



July 3, 2023

Mr. Adam J. Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Dear Mr. Teitzman,

Pursuant to Staff's email request dated June 19, 2023, Seminole Electric Cooperative, Inc. hereby submits for electronic filing the response to 2023 Ten-Year Site Plans for Florida's Electric Utilities – Staff's Data Request #3.

Sincerely,

A handwritten signature in blue ink, appearing to read "J.D. Clay", with a long horizontal line extending to the right.

Joseph D. Clay
Manager of Resource Planning and Risk Control
813-739-1435 (office)
jclay@seminole-electric.com

Enclosure

cc: J. Fuller
L. Johnson

- 1) Refer to SEC's 2023 TYSP Schedule 8. Please identify what unit alternatives were considered in the Utility's planning, such as natural gas-fired RICE, simple cycle combustion turbines, combined cycle systems, solar PV, batteries, etc.). For non-traditional sources (solar, batteries), please discuss what firm commitment, if any, SEC allocates to them.

The resource alternatives identified in Seminole's 2023 Ten-Year Site Plan Schedule 8 are generic placeholders reflecting identified future needs and reflect an approximate 30% peaking to 70% intermediate resource mix in their long-term studies forecast. Seminole has created tech pods with the purpose of continuously monitoring technology trends to stay abreast of current research. When Seminole solicits request-for-proposals and performs optimization studies, all economically and operationally viable alternatives to be evaluated will originate these tech pods, including natural gas-fired RICE, simple cycle combustion turbines, combined cycle systems, solar PV, batteries, and any other identified technology.

For PV resources, Seminole assumes 40% of the summer capacity as firm and the remaining as non-firm. Seminole does not consider any of the winter capacity as firm as the peak is assumed to occur in the morning prior to any material solar generation.

For batteries, Seminole assumes 100% of the capacity available at peak for both summer and winter as firm capacity.