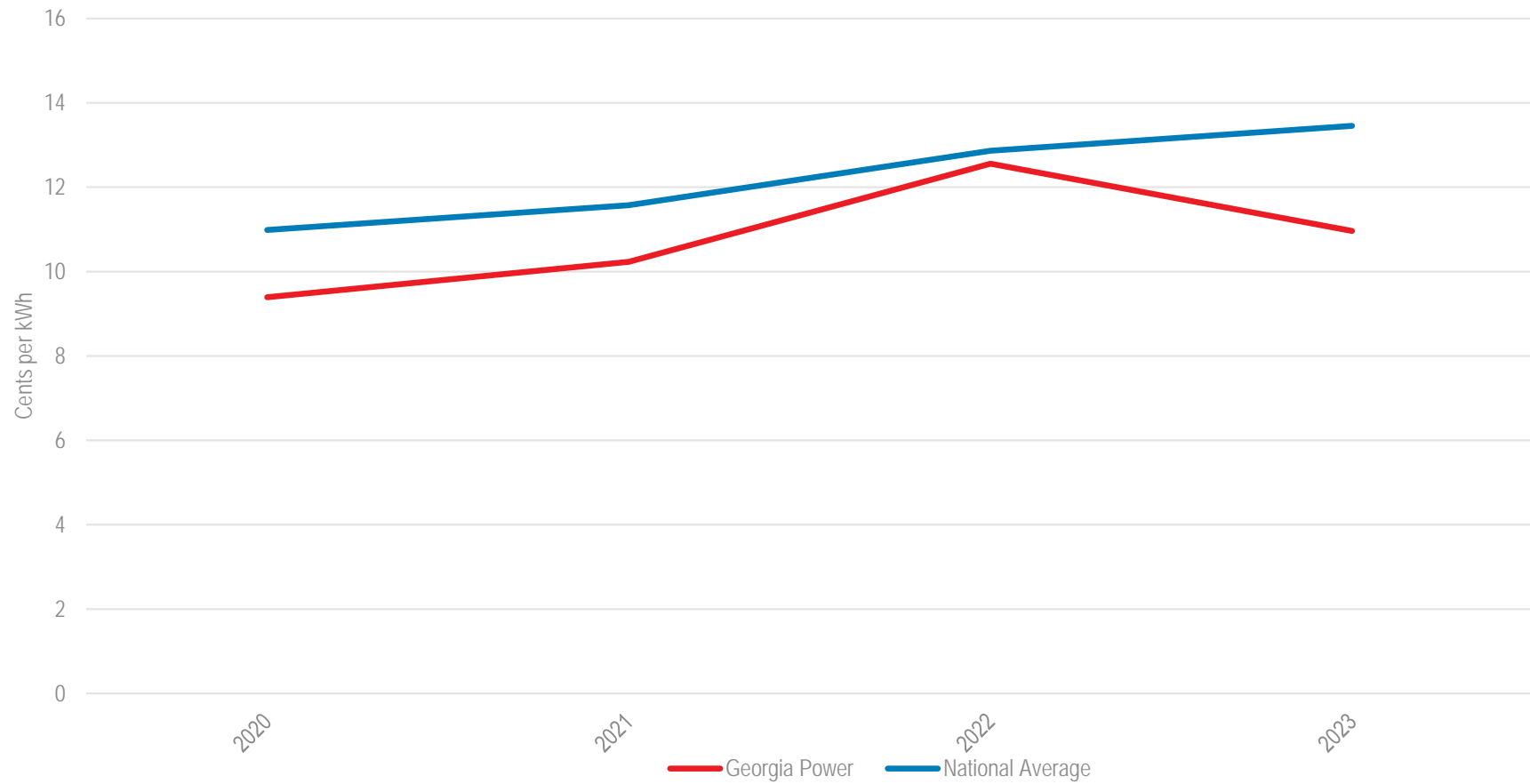
STF-BAI-1-6 Attachment B

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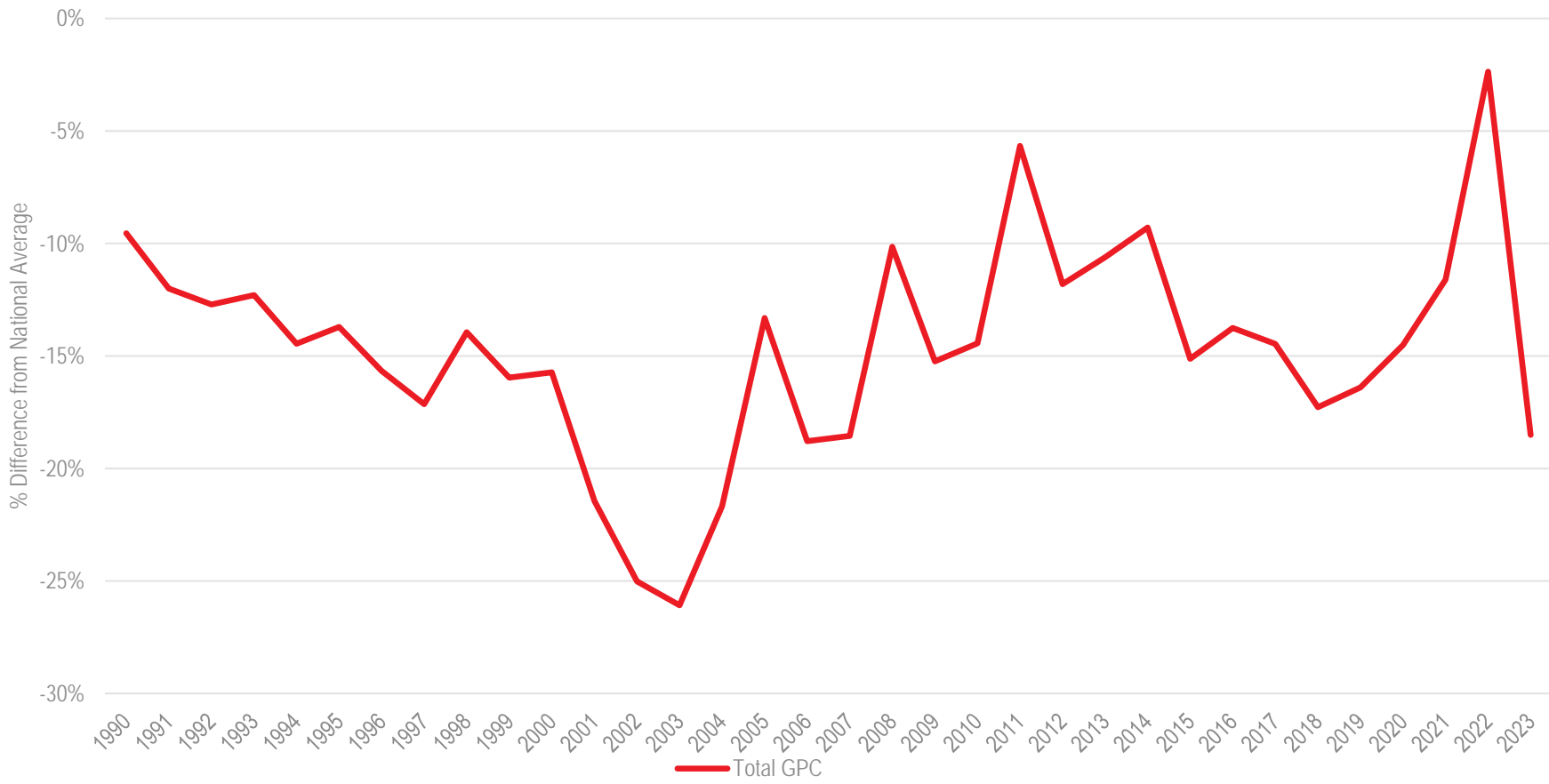
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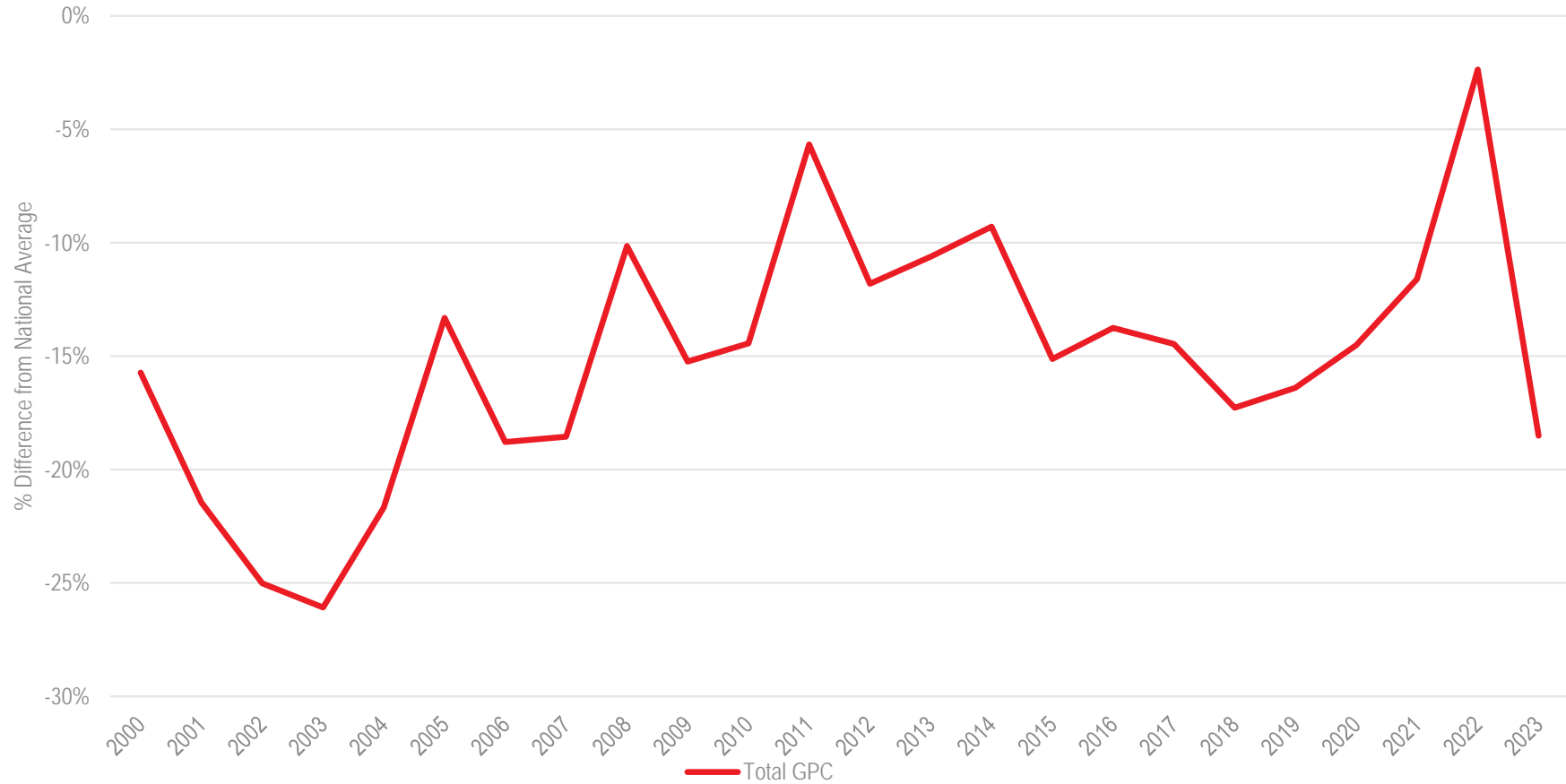
STF-BAI-1-6 Attachment B

Georgia Power has Maintained Prices Below the National Average



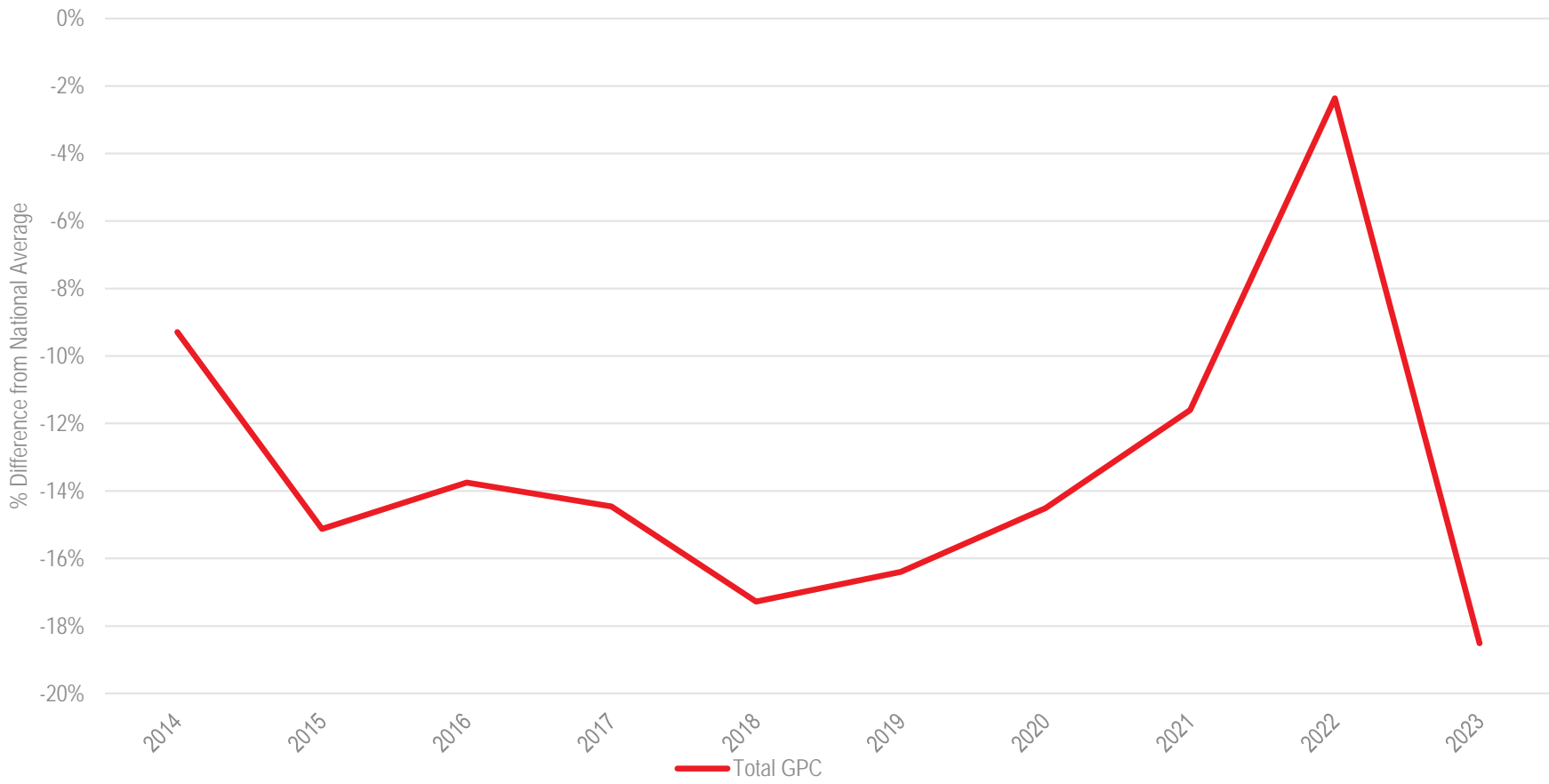
STF-BAI-1-6 Attachment B

Georgia Power has Maintained Prices Below the National Average



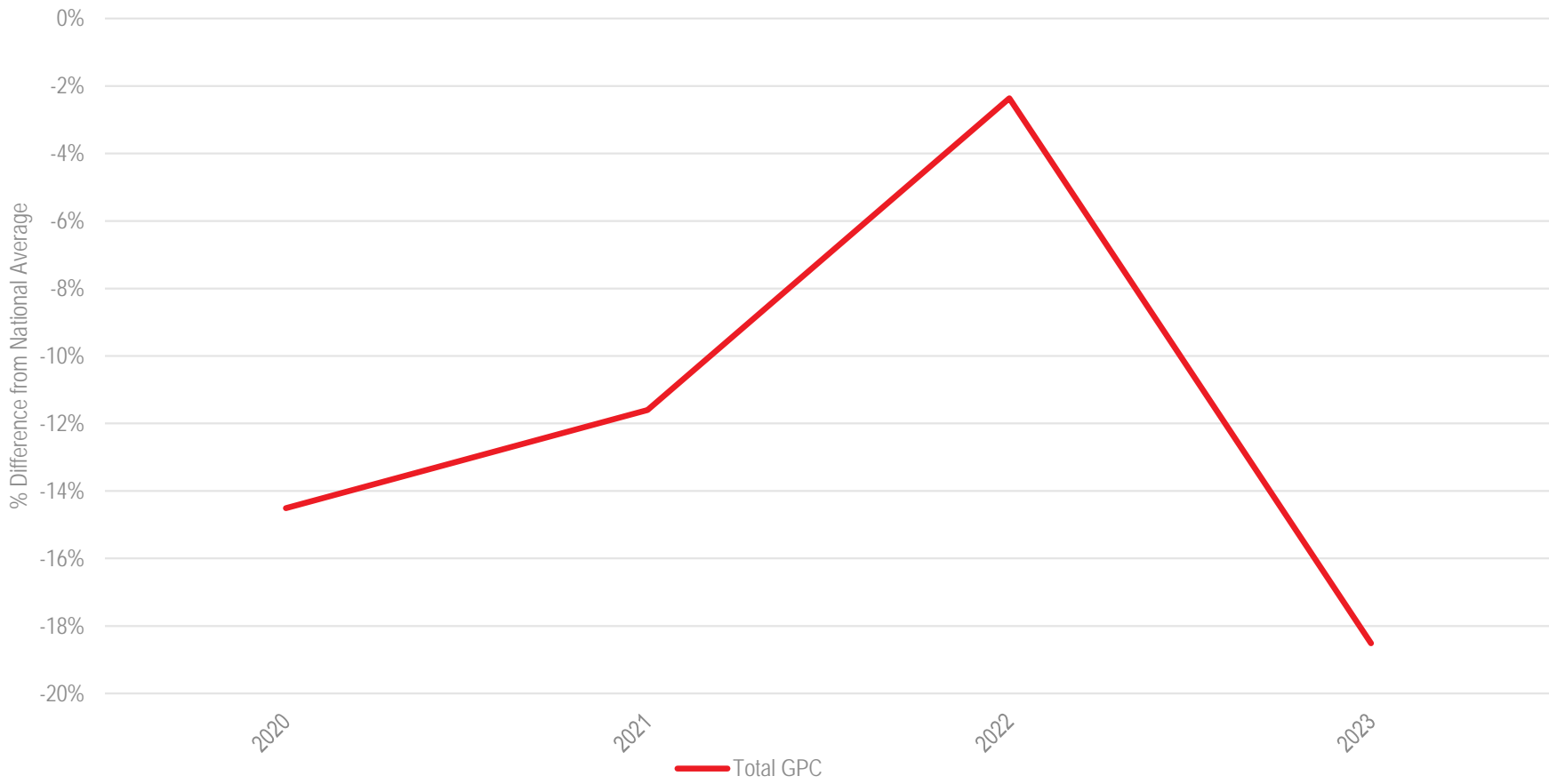
STF-BAI-1-6 Attachment B

Georgia Power has Maintained Prices Below the National Average



STF-BAI-1-6 Attachment B

Georgia Power has Maintained Prices Below the National Average



STF-BAI-1-6 Attachment B



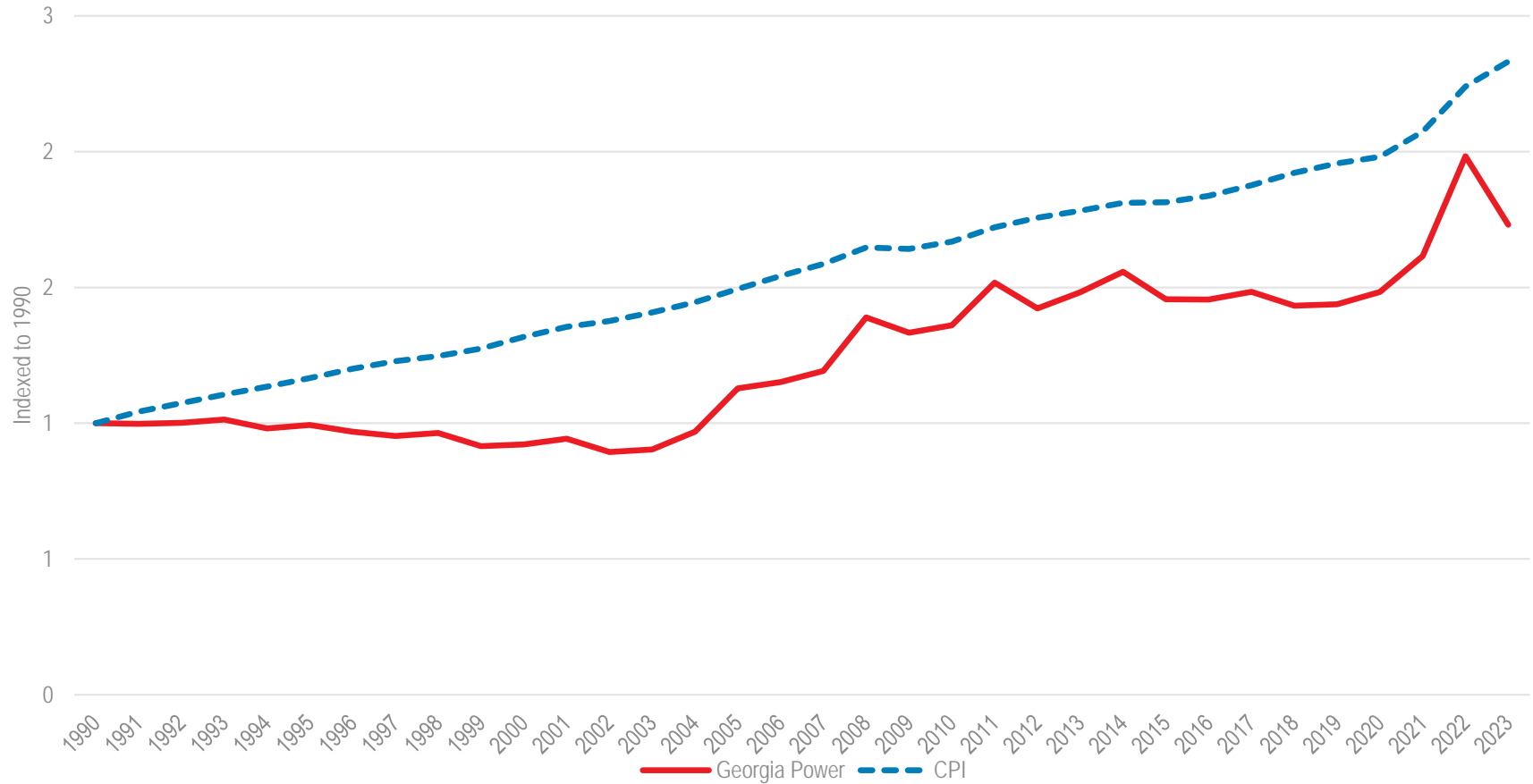
Retail Price vs. Inflation Trends



STF-BAI-1-6 Attachment B

Historical Residential Price vs. Consumer Price Index

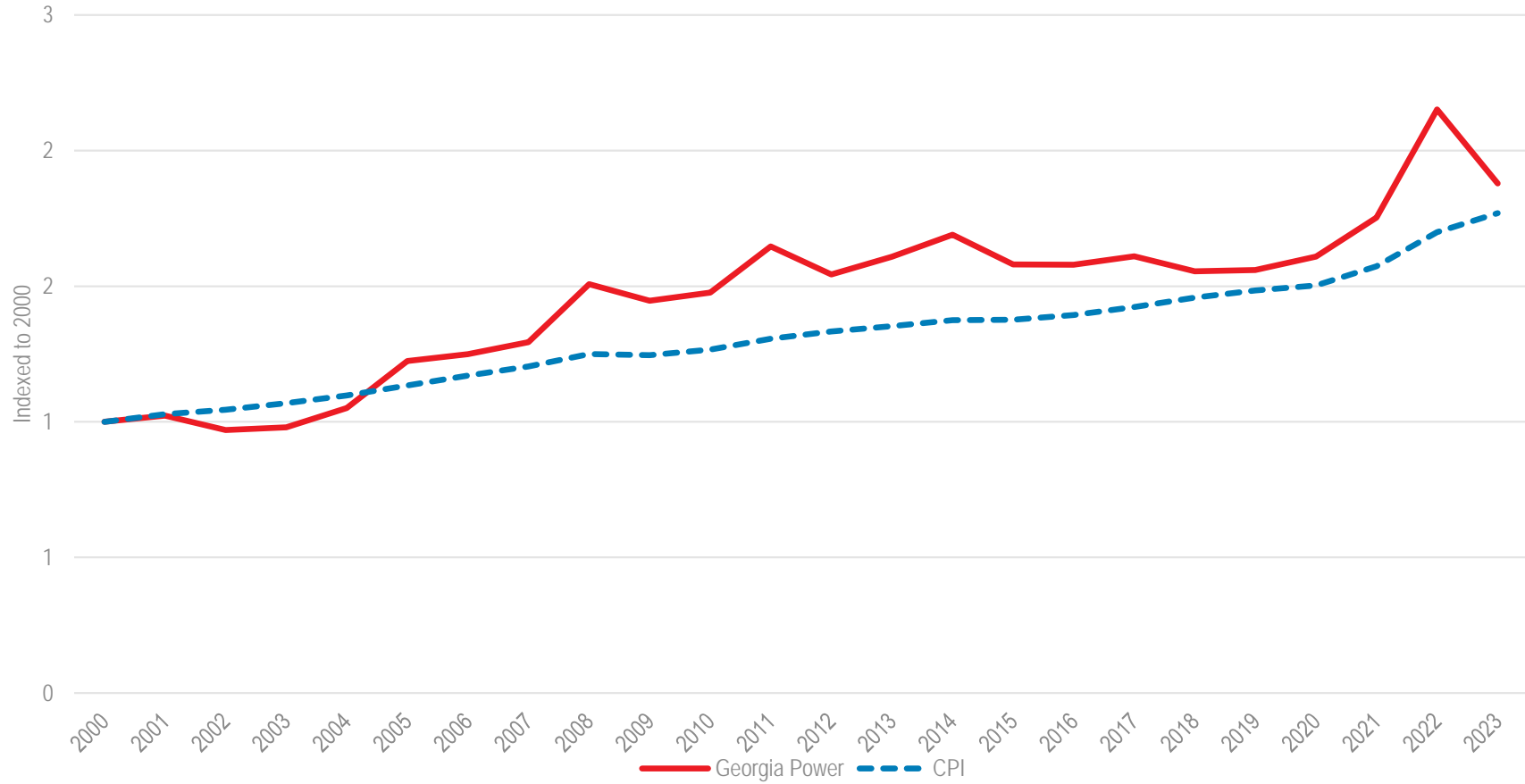
Georgia Power prices are EIA 861 data (revenue / KWh) vs the Bureau of Labor Statistics' consumer price index



STF-BAI-1-6 Attachment B

Historical Residential Price vs. Consumer Price Index

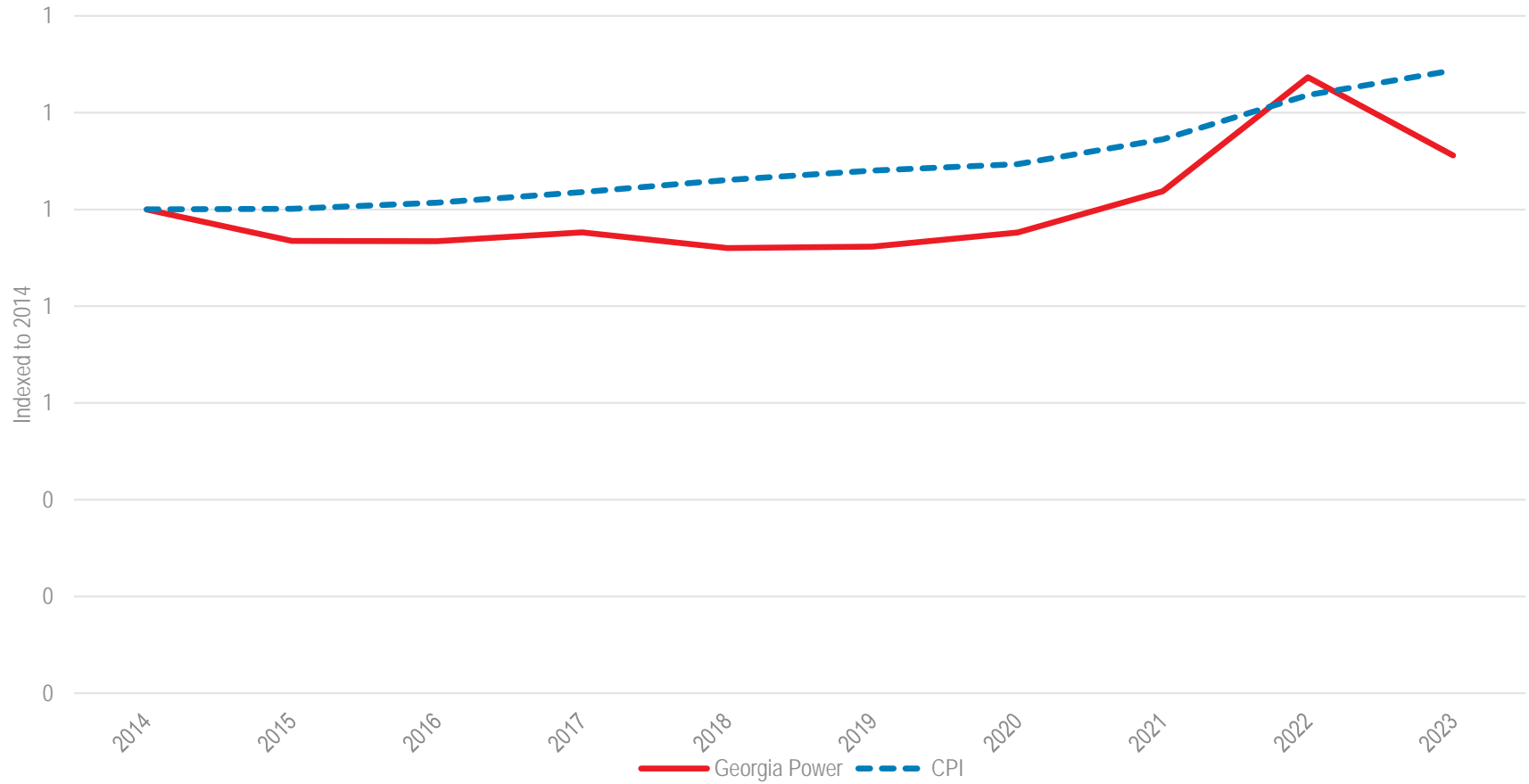
Georgia Power prices are EIA 861 data (revenue / KWh) vs the Bureau of Labor Statistics' consumer price index



STF-BAI-1-6 Attachment B

Historical Residential Price vs. Consumer Price Index

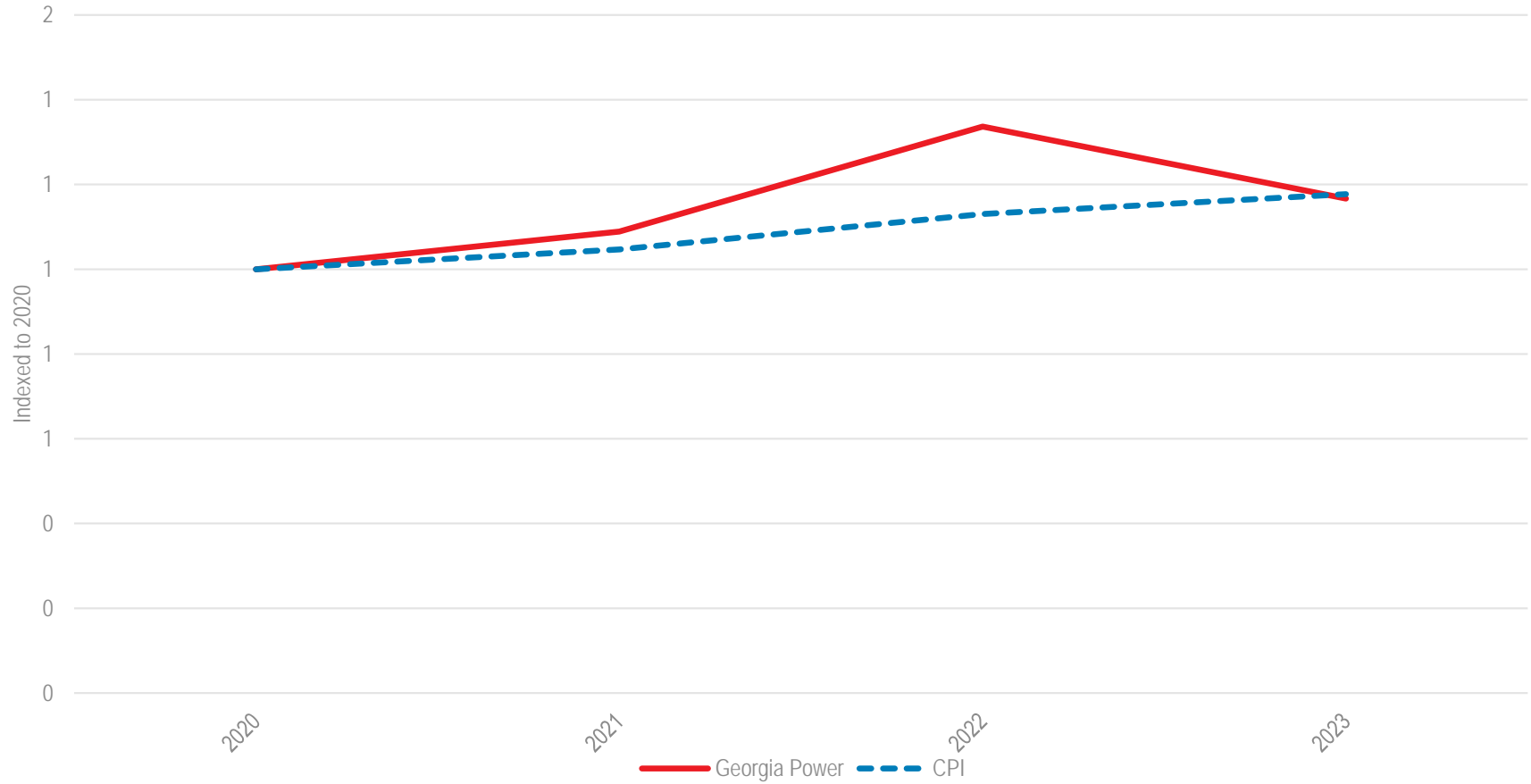
Georgia Power prices are EIA 861 data (revenue / KWh) vs the Bureau of Labor Statistics' consumer price index



STF-BAI-1-6 Attachment B

Historical Residential Price vs. Consumer Price Index

Georgia Power prices are EIA 861 data (revenue / KWh) vs the Bureau of Labor Statistics' consumer price index



PUBLIC DISCLOSURE



STF-BAI-1-6 Attachment A PUBLIC DISCLOSURE

2023 EIA Relative Price Position



- Based on EIA data, Southern Company's electric price position improved relative to the National and Southeast averages from 2022 to 2023. However, Southern's residential prices remained higher than our Southeast peers for calendar year 2023.
 - Southern's average total retail price was 16% below the National average¹ for 2023, compared to 4.4% below in 2022.
 - Southern's average total retail price was 1.3% below the Southeast regional average² for 2023, compared to 13.5% above in 2022. Southern Company's Residential prices were 4.9% above our Southeast peers for calendar year 2023.
- EIA data does not necessarily equate to the price customers are seeing on their bills.
 - For example, there are timing discrepancies between when fuel costs are incurred and when they show up on a customer's bill.
- The 2023 year-end results return Southern's relative price to historical trends after a volatile 2022 fuel environment.
 - In 2022, Southern Company experienced rapid fuel expense increases leading to a sharp degradation in Southern's relative price position.
 - In 2023, fuel costs declined causing our relative price position to improve and yielding results in line with historical trends.

¹National Comparison is based on peer IOUs reported on by US Energy information Administration.

²Southeast region is based on Dominion Energy South Carolina, Duke Energy Carolinas, Duke Energy Progress, Duke Energy Florida, Entergy Arkansas, Entergy Louisiana, Entergy Mississippi, Entergy New Orleans, Florida Power & Light, Gulf Power, Tampa Electric, and Virginia Electric & Power.
National and Southeast region peer groups exclude Southern Company.

PUBLIC DISCLOSURE

STF-BAI-1-6 Attachment A PUBLIC DISCLOSURE
2023 Relative Price Position – Southern Company and OpCos

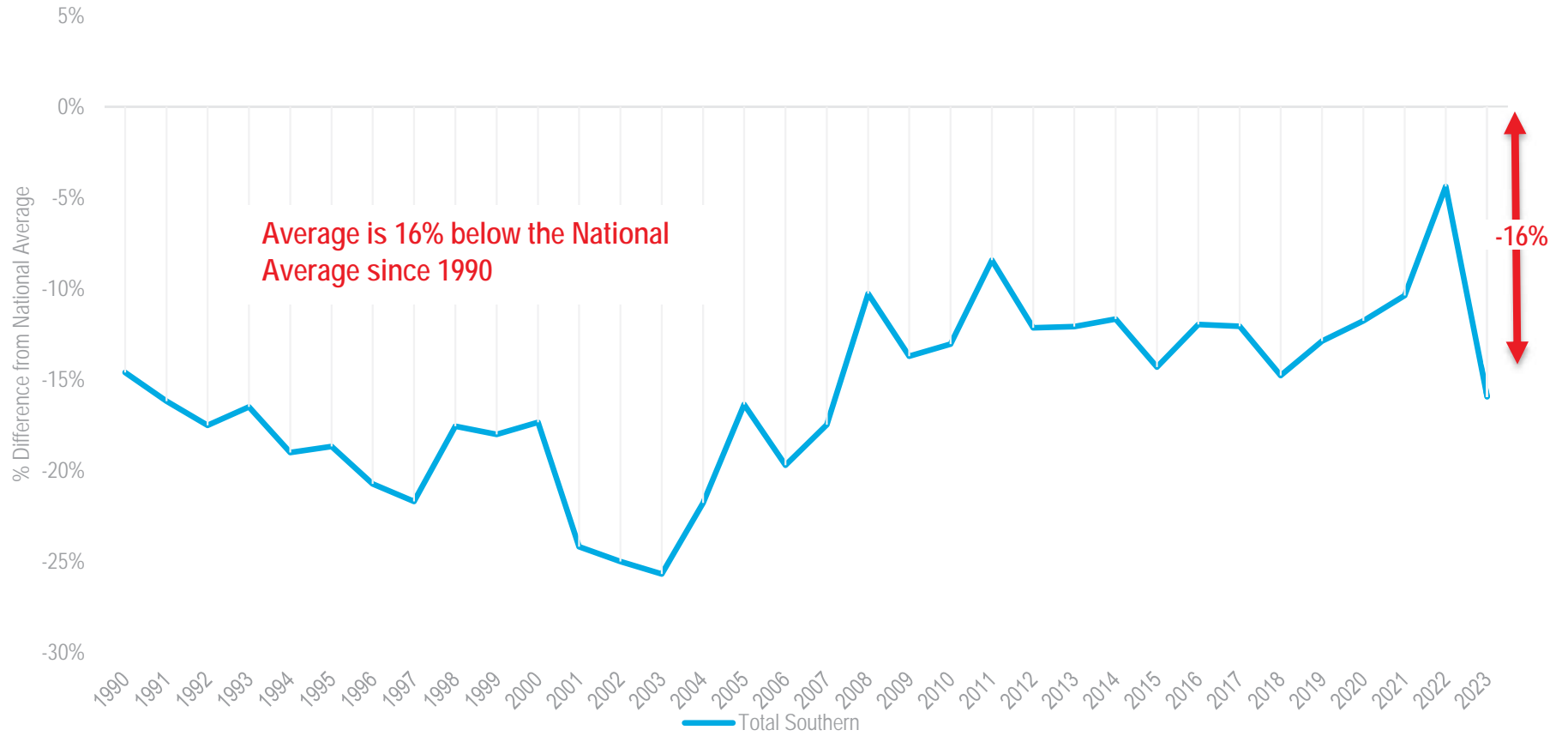
- Southern Company’s relative price position for calendar year 2023 was 16% below the National average and 1.3% below Southeast regional peers.
- However, Southern Company’s Residential prices were 4.9% above our Southeast peers for calendar year 2023.
- Shown in the table at right are Southern Company’s retail prices by customer class and total retail price as reported by EIA for the 12 months ending December 2023.
- The below table shows total retail and R,C, & I prices and relative price position for each electric OpCo.

12-months ending December 2023	Benchmark - Average Prices, ¢/kWh		Total Southern 12-months ending December 2023		
	National Average	Southeast Average	¢/kWh	Difference from National Average	Difference from select Southeast Peers
Residential Price	16.63	14.38	15.09	-9.3%	4.9%
Commercial Price	12.77	10.50	11.87	-7.0%	13.0%
Industrial Price	8.46	6.89	7.08	-16.3%	2.7%
Total Retail Price¹	13.45	11.45	11.31	-16.0%	-1.3%

12-months ending December 2023	REDACTED			Georgia Power			REDACTED		
	REDACTED	REDACTED	REDACTED	¢/kWh	Difference from National Average	Difference from select Southeast Peers	REDACTED	REDACTED	REDACTED
Residential Price	REDACTED	REDACTED	REDACTED	14.62	-12.1%	1.7%	REDACTED	REDACTED	REDACTED
Commercial Price	REDACTED	REDACTED	REDACTED	11.05	-13.5%	5.2%	REDACTED	REDACTED	REDACTED
Industrial Price	REDACTED	REDACTED	REDACTED	6.54	-22.7%	-5.1%	REDACTED	REDACTED	REDACTED
Total Retail Price¹	REDACTED	REDACTED	REDACTED	10.96	-18.5%	-4.3%	REDACTED	REDACTED	REDACTED

¹Total Southern Retail Price represents total revenues (\$) for listed customer classes divided by total sales (kWh) for listed customer classes.

Southern Company Continues to Offer Prices Below the National Average



PUBLIC DISCLOSURE



STF-BAI-1-6 Attachment A PUBLIC DISCLOSURE

Retail Price vs. Inflation Trends

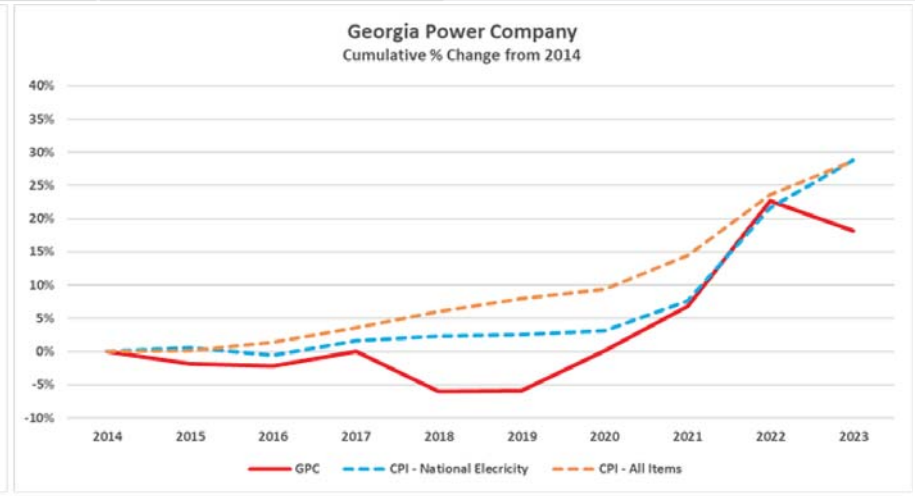
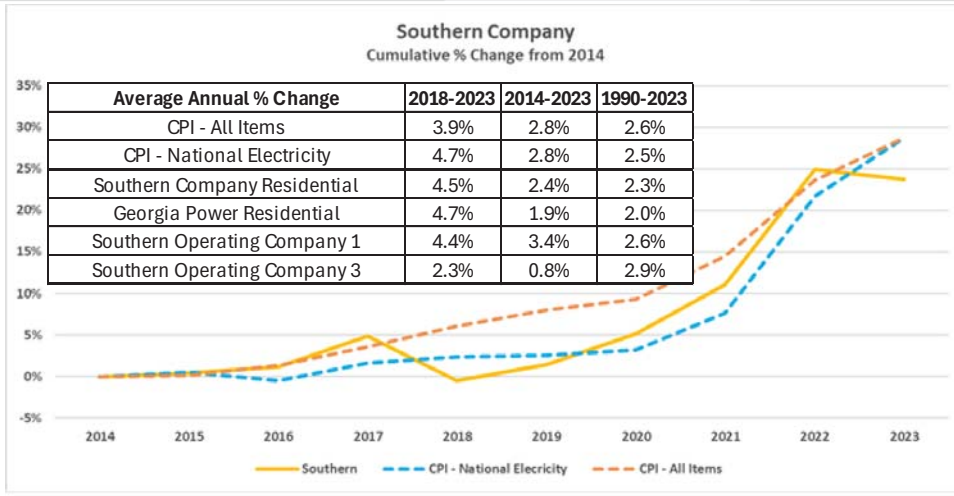


PUBLIC DISCLOSURE

STE-BAR 1.6 Attachment A PUBLIC DISCLOSURE

Historical Residential Price vs. Consumer Price Index

Southern prices are EIA 861 data (revenue / kWh) vs the Bureau of Labor Statistics' consumer price index



REDACTED

REDACTED

PUBLIC DISCLOSURE

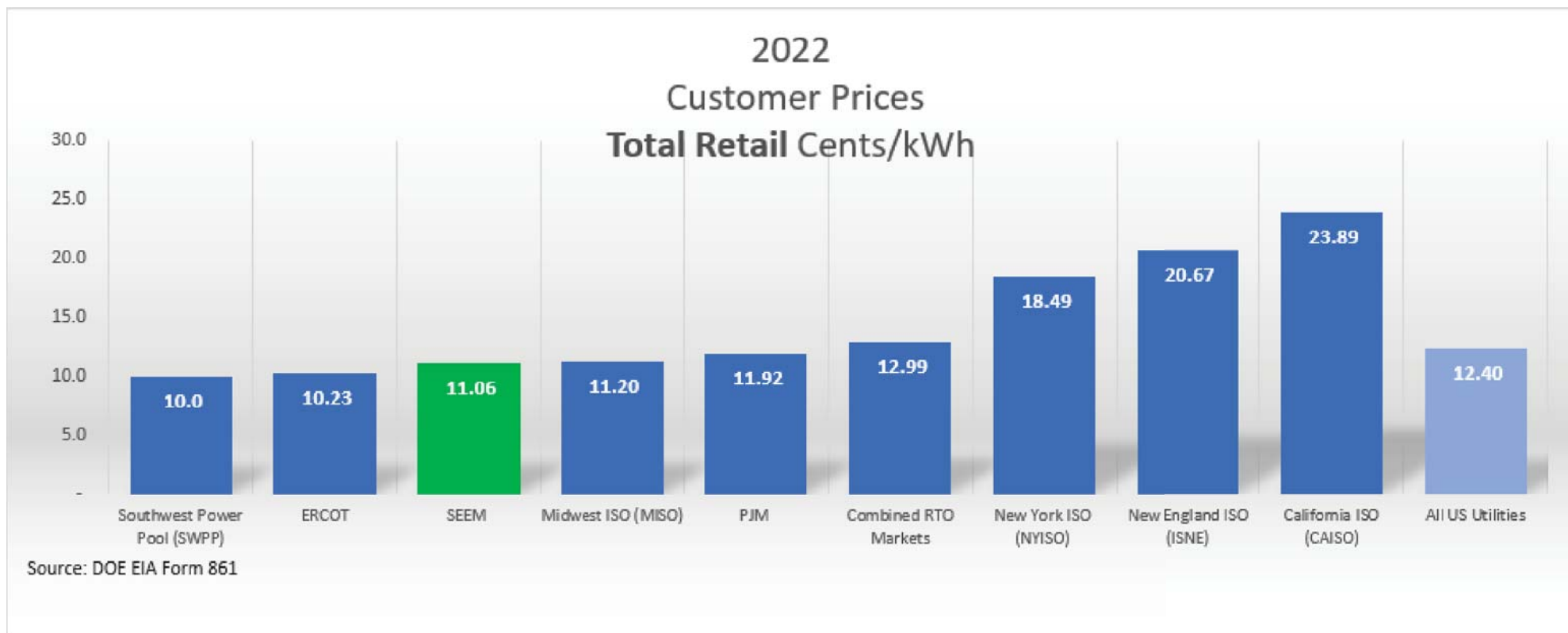


Southeast Energy Exchange Market (SEEM)

STF-BAI-1-6 Attachment A PUBLIC DISCLOSURE



2022 SEEM comparison



PUBLIC DISCLOSURE



Affordability

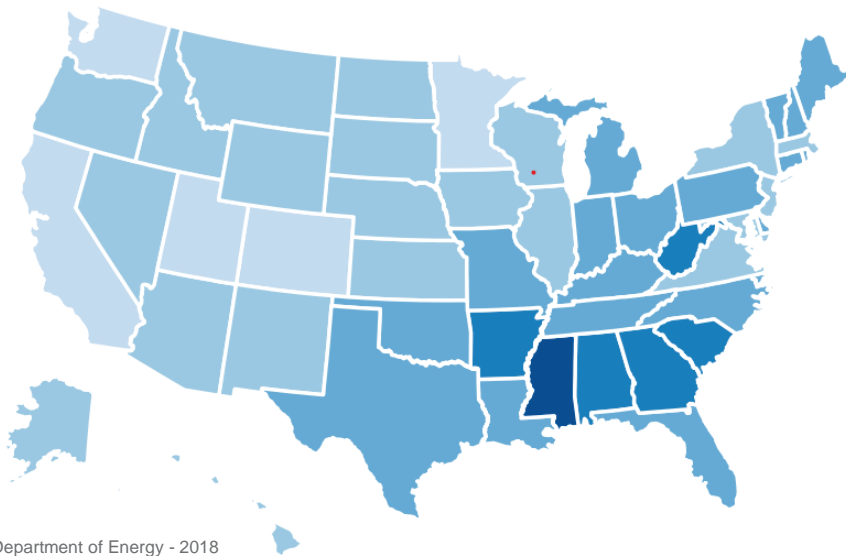
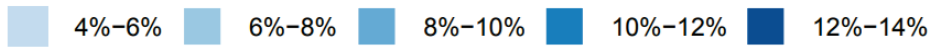
STF-BAI-1-6 Attachment A PUBLIC DISCLOSURE



Source: Customer Service, Customer Experience, System Customer Council

Combined Electric Demographics

Low Income Cost of Energy as % of Household Income



U.S. Department of Energy - 2018

United States

- Median household income is \$74,580
- 12.6% of households fall below the poverty level
- 34% of households have income < \$50,000

REDACTED

Georgia

- Georgia's median household income is \$72,860
- 12.7% of households fall below the poverty level
- REDACTED REDACTED REDACTED

REDACTED

PUBLIC DISCLOSURE

STF-BAI-1-6 Attachment A PUBLIC DISCLOSURE

Bill Affordability Remains a Challenge for LMI Customers

REDACTED

PUBLIC DISCLOSURE Strategic Approach

STF-BAI-1-6 Attachment A PUBLIC DISCLOSURE



Affordability

Help alleviate the strain that customers are facing with limited financial resources, causing them to be unable to afford their basic standard of living.



Awareness

Ensure that stakeholders are well informed of Energy Assistance resources and programs that can help.



Accessibility

Enable the sharing of resources with partners to expand access to additional funding.



Assistance

Successfully match LMI customers to assistance to help prevent financial hardship.



Internal Use – please contact SCS Planning and Regulatory Support for external data needs

Source: Energy Affordability Update Presentation March 2024 – System Customer Council

PUBLIC DISCLOSURE



STF-BAI-1-6 Attachment A PUBLIC DISCLOSURE

Appendix



Impact of Fuel on 2022 and 2023 Relative Price Position

- In 2022, Southern Company experienced rapid fuel expense increases leading to a sharp degradation in Southern's relative price position.
 - Beginning in 2021, numerous variables drove an increase in the cost of fuel used for power generation such as geopolitical unrest, global supply chain constraints, which included slower-than-expected gas production coming out of the COVID-19 pandemic, higher than expected domestic demand for natural gas, and an increased demand for LNG-exports. These variables not only drove the cost of natural gas to levels not seen since 2008, but also increased the cost of coal, as its supply (influenced in part by transportation constraints) did not keep pace with increased demand.
 - Weather volatility exacerbated these cost pressures. Higher temperatures in the summer, coupled with lower temperatures in the winter, increased demand for electricity,
- In 2023, fuel costs declined causing our relative price position to improve and yielding results in line with historical trends.
- The accounting for fuel revenues and fuel expense did cause some changes in relative price position between Southern and the National Average in 2022 and 2023 as demonstrated below.

EIA Relative Price Position

Total Revenue

÷ Total kWh sales

= c/kWh

Southern Company

Fuel Revenue is set to match Fuel Expense on the income statement.

(any over/under recovery falls to the balance sheet) Therefore, in 2022, rapid fuel expenses impacted our total revenue (and EIA relative price position) greatly and in 2023 we saw that trend reverse.

Some Peer Utilities

Fuel Revenue is set to match Fuel Collection (via fuel cost recovery tariffs) on the income statement.

(any over/under recovery falls to balance sheet) Therefore, in 2022, rapid fuel expenses had less of an impact on total revenue (and EIA relative price position) for some peers. By 2023, as these costs were being passed through via rates some of our peers' relative price were going up as Southern was coming down.

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STF-BAI-1-2

Question:

Please provide Georgia Power's historical marginal energy cost on an hourly basis for the period 2019-2024.

Response:

Please see STF-BAI-1-2 Attachment for the Southern Company associated interchange energy rate ("AIER") on an hourly basis for 2019-2024. Southern Company AIER represents the marginal energy cost for the electric Operating Companies, including Georgia Power, in the Southern Company Pool.

Georgia Power Company
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2025 Integrated Resource Plan and 2025 Demand-Side Management Application
STF-BAI Data Request Set No. 1

STF-BAI-1-3

Question:

Please provide the marginal energy cost output derived from the Aurora model for the Company's MG0 scenario (see page 19 of 2025 IRP Main Document for definition) on an hourly basis for the period 2025-2030.

Response:

See STF-BAI-1-3 Attachment TRADE SECRET.