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Public Service Commission

December 11, 2018

Mr. Andrew M. Brown
Macfarlane Ferguson & McMullen
Post Office Box 1531
Tampa, Florida 33601-1531
Ab@macfar.com

**STAFF'S FIRST DATA REQUEST
VIA EMAIL & US MAIL**

Re: Docket No. 20180186-GU – Petition for approval of demand side management goals and residential customer assisted and commercial walk-through energy audit programs, by Peoples Gas System.

Dear Mr. Brown:

Please provide a response to the following questions regarding Peoples Gas System's (PGS) above referenced petition to the Office of Commission Clerk, 2540 Shumard Oak Blvd., Tallahassee, FL 32399-0850, by January 14, 2019.

1. Please refer to Bates Stamp Page (BSP) 1 of the petition. Please rectify the discrepancy between the phrase "the company's tariff sheets for these programs attached" and the availability of the tariff sheets.

Please refer to Exhibit "A" of the petition when answering the following questions.

2. Please refer to BSP 12. Please provide a yearly and per-sector breakdown of projected site energy consumption for the years 2019-2028 in Microsoft Excel format with formulas intact.
3. Please refer to BSP 17. PGS indicates that "[t]he numerical DSM goals proposed for the ten-year period (2019-2028) are based upon PGS's most recent load and customer forecast planning process."
 - a. Did PGS use these load and customer forecasts in developing its projection of customer site energy consumption presented on BSP 12? If not, please explain.
 - b. Did PGS use these load and customer forecasts in developing its Technical Potential presented on BSP 14? If not, please explain.
 - c. Did PGS use these load and customer forecasts in developing its Achievable Potential presented on BSP 16? If not, please explain.

4. If the responses to Question Nos. 3(a) and 3(b) are affirmative, please answer the following questions:
 - a. Please describe, in detail, how the load and customer forecasts used in both the projection of customer site energy consumption and the derivation of the Technical Potential are developed. Please also discuss the selection of independent variables and functional forms, as well as any underlying assumptions used.
 - b. Please describe the sensitivity analyses, if any, performed on the above-discussed forecasts and provide the relevant results.
 - c. Please identify all the Commission dockets in which the same/similar load and customer forecasts have been used.
 - d. Please specify the change/improvement, if any, made to the forecasts since their last use in a Commission docket(s).
 - e. Please provide a detailed description of how the above-discussed forecasts were used in the projection of customer site energy consumption, presented on BSP 12, and the development of the Technical Potential, presented on BSP 14.
5. If the response to Question No. 3(c) is affirmative, please answer the following questions:
 - a. Please describe, in detail, how the load and customer forecasts used are developed. Please also discuss the selection of independent variables and functional forms, as well as any underlying assumptions used.
 - b. Please describe the sensitivity analyses, if any, performed on the above-discussed forecasts and provide the relevant results.
 - c. Please identify all the Commission dockets in which the same/similar load and customer forecasts have been used.
 - d. Please specify the change/improvement, if any, made to the forecasts since their last use in a Commission docket(s).
 - e. Please provide a detailed description of how the above-discussed forecasts were used in the development of the Available Potential, presented on BSP 16.
6. Please provide all worksheets showing the development of the load and customer forecasts discussed in Question Nos. 4-5 above in Microsoft Excel format with links and formulas intact.
7. Please refer to BSP 24-25.
 - a. Please explain why residential customer consumption is expected to remain fairly constant over the 2019-2028 period.

- b. Please explain why commercial customer consumption is expected to decline over the 2019-2028 period.
 - c. Please explain why industrial customer consumption is expected to increase over the 2019-2028 period.
 - d. Please identify and describe the industries to which each of PGS's 62 industrial customers belong.
8. Please refer to BSP 20-22.
 - a. Please discuss how these measures were identified for inclusion in the Technical Potential.
 - b. Please provide a description of each of these measures and identify how each yield therm savings over their respective baselines.
9. Please refer to BSP 26-66 and 69-77. Please provide the calculations supporting the measure savings determinations in Microsoft Excel format with formulas intact.
10. Please discuss how measure development and therm savings analysis account for measure implementation in different dwellings (e.g. single-family, multi-family, and mobile home). Please provide any supporting technical analysis in Microsoft Excel format with formulas intact.
11. Please discuss and provide an example of how PGS accounted for measure interaction and overlapping effects. Please provide any supporting technical analysis in Microsoft Excel format with formulas intact.
12. Please discuss and provide an example of how PGS accounted for potential rebound effects. Please provide any supporting technical analysis in Microsoft Excel format with formulas intact.
13. Please refer to BSP 14-15.
 - a. Please provide a breakdown of Technical Potential contribution by energy usage category and customer segment, in a similar format to those seen on BSP 14, following the removal of those natural gas fired cogeneration and interruptible customers which were removed from the applicable population toward the Achievable Potential.
 - b. Please list those natural gas fired cogeneration and interruptible customers which were removed from the applicable population toward the Achievable Potential and identify the respective Technical Potential savings attributed to each customer.
14. Please refer to the table found on BSP 16 titled "Peoples Gas System 2019-2028 Achievable Potential." Please provide a table in a similar format with residential, commercial, industrial, and combined potential savings reported separately.

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15. Please refer to BSP 31-32. Please explain what accounts for the differences in applicable populations between the "Residential Gas Pool Heater," "Residential Solar Water Pool Heater," and "Residential Insulating Pool Cover" measures.

Please refer to Exhibit "B" of the petition when answering the following questions.

16. Please refer to BSP 79. Please discuss the assumptions and calculations supporting the projected \$10 per audit administrative costs for the Residential Customer Assisted Energy Audit. Please provide any supporting technical analysis in Microsoft Excel format with formulas intact.

17. Will this program be directly marketed to residential customers? If so, please describe how.

Please refer to Exhibit "C" of the petition when answering the following questions.

18. Please refer to BSP 83. Please discuss the assumptions and calculations supporting the projected \$180 per audit administrative costs for the Commercial Walk-Through Energy Audit. Please provide any supporting technical analysis in Microsoft Excel format with formulas intact.

19. Will this program be directly marketed to commercial customers? If so, please describe how.

Please contact me by phone at (850) 413-6682 or by email at dwright@psc.state.fl.us, if you have any questions.

Sincerely,



Douglas Wright
Engineering Specialist
Florida Public Service Commission
Division of Engineering

DW:jp

cc: Office of Commission Clerk (Docket No. 20180186-GU)