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April 29, 2011

VIA HAND DELIVERY

Ms. Ann Cole, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: *Petition for approval of negotiated purchase power contract with Trans World Energy LLC by Progress Energy Florida, Inc.; Docket No. 110047-EQ*

Dear Ms. Cole:

Please find enclosed for filing on behalf of Progress Energy Florida, Inc. ("PEF") the original and five (5) copies of PEF's responses to Staff's Data Request No. 3 in the above referenced docket.

Thank you for your assistance in this matter. Please call me at (727) 820-5184 should you have any questions.

Sincerely,

John T. Burnett
John T. Burnett

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PROGRESS ENERGY FLORIDA, INC.'S RESPONSES TO STAFF DATA REQUEST NO. 3
DOCKET NO. 110047-EQ

Q1. In PEF's responses to Staff Data Request No. 1, PEF provided Staff an Attachment C in response to Q18. Following the model set forth in that response, please provide staff the appropriate calculations using the 2011 Ten Year Site Plan fuel price forecast.

Response: Please see Attachment A.

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Comparison of Payments to Trans World vs. PEF's 2011 Standard Offer

Discount Rate of 6.75%

| Dollars in \$000 | NPV | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 |
|----------------------------------|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Base Fuel: | | | | | | | | | | | | | | | | | | | | | | |
| NPV of Payments to Trans World | \$ 195,656 | | | | | | | | | | | | | | | | | | | | | |
| NPV of Avoided Capacity Costs | \$ 15,004 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 884 | \$ 1,449 | \$ 1,384 | \$ 1,323 | \$ 1,264 | \$ 1,207 | \$ 1,154 | \$ 1,102 | \$ 1,053 | \$ 1,006 | \$ 962 | \$ 919 | \$ 878 | \$ 419 |
| NPV of Avoided Energy Costs | \$ 209,105 | \$ 7,285 | \$ 14,080 | \$ 14,132 | \$ 14,357 | \$ 14,013 | \$ 13,443 | \$ 13,965 | \$ 12,799 | \$ 11,026 | \$ 9,959 | \$ 8,254 | \$ 8,473 | \$ 8,984 | \$ 8,465 | \$ 8,297 | \$ 8,124 | \$ 7,758 | \$ 7,734 | \$ 7,495 | \$ 7,278 | \$ 3,183 |
| NPV of Net Benefit (Cost) | \$ 28,453 | | | | | | | | | | | | | | | | | | | | | |
| High Fuel - 15% Increase: | | | | | | | | | | | | | | | | | | | | | | |
| NPV of Payments to Trans World | \$ 195,656 | | | | | | | | | | | | | | | | | | | | | |
| NPV of Avoided Capacity Costs | \$ 15,004 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 884 | \$ 1,449 | \$ 1,384 | \$ 1,323 | \$ 1,264 | \$ 1,207 | \$ 1,154 | \$ 1,102 | \$ 1,053 | \$ 1,006 | \$ 962 | \$ 919 | \$ 878 | \$ 419 |
| NPV of Avoided Energy Costs | \$ 240,471 | \$ 8,378 | \$ 16,192 | \$ 16,252 | \$ 16,511 | \$ 16,115 | \$ 15,459 | \$ 16,060 | \$ 14,719 | \$ 12,680 | \$ 11,453 | \$ 9,492 | \$ 9,744 | \$ 10,332 | \$ 9,735 | \$ 9,542 | \$ 9,342 | \$ 8,922 | \$ 8,894 | \$ 8,619 | \$ 8,370 | \$ 3,660 |
| NPV of Net Benefit (Cost) | \$ 59,819 | | | | | | | | | | | | | | | | | | | | | |
| Low Fuel - 15% Decrease: | | | | | | | | | | | | | | | | | | | | | | |
| NPV of Payments to Trans World | \$ 195,656 | | | | | | | | | | | | | | | | | | | | | |
| NPV of Avoided Capacity Costs | \$ 15,004 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 884 | \$ 1,449 | \$ 1,384 | \$ 1,323 | \$ 1,264 | \$ 1,207 | \$ 1,154 | \$ 1,102 | \$ 1,053 | \$ 1,006 | \$ 962 | \$ 919 | \$ 878 | \$ 419 |
| NPV of Avoided Energy Costs | \$ 177,740 | \$ 6,192 | \$ 11,968 | \$ 12,013 | \$ 12,203 | \$ 11,911 | \$ 11,426 | \$ 11,871 | \$ 10,879 | \$ 9,372 | \$ 8,465 | \$ 7,016 | \$ 7,202 | \$ 7,636 | \$ 7,195 | \$ 7,053 | \$ 6,905 | \$ 6,594 | \$ 6,574 | \$ 6,371 | \$ 6,186 | \$ 2,705 |
| NPV of Net Benefit (Cost) | \$ (2,912) | | | | | | | | | | | | | | | | | | | | | |

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