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RECORDS AND REPORTING

June 22, 1999

HAND DELIVERED

Ms. Blanca S. Bayo, Director  
Division of Records and Reporting  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

Re: Petition of Tampa Electric Company to Close Rate Schedules IS-3 and IST-3  
FPSC Docket No. 990037-EI


Dear Ms. Bayo:

Enclosed for filing in the above proceeding are fifteen (15) copies of a set of seven worksheets pertaining to the cost effectiveness of Tampa Electric's interruptible load. These worksheets were requested by the Commission's Staff and differ from the company's initial filing in this proceeding in that they utilize inputs requested by Staff.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

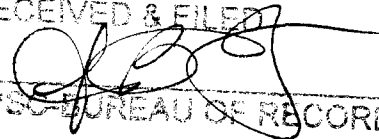
Thank you for your assistance in connection with this matter.

Sincerely,

  
James D. Beasley

- NFA \_\_\_\_\_
- APP \_\_\_\_\_
- JDB/pp \_\_\_\_\_
- Enclosures \_\_\_\_\_
- DMU \_\_\_\_\_
- LEG \_\_\_\_\_
- WAS \_\_\_\_\_
- OPC \_\_\_\_\_
- RRR \_\_\_\_\_
- SEC \_\_\_\_\_
- WAW \_\_\_\_\_
- OTH \_\_\_\_\_

cc: All Parties of Record (w/enc.)  
Kenneth Dudley (w/enc.)

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FPSC RECORDS/REPORTING

**TARGET INTERRUPTIBLE LOAD WORKSHEET**

|    |                                    |       |       |        |    |
|----|------------------------------------|-------|-------|--------|----|
| 1. | TARGET INTERRUPTIBLE BEGINNING FOR | 1999  |       | 200    | MW |
| 2. | TARGET INTERRUPTIBLE FOR THE YEAR  | 2001  |       | 211    | MW |
| 3. | ANNUAL INTERRUPTIBLE INCREMENT     | 211   | - 200 | 5.4    | MW |
|    |                                    | (Over | 2     | Years) |    |
| 4. | TARGET INTERRUPTIBLE ENDING FOR    | 2001  |       | 205    | MW |

DOCUMENT NUMBER-DATE  
07555 JUN 22 89

**TARGET INTERRUPTIBLE LOAD WORKSHEET  
FIRM LOAD RESERVE MARGIN WORKSHEET  
(WITH COMMITTED CAPACITY ONLY)**

| (1)  | (2)                                    | (3)                                     | (4)                       | (5)                       | (6)  |                          |
|------|--|---|---------------------------|---------------------------|--|--------------------------|
| YEAR | TOTAL<br>INSTALLED<br>CAPACITY<br>(MW) | FIRM<br>CAPACITY<br>INTERCHANGE<br>(MW) | COGEN-<br>ERATION<br>(MW) | TOTAL<br>CAPACITY<br>(MW) | FIRM LOAD<br>ANNUAL<br>PEAK DEMAND<br>(MW) | RESERVE<br>MARGIN<br>(%) |
| 1999 | 3,587                                  | 200                                     | 62                        | 3,849                     | 3,194                                      | 20                       |
| 2000 | 3,592                                  | 49                                      | 62                        | 3,703                     | 3,293                                      | 12                       |
| 2001 | 3,592                                  | 63                                      | 62                        | 3,717                     | 3,400                                      | 9                        |

Column (1)

Total installed capacity includes Polk CT 1 (in service as of January 2001) and Hookers Point retirement (as of January 2003).

Column (2)

Capacity interchange is the net of capacity import and exports: Capacity import includes the Purchase Agreement with TECO P beginning in 1993 (360 MW). Availability of this capacity is subject to back-up requirements for Seminole Electric Cooperative 145 MW of Big Bend 4 which will be sold to TECO Power Services, on a limited basis, for use by Seminole Electric Cooperative includes firm D transactions.

Column (3)

The cogeneration column accounts for cogeneration that will be purchased under firm contracts.

Column (5)

The firm load annual peak demand is firm system peak demand. Firm system peak demand contains firm retail and firm wholesale demand values are based on the current load forecast.

Column (6)

The reserve margin is a winter firm peak reserve margin.

## TARGET INTERRUPTIBLE LOAD WORKSHEET

| (1)  | (2)                               | (3)                      | (4)                  | (5)                       | (6)                     | (7)                       | (8)                        | (9)                                       |
|------|-----------------------------------|--------------------------|----------------------|---------------------------|-------------------------|---------------------------|----------------------------|---|
| YEAR | FIRM LOAD ANNUAL PEAK DEMAND (MW) | INTER-RUPTIBLE LOAD (MW) | LOAD MANAGEMENT (MW) | TARGET NON-FIRM LOAD (MW) | ADJUSTED FIRM LOAD (MW) | ADJUSTED FIRM RESERVE (%) | TARGET INTER-RUPTIBLE (MW) | INCREMENTAL INTER-RUPTIBLE AVAILABLE (MW) |
| 1999 | 3,194                             | 200                      | 258                  |                           |                         |                           | 200                        | 5.4                                       |
| 2000 | 3,293                             | 212                      | 266                  |                           |                         |                           | 205                        | 5.4                                       |
| 2001 | 3,400                             | 212                      | 274                  | 485                       | 3,167                   | 17                        | 211                        | 5.4                                       |

Column (2) The firm load annual peak demand is firm system peak demand. Firm system peak demand contains firm retail and firm wholesale demand. Firm demand values are based on the current load forecast.

Column (7) The adjusted firm reserve is a winter firm peak reserve margin.

**1998 COST-EFFECTIVENESS REVIEW OF IS-3 PROGRAM**  
 RATE AND SYSTEM IMPACTS (COST vs BENEFITS) OF TRANSFERRING EXISTING IS-3  
 LOAD TO FIRM LOAD  
 COMPOSITE OF IS-3 AND IST-3 CLASSES AT SUB-TRANSMISSION AND PRIMARY

| YEAR           | IS-3 NOMINAL and PRESENT WORTH |                             |                          |               |                         |
|----------------|--------------------------------|-----------------------------|--------------------------|---------------|-------------------------|
|                | RATE<br>IMPACT<br>(\$000)      | SYSTEM<br>IMPACT<br>(\$000) | NET<br>IMPACT<br>(\$000) | PW<br>(\$000) | CUMUL.<br>PW<br>(\$000) |
| 2001           | 15,682                         | (2,628)                     | 18,310                   | 13,927        | 13,927                  |
| 2002           | 16,088                         | 17,012                      | (924)                    | (642)         | 13,285                  |
| 2003           | 16,110                         | 15,111                      | 998                      | 633           | 13,918                  |
| 2004           | 16,182                         | 19,150                      | (2,967)                  | (1,717)       | 12,201                  |
| 2005           | 16,249                         | 4,067                       | 12,182                   | 6,433         | 18,635                  |
| 2006           | 16,252                         | 21,019                      | (4,766)                  | (2,298)       | 16,337                  |
| 2007           | 15,749                         | 20,767                      | (5,017)                  | (2,208)       | 14,129                  |
| 2008           | 14,124                         | 8,376                       | 5,748                    | 2,309         | 16,438                  |
| 2009           | 14,073                         | 8,669                       | 5,404                    | 1,981         | 18,419                  |
| 2010           | 13,995                         | 24,520                      | (10,525)                 | (3,523)       | 14,897                  |
| 2011           | 13,873                         | 8,264                       | 5,608                    | 1,713         | 16,610                  |
| 2012           | 13,808                         | 8,204                       | 5,604                    | 1,563         | 18,173                  |
| 2013           | 13,737                         | 28,723                      | (14,985)                 | (3,815)       | 14,358                  |
| 2014           | 13,718                         | (7,948)                     | 21,666                   | 5,035         | 19,393                  |
| 2015           | 13,570                         | (8,502)                     | 22,072                   | 4,682         | 24,075                  |
| 2016           | 13,454                         | 11,921                      | 1,533                    | 297           | 24,372                  |
| 2017           | 13,454                         | 11,767                      | 1,687                    | 298           | 24,670                  |
| 2018           | 13,454                         | 7,946                       | 5,508                    | 889           | 25,558                  |
| 2019           | 14,200                         | 2,026                       | 12,174                   | 1,793         | 27,351                  |
| 2020           | 14,200                         | 3,062                       | 11,138                   | 1,497         | 28,849                  |
| 2021           | 14,200                         | 4,399                       | 9,801                    | 1,203         | 30,052                  |
| 2022           | 14,200                         | 19,175                      | (4,975)                  | (557)         | 29,494                  |
| 2023           | 14,200                         | 8,050                       | 6,149                    | 629           | 30,123                  |
| 2024           | 14,200                         | 19,510                      | (5,310)                  | (496)         | 29,628                  |
| 2025           | 14,200                         | 12,765                      | 1,435                    | 122           | 29,750                  |
| 2026           | 14,200                         | 15,571                      | (1,371)                  | (107)         | 29,643                  |
| 2027           | 14,200                         | 18,628                      | (4,428)                  | (314)         | 29,329                  |
| 2028           | 14,200                         | 22,012                      | (7,813)                  | (506)         | 28,822                  |
| <b>98CPWRR</b> |                                |                             |                          |               | <b>28,822</b>           |

DISCOUNT RATE = 9.55%.

| RATE<br>CLASS | DEMAND<br>\$/KW | ENERGY<br>¢/KWH | RATE<br>CLASS | DEMAND<br>\$/KW | ENERGY<br>¢/KWH |
|---------------|-----------------|-----------------|---------------|-----------------|-----------------|
| GSLD FOR IS-3 | 6.974           | 3.887           | IS-3          | 1.41            | 3.586           |

Note: The composite rates shown above reflect the application of meter level and transformer ownership discounts to portions of the total rate class that earn such discounts.

**1998 COST-EFFECTIVENESS REVIEW OF IS-3 PROGRAM**

CPWRR TOTAL COST FOR CAPACITY ADDITIONS  
TO SERVE IS-3 CUSTOMERS  
(SYSTEM IMPACT)

(1) (2) (3) (4)

| YEAR                  | BASE PLAN         | BASE PLAN W/<br>TRANSFERRED<br>EXISTING IS-3<br>LOAD | IS-3 COST (3) - (2) |
|-----------------------|-------------------|--|---------------------|
|                       | (\$000)           | (\$000)  | (\$000)             |
| 2001                  | 391,192           | 388,564  | (2,628)             |
| 2002                  | 399,907           | 416,919  | 17,012              |
| 2003                  | 434,569           | 449,680  | 15,111              |
| 2004                  | 476,446           | 495,596  | 19,150              |
| 2005                  | 516,673           | 520,740  | 4,067               |
| 2006                  | 549,749           | 570,767  | 21,019              |
| 2007                  | 591,366           | 612,133  | 20,767              |
| 2008                  | 629,665           | 638,041  | 8,376               |
| 2009                  | 684,556           | 693,225  | 8,669               |
| 2010                  | 723,563           | 748,084  | 24,520              |
| 2011                  | 777,317           | 785,581  | 8,264               |
| 2012                  | 836,605           | 844,810  | 8,204               |
| 2013                  | 870,011           | 898,734  | 28,723              |
| 2014                  | 936,141           | 928,193  | (7,948)             |
| 2015                  | 1,002,817         | 994,314  | (8,502)             |
| 2016                  | 1,053,022         | 1,064,942  | 11,921              |
| 2017                  | 1,136,329         | 1,148,095  | 11,767              |
| 2018                  | 1,206,108         | 1,214,053  | 7,946               |
| <b>2019-2028 (PW)</b> | <b>8,044,817</b>  | <b>8,102,090</b>                                     | <b>57,274</b>       |
| <b>98CPWRR</b>        | <b>12,437,156</b> | <b>12,575,211</b>                                    | <b>138,055</b>      |

CPWRR - CUMULATIVE PRESENT WORTH OF REVENUE REQUIREMENTS  
> IS-3 COST, COLUMN (4), IS COLUMN (3) - COLUMN (2)

1998 COST-EFFECTIVENESS REVIEW OF IS-3 PROGRAM

BENEFITS OF TRANSFERRING EXISTING IS-3  
LOAD TO FIRM LOAD  
(RATE IMPACT)

| (1)  | (2)             | (3)                      | (4)                      | (5)                       | (6)                          | (7)   | (8)                     | (9)                     | (10)                     | (11)                          | (12)                         | (13)               | (14)          | (15)                    |
|------|-----------------|--------------------------|--------------------------|---------------------------|------------------------------|---|-------------------------|-------------------------|--------------------------|-------------------------------|------------------------------|--------------------|---------------|-------------------------|
| YEAR | ENERGY          |                          |                          |                           |                              | DEMAND  |                         |                         |                          |                               |                              | TOTAL BENEFIT      |               |                         |
|      | ENERGY<br>(MWH) | IS-3<br>RATE<br>(\$/KWH) | GSLD<br>RATE<br>(\$/KWH) | DELTA<br>RATE<br>(\$/KWH) | ANNUAL<br>BENEFIT<br>(\$000) | AVERAGE<br>MONTHLY<br>BILLING<br>DEMAND<br>(KW) | IS-3<br>RATE<br>(\$/KW) | GSLD<br>RATE<br>(\$/KW) | DELTA<br>RATE<br>(\$/KW) | MONTHLY<br>BENEFIT<br>(\$000) | ANNUAL<br>BENEFIT<br>(\$000) | NOMINAL<br>(\$000) | PW<br>(\$000) | CUMUL.<br>PW<br>(\$000) |
| 2001 | 609,933         | 3.586                    | 3.887                    | 0.301                     | 1,836                        | 207,414   | 1.41                    | 6.97                    | 5.56                     | 1,154                         | 13,846                       | 15,682             | 11,928        | 11,928                  |
| 2002 | 572,874         | 3.586                    | 3.887                    | 0.301                     | 1,724                        | 215,168   | 1.41                    | 6.97                    | 5.56                     | 1,197                         | 14,364                       | 16,088             | 11,170        | 23,098                  |
| 2003 | 568,983         | 3.586                    | 3.887                    | 0.301                     | 1,713                        | 215,668   | 1.41                    | 6.97                    | 5.56                     | 1,200                         | 14,397                       | 16,110             | 10,210        | 33,308                  |
| 2004 | 577,553         | 3.586                    | 3.887                    | 0.301                     | 1,738                        | 216,368   | 1.41                    | 6.97                    | 5.56                     | 1,204                         | 14,444                       | 16,182             | 9,362         | 42,670                  |
| 2005 | 586,494         | 3.586                    | 3.887                    | 0.301                     | 1,765                        | 216,968   | 1.41                    | 6.97                    | 5.56                     | 1,207                         | 14,484                       | 16,249             | 8,581         | 51,251                  |
| 2006 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 216,968   | 1.41                    | 6.97                    | 5.56                     | 1,207                         | 14,484                       | 16,252             | 7,835         | 59,086                  |
| 2007 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 209,433   | 1.41                    | 6.97                    | 5.56                     | 1,165                         | 13,981                       | 15,749             | 6,930         | 66,016                  |
| 2008 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 185,089   | 1.41                    | 6.97                    | 5.56                     | 1,030                         | 12,356                       | 14,124             | 5,673         | 71,689                  |
| 2009 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 184,317   | 1.41                    | 6.97                    | 5.56                     | 1,025                         | 12,304                       | 14,073             | 5,160         | 76,849                  |
| 2010 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 183,157   | 1.41                    | 6.97                    | 5.56                     | 1,019                         | 12,227                       | 13,995             | 4,684         | 81,533                  |
| 2011 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 181,322   | 1.41                    | 6.97                    | 5.56                     | 1,009                         | 12,104                       | 13,873             | 4,238         | 85,772                  |
| 2012 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 180,356   | 1.41                    | 6.97                    | 5.56                     | 1,003                         | 12,040                       | 13,808             | 3,851         | 89,623                  |
| 2013 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 179,293   | 1.41                    | 6.97                    | 5.56                     | 997                           | 11,969                       | 13,737             | 3,497         | 93,120                  |
| 2014 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 179,003   | 1.41                    | 6.97                    | 5.56                     | 996                           | 11,950                       | 13,718             | 3,188         | 96,308                  |
| 2015 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 176,782   | 1.41                    | 6.97                    | 5.56                     | 983                           | 11,801                       | 13,570             | 2,878         | 99,186                  |
| 2016 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 2,605         | 101,791                 |
| 2017 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 2,378         | 104,169                 |
| 2018 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 2,171         | 106,340                 |
| 2019 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 1,981         | 108,321                 |
| 2020 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 1,809         | 110,130                 |
| 2021 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 1,651         | 111,781                 |
| 2022 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 1,507         | 113,288                 |
| 2023 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 1,376         | 114,664                 |
| 2024 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 1,256         | 115,919                 |
| 2025 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 1,146         | 117,066                 |
| 2026 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 1,046         | 118,112                 |
| 2027 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 955           | 119,067                 |
| 2028 | 587,494         | 3.586                    | 3.887                    | 0.301                     | 1,768                        | 175,043   | 1.41                    | 6.97                    | 5.56                     | 974                           | 11,685                       | 13,454             | 872           | 119,939                 |

> COLUMNS (5) AND (10) REPRESENT THE DIFFERENCE IN THE GSLD AND IS-3 RATES UNDER THE COMPANY'S CURRENT RATES. DEMAND IS IN \$/KW OF BILLING DEMAND AND ENERGY IS IN \$/KWH.  
 > COLUMN (14) IS THE PRESENT WORTH BENEFIT OF THE TRANSFER OF EXISTING IS-3 LOAD TO THE GSLD RATE. THE NOMINAL BENEFIT, COLUMN (13), IS THE SUM OF THE ANNUAL ENERGY BENEFIT, COLUMN (6), AND THE ANNUAL BILLING DEMAND BENEFIT, COLUMN (12). THE ANNUAL BILLING DEMAND BENEFIT IS THE MONTHLY BENEFIT IN COLUMN (11) x 12 MONTHS PER YEAR.

1998 COST-EFFECTIVENESS REVIEW OF IS-3 PROGRAM

TABLE 1

CALCULATION OF PROJECTED IS-3 ENERGY CHARGE  
2001 PROJECTED NON-FIRM LOAD & OCTOBER 1998 - DECEMBER 1998 TARIFF RATES

|                                    | (1) STANDARD |         | (2) TIME OF DAY |           |              |            | (7) TOTAL |
|------------------------------------|--------------|---------|-----------------|-----------|--------------|------------|-----------|
|                                    | PRIMARY      | 69 KV   | (3) ON PEAK     |           | (4) OFF PEAK |            |           |
|                                    |              |         | PRIMARY         | 69 KV     | PRIMARY      | 69 KV      |           |
| ENERGY (MWH)                       | 142,264      | 0       | 99,845          | 30,048    | 266,253      | 80,128     | 618,538   |
| ENERGY (¢/kWh)                     | 1.327        | 1.327   | 1.327           | 1.327     | 1.327        | 1.327      |           |
| ENERGY (\$) (\$)                   | 188,784      | 0.000   | 132,494         | 39873.741 | 353,318      | 106329.976 | 820,800   |
| VOLTAGE DISC. (¢/kWh)              | NA           | (0.013) | NA              | (0.013)   | NA           | (0.013)    |           |
| VOLTAGE DISC. (\$) (\$)            | NA           | (0.000) | NA              | (398.737) | NA           | (1063.300) | (1,462)   |
| FUEL (¢/kWh)                       | 2.264        | 2.264   | 3.206           | 3.206     | 1.811        | 1.811      |           |
| FUEL (\$) (\$)                     | 322,085      | 0.000   | 320,103         | 96333.997 | 482,185      | 145111.972 | 1,365,818 |
| CONSERVATION (¢/kWh)               | 0.011        | 0.011   | 0.011           | 0.011     | 0.011        | 0.011      |           |
| CONSERVATION (\$) (\$)             | 1,565        | 0.000   | 1,098           | 331       | 2,929        | 881        | 6,804     |
| CAPACITY (¢/kWh)                   | 0.011        | 0.011   | 0.011           | 0.011     | 0.011        | 0.011      |           |
| CAPACITY (\$) (\$)                 | 1,565        | 0.000   | 1,098           | 331       | 2,929        | 881        | 6,804     |
| ENVIRONMENTAL (¢/kWh)              | 0.031        | 0.031   | 0.031           | 0.031     | 0.031        | 0.031      |           |
| ENVIRONMENTAL (\$) (\$)            | 4,410        | 0.000   | 3,095           | 931       | 8,254        | 2,484      | 19,175    |
| ENERGY CHARGE W/ DISCOUNTS (¢/kWh) | 3.644        | 3.631   | 4.586           | 4.573     | 3.191        | 3.178      | 3.586     |

CALCULATION OF PROJECTED GSLD ENERGY CHARGE  
1999 PROJECTED NON-FIRM LOAD & OCTOBER 1998 - DECEMBER 1998 TARIFF RATES

|                                    | (1) STANDARD |         | (2) TIME OF DAY |         |              |         | (7) TOTAL |
|------------------------------------|--------------|---------|-----------------|---------|--------------|---------|-----------|
|                                    | PRIMARY      | 69 KV   | (3) ON PEAK     |         | (4) OFF PEAK |         |           |
|                                    |              |         | PRIMARY         | 69 KV   | PRIMARY      | 69 KV   |           |
| ENERGY (MWH)                       | 142,264      | 0       | 99,845          | 30,048  | 266,253      | 80,128  | 618,538   |
| ENERGY (¢/kWh)                     | 1.37         | 1.370   | 2.198           | 2.198   | 1.008        | 1.008   |           |
| ENERGY (\$) (\$)                   | 194,901      | 0.000   | 219,459         | 66,046  | 268,383      | 80,769  | 829,558   |
| VOLTAGE DISC. (¢/kWh)              | (0.014)      | (0.027) | (0.022)         | (0.044) | (0.010)      | (0.020) |           |
| VOLTAGE DISC. (\$) (\$)            | (1,949)      | (0)     | (2,195)         | (1,321) | (2,684)      | (1,615) | (9,764)   |
| FUEL (¢/kWh)                       | 2.340        | 2.340   | 3.314           | 3.314   | 1.872        | 1.872   |           |
| FUEL (\$) (\$)                     | 332,897      | 0.000   | 330,886         | 99,579  | 498,426      | 150,000 | 1,411,788 |
| CONSERVATION (¢/kWh)               | 0.124        | 0.124   | 0.124           | 0.124   | 0.124        | 0.124   |           |
| CONSERVATION (\$) (\$)             | 17,641       | 0.000   | 12,381          | 3,726   | 33,015       | 9,936   | 76,699    |
| CAPACITY (¢/kWh)                   | 0.123        | 0.123   | 0.123           | 0.123   | 0.123        | 0.123   |           |
| CAPACITY (\$) (\$)                 | 17,498       | 0.000   | 12,281          | 3,696   | 32,749       | 9,856   | 76,080    |
| ENVIRONMENTAL (¢/kWh)              | 0.032        | 0.032   | 0.032           | 0.032   | 0.032        | 0.032   |           |
| ENVIRONMENTAL (\$) (\$)            | 4,552        | 0.000   | 3,195           | 962     | 8,520        | 2,564   | 19,793    |
| ENERGY CHARGE W/ DISCOUNTS (¢/kWh) | 3.975        | 3.962   | 5.769           | 5.747   | 3.149        | 3.139   | 3.887     |

CALCULATION OF PROJECTED IS-3 DEMAND CHARGE  
1999 PROJECTED NON-FIRM LOAD & OCTOBER 1998 - DECEMBER 1998 TARIFF RATES

|                                    | (1) STANDARD |         | (2) TIME OF DAY |         | (5) TOTAL |
|------------------------------------|--------------|---------|-----------------|---------|-----------|
|                                    | PRIMARY      | 69 KV   | PRIMARY         | 69 KV   |           |
| BILLING DEMAND (kW)                | 61873        | 0       | 104340          | 31401   | 197,614   |
| DEMAND (\$/kW)                     | 1.45         | 1.45    | 1.45            | 1.45    |           |
| DEMAND (\$) (\$)                   | 89,716       | 0       | 151,293         | 45,531  | 286,540   |
| VOLTAGE DISC. (\$/kW)              | NA           | (0.015) | NA              | (0.015) |           |
| VOLTAGE DISC. (\$) (\$)            | NA           | (0)     | NA              | (455)   | (455)     |
| TRANSFORMER DISC. (\$/kW)          | NA           | (0.23)  | NA              | (0.23)  |           |
| TRANSFORMER DISC. (\$) (\$)        | NA           | (0)     | NA              | (7,222) | (7,222)   |
| DEMAND CHARGE W/ DISCOUNTS (\$/kW) | 1.45         | 1.21    | 1.45            | 1.21    | 1.411     |

CALCULATION OF PROJECTED GSLD DEMAND CHARGE  
1999 PROJECTED NON-FIRM LOAD & OCTOBER 1998 - DECEMBER 1998 TARIFF RATES

|                                    | (1) STANDARD |         | (2) TIME OF DAY |          | (5) TOTAL |
|------------------------------------|--------------|---------|-----------------|----------|-----------|
|                                    | PRIMARY      | 69 KV   | PRIMARY         | 69 KV    |           |
| BILLING DEMAND (kW)                | 61873        | 0       | 104340          | 31401    | 197,614   |
| DEMAND (\$/kW)                     | 7.250        | 7.250   | 7.440           | 7.440    |           |
| DEMAND (\$) (\$)                   | 448,579      | 0       | 776,291         | 233,622  | 1,458,492 |
| VOLTAGE DISC. (\$/kW)              | (0.073)      | (0.145) | (0.074)         | (0.149)  |           |
| VOLTAGE DISC. (\$) (\$)            | (4,486)      | (0)     | (7,763)         | (4,672)  | (16,921)  |
| TRANSFORMER DISC. (\$/kW)          | (0.36)       | (0.59)  | (0.36)          | (0.59)   |           |
| TRANSFORMER DISC. (\$) (\$)        | (17,374)     | (0)     | (27,458)        | (18,527) | (63,359)  |
| DEMAND CHARGE W/ DISCOUNTS (\$/kW) | 6.82         | 6.52    | 7.01            | 6.70     | 6.974     |