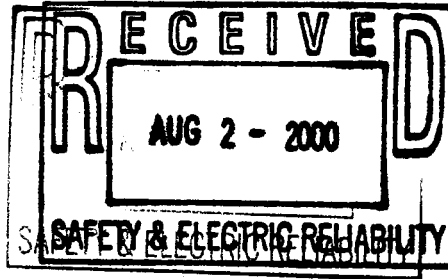


ORIGINAL

One Energy Place
Pensacola, Florida 32520

850.444.6111



July 31, 2000

Mr. Michael S. Haff
Engineer IV
Bureau of Electric Reliability/Conservation
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee FL 32399-0850

000000-PU

Dear Mr. Haff:

Attached is Gulf Power Company's response to the Supplemental Data Request/2000 Ten-Year Site Plans that you requested in your letter dated June 8, 2000.

Sincerely,

Susan D. Ritenour

Susan D. Ritenour
Assistant Secretary and Assistant Treasurer

lw

Enclosure

- APP _____
- CAF _____
- CMP _____
- COM _____
- CTR _____
- ECR _____
- LEG _____
- OPC _____
- PAI _____
- RGO _____
- SEC _____
- SER _____
- OTH _____

cc: Beggs and Lane
Jeffrey A. Stone, Esquire

DOCUMENT NUMBER-DATE

10057 AUG 17 8

FPSC-REGULATORY REPORTING

1. Provide all data requested on the attached forms. If any of the requested data is already included in Gulf's Ten-Year Site Plan, state so on the appropriate form.

ANSWER: Attached are the completed forms. As in previous years, some of the "high" and "low" case scenarios are not performed on an annual basis and are depicted on the forms as "Not Available."

2. Discuss the major updates occurring since last year's IRP which caused Gulf to have a different expansion plan this year than last. Discuss when the Southern Company plans to perform its next "full-blown" integrated resource planning process.

ANSWER: With the need to maintain a 15% Southern electric system reserve margin target coupled with higher load growth projections and the retirement of Smith A in December 2006, additional generation is now needed in 2007. Last Year's TYSP did not indicate additional generation in the planning horizon beyond that of Smith Unit 3 in 2002. The next Southern electric system "full-blown" IRP will become effective in January 2001.

3. Identify and discuss any firm power purchases that Gulf expects to make from other utilities over the planning horizon. Include purchases from other Southern Company members. If an unidentified or unconfirmed future power purchase is part of Gulf's generation expansion plan, explain the nature of that purchase.

ANSWER: Gulf has two firm power purchases; (1) from an electric utility in Louisiana and (2) from an independent power producer in Georgia. Both of these arrangements amount to a total of 293 megawatts and expire after the summer of 2001. Gulf plans to make up any capacity deficits through the use of short-term market purchases for the summer peak periods.

4. For each seasonal peak over the ten-year planning horizon, provide a table containing the annual forecasted reserve margin for the Southern Company system.

ANSWER: Southern Projected Reserve Margin

| <u>Year</u> | <u>% Reserves</u> |
|-------------|-------------------|
| 2000 | 13.5 |
| 2001 | 13.5 |
| 2002 | 13.5 |
| 2003 | 15.0 |
| 2004 | 15.0 |
| 2005 | 15.0 |
| 2006 | 15.0 |
| 2007 | 15.0 |
| 2008 | 15.0 |
| 2009 | 15.0 |

5. For each of the generating unit contained in Gulf's Ten-Year Site Plan, discuss the "drop dead" date for a decision on whether or not to construct each unit. Provide a time line for the construction of each unit, including regulatory approval, final decision point, and vendor order.

ANSWER: The following basic assumptions and time line estimates are common to all three of Gulf's future capacity additions shown in the 2000 Ten-Year Site plan beyond Smith Unit 3:

1. The units will be combustion turbines.
2. The units will be built outside of Florida and Gulf will merely share ownership in a portion of the facility.
3. The final decision point would occur after and exclusive of any solicitation of market source alternatives.
4. The decision point to move forward with construction of a combustion turbine is 36 months prior to the commercial in-service date.
5. The permitting and certification period for these units in the non-Florida jurisdictions will be conducted during the period of 34 through 27 months prior to commercial in-service.
6. Major equipment orders will be placed beginning at 30 months prior to the commercial in-service date. Engineering of the balance of plant (BOP) equipment will begin at the same time as major equipment is ordered.
7. Actual construction of the unit will begin with land clearing and site preparation at approximately 24 months before commercial operation.

6. Discuss Gulf's plan to meet reserve margin shortfalls forecasted for the following seasons: summer of 2000; and winter of 2000-2001 and 2001-2002.

ANSWER: Gulf is an integral part of the Southern electric system (SES) and therefore, can have planned reserve margins that fall below its individual company planning target as long as the SES has sufficient resources to meet their overall reserve margin target. During the period referenced above, the SES will have sufficient capacity resources to maintain its target reserve margin and thereby, support Gulf's temporary deficit in resources.

7. Identify and discuss all proposed or reasonably expected State and Federal environmental regulations or legislation that impacted Gulf's generation expansion plan.

ANSWER: There were no new proposed or reasonably expected State or Federal environmental regulations or legislation that had any incremental effect on Gulf's capacity resource plans during this planning cycle.

8. Provide, on a system-wide basis, historical annual heating degree day (HDD) data for the period 1990 – 1999 and forecasted annual HDD data for the period 2000 – 2009.

ANSWER:

| | Heating Degree Days Base 65 |
|------|--------------------------------------|
| 1990 | 1015 |
| 1991 | 1318 |
| 1992 | 1354 |
| 1993 | 1504 |
| 1994 | 1232 |
| 1995 | 1459 |
| 1996 | 1714 |
| 1997 | 1887 |
| 1998 | 1212 |
| 1999 | 1276 |
| 2000 | 1571 |
| 2001 | 1571 |
| 2002 | 1571 |
| 2003 | 1571 |
| 2004 | 1571 |
| 2005 | 1571 |
| 2006 | 1571 |
| 2007 | 1571 |
| 2008 | 1571 |
| 2009 | 1571 |

9. Provide, on a system-wide basis, historical annual cooling degree day (CDD) data for the period 1990 – 1999 and forecasted annual CDD data for the period 2000 – 2009.

ANSWER:

| | Cooling Degree Days Base 65 |
|------|--------------------------------------|
| 1990 | 2831 |
| 1991 | 2895 |
| 1992 | 2578 |
| 1993 | 2686 |
| 1994 | 2658 |
| 1995 | 2771 |
| 1996 | 2682 |
| 1997 | 2492 |
| 1998 | 3062 |
| 1999 | 2670 |
| 2000 | 2680 |
| 2001 | 2680 |
| 2002 | 2680 |
| 2003 | 2680 |
| 2004 | 2680 |
| 2005 | 2680 |
| 2006 | 2680 |
| 2007 | 2680 |
| 2008 | 2680 |
| 2009 | 2680 |

10. Provide, on a system-wide basis, the historical annual average real retail price of electricity in Gulf's service territory for the period 1990 – 1999. Also, provide the forecasted annual average real retail price of electricity in Gulf's service territory for the period 2000 – 2009. Indicate the type of price deflator used to calculate the historical prices and forecasted real retail prices.

ANSWER:

Annual Average Real Retail Price of Electricity
Deflated with the Gross Domestic Product
price deflator to 1987\$

| | Retail Cents per KWH Real 1987\$ |
|------|--|
| 1990 | 4.96 |
| 1991 | 4.95 |
| 1992 | 4.69 |
| 1993 | 4.66 |
| 1994 | 4.68 |
| 1995 | 4.70 |
| 1996 | 4.57 |
| 1997 | 4.35 |
| 1998 | 3.99 |
| 1999 | 3.91 |
| 2000 | 3.87 |
| 2001 | 3.81 |
| 2002 | 3.82 |
| 2003 | 3.85 |
| 2004 | 3.78 |
| 2005 | 3.75 |
| 2006 | 3.71 |
| 2007 | 3.67 |
| 2008 | 3.64 |
| 2009 | 3.56 |

11. Provide the following data to support Schedule 4 of Gulf's Ten-Year Site Plan: the 12 monthly peak demands for the years 1997, 1998, 1999; and the date on which these monthly peaks occurred.

ANSWER:

| 1997 | | 1998 | | 1999 | |
|----------|-------|----------|-------|----------|-------|
| DATE | PEAK | DATE | PEAK | DATE | PEAK |
| 1/17/97 | 1,852 | 01/26/98 | 1,486 | 01/05/99 | 2,093 |
| 2/11/97 | 1,542 | 02/09/98 | 1,518 | 02/22/99 | 1,619 |
| 3/26/97 | 1,255 | 03/13/98 | 1,692 | 03/15/99 | 1,388 |
| 4/22/97 | 1,289 | 04/15/98 | 1,335 | 04/24/99 | 1,611 |
| 5/27/97 | 1,790 | 05/28/98 | 1,918 | 05/25/99 | 1,767 |
| 6/16/97 | 1,861 | 06/18/98 | 2,112 | 06/04/99 | 1,947 |
| 7/3/97 | 2,040 | 07/06/98 | 2,112 | 07/29/99 | 2,168 |
| 8/18/97 | 2,010 | 08/27/98 | 2,154 | 08/13/99 | 2,169 |
| 9/3/97 | 1,998 | 09/23/98 | 1,988 | 09/07/99 | 1,952 |
| 10/1/97 | 1,735 | 10/02/98 | 1,787 | 10/03/99 | 1,628 |
| 11/17/97 | 1,526 | 11/02/98 | 1,369 | 11/04/99 | 1,355 |
| 12/16/97 | 1,639 | 12/18/98 | 1,462 | 12/02/99 | 1,503 |

Schedule 3.1.3
History and Forecast of Summer Peak Demand - MW
High Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
|-------------|--------------|------------------|---------------|----------------------|--|-------------------------------------|---|----------------------------------|----------------------------|
| <u>Year</u> | <u>Total</u> | <u>Wholesale</u> | <u>Retail</u> | <u>Interruptible</u> | <u>Residential Load Management</u> | <u>Residential Conservation</u> | <u>Comm/Ind Load Management</u> | <u>Comm/Ind Conservation</u> | <u>Net Firm Demand</u> |
| history: | | | | | | | | | |
| 1990 | | | | | | | | | |
| 1991 | | | | | | | | | |
| 1992 | | | | | | | | | |
| 1993 | | | | | | | | | |
| 1994 | | | | | | | | | |
| 1995 | | | | | | | | | |
| 1996 | | | | | | | | | |
| 1997 | | | | | | | | | |
| 1998 | | | | | | | | | |
| 1999 | | | | | | | | | |
| | | | | | | | | | |
| forecast: | | | | | | | | | |
| 2000 | | | | | | | | | |
| 2001 | | | | | | | | | |
| 2002 | | | | | | | | | |
| 2003 | | | | | | | | | |
| 2004 | | | | | | | | | |
| 2005 | | | | | | | | | |
| 2006 | | | | | | | | | |
| 2007 | | | | | | | | | |
| 2008 | | | | | | | | | |
| 2009 | | | | | | | | | |

NOT AVAILABLE

Schedule 3.1.2
History and Forecast of Summer Peak Demand - MW
Low Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
|-----------|--------------|------------------|---------------|----------------------|------------------------------------|---------------------------------|---------------------------------|------------------------------|------------------------|
| Year | <u>Total</u> | <u>Wholesale</u> | <u>Retail</u> | <u>Interruptible</u> | <u>Residential Load Management</u> | <u>Residential Conservation</u> | <u>Comm/Ind Load Management</u> | <u>Comm/Ind Conservation</u> | <u>Net Firm Demand</u> |
| history: | | | | | | | | | |
| 1990 | | | | | | | | | |
| 1991 | | | | | | | | | |
| 1992 | | | | | | | | | |
| 1993 | | | | | | | | | |
| 1994 | | | | | | | | | |
| 1995 | | | | | | | | | |
| 1996 | | | | | | | | | |
| 1997 | | | | | | | | | |
| 1998 | | | | | | | | | |
| 1999 | | | | | | | | | |
| | | | | | | | | | |
| forecast: | | | | | | | | | |
| 2000 | | | | | | | | | |
| 2001 | | | | | | | | | |
| 2002 | | | | | | | | | |
| 2003 | | | | | | | | | |
| 2004 | | | | | | | | | |
| 2005 | | | | | | | | | |
| 2006 | | | | | | | | | |
| 2007 | | | | | | | | | |
| 2008 | | | | | | | | | |
| 2009 | | | | | | | | | |

NOT AVAILABLE

Schedule 3.2.3
History and Forecast of Winter Peak Demand - MW
High Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | |
|-------------|--------------|------------------|---------------|----------------------|--|-------------------------------------|---|----------------------------------|----------------------------|--|
| <u>Year</u> | <u>Total</u> | <u>Wholesale</u> | <u>Retail</u> | <u>Interruptible</u> | <u>Residential Load Management</u> | <u>Residential Conservation</u> | <u>Comm/Ind Load Management</u> | <u>Comm/Ind Conservation</u> | <u>Net Firm Demand</u> | |
| history: | | | | | | | | | | |
| 89-90 | | | | | | | | | | |
| 90-91 | | | | | | | | | | |
| 91-92 | | | | | | | | | | |
| 92-93 | | | | | | | | | | |
| 93-94 | | | | | | | | | | |
| 94-95 | | | | | | | | | | |
| 95-96 | | | | | | | | | | |
| 96-97 | | | | | | | | | | |
| 97-98 | | | | | | | | | | |
| 98-99 | | | | | | | | | | |
| | | | | | NOT AVAILABLE | | | | | |
| forecast: | | | | | | | | | | |
| 99-00 | | | | | | | | | | |
| 00-01 | | | | | | | | | | |
| 01-02 | | | | | | | | | | |
| 02-03 | | | | | | | | | | |
| 03-04 | | | | | | | | | | |
| 04-05 | | | | | | | | | | |
| 05-06 | | | | | | | | | | |
| 06-07 | | | | | | | | | | |
| 07-08 | | | | | | | | | | |
| 08-09 | | | | | | | | | | |

Schedule 3.2.2
History and Forecast of Winter Peak Demand - MW
Low Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
|-------------|--------------|------------------|---------------|----------------------|------------------------------------|---------------------------------|---------------------------------|------------------------------|------------------------|
| <u>Year</u> | <u>Total</u> | <u>Wholesale</u> | <u>Retail</u> | <u>Interruptible</u> | <u>Residential Load Management</u> | <u>Residential Conservation</u> | <u>Comm/Ind Load Management</u> | <u>Comm/Ind Conservation</u> | <u>Net Firm Demand</u> |
| history: | | | | | | | | | |
| 89-90 | | | | | | | | | |
| 90-91 | | | | | | | | | |
| 91-92 | | | | | | | | | |
| 92-93 | | | | | | | | | |
| 93-94 | | | | | | | | | |
| 94-95 | | | | | | | | | |
| 95-96 | | | | | | | | | |
| 96-97 | | | | | | | | | |
| 97-98 | | | | | | | | | |
| 98-99 | | | | | | | | | |
| | | | | | NOT AVAILABLE | | | | |
| forecast: | | | | | | | | | |
| 99-00 | | | | | | | | | |
| 00-01 | | | | | | | | | |
| 01-02 | | | | | | | | | |
| 02-03 | | | | | | | | | |
| 03-04 | | | | | | | | | |
| 04-05 | | | | | | | | | |
| 05-06 | | | | | | | | | |
| 06-07 | | | | | | | | | |
| 07-08 | | | | | | | | | |
| 08-09 | | | | | | | | | |

Schedule 3.3.3
 History and Forecast of Annual Net Energy for Load - GWH
 High Case

| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | |
|-------------|--------------|---------------------------------|------------------------------|---------------|------------------|---------------------------------|----------------------------|----------------------|-----|--|
| <u>Year</u> | <u>Total</u> | <u>Residential Conservation</u> | <u>Comm/Ind Conservation</u> | <u>Retail</u> | <u>Wholesale</u> | <u>Utility Use & Losses</u> | <u>Net Energy for Load</u> | <u>Load Factor %</u> | | |
| history: | | | | | | | | | | |
| 1990 | | | | | | | | | | |
| 1991 | | | | | | | | | | |
| 1992 | | | | | | | | | | |
| 1993 | | | | | | | | | | |
| 1994 | | | | | | | | | | |
| 1995 | | | | | | | | | | |
| 1996 | | | | | | | | | | |
| 1997 | | | | | | | | | | |
| 1998 | | | | | | | | | | |
| 1999 | | | | | | | | | | |
| | | | | | NOT AVAILABLE | | | | | |
| forecast: | | | | | | | | | | |
| 2000 | | | | | | | | | | |
| 2001 | | | | | | | | | | |
| 2002 | | | | | | | | | | |
| 2003 | | | | | | | | | | |
| 2004 | | | | | | | | | | |
| 2005 | | | | | | | | | | |
| 2006 | | | | | | | | | | |
| 2007 | | | | | | | | | | |
| 2008 | | | | | | | | | | |
| 2009 | | | | | | | | | | |

Schedule 3.3.2
 History and Forecast of Annual Net Energy for Load - GWH
 Low Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | |
|-------------|--------------|---------------------------------|------------------------------|---------------|------------------|---------------------------------|----------------------------|----------------------|--|
| <u>Year</u> | <u>Total</u> | <u>Residential Conservation</u> | <u>Comm/Ind Conservation</u> | <u>Retail</u> | <u>Wholesale</u> | <u>Utility Use & Losses</u> | <u>Net Energy for Load</u> | <u>Load Factor %</u> | |
| history: | | | | | | | | | |
| 1990 | | | | | | | | | |
| 1991 | | | | | | | | | |
| 1992 | | | | | | | | | |
| 1993 | | | | | | | | | |
| 1994 | | | | | | | | | |
| 1995 | | | | | | | | | |
| 1996 | | | | | | | | | |
| 1997 | | | | | | | | | |
| 1998 | | | | | | | | | |
| 1999 | | | | | | | | | |
| | | | | NOT AVAILABLE | | | | | |
| forecast: | | | | | | | | | |
| 2000 | | | | | | | | | |
| 2001 | | | | | | | | | |
| 2002 | | | | | | | | | |
| 2003 | | | | | | | | | |
| 2004 | | | | | | | | | |
| 2005 | | | | | | | | | |
| 2006 | | | | | | | | | |
| 2007 | | | | | | | | | |
| 2008 | | | | | | | | | |
| 2009 | | | | | | | | | |

Existing Generating Unit Operating Performance

| (1) Plant Name | (2) Unit No. | (3) Planned Outage Factor (POF) | | (4) Forced Outage Factor (FOF) | | (5) Equivalent Availability Factor (EAF) | | (6) Average Net Operating Heat Rate (ANOHR) | |
|-------------------|-----------------|------------------------------------|-----------|-----------------------------------|-----------|---|-----------|--|-----------|
| | | Historical | Projected | Historical | Projected | Historical | Projected | Historical | Projected |
| | | | | | | | | | |
| Crist | 1 | .66 | 3.83 | .12 | .35 | 98.04 | 95.81 | 16,430 | 16,275 |
| | 2 | .71 | 3.83 | .39 | .43 | 98.10 | 95.74 | 16,163 | 15,947 |
| | 3 | 2.81 | 3.83 | .51 | .49 | 96.48 | 95.68 | 15,100 | 14,687 |
| | 4 | 10.87 | 8.60 | 2.34 | 2.75 | 85.44 | 88.65 | 10,590 | 10,199 |
| | 5 | 12.44 | 7.83 | 3.46 | 3.65 | 83.33 | 88.52 | 10,401 | 10,134 |
| | 6 | 7.73 | 9.36 | 1.78 | 3.68 | 87.44 | 86.95 | 10,640 | 10,455 |
| | 7 | 9.04 | 9.17 | 8.20 | 5.86 | 79.53 | 84.97 | 10,298 | 10,168 |
| Scholz | 1 | 15.40 | 6.27 | 4.58 | 1.60 | 76.44 | 92.13 | 12,612 | 12,396 |
| | 2 | 2.63 | 7.61 | 4.03 | 1.01 | 91.67 | 91.38 | 12,508 | 12,512 |
| Smith | 1 | 10.57 | 9.06 | 1.87 | 2.38 | 85.96 | 88.56 | 10,160 | 10,041 |
| | 2 | 11.57 | 8.38 | 2.40 | 2.39 | 85.39 | 89.23 | 10,086 | 10,155 |
| | A | 0.00 | 0.00 | 2.28 | .02 | 75.38 | 99.98 | 14,316 | 14,102 |
| Daniel | 1 | 17.98 | 9.69 | 4.10 | 4.38 | 72.18 | 85.93 | 10,442 | 10,027 |
| | 2 | 12.88 | 9.88 | 3.07 | 4.35 | 75.76 | 85.77 | 10,257 | 10,043 |
| Scherer | 3 | 7.14 | 5.94 | 2.00 | 2.75 | 89.70 | 91.31 | 10,291 | 10,218 |

**NOTE: Historical – Average of the past three years
Projected – Average of the next ten years**

Utility: Gulf Power Company

Nominal, Delivered Residual Oil Prices
Base Case

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

Residual Oil (By Sulfur Content)

| Year | Less Than 0.7% | | | 0.7 - 2.0% | | | Greater Than 2.0% | | |
|-----------|----------------|--------|--------------|------------|--------|--------------|-------------------|--------|--------------|
| | \$/BBL | c/MBTU | Escalation % | \$/BBL | c/MBTU | Escalation % | \$/BBL | c/MBTU | Escalation % |
| history: | | | | | | | | | |
| 1997 | | | | | | | | | |
| 1998 | | | | | None | | | | |
| 1999 | | | | | | | | | |
| forecast: | | | | | | | | | |
| 2000 | | | | | | | | | |
| 2001 | | | | | | | | | |
| 2002 | | | | | | | | | |
| 2003 | | | | | | | | | |
| 2004 | | | | | None | | | | |
| 2005 | | | | | | | | | |
| 2006 | | | | | | | | | |
| 2007 | | | | | | | | | |
| 2008 | | | | | | | | | |
| 2009 | | | | | | | | | |

Utility: Gulf Power Company

Nominal, Delivered Residual Oil Prices
High Case

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

Residual Oil (By Sulfur Content)

| Year | Less Than 0.7% | | Escalation | 0.7 - 2.0% | | Escalation | Greater Than 2.0% | | Escalation |
|------|----------------|--------|------------|------------|--------|------------|-------------------|--------|------------|
| | \$/BBL | c/MBTU | % | \$/BBL | c/MBTU | % | \$/BBL | C/MBTU | % |

None

Utility: Gulf Power Company

Nominal, Delivered Residual Oil Prices
Low Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
|----------------------------------|----------------|--------|------------|------------|--------|------------|-------------------|--------|------------|
| Residual Oil (By Sulfur Content) | | | | | | | | | |
| Year | Less Than 0.7% | | Escalation | 0.7 - 2.0% | | Escalation | Greater Than 2.0% | | Escalation |
| | \$/BBL | c/MBTU | % | \$/BBL | c/MBTU | % | \$/BBL | C/MBTU | % |

None

Utility: Gulf Power Company

Nominal, Delivered Distillate Oil and Natural Gas Prices
Base Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
|-----------|----------------|---------------|---------------------|---------------|---------------|---------------------|
| Year | Distillate Oil | | | Natural Gas | | |
| | <u>\$/BBL</u> | <u>c/MBTU</u> | <u>Escalation %</u> | <u>c/MBTU</u> | <u>\$/MCF</u> | <u>Escalation %</u> |
| history: | | | | | | |
| 1997 | 25.87 | 446 | 2.5 | 237 | 2.51 | -24.8 |
| 1998 | 19.87 | 341 | -23.5 | 222 | 2.38 | -6.3 |
| 1999 | 20.62 | 355 | 4.1 | 240 | 2.52 | 8.1 |
| forecast: | | | | | | |
| 2000 | 21.55 | 365 | 2.8 | 261 | 2.69 | 9.0 |
| 2001 | 22.58 | 382 | 4.8 | 293 | 3.02 | 12.2 |
| 2002 | 23.77 | 402 | 5.3 | 306 | 3.15 | 4.2 |
| 2003 | 25.01 | 423 | 5.2 | 310 | 3.19 | 1.4 |
| 2004 | 25.72 | 436 | 2.8 | 315 | 3.25 | 1.7 |
| 2005 | 26.48 | 448 | 2.9 | 289 | 2.98 | -8.2 |
| 2006 | 27.79 | 471 | 5.0 | 279 | 2.87 | -3.7 |
| 2007 | 29.15 | 494 | 4.9 | 270 | 2.78 | -3.2 |
| 2008 | 30.58 | 518 | 4.9 | 273 | 2.82 | 1.4 |
| 2009 | 31.79 | 538 | 3.9 | 290 | 2.98 | 5.9 |

ASSUMPTIONS FOR DISTILLATE OIL: 140,620 BTU/GAL, 0% ash, 0.50% sulfur

Note: MBTU = 10E6 BTU and MCF = 10E3 CF

Utility: Gulf Power Company

Nominal, Delivered Distillate Oil and Natural Gas Prices
High Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
|-----------|----------------|---------------|---------------------|---------------|---------------|---------------------|
| Year | Distillate Oil | | | Natural Gas | | |
| | <u>\$/BBL</u> | <u>c/MBTU</u> | <u>Escalation %</u> | <u>c/MBTU</u> | <u>\$/MCF</u> | <u>Escalation %</u> |
| history: | | | | | | |
| 1997 | | | | | | |
| 1998 | | | | | | |
| 1999 | | | | | | |
| forecast: | | | | | | |
| 2000 | | | | 286 | 2.95 | |
| 2001 | | | | 321 | 3.30 | 12.1 |
| 2002 | | | | 335 | 3.45 | 4.4 |
| 2003 | | | | 340 | 3.51 | 1.6 |
| 2004 | | | | 346 | 3.56 | 1.6 |
| 2005 | | Not Available | | 315 | 3.25 | -8.9 |
| 2006 | | | | 304 | 3.13 | -3.5 |
| 2007 | | | | 295 | 3.04 | -2.9 |
| 2008 | | | | 300 | 3.09 | 1.5 |
| 2009 | | | | 317 | 3.27 | 5.8 |

ASSUMPTIONS FOR DISTILLATE OIL: 140,620 BTU/GAL, 0% ash, 0.50% sulfur

Note: MBTU = 10E6 BTU and MCF = 10E3 CF

Utility: Gulf Power Company

Nominal, Delivered Distillate Oil and Natural Gas Prices
Low Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
|-----------|----------------|---------------|---------------------|---------------|---------------|---------------------|
| Year | Distillate Oil | | | Natural Gas | | |
| | <u>\$/BBL</u> | <u>c/MBTU</u> | <u>Escalation %</u> | <u>c/MBTU</u> | <u>\$/MCF</u> | <u>Escalation %</u> |
| history: | | | | | | |
| 1997 | | | | | | |
| 1998 | | | | | | |
| 1999 | | | | | | |
| forecast: | | | | | | |
| 2000 | | | | 236 | 2.43 | |
| 2001 | | | | 265 | 2.73 | 12.1 |
| 2002 | | | | 277 | 2.85 | 4.6 |
| 2003 | | | | 282 | 2.90 | 1.7 |
| 2004 | | | | 286 | 2.95 | 1.5 |
| 2005 | | Not Available | | 263 | 2.70 | -8.3 |
| 2006 | | | | 252 | 2.60 | -4.0 |
| 2007 | | | | 244 | 2.51 | -3.2 |
| 2008 | | | | 247 | 2.55 | 1.4 |
| 2009 | | | | 262 | 2.70 | 5.9 |

ASSUMPTIONS FOR DISTILLATE OIL: 140,620 BTU/GAL, 0% ash, 0.50% sulfur

Note: MBTU = 10E6 BTU and MCF = 10E3 CF

Utility: Gulf Power Company

Nominal, Delivered Coal Prices
Base Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
|-----------|--------------------------|--------|--------------|----------------|---------------------------------|--------|--------------|-----------------|--------------------------|--------|--------------|-----------------|
| Year | Low Sulfur Coal (< 1.0%) | | | | Medium Sulfur Coal (1.0 - 2.0%) | | | | High Sulfur Coal (>2.0%) | | | |
| | \$/Ton | c/MBTU | Escalation % | %Spot Purchase | \$/Ton | c/MBTU | Escalation % | % Spot Purchase | \$/Ton | c/MBTU | Escalation % | % Spot Purchase |
| history: | | | | | | | | | | | | |
| 1997 | | | | | 45.46 | 187 | -- | 75.2 | | | | |
| 1998 | | | | | 38.76 | 156 | -16.6 | 56.7 | | | | |
| 1999 | | | | | 38.54 | 149 | -4.4 | 46.0 | | | | |
| forecast: | | | | | | | | | | | | |
| 2000 | | | | | 40.87 | 170 | 14.2 | 20.0 | | | | |
| 2001 | | | | | 42.16 | 175 | 3.1 | 20.0 | | | | |
| 2002 | | | | | 42.87 | 178 | 1.7 | 20.0 | | | | |
| 2003 | | | | | 43.54 | 181 | 1.6 | 20.0 | | | | |
| 2004 | | | | | 44.22 | 184 | 1.6 | 20.0 | | | | |
| 2005 | | | | | 44.91 | 187 | 1.5 | 20.0 | | | | |
| 2006 | | | | | 45.31 | 188 | 0.9 | 20.0 | | | | |
| 2007 | | | | | 46.06 | 191 | 1.7 | 20.0 | | | | |
| 2008 | | | | | 46.57 | 194 | 1.1 | 20.0 | | | | |
| 2009 | | | | | 47.09 | 196 | 1.1 | 20.0 | | | | |

ASSUMPTIONS: Central Appalachia, 12,000 BTU, 9.0% ash

Utility: Gulf Power Company

Nominal, Delivered Coal Prices
High Case

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
|------|--------------------------|--------|--------------|----------------|---------------------------------|--------|--------------|-----------------|--------------------------|--------|--------------|-----------------|
| Year | Low Sulfur Coal (< 1.0%) | | | | Medium Sulfur Coal (1.0 - 2.0%) | | | | High Sulfur Coal (>2.0%) | | | |
| | \$/Ton | c/MBTU | Escalation % | %Spot Purchase | \$/Ton | c/MBTU | Escalation % | % Spot Purchase | \$/Ton | c/MBTU | Escalation % | % Spot Purchase |

Not Available

Utility: Gulf Power Company

Nominal, Delivered Coal Prices
Low Case

| Year | Low Sulfur Coal (< 1.0%) | | | Medium Sulfur Coal (1.0 - 2.0%) | | | High Sulfur Coal (>2.0%) | | | | | | |
|------|--------------------------|--------|--------|---------------------------------|-----------------|-----|--------------------------|-----|-----|------|------|------|------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| | | \$/Ton | c/MBTU | Escalation % | Spot % Purchase | | | | | | | | |
| | | | | | | | | | | | | | |

Not Available

Utility: Gulf Power Company

Nominal, Delivered Nuclear Fuel and Firm Purchases

| Year | Nuclear | | Firm Purchases | |
|-----------|---------|--------------|----------------|--------------|
| | c/MBTU | Escalation % | \$/MWH | Escalation % |
| history: | | | | |
| 1997 | N/A | | N/A | |
| 1998 | | | 78.34 | |
| 1999 | | | 79.52 | 1.5 |
| forecast: | | | | |
| 2000 | | | | |
| 2001 | | | | |
| 2002 | | | | |
| 2003 | | | | |
| 2004 | | | | |
| 2005 | | | | |
| 2006 | | | | |
| 2007 | | | | |
| 2008 | | | | |
| 2009 | | | | |

Utility: Gulf Power Company

Financial Assumptions
Base Case

| | |
|---------------------------|--------------------|
| AFUDC Rate: | 10.55 % |
| Capitalization Ratios: | |
| Debt | 45 % |
| Preferred | 10 % |
| Equity | 45 % |
| Rate of Return: | |
| Debt | 8.00 % |
| Preferred | 8.75 % |
| Equity | 13.50 % |
| Income Tax Rate: | |
| State | 5.5 % |
| Federal | 35.0 % |
| Effective | 38.575 % |
| Other Tax Rate: | |
| Ad Valorem | 1.07 % |
| Discount Rate: | 8.82 % |
| Tax Depreciation Rate: | See adjacent table |

| Tax Depreciation Rates | | |
|------------------------|---------|---------|
| Year | CC | CT |
| 1 | 0.03750 | 0.05000 |
| 2 | 0.07219 | 0.09500 |
| 3 | 0.06677 | 0.08550 |
| 4 | 0.06177 | 0.07700 |
| 5 | 0.05713 | 0.06923 |
| 6 | 0.05285 | 0.06233 |
| 7 | 0.04888 | 0.05905 |
| 8 | 0.04522 | 0.05905 |
| 9 | 0.04462 | 0.05905 |
| 10 | 0.04461 | 0.05905 |
| 11 | 0.04462 | 0.05905 |
| 12 | 0.04461 | 0.05905 |
| 13 | 0.04462 | 0.05905 |
| 14 | 0.04461 | 0.05904 |
| 15 | 0.04462 | 0.05905 |
| 16 | 0.04461 | 0.02952 |
| 17 | 0.04462 | 0.00000 |
| 18 | 0.04461 | 0.00000 |
| 19 | 0.04462 | 0.00000 |
| 20 | 0.04461 | 0.00000 |
| 21 | 0.02231 | 0.00000 |

Utility: Gulf Power Company

Financial Escalation Assumptions

| (1) | (2) | (3) | (4) | (5) |
|------|---------------------------|------------------------------------|---------------------------|------------------------------|
| Year | General Inflation % | Plant Construction Cost % | Fixed O&M Cost % | Variable O&M Cost % |
| 2000 | 2.325 | 2.325 | 2.325 | 2.325 |
| 2001 | 2.325 | 2.325 | 2.325 | 2.325 |
| 2002 | 2.325 | 2.325 | 2.325 | 2.325 |
| 2003 | 2.325 | 2.325 | 2.325 | 2.325 |
| 2004 | 2.325 | 2.325 | 2.325 | 2.325 |
| 2005 | 2.325 | 2.325 | 2.325 | 2.325 |
| 2006 | 2.325 | 2.325 | 2.325 | 2.325 |
| 2007 | 2.325 | 2.325 | 2.325 | 2.325 |
| 2008 | 2.325 | 2.325 | 2.325 | 2.325 |
| 2009 | 2.325 | 2.325 | 2.325 | 2.325 |

Utility: Gulf Power Company

Loss of Load Probability, Reserve Margin,
and Expected Unserved Energy
Base Case Load Forecast

| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
|------|---|---|---|---|-----------------------|---|
| | (A) | | | | | |
| | Annual Isolated | | | Annual Assisted | | |
| Year | Loss of Load Probability (Days/Yr) | Reserve Margin % (Including Firm Purch.) | Expected Unserved Energy (MWH) | Loss of Load Probability (Days/Yr) | Reserve Margin (%) | Expected Unserved Energy (MWH) |
| 2000 | | | | (B) | 12.2 | 301.6 |
| 2001 | | | | | 10.7 | 300.5 |
| 2002 | | | | | 17.3 | 297.2 |
| 2003 | | | | | 16.9 | 150.9 |
| 2004 | | | | | 15.6 | 150.1 |
| 2005 | | | | | 13.4 | 149.5 |
| 2006 | | | | | 14.4 | 149.1 |
| 2007 | | | | | 14.2 | 148.3 |
| 2008 | | | | | 13.7 | 147.7 |
| 2009 | | | | | 11.6 | 147.7 |

Notes:

- (A) Information not available
- (B) LOLP is not used by Gulf Power