

PROGRESS ENERGY FLORIDA
In re: Nuclear Cost Recovery Clause
Docket 100009-EI
Twentieth Request for Confidential Classification

Exhibit B

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EPSC-CONFIDENTIAL

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| All Gas Plan - CRA Carbon Prices - 6.75% Utility Discount Rate | | | | | | |
|--|--|--|-------------------------|----------------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | Retail RRs Driven by Capital Costs for Gas Units (\$000) | Retail RRs Driven by Canceling LNP in 2010 (\$000) | Fuel Retail RRs (\$000) | Environmental Retail RRs (\$000) | Other Retail RRs (\$000) | Total Retail RRs (\$000) |
| 2010 | - | 200,939 | 1,406,713 | 40,720 | 691,102 | 2,339,474 |
| 2011 | - | | 1,363,374 | 59,092 | 674,424 | |
| 2012 | - | | 1,435,246 | 514,018 | 745,174 | |
| 2013 | - | | 1,492,884 | 554,328 | 745,821 | |
| 2014 | - | | 1,618,083 | 571,925 | 668,620 | |
| 2015 | - | | 1,765,923 | 604,991 | 680,433 | 3,051,348 |
| 2016 | - | | 1,856,155 | 639,653 | 623,631 | 3,119,439 |
| 2017 | - | | 2,046,836 | 693,202 | 607,007 | 3,347,045 |
| 2018 | - | | 2,215,647 | 730,171 | 638,079 | 3,583,897 |
| 2019 | 86,208 | | 2,376,277 | 793,952 | 697,826 | 3,954,263 |
| 2020 | 142,884 | | 2,429,237 | 840,376 | 742,586 | 4,155,083 |
| 2021 | 258,909 | | 2,769,644 | 842,159 | 842,150 | 4,712,861 |
| 2022 | 346,694 | | 2,766,582 | 898,174 | 899,121 | 4,910,570 |
| 2023 | 343,152 | | 2,867,093 | 965,334 | 933,047 | 5,108,626 |
| 2024 | 425,795 | | 3,028,249 | 1,017,551 | 837,217 | 5,308,813 |
| 2025 | 490,077 | | 3,216,530 | 1,106,205 | 740,874 | 5,553,687 |
| 2026 | 500,244 | | 3,368,261 | 1,196,567 | 669,990 | 5,735,061 |
| 2027 | 598,086 | | 3,683,329 | 1,275,681 | 708,795 | 6,265,892 |
| 2028 | 750,649 | | 3,670,022 | 1,352,323 | 761,129 | 6,534,123 |
| 2029 | 794,265 | | 3,850,763 | 1,500,304 | 801,188 | 6,946,520 |
| 2030 | 764,603 | | 4,021,360 | 1,571,545 | 824,963 | 7,182,470 |
| 2031 | 735,598 | | 4,278,128 | 1,708,304 | 853,380 | 7,575,410 |
| 2032 | 821,265 | | 4,496,078 | 1,659,541 | 948,341 | 7,925,226 |
| 2033 | 868,213 | | 4,827,123 | 1,786,175 | 1,008,356 | 8,489,868 |
| 2034 | 833,755 | | 5,026,173 | 1,801,306 | 1,038,919 | 8,700,153 |
| 2035 | 799,789 | | 5,333,923 | 1,930,462 | 1,072,695 | 9,136,869 |
| 2036 | 887,047 | | 5,588,030 | 2,031,830 | 1,142,356 | 9,649,263 |
| 2037 | 1,059,658 | | 6,648,879 | 2,488,278 | 1,281,685 | 11,478,500 |
| 2038 | 1,103,198 | | 6,899,435 | 2,673,373 | 1,336,129 | 12,012,135 |
| 2039 | 1,075,562 | | 7,215,809 | 2,879,507 | 1,358,533 | 12,529,411 |
| 2040 | 1,043,230 | | 7,424,459 | 3,056,300 | 1,391,808 | 12,915,797 |
| 2041 | 999,231 | | 7,658,499 | 3,292,004 | 1,422,335 | 13,372,068 |
| 2042 | 956,888 | | 7,900,437 | 3,536,984 | 1,452,857 | 13,847,166 |
| 2043 | 915,542 | | 8,132,030 | 3,784,272 | 1,482,900 | 14,314,743 |
| 2044 | 989,320 | | 8,385,012 | 4,046,380 | 1,513,286 | 14,933,998 |
| 2045 | 1,024,945 | | 8,679,364 | 4,271,463 | 1,549,421 | 15,525,193 |
| 2046 | 1,140,812 | | 8,928,888 | 4,650,788 | 1,580,631 | 16,301,118 |
| 2047 | 1,219,757 | | 9,171,706 | 5,031,710 | 1,612,449 | 17,035,622 |
| 2048 | 1,180,364 | | 9,463,500 | 5,413,803 | 1,646,770 | 17,704,437 |
| 2049 | 1,256,920 | | 9,736,731 | 5,811,488 | 1,679,052 | 18,484,191 |
| 2050 | 1,309,738 | | 10,058,785 | 6,088,927 | 1,721,454 | 19,178,904 |

- Notes: (1) This projection assumes instantaneous adjustment to electric rates and is for illustrative purposes only. These numbers are not intended to represent the all in future total revenue requirements but rather for use in illustrating the estimated forward looking revenue requirement differences between two different generation plan alternatives.
- (2) This run is based on the mid-reference fuel case. Fuel Savings comparison provided in response to OPC ROG 3 Q47 assumed no carbon costs.
- (3) Simplifying assumptions were made regarding assets placed in-service for the purposes of calculating these estimates. Base Rate estimates were calculated for the year following the date the assets were placed in-service for items going in service in December of a given year.
- (4) Column (1) was jurisdictionalized to a retail level based on a projected nominal plant and transmission cost ratio for gas fired generation.
- (5) Columns (1) thru (5) were jurisdictionalized to a retail level based on the projected sales from PEF's Rate Case Docket No. 090079-EI.
- (6) The balance in Column (2) represents the estimated costs associated with cancelling the LNP consistent with testimony provided in this Docket. These amounts include costs that were approved reasonable, but not yet collected. A cancellation payment due to the vendor is also included in this revenue requirement. Based on Rule 25-6.0423 (6)(a), these costs will be recovered over a 5-year period and earn a return on any uncollected investment consistent with Rule 25-6.0423 (6)(b).

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Economic Analysis Results: Projection of Approximate Rate Impact of Levy 1 & 2 Project

Scenario: Mid-reference fuel case

| Year | (1) Resource Plan with Nuclear Annual Total Retail Revenue Requirements (\$millions, Nominal \$) | (2) Resource Plan without Nuclear Annual Total Retail Revenue Requirements (\$millions, Nominal \$) | (3) = (1) - (2) Differential in Annual Total Retail Revenue Requirements (\$millions, Nominal \$) | (4) Projected Total Retail Sales (GWH) | (5) = (3) / (4) Differential in Retail Average Electric Rates (\$/1000 kWh) |
|-------|---|---|---|---|--|
| 2010 | 2,339,474 | 2,339,474 | 0 | 36,311 | 0.00 |
| 2011 | 2,244,570 | | | 36,328 | |
| 2012 | 2,772,296 | | | 36,911 | |
| 2013 | 3,041,396 | | | 38,208 | |
| 2014 | 3,604,150 | | | 38,471 | |
| 2015 | 3,317,194 | 3,051,348 | 265,846 | 38,763 | 6.86 |
| 2016 | 3,612,664 | 3,119,439 | 493,225 | 39,115 | 12.61 |
| 2017 | 4,136,013 | 3,347,045 | 788,967 | 39,524 | 19.96 |
| 2018 | 4,650,276 | 3,583,897 | 1,066,379 | 40,021 | 26.65 |
| 2019 | 5,339,224 | 3,954,263 | 1,384,961 | 40,489 | 34.21 |
| 2020 | 5,733,247 | 4,155,083 | 1,578,164 | 41,009 | 38.48 |
| 2021 | 5,917,417 | 4,712,861 | 1,204,555 | 41,537 | 29.00 |
| 2022 | 5,965,838 | 4,910,570 | 1,055,268 | 42,014 | 25.12 |
| 2023* | 5,509,858 | 5,108,626 | 401,232 | 42,528 | 9.43 |
| 2024 | 5,439,249 | 5,308,813 | 130,437 | 43,079 | 3.03 |
| 2025 | 5,465,697 | 5,553,687 | (87,989) | 43,501 | (2.02) |
| 2026 | 5,474,330 | 5,735,061 | (260,731) | 44,088 | (5.91) |
| 2027 | 5,844,405 | 6,265,892 | (421,487) | 44,685 | (9.43) |
| 2028 | 6,027,848 | 6,534,123 | (506,275) | 45,284 | (11.18) |
| 2029 | 6,337,583 | 6,946,520 | (608,937) | 45,882 | (13.27) |
| 2030 | 6,454,945 | 7,182,470 | (727,525) | 46,487 | (15.65) |
| 2031 | 6,812,390 | 7,575,410 | (763,019) | 50,236 | (15.19) |
| 2032 | 7,009,261 | 7,925,226 | (915,965) | 50,884 | (18.00) |
| 2033 | 7,348,089 | 8,489,868 | (1,141,779) | 51,542 | (22.15) |
| 2034 | 7,421,818 | 8,700,153 | (1,278,335) | 52,212 | (24.48) |
| 2035 | 7,724,253 | 9,136,869 | (1,412,615) | 52,892 | (26.71) |
| 2036 | 8,112,643 | 9,649,263 | (1,536,620) | 53,584 | (28.68) |
| 2037 | 9,822,950 | 11,478,500 | (1,655,550) | 54,286 | (30.50) |
| 2038 | 10,259,844 | 12,012,135 | (1,752,291) | 55,000 | (31.86) |
| 2039 | 10,666,080 | 12,529,411 | (1,863,332) | 55,726 | (33.44) |
| 2040 | 10,929,370 | 12,915,797 | (1,986,427) | 55,726 | (35.65) |
| 2041 | 11,251,627 | 13,372,068 | (2,120,441) | 55,726 | (38.05) |
| 2042 | 11,576,784 | 13,847,166 | (2,270,382) | 55,726 | (40.74) |
| 2043 | 11,893,311 | 14,314,743 | (2,421,432) | 55,726 | (43.45) |
| 2044 | 12,349,801 | 14,933,998 | (2,584,197) | 55,726 | (46.37) |
| 2045 | 12,802,530 | 15,525,193 | (2,722,663) | 55,726 | (48.86) |
| 2046 | 13,224,503 | 16,301,118 | (3,076,615) | 55,726 | (55.21) |
| 2047 | 13,706,669 | 17,035,622 | (3,328,953) | 55,726 | (59.74) |
| 2048 | 14,184,359 | 17,704,437 | (3,520,078) | 55,726 | (63.17) |
| 2049 | 14,636,936 | 18,484,191 | (3,847,255) | 55,726 | (69.04) |
| 2050 | 15,058,175 | 19,178,904 | (4,120,729) | 55,726 | (73.95) |

* Both new nuclear units are assumed in-service for full-year operation starting in 2023

- Notes:
- (1) This projection assumes instantaneous adjustment to electric rates and is for illustrative purposes only. These numbers are not intended to represent the all in future total revenue requirements but rather for use in illustrating the estimated forward looking revenue requirement differences between two different generation plan alternatives.
 - (2) Simplifying assumptions were made regarding assets placed in-service for the purposes of calculating these estimates. Base Rate estimates were calculated for the year following the date the assets were placed in-service for items going in service in December of a given year.
 - (3) Column (1) assumes Levy project life beyond 2050, although impact not illustrated.
 - (4) Column (2) assumes Levy cancelled in June of 2010.
 - (5) The revenue requirements presented above reflect the Rate Management Plan as proposed in Docket 100009-EI.
 - (6) Retail sales were obtained from the January 2010 sales forecast – 20 year weather normalization. Sales were projected 2011-2030, an escalator was applied to project 2031-2039 sales. Sales were held constant beyond 2039.