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FPL's Response to Staff's Fifth Request for Production of Documents Nos. 17-24.

QUESTION:
Please provide MFR Schedule F-7 in electronic format (Excel), for all Consolidated and Standalone forecasts presented therein.

RESPONSE:
For MFR Schedule F-7 in electronic format (Excel) please see attached folders “MFR F-7 FPL Consolidated”, “MFR F-7 FPL Standalone”, and “MFR F-7 Gulf Standalone”.

QUESTION:
Please provide all data sources for each independent variable appearing in MFR Schedule F-5 (Document No. 29 of 69), as well as an explanation for how each source was selected.

RESPONSE:
The source of FPL's hourly weather data is Weather Services International (WSI). WSI data is based on the official weather observations from NOAA/National Weather Service (NWS). WSI is part of The Weather Company, an IBM Business which provides the world's leading technology platforms and services leveraging weather and related data.

The source of the economic data is IHS Markit. IHS Markit is a recognized industry expert who has consistently provided objective and reliable economic projections.

The source of the Codes & Standards impacts is Itron. A more detailed description of this data source is provided in Staff's Fifth Set of Interrogatories, No. 110.

Please refer to FPL's Supplemental response to OPC's First Request for Production of Documents No. 35, in the following subfolders and/or files:

For FPL
Customers
Load Forecasting\Customers\inputs
Usage
Load Forecasting\Energy\Usage Models\metrix_inputs
Peaks
Load Forecasting\Peaks\2021 LT Inputs-Seasonal Peaks.xlsx

For Gulf
Customers
Load Forecasting\Customers\gulf\inputs
Usage
Load Forecasting\Energy\Usage Models\Gulf\gulf_metrix_inputs
Peaks
Load Forecasting\Peaks\Input data for Seasonal Peak Forecast.xlsx

QUESTION:
Please provide, in electronic format (Excel), the statistical output resulting from estimating each econometric equation used to project standalone FPL and standalone Gulf's 2022 and 2023 customer, energy sales, and demand forecasts appearing in MFR Schedule F-5 (Document No. 29 of 69).

RESPONSE:
Please refer to FPL's Supplemental response to OPC's First Request for Production of Documents No. 35, in the subfolder Load Forecasting\Models.

QUESTION:
Please provide the model, data, assumptions, and calculations in electronic format (Excel) underlying each FPL-sourced forecasted independent variable for each model appearing in MFR Schedule F-5 (Document No. 29 of 69).

RESPONSE:
Please refer to FPL's Supplemental response to OPC's First Request for Production of Documents No. 35, in the following subfolders:

- Load Forecasting\Customers
- Load Forecasting\Energy\Usage Models

QUESTION:
Please provide all data, data sources, assumptions, and calculations in electronic format (Excel) of all out-of-model adjustments made to each model with adjustments appearing in MFR Schedule F-7 (Consolidated and Standalone).

RESPONSE:
For Gulf private solar forecast, please see attached file, "Gulf Private Solar forecast 20200920 (updated with Q3 WoodMac data) Rev Peaks."

For additional responsive documents, please refer to FPL's supplemental response to OPC's First Request for Production of Documents No. 35, in the following subfolders:

- Load Forecasting\Energy\Usage Models\energy_build

- Load Forecasting\Energy\Usage Models\Gulf\gulf_energy_build

Specifically, see the files listed below:

FPL
2020 Private Solar forecast 20200910 v4
2021 TYSP Forecasted in 2020 EV Outlook 8.13.20
DSM Energy Savings 2019-2029 Based on 2014 goals
EDR CISR Forecast Sep 2019 – Dec 2025 – Final – Jul 2020 – CONFIDENTIAL.

Gulf
2021 TYSP Forecasted in 2020 EV Outlook 8.13.20
2021 DSM energy adjustment

QUESTION:
Please provide documents containing disaggregated county-level data of population/number of households in electronic format (Excel) used for purposes of preparing Schedule MFR F-7 forecasts, if any, as well as the data source FPL utilized in this instant case.

RESPONSE:
Forecast were provided by IHS Markit.

See the following files located in the subfolder *Load Forecasting\Models\Customers\gulf\inputs* provided in FPL's Supplemental Response to OPC's First Request for Production of Documents No. 35:

1. *ihs_forecast_nwfl.xlsx*
2. *ihs_forecast_fla.xlsx*

QUESTION:
Please provide, in electronic format (Excel, with cells unlocked and formulas intact), FPL's weather normalization calculations used to derive the weather data appearing in MFR Schedule F-7.

RESPONSE:
See the files in the folders listed below that were provided in FPL's Supplemental Response to OPC's First Request for Production of Documents No. 35:

1. *Load Forecasting\Models\Usage Models\inputs\metrix_input_v3.xslx*

2. *Load Forecasting\Models\UsageModels\Gulf\gulf_metrix_inputs\metrix_input_Gulf_B2021.xslx*

Weather normalization is computed on tab *weather.*

QUESTION:
Please provide any relevant documentation in the Company's possession supporting the use of a 20-year average as "normal weather" as opposed to other options.

RESPONSE:
The Company has extensive history using 20-year normal weather for load forecasting and 20-year normal weather is a widely used industry practice. Additional information regarding the use of 20-year normal weather was provided in the Company's response to OPC's Fourth Set of Interrogatories No. 161 and OPC's Fourth Request for Production of Documents No. 88.