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(Writer's Direct Dial No. 727-820-5184)

John T. Burnett  
Associate General Counsel

September 1, 2011

**VIA HAND DELIVERY**

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

*Re: 2011 TYSP Supplemental Data Request #4; Undocketed*

Dear Ms. Cole:

Please find enclosed for filing on behalf of Progress Energy Florida, Inc., the original and five copies of its response and updated schedules to the 2011 Supplemental TYSP Data Request #4 issued by Staff on August 4, 2011.

Thank you for your assistance in this matter. Please let me know if you have any questions.

Sincerely,

*John T. Burnett emc*  
John T. Burnett

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Enclosures

DOCUMENT NUMBER-DATE

06331 SEP-1 =

FPSC-COMMISSION CLERK

**PEF'S RESPONSE TO**  
**STAFF'S 4TH SUPPLEMENTAL DATA REQUEST**  
**(NO. 1)**

**2011 TEN-YEAR SITE PLAN : SUPPLEMENTAL DATA REQUEST #4**

Company Name: Progress Energy

1. Since the 2011 Ten-Year Site Plans were submitted to the Commission, many changes have been made in planning assumptions. In particular, the following major modifications have occurred.
  - a. Progress Energy conducted a status conference on July 14, 2011, at which it announced that it does not expect the Crystal River 3 nuclear unit to return to service until sometime in 2014.
  - b. On July 26, 2011, the Commission ruled on the DSM Plan submitted by Progress. This ruling will have an effect on Progress Energy's system due to DSM savings.

As a result of these developments, many of the quantities in the required schedules included in the Ten-Year Site Plans have changed. Please revise the following tables based on the changes mentioned above, as well as any other pertinent information that may impact these figures.

|              |              |
|--------------|--------------|
| Schedule 3.1 | Schedule 6.2 |
| Schedule 3.2 | Schedule 7.1 |
| Schedule 3.3 | Schedule 7.2 |
| Schedule 5   | Schedule 8   |
| Schedule 6.1 | Schedule 9   |

**RESPONSE:**

Please see the updated tables attached hereto.

DOCUMENT NUMBER-DATE

06331 SEP -1 =

FPSC-COMMISSION CLERK

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 3.1  
HISTORY AND FORECAST OF SUMMER PEAK DEMAND (MW)  
BASE CASE**

| (1)  | (2)    | (3)       | (4)    | (5)         | (6)                                 | (7)          | (8)                       | (9)                     | (OTH)           | (10)   |
|------|--------|-----------|--------|-------------|-------------------------------------|--------------|---------------------------|-------------------------|-----------------|--------|
| YEAR | TOTAL  | WHOLESALE | RETAIL | RESIDENTIAL |                                     | COMM. / IND. |                           | OTHER DEMAND REDUCTIONS | NET FIRM DEMAND |        |
|      |        |           |        | LOAD        | RESIDENTIAL MANAGEMENT CONSERVATION | LOAD         | COMM. / IND. CONSERVATION |                         |                 |        |
| 2001 | 8,844  | 1,117     | 7,727  | 283         | 418                                 | 142          | 48                        | 156                     | 75              | 7,722  |
| 2002 | 9,424  | 1,203     | 8,221  | 305         | 392                                 | 156          | 43                        | 158                     | 75              | 8,294  |
| 2003 | 8,884  | 887       | 7,997  | 300         | 355                                 | 172          | 44                        | 161                     | 75              | 7,776  |
| 2004 | 9,586  | 1,071     | 8,515  | 531         | 331                                 | 188          | 39                        | 163                     | 110             | 8,224  |
| 2005 | 10,353 | 1,118     | 9,235  | 448         | 310                                 | 206          | 38                        | 166                     | 110             | 9,074  |
| 2006 | 10,150 | 1,257     | 8,893  | 329         | 307                                 | 226          | 37                        | 169                     | 66              | 9,016  |
| 2007 | 10,934 | 1544      | 9,390  | 334         | 291                                 | 243          | 45                        | 176                     | 110             | 9,735  |
| 2008 | 10,596 | 1512      | 9,084  | 500         | 284                                 | 259          | 66                        | 191                     | 110             | 9,186  |
| 2009 | 10,856 | 1618      | 9,238  | 262         | 291                                 | 275          | 84                        | 211                     | 109             | 9,624  |
| 2010 | 10,241 | 1272      | 8,969  | 271         | 304                                 | 301          | 96                        | 232                     | 109             | 8,929  |
| 2011 | 10,175 | 948       | 9,227  | 269         | 317                                 | 330          | 91                        | 253                     | 120             | 8,795  |
| 2012 | 10,462 | 1,046     | 9,416  | 310         | 329                                 | 360          | 95                        | 269                     | 120             | 8,979  |
| 2013 | 10,726 | 1,056     | 9,670  | 377         | 334                                 | 387          | 99                        | 283                     | 120             | 9,126  |
| 2014 | 10,841 | 975       | 9,866  | 378         | 339                                 | 413          | 103                       | 294                     | 120             | 9,193  |
| 2015 | 11,036 | 978       | 10,058 | 372         | 344                                 | 437          | 107                       | 302                     | 120             | 9,354  |
| 2016 | 11,042 | 829       | 10,213 | 335         | 349                                 | 457          | 111                       | 310                     | 120             | 9,360  |
| 2017 | 11,234 | 832       | 10,402 | 336         | 389                                 | 475          | 115                       | 316                     | 120             | 9,482  |
| 2018 | 11,421 | 834       | 10,587 | 337         | 394                                 | 491          | 119                       | 322                     | 120             | 9,637  |
| 2019 | 11,857 | 1,086     | 10,771 | 338         | 399                                 | 506          | 123                       | 328                     | 120             | 10,043 |
| 2020 | 12,044 | 1,089     | 10,955 | 339         | 404                                 | 523          | 127                       | 333                     | 120             | 10,198 |

**Historical Values (2001 - 2010):**

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

**Projected Values (2011 - 2020):**

Cols. (2) - (4) = forecasted peak without load control, conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 3.2  
HISTORY AND FORECAST OF WINTER PEAK DEMAND (MW)  
BASE CASE**

| (1)     | (2)    | (3)       | (4)    | (5)           | (6)                               | (7)                         | (8)                                | (9)                          | (OTH)                         | (10)               |
|---------|--------|-----------|--------|---------------|-----------------------------------|-----------------------------|------------------------------------|------------------------------|-------------------------------|--------------------|
| YEAR    | TOTAL  | WHOLESALE | RETAIL | INTERRUPTIBLE | RESIDENTIAL<br>LOAD<br>MANAGEMENT | RESIDENTIAL<br>CONSERVATION | COMM. / IND.<br>LOAD<br>MANAGEMENT | COMM. / IND.<br>CONSERVATION | OTHER<br>DEMAND<br>REDUCTIONS | NET FIRM<br>DEMAND |
| 2000/01 | 11,456 | 1,984     | 9,472  | 255           | 829                               | 259                         | 23                                 | 121                          | 185                           | 9,785              |
| 2001/02 | 10,683 | 1,624     | 9,059  | 285           | 822                               | 284                         | 24                                 | 121                          | 188                           | 8,958              |
| 2002/03 | 11,552 | 1,538     | 10,014 | 271           | 795                               | 312                         | 27                                 | 122                          | 191                           | 9,833              |
| 2003/04 | 9,323  | 1,167     | 8,156  | 498           | 788                               | 342                         | 26                                 | 122                          | 261                           | 7,285              |
| 2004/05 | 10,830 | 1,600     | 9,230  | 575           | 779                               | 371                         | 26                                 | 123                          | 282                           | 8,674              |
| 2005/06 | 10,698 | 1,467     | 9,231  | 298           | 762                               | 413                         | 26                                 | 124                          | 239                           | 8,835              |
| 2006/07 | 9,896  | 1,576     | 8,320  | 304           | 671                               | 453                         | 26                                 | 126                          | 262                           | 8,055              |
| 2007/08 | 10,964 | 1,828     | 9,136  | 234           | 763                               | 487                         | 34                                 | 132                          | 278                           | 9,036              |
| 2008/09 | 12,092 | 2,229     | 9,863  | 268           | 759                               | 522                         | 71                                 | 147                          | 290                           | 10,035             |
| 2009/10 | 13,697 | 2,189     | 11,508 | 230           | 651                               | 567                         | 80                                 | 161                          | 291                           | 11,717             |
| 2010/11 | 11,645 | 1,625     | 10,020 | 269           | 661                               | 628                         | 87                                 | 180                          | 233                           | 9,588              |
| 2011/12 | 11,856 | 1,672     | 10,184 | 310           | 639                               | 690                         | 91                                 | 197                          | 234                           | 9,695              |
| 2012/13 | 12,114 | 1,701     | 10,413 | 377           | 649                               | 744                         | 95                                 | 212                          | 236                           | 9,801              |
| 2013/14 | 12,249 | 1,649     | 10,600 | 378           | 659                               | 795                         | 99                                 | 226                          | 238                           | 9,854              |
| 2014/15 | 12,486 | 1,701     | 10,785 | 372           | 669                               | 845                         | 103                                | 234                          | 240                           | 10,023             |
| 2015/16 | 12,693 | 1,755     | 10,938 | 335           | 679                               | 886                         | 107                                | 242                          | 241                           | 10,203             |
| 2016/17 | 12,780 | 1,657     | 11,123 | 336           | 757                               | 926                         | 111                                | 249                          | 243                           | 10,158             |
| 2017/18 | 13,015 | 1,710     | 11,305 | 337           | 767                               | 956                         | 115                                | 256                          | 244                           | 10,341             |
| 2018/19 | 13,495 | 2,012     | 11,483 | 338           | 777                               | 984                         | 119                                | 262                          | 246                           | 10,769             |
| 2019/20 | 13,727 | 2,066     | 11,661 | 339           | 787                               | 1,018                       | 123                                | 268                          | 248                           | 10,944             |

**Historical Values (2001 - 2010):**

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

**Projected Values (2011 - 2020):**

Cols. (2) - (4) forecasted peak without load control and conservation.

Cols. (5) - (9) = Represent cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

**PROGRESS ENERGY FLORIDA**

SCHEDULE 3.3  
HISTORY AND FORECAST OF ANNUAL NET ENERGY FOR LOAD (GWh)  
BASE CASE

| (1)  | (2)    | (3)                         | (4)                          | (OTH)                          | (5)    | (6)       | (7)                     | (8)                    | (9)                      |
|------|--------|-----------------------------|------------------------------|--------------------------------|--------|-----------|-------------------------|------------------------|--------------------------|
| YEAR | TOTAL  | RESIDENTIAL<br>CONSERVATION | COMM. / IND.<br>CONSERVATION | OTHER<br>ENERGY<br>REDUCTIONS* | RETAIL | WHOLESALE | UTILITY USE<br>& LOSSES | NET ENERGY<br>FOR LOAD | LOAD<br>FACTOR<br>(%) ** |
| 2001 | 42,200 | 354                         | 349                          | 564                            | 35,263 | 3,839     | 1,831                   | 40,933                 | 47.5                     |
| 2002 | 43,860 | 377                         | 352                          | 564                            | 36,859 | 3,173     | 2,535                   | 42,567                 | 50.0                     |
| 2003 | 45,233 | 402                         | 357                          | 564                            | 37,957 | 3,359     | 2,595                   | 43,911                 | 47.7                     |
| 2004 | 46,833 | 426                         | 360                          | 780                            | 38,193 | 4,301     | 2,774                   | 45,268                 | 56.5                     |
| 2005 | 48,474 | 455                         | 363                          | 779                            | 39,177 | 5,195     | 2,506                   | 46,878                 | 52.3                     |
| 2006 | 47,399 | 484                         | 365                          | 509                            | 39,432 | 4,220     | 2,389                   | 46,041                 | 52.1                     |
| 2007 | 49,310 | 511                         | 387                          | 779                            | 39,282 | 5,598     | 2,753                   | 47,633                 | 52.3                     |
| 2008 | 49,208 | 543                         | 442                          | 565                            | 38,556 | 6,619     | 2,483                   | 47,658                 | 53.1                     |
| 2009 | 45,978 | 583                         | 492                          | 779                            | 37,824 | 3,696     | 2,604                   | 44,124                 | 44.5                     |
| 2010 | 48,135 | 638                         | 557                          | 779                            | 38,925 | 3,493     | 3,742                   | 46,160                 | 45.3                     |
| 2011 | 44,434 | 691                         | 614                          | 840                            | 36,665 | 3,560     | 2,064                   | 42,289                 | 50.3                     |
| 2012 | 46,964 | 737                         | 662                          | 842                            | 37,440 | 4,483     | 2,800                   | 44,723                 | 52.5                     |
| 2013 | 48,689 | 782                         | 707                          | 840                            | 39,001 | 4,582     | 2,777                   | 46,360                 | 54.0                     |
| 2014 | 49,773 | 825                         | 734                          | 840                            | 39,565 | 4,968     | 2,841                   | 47,374                 | 54.9                     |
| 2015 | 50,579 | 860                         | 758                          | 840                            | 40,229 | 5,041     | 2,850                   | 48,120                 | 54.8                     |
| 2016 | 50,327 | 894                         | 781                          | 842                            | 40,923 | 4,126     | 2,761                   | 47,810                 | 53.3                     |
| 2017 | 50,636 | 921                         | 801                          | 840                            | 41,665 | 3,475     | 2,933                   | 48,073                 | 54.0                     |
| 2018 | 51,524 | 947                         | 820                          | 840                            | 42,460 | 3,468     | 2,988                   | 48,916                 | 54.0                     |
| 2019 | 52,989 | 972                         | 839                          | 840                            | 43,203 | 4,049     | 3,086                   | 50,338                 | 53.4                     |
| 2020 | 53,885 | 998                         | 857                          | 842                            | 43,972 | 4,116     | 3,099                   | 51,187                 | 53.2                     |

\* Column (OTH) includes Conservation Energy For Lighting and Public Authority Customers, Customer-Owned Self-service Cogeneration.

\*\* Load Factors for historical years are calculated using the actual winter peak demand except the 2004 and 2007 historical load factors which are based on the actual summer peak demand.  
Load Factors for future years are calculated using the net firm winter peak demand (Schedule 3.2)

**PROGRESS ENERGY FLORIDA**

SCHEDULE 4

PREVIOUS YEAR ACTUAL AND TWO-YEAR FORECAST OF PEAK DEMAND  
AND NET ENERGY FOR LOAD BY MONTH

| (1)<br>MONTH | (2)<br>ACTUAL<br>2010 |        | (4)<br>FORECAST<br>2011 |        | (6)<br>FORECAST<br>2012 |        |
|--------------|-----------------------|--------|-------------------------|--------|-------------------------|--------|
|              | PEAK DEMAND           | NEL    | PEAK DEMAND             | NEL    | PEAK DEMAND             | NEL    |
|              | MW                    | GWh    | MW                      | GWh    | MW                      | GWh    |
| JANUARY      | 11,644                | 4,152  | 10,718                  | 2,848  | 10,849                  | 3,394  |
| FEBRUARY     | 8,746                 | 3,425  | 8,479                   | 2,839  | 8,629                   | 2,953  |
| MARCH        | 8,276                 | 3,173  | 7,179                   | 3,129  | 7,353                   | 3,252  |
| APRIL        | 6,183                 | 3,084  | 7,600                   | 3,143  | 7,863                   | 3,278  |
| MAY          | 8,585                 | 4,221  | 8,713                   | 3,828  | 8,995                   | 3,991  |
| JUNE         | 9,516                 | 4,644  | 9,149                   | 4,095  | 9,421                   | 4,267  |
| JULY         | 9,600                 | 4,682  | 9,420                   | 4,338  | 9,681                   | 4,519  |
| AUGUST       | 9,467                 | 4,554  | 9,472                   | 4,379  | 9,713                   | 4,569  |
| SEPTEMBER    | 8,844                 | 4,030  | 8,911                   | 4,009  | 9,200                   | 4,206  |
| OCTOBER      | 7,753                 | 3,355  | 8,291                   | 3,536  | 8,592                   | 3,736  |
| NOVEMBER     | 6,180                 | 2,812  | 6,820                   | 2,927  | 7,073                   | 3,117  |
| DECEMBER     | 10,381                | 4,028  | 7,602                   | 3,217  | 7,773                   | 3,440  |
| TOTAL        |                       | 46,160 |                         | 42,288 |                         | 44,722 |

NOTE: Recorded Net Peak demands and System requirements including off-system wholesale contracts.

PROGRESS ENERGY FLORIDA

SCHEDULE 5  
FUEL REQUIREMENTS

| (1)    | (2)                | (3)                            | (4)          | (5)               | (6)     | (7)     | (8)     | (9)     | (10)    | (11)    | (12)    | (13)    | (14)    | (15)    | (16)    |
|--------|--------------------|--------------------------------|--------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|        |                    |                                |              | -ACTUAL-          |         |         |         |         |         |         |         |         |         |         |         |
|        |                    |                                |              | FUEL REQUIREMENTS |         |         |         |         |         |         |         |         |         |         |         |
|        |                    |                                |              | UNITS             |         |         |         |         |         |         |         |         |         |         |         |
| (1)    | NUCLEAR            |                                | TRILLION BTU | 2009              | 2010    | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    | 2019    | 2020    |
| (1)    | NUCLEAR            |                                | TRILLION BTU | 51                | 0       | 0       | 0       | 0       | 14      | 82      | 77      | 82      | 74      | 82      | 76      |
| (2)    | COAL               |                                | 1,000 TON    | 4,749             | 5,201   | 5,460   | 6,191   | 6,334   | 6,362   | 4,715   | 4,774   | 4,930   | 5,052   | 4,700   | 4,741   |
| (3)    | RESIDUAL           | TOTAL                          | 1,000 BBL    | 1,801             | 1,289   | 740     | 734     | 899     | 1,067   | 603     | 929     | 1,144   | 1,185   | 1,096   | 1,076   |
| (4)    |                    | STEAM                          | 1,000 BBL    | 1,801             | 1,289   | 740     | 734     | 899     | 1,067   | 603     | 929     | 1,144   | 1,185   | 1,096   | 1,076   |
| (5)    |                    | CC                             | 1,000 BBL    | 0                 | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| (6)    |                    | CT                             | 1,000 BBL    | 0                 | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| (7)    |                    | DIESEL                         | 1,000 BBL    | 0                 | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| (8)    | DISTILLATE         | TOTAL                          | 1,000 BBL    | 580               | 862     | 310     | 263     | 261     | 351     | 263     | 381     | 402     | 409     | 468     | 386     |
| (9)    |                    | STEAM                          | 1,000 BBL    | 92                | 65      | 171     | 173     | 163     | 154     | 183     | 178     | 175     | 163     | 184     | 204     |
| (10)   |                    | CC                             | 1,000 BBL    | 39                | 5       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| (11)   |                    | CT                             | 1,000 BBL    | 449               | 792     | 140     | 90      | 99      | 197     | 79      | 203     | 227     | 246     | 284     | 182     |
| (12)   |                    | DIESEL                         | 1,000 BBL    | 0                 | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| (13)   | NATURAL GAS        | TOTAL                          | 1,000 MCF    | 144,677           | 182,956 | 172,112 | 172,072 | 180,427 | 182,794 | 179,297 | 182,333 | 180,651 | 188,869 | 200,004 | 210,035 |
| (14)   |                    | STEAM                          | 1,000 MCF    | 12,463            | 19,544  | 20,538  | 20,787  | 21,570  | 23,074  | 18,741  | 17,459  | 16,250  | 15,987  | 15,378  | 15,238  |
| (15)   |                    | CC                             | 1,000 MCF    | 120,082           | 152,468 | 140,456 | 140,840 | 147,577 | 145,962 | 152,809 | 154,294 | 151,979 | 157,781 | 169,658 | 181,727 |
| (16)   |                    | CT                             | 1,000 MCF    | 12,132            | 10,944  | 11,118  | 10,445  | 11,281  | 13,757  | 7,747   | 10,580  | 12,422  | 15,101  | 14,967  | 13,070  |
| (17)   | OTHER (SPECIFY)    | ANNUAL FIRM INTERCHANGE        | 1,000 BBL    | N/A               | N/A     | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| (18)   | OTHER, NATURAL GAS | ANNUAL FIRM INTERCHANGE, CC    | 1,000 MCF    | N/A               | N/A     | 11,831  | 12,627  | 12,836  | 12,546  | 8,843   | 2,966   | 0       | 0       | 0       | 0       |
| (18.1) | OTHER, NATURAL GAS | ANNUAL FIRM INTERCHANGE, CT    | 1,000 MCF    | N/A               | N/A     | 12,093  | 17,466  | 19,428  | 21,882  | 13,015  | 17,238  | 18,430  | 19,782  | 17,946  | 16,187  |
| (19)   | OTHER, COAL        | ANNUAL FIRM INTERCHANGE, STEAM | 1,000 TON    | N/A               | N/A     | 245     | 256     | 253     | 244     | 174     | 68      | 0       | 0       | 0       | 0       |

**PROGRESS ENERGY FLORIDA**

SCHEDULE 6.1  
ENERGY SOURCES (GWh)

| (1)                   | (2)                        | (3)    | (4) | (5)      | (6)    | (7)    | (8)    | (9)    | (10)   | (11)   | (12)   | (13)   | (14)   | (15)   | (16)   |      |      |
|-----------------------|----------------------------|--------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
|                       |                            |        |     | -ACTUAL- |        |        |        |        |        |        |        |        |        |        |        |      |      |
| <b>ENERGY SOURCES</b> |                            |        |     | UNITS    |        | 2009   | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   | 2018   | 2019 | 2020 |
| (1)                   | ANNUAL FIRM INTERCHANGE 1/ |        | GWh | 1,216    | 2,017  | 1,137  | 1,690  | 1,883  | 2,113  | 997    | 1,421  | 1,511  | 1,697  | 1,480  | 1,358  |      |      |
| (2)                   | NUCLEAR                    |        | GWh | 4,945    | 0      | 0      | 0      | 0      | 1,394  | 8,271  | 7,722  | 8,271  | 7,472  | 8,271  | 7,608  |      |      |
| (3)                   | COAL                       |        | GWh | 11,089   | 12,115 | 12,346 | 14,083 | 14,424 | 14,496 | 10,421 | 10,587 | 10,925 | 11,236 | 10,420 | 10,480 |      |      |
| (4)                   | RESIDUAL                   | TOTAL  | GWh | 974      | 683    | 420    | 419    | 512    | 606    | 341    | 528    | 652    | 676    | 626    | 614    |      |      |
| (5)                   |                            | STEAM  | GWh | 974      | 683    | 420    | 419    | 512    | 606    | 341    | 528    | 652    | 676    | 626    | 614    |      |      |
| (6)                   |                            | CC     | GWh | 0        | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |      |      |
| (7)                   |                            | CT     | GWh | 0        | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |      |      |
| (8)                   |                            | DIESEL | GWh | 0        | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |      |      |
| (9)                   | DISTILLATE                 | TOTAL  | GWh | 261      | 381    | 62     | 40     | 43     | 86     | 34     | 85     | 99     | 106    | 127    | 80     |      |      |
| (10)                  |                            | STEAM  | GWh | 52       | 36     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |      |      |
| (11)                  |                            | CC     | GWh | 23       | 4      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |      |      |
| (12)                  |                            | CT     | GWh | 186      | 341    | 62     | 40     | 43     | 86     | 34     | 85     | 99     | 106    | 127    | 80     |      |      |
| (13)                  |                            | DIESEL | GWh | 0        | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |      |      |
| (14)                  | NATURAL GAS                | TOTAL  | GWh | 18,457   | 23,692 | 22,557 | 22,541 | 23,706 | 23,774 | 23,897 | 24,330 | 24,041 | 25,139 | 26,844 | 28,454 |      |      |
| (15)                  |                            | STEAM  | GWh | 1,044    | 1,609  | 1,650  | 1,683  | 1,751  | 1,875  | 1,505  | 1,413  | 1,313  | 1,294  | 1,234  | 1,223  |      |      |
| (16)                  |                            | CC     | GWh | 16,495   | 21,241 | 19,889 | 19,890 | 20,920 | 20,658 | 21,660 | 21,956 | 21,611 | 22,471 | 24,237 | 26,022 |      |      |
| (17)                  |                            | CT     | GWh | 918      | 842    | 1,018  | 967    | 1,034  | 1,242  | 732    | 961    | 1,118  | 1,373  | 1,372  | 1,209  |      |      |
| (18)                  | OTHER 2/                   |        | GWh | 2,920    | 2,916  | 2,589  | 2,604  | 2,352  | 1,525  | 1,525  | 1,531  | 1,523  | 1,525  | 1,522  | 1,531  |      |      |
|                       | QF PURCHASES               |        | GWh | 1,031    | 1,215  | 1,045  | 1,080  | 1,154  | 1,148  | 1,056  | 1,058  | 1,052  | 1,065  | 1,048  | 1,062  |      |      |
|                       | RENEWABLES                 |        | GWh |          |        |        |        |        |        |        |        |        |        |        |        |      |      |
|                       | IMPORT FROM OUT OF STATE   |        | GWh | 3273     | 3161   | 2,132  | 2,267  | 2,289  | 2,233  | 1,576  | 548    | 0      | 0      | 0      | 0      |      |      |
|                       | EXPORT TO OUT OF STATE     |        | GWh | -42      | -20    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |      |      |
| (19)                  | NET ENERGY FOR LOAD        |        | GWh | 44,124   | 46,160 | 42,289 | 44,723 | 46,360 | 47,374 | 48,120 | 47,810 | 48,073 | 48,916 | 50,338 | 51,187 |      |      |

1/ NET ENERGY PURCHASED (+) OR SOLD (-) WITHIN THE FRCC REGION.

2/ NET ENERGY PURCHASED (+) OR SOLD (-).



**PROGRESS ENERGY FLORIDA**

SCHEDULE 6.2  
ENERGY SOURCES (PERCENT)

| (1)  | (2)                                    | (3)    | (4)          | (5)         | (6)         | (7)         | (8)         | (9)         | (10)        | (11)        | (12)        | (13)        | (14)        | (15)        | (16)        |
|------|--|--------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|      | <b>ENERGY SOURCES</b>                  |        | <b>UNITS</b> | <b>2009</b> | <b>2010</b> | <b>2011</b> | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> |
| (1)  | ANNUAL FIRM INTERCHANGE 1/             |        | %            | 2.8%        | 4.4%        | 2.7%        | 3.8%        | 4.1%        | 4.5%        | 2.1%        | 3.0%        | 3.1%        | 3.5%        | 2.9%        | 2.7%        |
| (2)  | NUCLEAR                                |        | %            | 11.2%       | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 2.9%        | 17.2%       | 16.2%       | 17.2%       | 15.3%       | 16.4%       | 14.9%       |
| (3)  | COAL                                   |        | %            | 25.1%       | 26.2%       | 29.2%       | 31.5%       | 31.1%       | 30.6%       | 21.7%       | 22.1%       | 22.7%       | 23.0%       | 20.7%       | 20.5%       |
| (4)  | RESIDUAL                               | TOTAL  | %            | 2.2%        | 1.5%        | 1.0%        | 0.9%        | 1.1%        | 1.3%        | 0.7%        | 1.1%        | 1.4%        | 1.4%        | 1.2%        | 1.2%        |
| (5)  |  | STEAM  | %            | 2.2%        | 1.5%        | 1.0%        | 0.9%        | 1.1%        | 1.3%        | 0.7%        | 1.1%        | 1.4%        | 1.4%        | 1.2%        | 1.2%        |
| (6)  |  | CC     | %            | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        |
| (7)  |  | CT     | %            | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        |
| (8)  |  | DIESEL | %            | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        |
| (9)  | DISTILLATE                             | TOTAL  | %            | 0.6%        | 0.8%        | 0.1%        | 0.1%        | 0.1%        | 0.2%        | 0.1%        | 0.2%        | 0.2%        | 0.2%        | 0.3%        | 0.2%        |
| (10) |  | STEAM  | %            | 0.1%        | 0.1%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        |
| (11) |  | CC     | %            | 0.1%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        |
| (12) |  | CT     | %            | 0.4%        | 0.7%        | 0.1%        | 0.1%        | 0.1%        | 0.2%        | 0.1%        | 0.2%        | 0.2%        | 0.2%        | 0.3%        | 0.2%        |
| (13) |  | DIESEL | %            | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        |
| (14) | NATURAL GAS                            | TOTAL  | %            | 41.8%       | 51.3%       | 53.3%       | 50.4%       | 51.1%       | 50.2%       | 49.7%       | 50.9%       | 50.0%       | 51.4%       | 53.3%       | 55.6%       |
| (15) |  | STEAM  | %            | 2.4%        | 3.5%        | 3.9%        | 3.8%        | 3.8%        | 4.0%        | 3.1%        | 3.0%        | 2.7%        | 2.6%        | 2.5%        | 2.4%        |
| (16) |  | CC     | %            | 37.4%       | 46.0%       | 47.0%       | 44.5%       | 45.1%       | 43.6%       | 45.0%       | 45.9%       | 45.0%       | 45.9%       | 48.1%       | 50.8%       |
| (17) |  | CT     | %            | 2.1%        | 1.8%        | 2.4%        | 2.2%        | 2.2%        | 2.6%        | 1.5%        | 2.0%        | 2.3%        | 2.8%        | 2.7%        | 2.4%        |
| (18) | OTHER 2/<br>QF PURCHASES<br>RENEWABLES |        | %            | 6.6%        | 6.3%        | 6.1%        | 5.8%        | 5.1%        | 3.2%        | 3.2%        | 3.2%        | 3.2%        | 3.1%        | 3.0%        | 3.0%        |
|      |  |        | %            | 2.3%        | 2.6%        | 2.5%        | 2.4%        | 2.5%        | 2.4%        | 2.2%        | 2.2%        | 2.2%        | 2.2%        | 2.1%        | 2.1%        |
|      | IMPORT FROM OUT OF STATE               |        | %            | 7.4%        | 6.8%        | 5.0%        | 5.1%        | 4.9%        | 4.7%        | 3.3%        | 1.1%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        |
|      | EXPORT TO OUT OF STATE                 |        | %            | -0.1%       | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        |
| (19) | NET ENERGY FOR LOAD                    |        | %            | 100.0%      | 100.0%      | 100.0%      | 100.0%      | 100.0%      | 100.0%      | 100.0%      | 100.0%      | 100.0%      | 100.0%      | 100.0%      | 100.0%      |

1/ NET ENERGY PURCHASED (+) OR SOLD (-) WITHIN THE FRCC REGION.

2/ NET ENERGY PURCHASED (+) OR SOLD (-).

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 7.1  
FORECAST OF CAPACITY, DEMAND AND SCHEDULED MAINTENANCE  
AT TIME OF SUMMER PEAK**

| (1)  | (2)   | (3)                           | (4)              | (5)                   | (6)               | (7)                        | (8)                      | (9)       | (10)              | (11)                    | (12)      |
|------|---|-------------------------------|------------------|-----------------------|-------------------|----------------------------|--------------------------|-----------|-------------------|-------------------------|-----------|
|      | TOTAL <sup>a</sup><br>INSTALLED<br>CAPACITY | FIRM <sup>b</sup><br>CAPACITY | FIRM<br>CAPACITY |                       | TOTAL<br>CAPACITY | SYSTEM FIRM<br>SUMMER PEAK | RESERVE MARGIN           |           | SCHEDULED         | RESERVE MARGIN          |           |
| YEAR | MW  | IMPORT<br>MW                  | EXPORT<br>MW     | QF <sup>c</sup><br>MW | AVAILABLE<br>MW   | DEMAND<br>MW               | BEFORE MAINTENANCE<br>MW | % OF PEAK | MAINTENANCE<br>MW | AFTER MAINTENANCE<br>MW | % OF PEAK |
| 2011 | 9,811                                       | 1,709                         | 0                | 173                   | 11,694            | 8,795                      | 2,898                    | 33%       | 789               | 2,109                   | 24%       |
| 2012 | 9,811                                       | 2,026                         | 0                | 173                   | 12,010            | 8,979                      | 3,031                    | 34%       | 789               | 2,242                   | 25%       |
| 2013 | 9,811                                       | 1,916                         | 0                | 173                   | 11,900            | 9,126                      | 2,774                    | 30%       | 789               | 1,985                   | 22%       |
| 2014 | 9,811                                       | 1,815                         | 0                | 173                   | 11,799            | 9,193                      | 2,606                    | 28%       | 789               | 1,816                   | 20%       |
| 2015 | 9,966                                       | 1,785                         | 0                | 173                   | 11,924            | 9,354                      | 2,569                    | 27%       | 0                 | 2,569                   | 27%       |
| 2016 | 9,835                                       | 1,373                         | 0                | 173                   | 11,381            | 9,360                      | 2,020                    | 22%       | 0                 | 2,020                   | 22%       |
| 2017 | 9,835                                       | 1,373                         | 0                | 173                   | 11,381            | 9,482                      | 1,898                    | 20%       | 0                 | 1,898                   | 20%       |
| 2018 | 10,012                                      | 1,373                         | 0                | 173                   | 11,558            | 9,637                      | 1,921                    | 20%       | 0                 | 1,921                   | 20%       |
| 2019 | 10,779                                      | 1,373                         | 0                | 173                   | 12,325            | 10,043                     | 2,281                    | 23%       | 0                 | 2,281                   | 23%       |
| 2020 | 10,779                                      | 1,373                         | 0                | 173                   | 12,325            | 10,198                     | 2,126                    | 21%       | 0                 | 2,126                   | 21%       |

Notes:

- a. Total Installed Capacity does not include the 143 MW to Southern Company from Intercession City, P11.
- b. FIRM Capacity Import includes Cogeneration, Utility and Independent Power Producers, and Short Term Purchase Contracts.
- c. QF includes Firm Renewables

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 7.2  
FORECAST OF CAPACITY, DEMAND AND SCHEDULED MAINTENANCE  
AT TIME OF WINTER PEAK**

| (1)     | (2)                | (3)               | (4)      | (5)             | (6)       | (7)         | (8)                | (9)       | (10)        | (11)              | (12)      |
|---------|--------------------|-------------------|----------|-----------------|-----------|-------------|--------------------|-----------|-------------|-------------------|-----------|
| YEAR    | TOTAL <sup>a</sup> | FIRM <sup>b</sup> | FIRM     | QF <sup>c</sup> | TOTAL     | SYSTEM FIRM | RESERVE MARGIN     |           | SCHEDULED   | RESERVE MARGIN    |           |
|         | INSTALLED          | CAPACITY          | CAPACITY |                 | AVAILABLE | WINTER PEAK | BEFORE MAINTENANCE | % OF PEAK | MAINTENANCE | AFTER MAINTENANCE | % OF PEAK |
|         | MW                 | IMPORT            | EXPORT   | MW              | MW        | DEMAND      | MW                 |           | MW          | MW                |           |
| 2010/11 | 11,031             | 1,672             | 0        | 173             | 12,876    | 9,588       | 3,288              | 34%       | 805         | 2,483             | 26%       |
| 2011/12 | 11,031             | 1,762             | 0        | 173             | 12,966    | 9,695       | 3,270              | 34%       | 805         | 2,465             | 25%       |
| 2012/13 | 11,031             | 2,110             | 0        | 173             | 13,314    | 9,801       | 3,512              | 36%       | 805         | 2,707             | 28%       |
| 2013/14 | 11,031             | 1,868             | 0        | 173             | 13,073    | 9,854       | 3,218              | 33%       | 805         | 2,413             | 24%       |
| 2014/15 | 11,185             | 1,868             | 0        | 173             | 13,227    | 10,023      | 3,203              | 32%       | 0           | 3,203             | 32%       |
| 2015/16 | 11,185             | 1,868             | 0        | 173             | 13,227    | 10,203      | 3,023              | 30%       | 0           | 3,023             | 30%       |
| 2016/17 | 11,052             | 1,456             | 0        | 173             | 12,682    | 10,158      | 2,523              | 25%       | 0           | 2,523             | 25%       |
| 2017/18 | 11,052             | 1,456             | 0        | 173             | 12,682    | 10,341      | 2,340              | 23%       | 0           | 2,340             | 23%       |
| 2018/19 | 11,258             | 1,456             | 0        | 173             | 12,887    | 10,769      | 2,118              | 20%       | 0           | 2,118             | 20%       |
| 2019/20 | 12,133             | 1,456             | 0        | 173             | 13,763    | 10,944      | 2,818              | 26%       | 0           | 2,818             | 26%       |

Notes:

- a. Total Installed Capacity does not include the 143 MW to Southern Company from Intercession City, P11.
- b. FIRM Capacity Import includes Cogeneration, Utility and Independent Power Producers, and Short Term Purchase Contracts.
- c. QF includes Firm Renewables

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 8  
PLANNED AND PROSPECTIVE GENERATING FACILITY ADDITIONS AND CHANGES**

AS OF JANUARY 1, 2011 THROUGH DECEMBER 31, 2020

| (1)            | (2)  | (3)      | (4)  | (5)  | (6)  | (7)            | (8)  | (9)     | (10)       | (11)     | (12)      | (13)                        | (14)  | (15)                | (16)               |
|----------------|------|----------|------|------|------|----------------|------|---------|------------|----------|-----------|-----------------------------|-------|---------------------|--------------------|
|                | UNIT | LOCATION | UNIT | FUEL |      | FUEL TRANSPORT |      | CONST.  | COMPL. IN- | EXPECTED | GEN. MAX. | NET CAPABILITY <sup>d</sup> |       |                     |                    |
| PLANT NAME     | NO.  | (COUNTY) | TYPE | PRL  | ALT. | PRL            | ALT. | MO./YR  | MO./YR     | MO./YR   | KW        | MW                          | MW    | STATUS <sup>b</sup> | NOTES <sup>c</sup> |
| CRYSTAL RIVER  | 3    | CITRUS   | NP   |      |      |                |      |         | 11/2014    |          |           | 154                         | 154   | A                   | (2)                |
| SUWANNEE RIVER | 1-3  | SUWANNEE | ST   |      |      |                |      |         |            | d        |           | (131)                       | (133) |                     | (1)                |
| UNKNOWN        | 1    | UNKNOWN  | GT   |      |      |                |      | 06/2016 | 6/2018     |          |           | 178                         | 205   | P                   | (1)                |
| UNKNOWN        | 1    | UNKNOWN  | CC   |      |      |                |      | 06/2016 | 6/2019     |          |           | 767                         | 875   | P                   | (1)                |

a. Net capability of Crystal River 3 represents approximately 91.8% PEF Ownership.  
 b. See page v. for Code Legend of Future Generating Unit Status.

c. NOTES  
 (1) Planned, Prospective, or Committed project.  
 (2) Planned uprates.

d. Suwannee 1-3 expect to be shut down by 6/2016.

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 9  
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES  
AS OF JANUARY 1, 2011**

|  |                            |                   |
|--|----------------------------|-------------------|
| (1) Plant Name and Unit Number:                  | <b>Undesignated CT1</b>    |                   |
| (2) Capacity                                     |                            |                   |
| a. Summer:                                       |                            | 177.5             |
| b. Winter:                                       |                            | 205.3             |
| (3) Technology Type:                             | <b>COMBUSTION TURBINE</b>  |                   |
| (4) Anticipated Construction Timing              |                            |                   |
| a. Field construction start date:                |                            | 6/2016            |
| b. Commercial in-service date:                   |                            | 6/2018 (EXPECTED) |
| (5) Fuel   |                            |                   |
| a. Primary fuel:                                 | <b>NATURAL GAS</b>         |                   |
| b. Alternate fuel:                               | <b>DISTILLATE FUEL OIL</b> |                   |
| (6) Air Pollution Control Strategy:              | <b>UNKNOWN</b>             |                   |
| (7) Cooling Method:                              | <b>UNKNOWN</b>             |                   |
| (8) Total Site Area:                             | <b>UNKNOWN</b>             | <b>ACRES</b>      |
| (9) Construction Status:                         | <b>PLANNED</b>             |                   |
| (10) Certification Status:                       | <b>PLANNED</b>             |                   |
| (11) Status with Federal Agencies:               | <b>PLANNED</b>             |                   |
| (12) Projected Unit Performance Data             |                            |                   |
| a. Planned Outage Factor (POF):                  |                            | 3.84 %            |
| b. Forced Outage Factor (FOF):                   |                            | 2.05 %            |
| c. Equivalent Availability Factor (EAF):         |                            | 94.2 %            |
| d. Resulting Capacity Factor (%):                |                            | 11.5 %            |
| e. Average Net Operating Heat Rate (ANOHR):      |                            | 10,626 BTU/kWh    |
| (13) Projected Unit Financial Data               |                            |                   |
| a. Book Life (Years):                            |                            | 25                |
| b. Total Installed Cost (In-service year \$/kW): |                            | 676.28            |
| c. Direct Construction Cost (\$/kW):             |                            | 554.30            |
| d. AFUDC Amount (\$/kW):                         |                            | 38.73             |
| e. Escalation (\$/kW):                           |                            | 83.25             |
| f. Fixed O&M (\$/kW-yr):                         |                            | 3.84              |
| g. Variable O&M (\$/MWh):                        |                            | 7.82              |
| h. K Factor:                                     | <b>NO CALCULATION</b>      |                   |

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 9**

**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES  
AS OF JANUARY 1, 2011**

|  |                            |                   |
|--|----------------------------|-------------------|
| (1) Plant Name and Unit Number:                  | <b>Undesignated CC1</b>    |                   |
| (2) Capacity                                     |                            |                   |
| a. Summer:                                       |                            | 766.9             |
| b. Winter:                                       |                            | 875.4             |
| (3) Technology Type:                             | <b>COMBINED CYCLE</b>      |                   |
| (4) Anticipated Construction Timing              |                            |                   |
| a. Field construction start date:                |                            | 6/2016            |
| b. Commercial in-service date:                   |                            | 6/2019 (EXPECTED) |
| (5) Fuel   |                            |                   |
| a. Primary fuel:                                 | <b>NATURAL GAS</b>         |                   |
| b. Alternate fuel:                               | <b>DISTILLATE FUEL OIL</b> |                   |
| (6) Air Pollution Control Strategy:              | <b>SCR and CO Catalyst</b> |                   |
| (7) Cooling Method:                              | <b>Cooling Tower</b>       |                   |
| (8) Total Site Area:                             | <b>UNKNOWN</b>             | <b>ACRES</b>      |
| (9) Construction Status:                         | <b>PLANNED</b>             |                   |
| (10) Certification Status:                       | <b>PLANNED</b>             |                   |
| (11) Status with Federal Agencies:               | <b>PLANNED</b>             |                   |
| (12) Projected Unit Performance Data             |                            |                   |
| a. Planned Outage Factor (POF):                  |                            | 7.67 %            |
| b. Forced Outage Factor (FOF):                   |                            | 6.36 %            |
| c. Equivalent Availability Factor (EAF):         |                            | 86.5 %            |
| d. Resulting Capacity Factor (%):                |                            | 69.3 %            |
| e. Average Net Operating Heat Rate (ANOHR):      |                            | 6,914 BTU/kWh     |
| (13) Projected Unit Financial Data               |                            |                   |
| a. Book Life (Years):                            |                            | 25                |
| b. Total Installed Cost (In-service year \$/kW): |                            | 1,315.93          |
| c. Direct Construction Cost (\$/kW):             |                            | 1,026.62          |
| d. AFUDC Amount (\$/kW):                         |                            | 128.37            |
| e. Escalation (\$/kW):                           |                            | 160.93            |
| f. Fixed O&M (\$/kW-yr):                         |                            | 6.65              |
| g. Variable O&M (\$/MWh):                        |                            | 3.24              |
| h. K Factor:                                     | <b>NO CALCULATION</b>      |                   |