

FLORIDA PUBLIC UTILITIES
 FINAL FUEL AND PURCHASED POWER OVER/(UNDER) RECOVERY
 FOR THE PERIOD
 JANUARY 2016 THROUGH DECEMBER 2016

CONSOLIDATED ELECTRIC DIVISION

| | |
|---|----------------------------------|
| 1 JURISDICTIONAL FUEL COSTS (INCL. ALL ADJUSTMENTS) | \$ 64,237,408 |
| 2 JURISDICTIONAL FUEL REVENUES APPLICABLE TO THE PERIOD | <u>62,151,620</u> |
| 3 ACTUAL OVER/(UNDER) RECOVERED FUEL COSTS FOR THE PERIOD | (2,085,788) |
| 4 ADJUSTMENTS (INCL. REVENUE REFUND TRUE-UP ADJUSTMENT) | (1,582,152) |
| 5 INTEREST | (9,745) |
| 6 TRUE-UP COLLECTED | 1,582,152 |
| 7 PRIOR PERIOD TRUE-UP (ACTUAL ENDING 12/15) | <u>(1,610,257)</u> |
| 8 ACTUAL OVER/(UNDER) RECOVERY FOR THE PERIOD (LINE 3 + LINE4 + LINE5 + LINE6 + LINE7) | (3,705,790) |
| 9 PROJECTED UNDER-RECOVERY PER PROJECTION FILED 9/1/16 | <u>(1,289,892)</u> |
| 10 FINAL FUEL OVER/(UNDER) RECOVERY (LINE 8 - LINE 9) | <u><u>(2,415,898)</u></u> |

FLORIDA PUBLIC UTILITIES COMPANY
CALCULATION OF PURCHASED POWER COSTS AND CALCULATION OF TRUE-UP AND INTEREST PROVISION-EXCLUDING GSLD1
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2016 THROUGH DECEMBER 2016
BASED ON TWELVE MONTHS ACTUAL
(EXCLUDES LINE LOSS, EXCLUDES TAXES)

Schedule C1
 Exhibit No. _____
 DOCKET NO. 170001-EI
 Florida Public Utilities Company
 (CDY - 1)
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CONSOLIDATED ELECTRIC

| | 2016 | | | | | | | | | | | | Total |
|---|----------------|-----------------|--------------|--------------|------------|-------------|-------------|---------------|------------------|----------------|-----------------|-----------------|-------------|
| | ACTUAL JANUARY | ACTUAL FEBRUARY | ACTUAL MARCH | ACTUAL APRIL | ACTUAL MAY | ACTUAL JUNE | ACTUAL JULY | ACTUAL AUGUST | ACTUAL SEPTEMBER | ACTUAL OCTOBER | ACTUAL NOVEMBER | ACTUAL DECEMBER | |
| Total System Sales - KWH | 53,893,217 | 51,683,075 | 45,119,750 | 43,174,769 | 45,403,697 | 61,225,524 | 64,403,225 | 66,564,970 | 66,810,209 | 59,218,206 | 45,382,276 | 42,818,919 | 645,697,836 |
| ROCKTENN Purchases - KWH | 6,110,101 | 658,665 | 940,968 | 1,124,180 | 1,410,517 | 1,432,657 | 956,471 | 1,183,438 | 1,026,757 | 1,278,635 | 847,899 | 1,528,686 | 13,397,656 |
| Rayonier Purchases - KWH - On Peak | 13,717 | 49,214 | 21,965 | 72,629 | 49,014 | 30,936 | 52,830 | 18,644 | 28,294 | 172 | 451,447 | 522,746 | 1,311,048 |
| Rayonier Purchases - KWH - Off Peak | 24,430 | 117,881 | 16,889 | 163,834 | 30,567 | 54,617 | 158,092 | 54,753 | 41,577 | (935) | 684,407 | 650,819 | 1,996,931 |
| Eight Flags Purchases - KWH | | | | | | 2,959,000 | 12,948,440 | 13,832,224 | 7,956,756 | 13,867,511 | 15,065,879 | 14,270,445 | 80,900,255 |
| JEA Purchases - KWH | 31,019,771 | 25,816,385 | 23,052,511 | 22,575,281 | 28,053,849 | 31,490,116 | 25,174,505 | 24,360,597 | 24,175,590 | 16,327,848 | 6,894,785 | 5,676,996 | 266,418,233 |
| Gulf Purchases - KWH | 27,628,571 | 23,343,210 | 21,801,748 | 21,366,561 | 25,986,698 | 30,120,479 | 32,703,259 | 32,617,545 | 28,991,399 | 24,623,511 | 22,301,083 | 24,087,902 | 315,581,966 |
| System Purchases - TOTAL PURCHASES | 251,119 | 248,666 | 245,165 | 244,072 | 243,230 | 244,599 | 124,694 | 244,920 | 242,037 | 245,159 | 241,020 | 242,339 | 2,817,010 |
| Southern Billing Demand - JEA KW | 82,342 | 75,040 | 49,414 | 54,208 | 62,227 | 75,174 | 72,083 | 74,882 | 65,005 | 57,747 | 52,864 | 35,256 | 756,044 |
| System Billing Demand - Gulf KW | 91,000 | 91,000 | 91,000 | 91,000 | 91,000 | 91,000 | 91,000 | 91,000 | 91,000 | 91,000 | 91,000 | 91,000 | 1,092,000 |
| Peak Billing Demand - Gulf KW | 57,572 | 56,605 | 55,545 | 55,215 | 54,940 | 55,276 | 55,375 | 55,149 | 54,217 | 54,238 | 54,122 | 54,633 | 662,887 |
| DEMAND-KW (network load) JEA TRANS | 101,339 | 103,904 | 80,927 | 83,024 | 86,673 | 106,737 | 90,478 | 102,071 | 83,272 | 86,488 | 71,022 | 76,302 | 1,082,237 |
| Purchased Power Rates: | | | | | | | | | | | | | |
| RockTenn Fuel Costs - \$/KWH | 0.04426 | 0.03731 | 0.03731 | 0.03731 | 0.03731 | 0.03731 | 0.03731 | 0.03731 | 0.03731 | 0.03731 | 0.03731 | 0.03731 | 0.03731 |
| Rayonier - Energy Charge - On Peak - \$/KWH | 0.04563 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 |
| Rayonier - Energy Charge - Off Peak - \$/KWH | 0.04563 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 | 0.03846 |
| JEA Base Fuel Costs - \$/KWH | 0.04360 | 0.03675 | 0.03675 | 0.03675 | 0.03675 | 0.03675 | 0.03675 | 0.03675 | 0.03675 | 0.03675 | 0.03675 | 0.03675 | 0.03675 |
| JEA Energy Charge - \$/KWH | 0.01162 | 0.01162 | 0.01162 | 0.01162 | 0.01162 | 0.01162 | 0.01162 | 0.01162 | 0.01162 | 0.01162 | 0.01162 | 0.01162 | 0.01162 |
| JEA Demand and Non-Fuel: | | | | | | | | | | | | | |
| Demand Charge - \$/KW | 14.31 | 14.31 | 14.31 | 14.31 | 14.31 | 14.31 | 14.31 | 14.31 | 14.31 | 14.31 | 14.31 | 14.31 | 14.31 |
| Distribution Facilities Charge - \$ | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 |
| Transmission Charge \$/KW | 1.51000 | 1.51000 | 1.51000 | 1.51000 | 1.51000 | 1.51000 | 1.51000 | 1.51000 | 1.51000 | 1.51000 | 1.51000 | 1.51000 | 1.51000 |
| Gulf Energy Environment Line Loss Fctr. 0.974 | 0.05648 | 0.05648 | 0.05648 | 0.05648 | 0.05648 | 0.05648 | 0.05648 | 0.05648 | 0.05648 | 0.05648 | 0.05648 | 0.05648 | 0.05648 |
| Gulf Fuel Demand and Non-Fuel: | | | | | | | | | | | | | |
| Capacity Charge \$/KW | 11.15000 | 11.15000 | 11.15000 | 11.15000 | 11.15000 | 11.15000 | 11.15000 | 11.15000 | 11.15000 | 11.15000 | 11.15000 | 11.15000 | 11.15000 |
| Transmission and Interconnection | 2.73760 | 2.60911 | 2.60911 | 2.60911 | 2.60911 | 2.60911 | 2.60911 | 2.60911 | 2.60911 | 2.60911 | 2.60911 | 2.60911 | 2.60911 |
| Purchased Power Costs: | | | | | | | | | | | | | |
| RockTenn Fuel Costs | 35,895 | 31,475 | 35,108 | 41,942 | 52,626 | 53,452 | 35,686 | 44,154 | 38,309 | 47,630 | 31,628 | 57,035 | 504,940 |
| Rayonier Standby Costs | 1,741 | 6,427 | 1,496 | 9,080 | 3,061 | 3,291 | 8,104 | 2,823 | 2,687 | (29) | 49,824 | 76,844 | 165,348 |
| Eight Flags Costs | | | | | | 768,495 | 1,037,451 | 1,076,063 | 662,280 | 1,109,936 | 1,151,494 | 1,156,711 | 7,002,430 |
| Gulf Base Fuel Costs | 1,602,117 | 1,353,619 | 1,264,233 | 1,238,997 | 1,507,488 | 1,746,617 | 1,895,386 | 1,891,416 | 1,681,144 | 1,427,860 | 1,293,188 | 1,396,802 | 18,299,867 |
| JEA Base Fuel Costs | 1,352,462 | 928,333 | 847,180 | 841,971 | 1,030,979 | 1,157,282 | 925,163 | 895,252 | 884,453 | 599,656 | 319,533 | 208,630 | 9,994,874 |
| JEA Fuel Adjustment | 360,450 | 299,988 | 267,870 | 262,325 | 325,986 | 365,915 | 292,528 | 283,070 | 280,920 | 189,606 | 101,033 | 65,966 | 3,095,655 |
| Subtotal Fuel Costs | 3,352,665 | 2,619,840 | 2,415,896 | 2,394,314 | 2,820,140 | 4,096,332 | 4,195,318 | 4,192,778 | 3,553,793 | 3,374,659 | 2,946,700 | 3,001,988 | 39,063,114 |
| Demand and Non-Fuel Costs: JEA Demand Charge | 1,178,314 | 1,073,824 | 707,114 | 775,716 | 880,468 | 1,076,740 | 1,031,508 | 1,068,699 | 930,222 | 826,360 | 756,484 | 504,542 | 10,818,991 |
| Southern Dist. Facilities Charge | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 79,472 | 953,667 |
| JEA Transmission Charge | 153,022 | 156,895 | 122,200 | 125,365 | 130,876 | 161,173 | 136,220 | 182,837 | 140,841 | 130,597 | 107,243 | 115,216 | 1,662,888 |
| Gulf Capacity Charge | 1,014,650 | 1,014,650 | 1,014,650 | 1,014,650 | 1,014,650 | 1,014,650 | 1,014,650 | 1,014,650 | 1,014,650 | 1,014,650 | 1,014,650 | 1,014,650 | 12,175,800 |
| Southern Transmission/Interc. | 168,988 | 166,150 | 163,038 | 162,070 | 161,263 | 162,249 | 42,022 | 161,375 | 156,140 | 162,077 | 158,862 | 160,362 | 1,827,586 |
| Meter Reading and Processing | 2,658 | 3,044 | 2,654 | 2,530 | 2,495 | 2,868 | 3,200 | 3,571 | 3,424 | 3,109 | 2,686 | 2,506 | 34,744 |
| Subtotal Demand & Non-Fuel Costs | 2,897,105 | 2,494,034 | 2,089,129 | 2,159,804 | 2,279,224 | 2,496,152 | 2,307,474 | 2,510,605 | 2,327,570 | 2,216,286 | 2,119,397 | 1,876,747 | 27,473,686 |
| Total System Purchased Power Costs | 5,949,770 | 5,113,874 | 4,505,015 | 4,554,119 | 5,169,364 | 6,591,184 | 6,502,792 | 6,703,383 | 5,881,543 | 5,590,925 | 5,066,097 | 4,878,735 | 66,538,801 |
| Less Direct Billing To GSLD1 Class: Demand | 106,699 | 115,935 | 74,826 | 60,043 | 89,610 | 101,829 | 64,479 | 72,704 | 78,308 | 180,218 | 262,032 | 47,989 | 1,224,498 |
| (these 2 amounts (Demand and commodity) sh. Commodity | 145,357 | 134,380 | 68,617 | 70,941 | 89,610 | 110,935 | 48,328 | 115,302 | 129,615 | 401,519 | 214,171 | 10,027 | 1,505,848 |
| Net Purchased Power Costs | 5,697,514 | 4,883,899 | 4,361,572 | 4,423,265 | 5,059,169 | 6,378,420 | 6,389,985 | 6,515,377 | 5,676,423 | 5,039,188 | 4,599,823 | 4,820,720 | 63,806,455 |
| FPL Intercost | 5,918 | 5,918 | 5,918 | 5,918 | (23,673) | 0 | 41,428 | 5,918 | 5,918 | 5,918 | 5,918 | 5,918 | 71,018 |
| Other fuel related costs | 2,108 | 13,233 | 758 | 5,915 | 42,842 | 1,631 | 48,697 | 35,365 | 42,255 | 37,448 | 34,742 | 94,940 | 359,935 |
| Total Costs and Charges | 5,705,540 | 4,883,051 | 4,368,248 | 4,435,099 | 5,089,338 | 6,380,051 | 6,480,110 | 6,556,660 | 5,724,596 | 5,082,554 | 4,630,584 | 4,921,578 | 64,237,408 |
| Sales Revenue - Fuel Adjustment Revenue: | | | | | | | | | | | | | |
| RS< 1,000 kwh | 0.10181 | 1,840,357 | 1,873,576 | 1,703,545 | 1,561,152 | 1,633,719 | 1,964,189 | 2,074,905 | 2,047,343 | 1,827,307 | 1,538,386 | 1,618,033 | 21,747,287 |
| RS> 1,000 kwh | 0.11430 | 942,572 | 918,576 | 905,806 | 336,989 | 452,311 | 1,175,500 | 1,553,061 | 1,487,977 | 1,430,381 | 319,018 | 435,695 | 10,289,704 |
| GS | 0.10162 | 548,223 | 506,672 | 482,590 | 477,741 | 512,134 | 641,516 | 700,585 | 705,150 | 719,799 | 620,290 | 484,576 | 6,875,460 |
| GSD | 0.09702 | 1,157,540 | 1,028,803 | 1,039,853 | 1,096,403 | 1,142,676 | 1,410,629 | 1,458,183 | 1,465,675 | 1,548,734 | 1,300,598 | 1,073,896 | 1,054,603 |
| GSLD | 0.09400 | 670,516 | 591,275 | 607,366 | 640,347 | 633,718 | 734,807 | 646,897 | 775,118 | 745,488 | 668,052 | 619,102 | 7,177,013 |
| OL | 0.07206 | 32,402 | 32,794 | 32,436 | 31,739 | 31,650 | 32,050 | 31,838 | 31,519 | 30,133 | 32,087 | 32,055 | 32,120 |
| SL_GSL | 0.07206 | 12,819 | 12,816 | 12,853 | 12,919 | 12,919 | 12,914 | 12,915 | 12,918 | 12,918 | 12,919 | 12,915 | 154,745 |
| Unbilled Fuel Revenues | 248,714 | (252,365) | 86,431 | (354,626) | 488,522 | 130,565 | 448,129 | 64,239 | (425,282) | (340,545) | (243,964) | 107,508 | (39,674) |
| Total Fuel Revenues (Excl. GSD1) | 5,453,144 | 4,712,146 | 4,472,680 | 3,802,663 | 4,907,649 | 6,101,700 | 6,927,512 | 6,607,371 | 6,109,505 | 4,852,728 | 3,835,977 | 4,368,544 | 62,151,620 |
| GSD1 Fuel Revenues | 252,256 | 249,975 | 143,443 | 130,854 | 149,196 | 212,764 | 112,807 | 188,006 | 205,120 | 551,737 | 476,173 | 58,015 | 2,730,346 |
| Non-Fuel Revenues | 2,260,547 | 2,223,819 | 1,983,350 | 1,890,505 | 1,976,790 | 2,451,494 | 2,542,701 | 2,835,141 | 2,613,148 | 2,274,286 | 1,917,109 | 2,012,707 | 26,781,578 |
| Total Sales Revenue | 7,965,947 | 7,185,941 | 6,599,473 | 5,824,022 | 7,033,635 | 8,765,958 | 9,583,021 | 9,430,618 | 8,927,773 | 7,678,731 | 6,229,259 | 6,439,286 | 91,853,545 |
| KWH Sales: | | | | | | | | | | | | | |
| RS< 1,000 kwh | 18,078,318 | 18,403,858 | 16,733,792 | 15,344,785 | 16,051,400 | 19,296,234 | 20,381,987 | 20,282,321 | 20,111,143 | 17,949,711 | 15,111,569 | 15,894,019 | 213,628,137 |
| RS> 1,000 kwh | 8,245,639 | 8,036,696 | 4,423,592 | 2,948,341 | 3,957,302 | 10,284,547 | 13,687,863 | 13,018,427 | 12,514,516 | 6,404,486 | 2,781,119 | 3,811,929 | 90,025,457 |
| GS | 5,293,378 | 4,986,082 | 4,769,531 | 4,701,392 | 5,039,852 | 6,321,298 | 6,894,381 | 6,939,302 | 7,063,396 | 6,104,203 | 4,768,656 | 4,885,184 | 67,576,535 |
| GSD | 11,944,137 | 10,613,334 | 10,722,279 | 11,916,383 | 11,782,252 | 14,533,463 | 15,056,100 | 15,117,637 | 15,976,845 | 13,417, | | | |