

State of Florida



## Public Service Commission

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TALLAHASSEE, FLORIDA 32399-0850

**-M-E-M-O-R-A-N-D-U-M-**

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**DATE:** April 11, 2022  
**TO:** Adam Teitzman, Commission Clerk, Office of Commission Clerk  
**FROM:** Takira Thompson, Engineering Specialist, Division of Engineering *TTT POE LK*  
**RE:** Docket No. 20220000-OT - Undocketed filings for 2022.

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Please file in the above mentioned docket file the attached document, Staff's Data Request #2, which was sent to each of the Ten-Year Site Plan utilities.

TTT/pz

Attachment

**From:** [Patti Zellner](mailto:Patti.Zellner)  
**To:** "[Nanci\\_Nesmith@fpl.com](mailto:Nanci_Nesmith@fpl.com)"; "[mark.bubriski@fpl.com](mailto:mark.bubriski@fpl.com)"; "[Lisa.Roddy@nexteraenergy.com](mailto:Lisa.Roddy@nexteraenergy.com)"; "[Richard.hume@fpl.com](mailto:Richard.hume@fpl.com)"; [Robert Pickels](mailto:Robert.Pickels); [Matthew Bernier](mailto:Matthew.Bernier); "[regdept@tecoenergy.com](mailto:regdept@tecoenergy.com)"; "[fbusot@tecoenergy.com](mailto:fbusot@tecoenergy.com)"; "[MSirianni@tecoenergy.com](mailto:MSirianni@tecoenergy.com)"; "[pkbrown@tecoenergy.com](mailto:pkbrown@tecoenergy.com)"; "[Navid.Nowakhtar@fmpa.com](mailto:Navid.Nowakhtar@fmpa.com)"; "[Chris.Gowder@fmpa.com](mailto:Chris.Gowder@fmpa.com)"; "[Susan.Schumann@fmpa.com](mailto:Susan.Schumann@fmpa.com)"; "[VerschageJB@gru.com](mailto:VerschageJB@gru.com)"; "[fiscml@jea.com](mailto:fiscml@jea.com)"; "[BrowRN@JEA.com](mailto:BrowRN@JEA.com)"; "[landsg@jea.com](mailto:landsg@jea.com)"; "[Shankar.Karki@lakelandelectric.com](mailto:Shankar.Karki@lakelandelectric.com)"; "[Cindy.Clemmons@LakelandElectric.com](mailto:Cindy.Clemmons@LakelandElectric.com)"; "[HFraser@ouc.com](mailto:HFraser@ouc.com)"; "[BradKushner@nFrontConsulting.com](mailto:BradKushner@nFrontConsulting.com)"; "[JDiazgranados@seminole-electric.com](mailto:JDiazgranados@seminole-electric.com)"; "[jclay@seminole-electric.com](mailto:jclay@seminole-electric.com)"; "[Paul.Clark@talgov.com](mailto:Paul.Clark@talgov.com)"  
**Cc:** [Takira Thompson](mailto:Takira.Thompson); [Donald Phillips](mailto:Donald.Phillips); [Phillip Ellis](mailto:Phillip.Ellis); [Laura King](mailto:Laura.King); [Patti Zellner](mailto:Patti.Zellner)  
**Subject:** DN 20220000-OT (Undocketed filings for 2022) Ten-Year Site Plan Review - Staff's Data Request #2 (Nos. 1-18)  
**Date:** Monday, April 11, 2022 2:35:37 PM  
**Attachments:** [2022 TYSP - Data Request #2. \(Nos. 1-18\).pdf](#)  
[2022 TYSP - Data Request #2. \(Nos. 1-18\).docx](#)

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April 11, 2022

Dear Utility Representatives,

This year's Ten-Year Site Plan Review process (TYSP Review) will be led by Donald Phillips and Takira Thompson in the Florida Public Service Commission's (FPSC) Division of Engineering. Contact information is as follows:

Donald Phillips  
Office: (850) 413-6974  
Email: [DPhillip@psc.state.fl.us](mailto:DPhillip@psc.state.fl.us)

Takira Thompson  
Office: (850) 413-6592  
Email: [TThomps@psc.state.fl.us](mailto:TThomps@psc.state.fl.us)

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Attached is Staff's Data Request #2 (in PDF and WORD format). Please submit your responses to this data request to both the FPSC Division of Engineering and the FPSC Office of Commission Clerk by following the instructions below:

Submission to the FPSC Division of Engineering

1. Please email your responses to Donald and Takira by **Monday, May 2, 2022**.
  - a. Please submit all **narrative** and any **non-narrative** (if applicable) responses following their respective questions in a **single Microsoft Word** document, making sure to preserve question order.

Submission to the FPSC Office of Commission Clerk

1. Please convert and combine the responses sent to the FPSC Division of Engineering into a **single PDF** document.
2. Please electronically file this PDF document via the Commission's website no later than **Monday, May 2, 2022**.
  - a. Navigate to [www.floridapsc.com](http://www.floridapsc.com).
  - b. At the top of the page, hover the mouse cursor over the "Clerk's Office" tab.
  - c. Select from the drop-down menu "Electronic Filing Web Form."
  - d. Please complete the form, referencing "Docket No. 20220000-OT."

- e. Attach to the form the PDF created in Step 1 as the “Primary PDF.”
- f. Submit the form.

If you have any questions, please contact Donald Phillips or Takira Thompson.

Sincerely,  
Patti Zellner  
Administrative Assistant  
Division of Engineering  
Phone: (850) 413-6208  
Email: [pzellner@psc.state.fl.us](mailto:pzellner@psc.state.fl.us)

Enclosure

cc: Office of Commission Clerk (20220000-OT – Undocketed filings for 2022)

1. Please refer to NERC's Level 2 Alert, issued August 18, 2021, titled Cold Weather Preparations for Extreme Weather Events. Please indicate what changes, if any, the Utility has implemented or intends to implement to address the recommendations contained within the alert.
2. Please refer to FERC Order Approving Cold Weather Reliability Standards, issued August 24, 2021. Please indicate what changes, if any, the Utility has implemented or intends to implement to address the revisions to the NERC Reliability Standards that become effective April 2023.
3. Please refer to NERC's Project 2021-07: Extreme Cold Weather Grid Operations, Preparedness, and Coordination. Is the Utility a participant in this project? If so, please explain what way.
4. Please refer to the FERC, NERC, and Regional Entity Staff Report: The February 2021 Cold Weather Outages in Texas and the South Central United States (2021 Cold Weather Report), issued November 2021. Please indicate what changes, if any, the Utility has implemented or intends to implement to address the recommended revisions listed below to the NERC Reliability Standards identified in the 2021 Cold Weather Report.
  - a. Identify and protect cold-weather critical components.
  - b. Build all new and retrofit existing units to operate during extreme weather conditions, which include the impact of wind and precipitation.
  - c. Perform annual training on winterization plans. If already incorporated, please provide the most recent winterization plan.
  - d. Develop Corrective Action Plans for any affected generating units.
  - e. Provide the balancing authority the percentage of generating capacity that can be relied upon during forecasted cold weather.
  - f. Account for wind and precipitation when providing temperature data to the balancing authority.
5. Will the Utility's current capacity shortage plan require updating following the revisions to the NERC Reliability Standards that will go into effect April 2023 or the recommended revisions from the 2021 Cold Weather Report? If so, please identify the changes.
6. For your generating units, please and provide the following information:
  - a. Identify any generating unit that has been winterized and describe the winterization activities that have been completed for each.
  - b. Identify any generating unit that still requires winterization and describe the winterization activities to be completed for each.
  - c. Identify any generating units the Utility does not intend to winterize and explain why.

7. Please list and describe all winterization activities the Utility has completed or intends to complete for its natural gas infrastructure. If none, please explain why.
8. Please identify any generating units that have experienced forced outages or derates due to cold weather conditions within the last ten-year period.
  - a. Please explain if these generating units have had corrective action plans developed for the identified equipment. If so, what has been done to evaluate whether the corrective action plan applies to similar equipment for other generating units in the Utility's generating fleet.
9. Please identify each of the Utility's generating units that have dual fuel capabilities. As part of this response, please provide the following for each applicable generating unit.
  - a. Generating unit name and location.
  - b. Net capacity by seasonal peak (Summer/Winter).
  - c. Whether fuel switching derates/uprates the unit (and if so, by what amount).
  - d. Primary and secondary fuel type and sources.
  - e. Number of days the generating unit could operate at full load using the secondary fuel source.
  - f. Amount of time required to switch to secondary fuel.
10. Please identify how many alerts and advisories, due to cold weather, have been issued within the last ten-year period, and describe each event that lead to the issuance of each alert/advisory.
  - a. As part of this response, please indicate whether interruptible/curtailable customers were interrupted during each event, and if so, the duration of the interruption.
11. Please identify the number of times the Utility has had to perform rolling blackouts within the last ten-year period. As part of this response, please provide the reason for each rolling blackout, how many megawatts were impacted, and the duration of each rolling blackout.
12. Please identify the total number of megawatts that can be controlled during rolling blackouts. As part of this response, please describe how this amount was determined, the priorities for interrupting firm load, and provide the anticipated duration between rolling blackouts.
13. Please explain how the Utility coordinates with cogenerators, qualifying facilities, and other non-utility generators during cold weather events to maximize generating capacity. As part of this response, please explain how the Utility determines as-available energy prices if all available Utility assets are already dispatched.

14. Please list each form of communication (such as phone calls, text, utility website, social media, etc.) the Utility uses to inform customers of anticipated cold weather events. As part of this response, please provide a sample of such communications.
15. Please refer to the Florida cold weather event from January 29-31, 2022, and provide the following for each day during the event.
  - a. Anticipated load forecast.
  - b. Anticipated operating reserve (with and without demand response).
  - c. Actual load, and if available, actual operating reserve.
  - d. Amount of customer outages due to cold weather that occurred, if any.
  - e. Amount of generating capacity derated or forced offline due to cold weather, if any. If forced outages occurred, identify each generating unit derated or forced offline, and the cause of the derating or forced outage, if known.
  - f. Whether demand response and/or interruptible/curtailable assets were activated. If so, please identify which programs, the number of customers interrupted, the amount of capacity interrupted, and the frequency of interruptions.
16. Please refer to the Florida cold weather event from January 29-31, 2022. Please explain if any winterization plans were enacted during this time. If so, please describe what activities were involved.
17. Please refer to the NERC 2021-2022 Winter Reliability Assessment, issued November 2021, for the following questions. Please provide load forecast and generation availability data provided to your regional entity for use in NERC's winter reliability assessment. As part of your response, explain how the data was derived and what assumptions were used.
18. **[TECO & FPL Only]** Please identify and describe any actions undertaken to encourage adoption of natural gas heating over electric resistance (strip) heating. If no actions have been taken, please explain why.