APPLICATION NO.
EXHIBIT NO. (SDG\&E - 1)

## SOC

San Diego Gas \& Electric

## 1981 TEST YEAR

COST OF CAPITAL AND RATE OF RETURN

INCLUDING PREPARED TESTIMONY

# BEPUR، TH: PUBLIC UTILITIES COMMISSION OF THE <br> STATE OF CALIFORNIA 

JULY 1980

$$
\begin{aligned}
& \text { COST OF CAPIBIT (SDG\&E-1) } \\
& \text { PREFARED DIRECT TESTIMONY AND RATE OF RETURN PAUL A. WILLIAMS II }
\end{aligned}
$$

1. Q. Mr. Williams, what is the purpose of your testimony in this proceeding?
A. The purpose of my testimony in this proceeding is to demonstrate the increased cost of capital in 1981 and to substantiate the need for an increase in the authorized rate of return from the level adopted in the Company's last General Rate Case Decision 90405 of June 5, 1979
2. Q. Please explain how the cost of capital for Test Year 1981 'was calculated.
A. The cost of capital for Test Year 1981 was calculated using the same methodology as adopted in Decision 90405. For this filing, the cost of lons-term debt and preferred stock was updated; bankers' acceptances were included in the capital structure; and, the return on common equity was kept frozen at 14.5 percent.
3. Q. Why are you leaving the return on equity at the same level as authorized in Decision 90405?
A. An increase in the return on equity is not being requested in this proceeding in keeping with the expedited nature of this case. An increase in the return on equity will certainly be requested in 1982 Test Year case.

SDG\&E is fully aware of the sacrifice it is making in this case regarding the return on common
equity. An increase is definitely in order in light of the 13.9 percent return on common equity authorized for PGandE for 1980 and the continued erosion of earnings due to persistently high inflation. However, the Company believes that expeditious treatment of its request is tantamount to the financial well-being of SDG\&E. Substantial rate relief must be received by January 1, 1981, in order to reverse the steep decline in financial condition projected for the latter half of 1980 , and calendar year 1981.
4. Q. Would you please elaborate on the projected decline in financial condition for 1980 and 1981.
A. Yes. Financial results for the calendar year 1980 are projected to tail-off after the full impact of the 1979 General Rate Case is realized in midyear. The rate of return (shown on Table E) is estimated to be only 8.03 percent, which is over 250 basis points lower than authorized in mid1979. The return on equity is projected to be only 5.32 percent compared to the 14.5 percent authorized in Decision 90405 . Interest coverage, using the matrix method, is expected to decline to 1.59 times, well below the 2.7 times authorized for the 1979 Test Year. Internal generation of cash is projected to be only 3 percent compared to the BBB rated mean of 22 percent. Consequently, SDG\&E must receive significant rate relief by

January 1, 1981, to stem the projected decline in its financial condition.

As far as 1981 is concerned, financial results, without rate relief, would be a disaster. The rate of return would decline to 3.46 percent, and the return on equity would disintegrate to a negative 9.18 percent. Interest coverage would decline to 0.65 times, using the matrix method, and internal generation of cash would be a negative 29 percent. Clearly, it is essential that substantial rate relief be received by January 1 , 1981, to avert the projected financial decline.
5. Q. Mr. Williams, will you please provide a general explanation of this exhibit?
A. Yes. Table A, 1981 Test Year Rate Request Summary, presents key ratemaking results assuming receipt of the requested $\$ 144.8$ million in additional revenues (line 1). Realization of this requested rate relief in an expedited manner is an essential first step toward attainment of the Company's primary financial objective of regaining its Single $A$ bond rating.

The following tables set forth the cost of capital for SDG\&E for the 1981 Test Year. Information is provided on the capital structure and the costs of the capital elements as recorded in 1979 and projected for 1980 as expected and 1981 Test Year.

Historical data on the costs of capital are provided as background information for cost estimates through 1981. In addition, comparisons with the utility industry by credit rating groups are included to substantiate the need for continued improvement in the Company's financial condition. A composite cost of capital is established in the exhibit.
6. Q. What must SDG\&E do to regain its Single $A$ bond rating?
A. The primary goal of achieving a Single A bond rating must be earned through a history of financial improvement, combined with the valid prospect of continued financial well-being. Prospective energy sources, regulatory climate and management are all considered; but, the key elements are financial results and whether the rating agencies feel that the Company's interest and principal payment obligations will be met.

There are three primary financial objectives which are necessary to achieve this goal. They are to:
(1) Improve interest coverage to a level of 3.0 times;
(2) Increase internal generation of cash to greater than 40 percent; and
(3) Limit cash construction expenditures to 10 percent or less of capitalization.

The magnitude of the difficulties in achieving these objectives is demonstrated clearly in Tables $B$ through J .
7. Q. Would authorization of the requested rate relief in this proceeding raise your bond rating to Single A?
A. No. The financial results produced by the requested rate relief in this proceeding are only a first step in the process of regaining SDG\&E's Single A bond rating. However, it is important to realize that this first step is absolutely critical. If substantial and timely rate relief is granted in both the 1981 and 1982 Test Year, SDG\&E should be well on its way to achieving its goal.
8. Q. Would you explain how you determined the embedded cost of preferred stock?
A. Yes. Table B lists the costs of preferred stock for recorded 1979 and projected 1980 and 1981. The embedded cost of preferred stock for 1979 was 8.20 percent, as shown on line 15, column $E$. This is very close to the 8.21 percent adopted in Decision 90405. No preferred stock is planned to be issued in 1980 . In 1981 the Company tentatively plans to iss'e $\$ 25$ million of 12.625 percent Series preference stock. The issuance of this series raises the projected embedded cost of preferred capital stock from the 1979 and 1980
level of 8.20 percent to $8.6 \%$ percent (line 19 , column E). There is no change in methodology in these calculations from previous General Rate Cases.
9. Q. Mr. Williams, would you please explain how you arrived at the embedded cost of long-term debt?
A. Table C lists the embedded cost of long-term debt recorded for December 31, 1979. There is no change in methodology in these calculations from previous General Rate Cases. The embedded cost of long-term debt for 1979 was 8.49 percent, as shown on line 29, column E. This is substantially above the 8.10 percent cost adopted in Decision 90405.

The primary reason for the increase was the 14.85 percent rate incurred on the foreign term loans which were issued in 1979.

As far as the projected embedded cost of long-term debt for 1980 is concerned (Table D), SDG\&E sold $\$ 50$ million of first mortgage bonds in March at 16 peicent and the financing plan has assumed issuance in 1980 of Series $T$ in the amount of $\$ 50$ million. The cost of the second issue is assumed to be 13.5 percent. The embedded cost of long-term debt projected for year-end 1980 is 9.27 percent, as shown on line 12 , column E.

In 1981, assuming receipt of the rate increase requested, SDG\&E anticipates one $\$ 75$ million sale of bonds. The rate of this Series $U$ is assumed to
be 12.125 percent. The projected embedded cost of debt for year-end 1981 is projected to be 9.55 percent (line 20, column E). This represents an increase of over 100 basis points from the recorded 1979 level.
10. Q. How does the actual rate of return for 1979 compare to what was authorized in Decision 90405?
A. As shown on Table E, the authorized rate of return in Decision 90405 was 10.59 percent (line 5 , column C). Actual 1979 results reveal a shortfall of over one whole percent, 105 basis points, to 9.54 percent. Without rate relief in 1980, attrition will take the earned rate of return down another 151 basis points to 8.03 percent (line 15 , column $C$ ).

Of particular concern is the downward pressure on the common equity capitalization ratio. Despite the fact that all sales of common stock have been below book value in the last five years, SDG\&E must continue to issue substantial amounts of common equity. These issues are necessary to finance the Company's ongoing construction program which is comprised of essentially four elements:
(1) San Onofre t'nits 2 and 3 ;
(2) connection of new gas and electric customers;
(3) improvements in system reliability; and (4) the transmission line to the East.

New issues must occur in spite of the dilution of book value that SDG\&E's current shareholders suffer, which effectively constitutes confiscation of their capital. The Company must, at the same time, however, continue to expand its system to provide service to its customers regardless of these circumstances.

In 1979 the Company sold 3 million shares of common stock to the public. In 1980 another 4.5 million shares are planned to be sold. And, in 1981 SDGEE plans to sell publicly 3 million shares of common stock. These sales represent a 38 percent dilution of the total shares outstanding as of year-end 1978. Dividend increases will, of course, have to continue to support this tremendous level of dilution, as well as offset, at least in part, the ravages of inflation.

The common squity ratio for 1979 recorded, shown in Table E, is 37.20 percent (line 6 , column A), compared to the 38.09 percent adopted in Decision 90405 (line 1, column A). The major reason for this shortfall is the fact that the final decision came in the middle of 1979, causing a significant loss in the retained earnings component of common equity for that year. Furthermore, the full impact of the increase in rates authorized will not be experienced until mid-1980.

Substantial increases in the cost of money and the cost of fuel oil and suppressed sales due to
warm weather and price elasticity have eroded, and are projected to even further erode this ratio. Consequently, the common equity ratio calculated for the 1981 Test Year is actually below that adopted for 1979 (see Table F, line 6, column A). The Company's objective is to raise its cummon equity ratio to more than 40 percent, inclusive of leases.
11. Q. Mr. Williams, will you please explain how you derived the capitalization ratios for preferred stock, long-term debt, and bankers' acceptances.
A. Yes. The ratio of preferred stock in the capital structure is projected to decline through 1981. SDG\&E believes that the ratio of preferred stock should be in the 10 to 15 percent range and is, therefore, managing to that level. The major reason for this policy is to reduce the amount of risk inherent in the capital structure. SDG\&E will, though, avail itself of preferred stock as economically justified in the near-term.

As Table E demonstrates, at line 8, column A, the ratio of long-term debt for 1979 recorded was 44.00 percent. This is compared to the 44.99 percent level adopted in Decision 90405 (line 3). The major reason for the decline is the fact that $\$ 150$ million in debt projected to be sold was cut back to $\$ 65$ million due to insufficient debenture indenture coverage in the latter half of 1979. By the end of 1981 the debt tatio is projected to be
44.07 percent, as shown on Table $F$, line 8 , column A. As in the case of common equity, this ratio is lower than adopted in Decision 90405 because of the tremendous increase in the proportion of bankers' acceptances in the capital structure.

In Decision 90405, the Commission adopted a 10 percent cost of bankers' acceptances and a 2.76 percent proportion in the capital structure (Table $E$, line 4, columns $A$ and $B$ ). The impact of higher than anticipated costs of fuel not onily causes cash flow problems, but also skews the cost of capital and the rate of return. Therefore, the percentage of bankers' acceptances in the 1981 capital structure is 6.18 percent (Table $F$. line 9, column A) and the cost of those acceptances is assumed to be 12.50 percent (Table F, line 9, column B). The resulting weighted cost is nearly three times greater than the level adopted in Decision 90405, barely one year ago.
12. Q. Mr. Williams, what will be the impact of the requested rate increase?
A. The primary financial objective of SDG\&E is to regain its Single $A$ bond rating. In order to do so, certain criteria must be met as espoused by both Moody's and Standard \& Poors, the two most prominent bond rating agencies. Two major criteria are to maintain interest coverage at a level of 3.0 times and to senerate more than 40 percent
of cash requirements internally. The other, as I mentioned, is to limit construction expenditures. SDG\&E is very aware that a bond upgrading must be accomplished in stages. The Company views the Commission's action in this case as a major step in this process. Table $G$ shows before tax interest coverages on a historical and projected basis for Moody's, the First Mortgage Indenture, and the Debenture Indenture. The trend of Moody's before tax coverage (column A) has declined since 1976 (lines 2 through 5). This critical indicator will continue to decline in 1980 and 1981, as shown on lines 6 and 7 , unless substantial rate relief is granted in an expedited manner in this case. Moody's before tax coverage at proposed rates on line 8 is projected to be 2.65 times, and the after tax coverage is estimated at 2.24 times, which is below the 2.7 times coverage found reasonable in Decision 90405.
13. Q. Mr. Williams, how does SDG\&E compare with other utilities as far as interest coverage is concerned?
A. Table $H$ shows pretax interest coverages classified by bond rating groups as of December 31 , 1979. The median of the "Straight $A / A$ " companies on line 9 was 2.7 times. This is very close to SDG\&E's proposed rate level of 2.65 times. Once again, the requested level of rate relief must be
granted by January 1, 1981, in order to achieve this result.
14. Q. Will you also elaborate on internal generation of cash which :ou also mentioned as important in obtaining a Single A rating?
A. Yes. Internal generation of cash is a parameter that the rating agencies consider crucial. The more cash generated internally, the less pressure there is on outside financing. Lower outside financing requirements, in turn, lessen the need for constant rate increases to compensate for the increased cost of capital.

Table I shows historical and projected capital expenditures and external and internal sources of funds. Since 1975 SDG\&E has averaged only a little more than 15 percent internal generation. This distinct lack of cash flow has placed considerable pressure on financing the Company's cash construction program shown in column $C$. Without the requested rate relief, internal generation for the 1981 Test Year (line 8, column F) is projected to be a negative 29 percent. At proposed rates, the requested rate increase is expected to provide internal generation of cash of 27 percent as shown on line 9, column $F$.

Table J lists internal generation of cash by bond ratin, groups for calendar 1979. The mean for the Single A companies on line 2 is over

40 percent, compared to SDG\&E's projection for the Test Year at proposed rates of 27 percent.

This amount is obviously insufficient in terms of the 40 percent internal generation accepted as the benchmark for Single A rated companies. This is again indicative of not only the need to expedite this proceeding, but also of the need to maintain the return on common equity at the minimum level of 14.5 percent.

Again, timely authorization of the rate increase requested would go a long way toward achieving the Company's objective and positioning SDG\&E for a bond upgrading in the future.
15. Q. Mr. Williams, would you comment further on the need for maintaining the return on equity at 14.5 percent?
A. Yes. As I have discussed previously, the Company won't be able to achieve its financial goals even with the rate relief requested for 1981. Further, the Company won't even be able to maintain the financial results adopted in Decision 90405 for 1979. The Company actually should have a return on equity higher than 14.5 percent due to the increased costs of preferred stock and long-term debt.

Of course, there is an even more critical aspect to this question. SDG\&E is a higher risk to investors compared to the larger utilities
because of its current financial condition and because it is growing at a faster rate. For SDG\&E, capital expenditures for distribution, transmission and production facilities are greater in proportion to its capital structure compared to the other larger, California utilicies. Thus, it would be quite justified for SDG\&E to be authorized a return on equity higher than other California utilities, such as the 13.9 percent allo : C for PGandE in its 1980 Test Year rate case. At a minimum, SDG\&E's return should be set in this case at the previously authorized level of 14.5 percent.
16. Q. Mr. Williams, does that conclude your Prepared Direct Testimony on this exhibit?
A. Yes.

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COST OF CAPITAL AND
``` RATE OF RETURN

\section*{INTRODUCTION}

The following tables set forth the cost of capital for San Diego Gas \& Electric for the 1981 Test Year. Information is provided on the capital structure and the costs of the capital elements as recorded in 1979 and projected for 1980 As Expected and 1981 Test Year.

Historisal data on the costs of capital are provided as background information for the cost estimates through 1981. In addition, comparisons with the utility industry by credit rating groups are included to substantiate the need for continued improvement in the Company's financial condition.

A composite cost of capital is established in the exhibit. Realization of the requested rate relief of \(\$ 144.81\) million in an expedited manner is essential to attainment of the Company's primary financial objective of regaining its Single A bond rating.

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\begin{tabular}{|c|c|}
\hline TABLE & TITLE \\
\hline A & 1981 Test Year Rate Request Summary \\
\hline B & Embedded Cost of Preferred Capital Stock Recorded 1979 and Projected 1980-1981 \\
\hline C & Embedded Cost of Long-Term Debt Recorded December 31, 1979 \\
\hline D & Projected Embedded Cost of Long-Term Debt 1980 and 1981 \\
\hline E & 1979 Authorized Rate of Return vs. 1979 Recorded and 1980 As Expected \\
\hline F & Rates of Return - 1981 Test Year \\
\hline G & Historical and Projected Interest Coverage Ratios \\
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\hline I & Capital Expenditures \& Sources of Funds 1975-1979 Historical \& 1980-1981 Projected \\
\hline J & Electric Utility Internal Generation of Cash Class: fied by Bond Rating Groups Twelve Montas Ended December 31, 1979 \\
\hline
\end{tabular}

TABLE A

\section*{1981 TEST YEAR RATE REQUEST SUMMARY (Milliotis of Dollars)}

LINE
NO.
1.
2.
3.
4.
5.
6.
7.
8.

\section*{9.}
10.
11.
12.
13.
14.
15.

TITLE

Total Increase
Electric
Gas
Composite Rate of Return
Return on Equity 14. \(50 \%\)

Weighted Average Rate Base \$ 1,287.4

Electric \$ 1,129.3

Gas
\$ 158.1
EMBEDDED COSTS
Long-Term Debt
9. \(55 \%\)

Preferred Stock
\(8.67 \%\)
CAPITALIZATION RATIOS

Common Equity 36. 87\%

Preferred Stock
Long-Term Debt
Bankers' Acceptances
\(6.18 \%\)
Total
\(100.00 \%\)

TABLE B
EMBEDDED COST OF PREFERRED CAPITAL STOCK RECORDED 1979 AND PROJECTCD 1980-1981

\section*{(Thousands of Dollars)}


\section*{(C) \\ PROCEEDS OF \(\frac{\text { SALE }}{\text { (Cols. A-B) }}\)}
\begin{tabular}{r}
\(7,500.0\) \\
\(6,000.0\) \\
\(6,500.0\) \\
\(7,500.0\) \\
\hline \(27,500.0\) \\
\hline
\end{tabular}

\begin{tabular}{rr}
\(16,000.0\) & 314.6 \\
\(20,000.0\) & 321.7 \\
\(15,000.0\) & 222.6 \\
\(30,000.0\) & 116.6 \\
\(25,000.0\) & 100.6 \\
\(25,000.0\) & \((1,215.9)\) \\
\(30,000.0\) & 191.7 \\
\(25,000.0\) & \((1,359.2)\) \\
\(186,000.0\) & \((1,307.3)\) \\
\hline \(213,500.0\) & \((1,553.7)\)
\end{tabular}
(D)

\section*{ANNUAL}

DIVIDEND
(E)

EFFECTIVE COST (\%)
(Cols. D/C)
\begin{tabular}{r}
375.0 \\
270.0 \\
286.0 \\
345.0 \\
\hline 1276.0
\end{tabular}
\begin{tabular}{l}
4.872 \\
4.50 \\
4.33 \\
4.63 \\
4.60 \\
\hline
\end{tabular}
\begin{tabular}{rr}
1.574 .4 & 10.04 \\
1.560 .0 & 7.93 \\
1.080 .0 & 7.31 \\
2.197 .5 & 7.35 \\
2.062 .5 & 8.28 \\
2.680 .0 & 10.22 \\
2.737 .5 & 9.18 \\
2.475 .0 & 9.39 \\
\hline 16.366 .9 & 8.74 \\
\hline 17.642 .9 & 8.20
\end{tabular}
\begin{tabular}{r}
\hline \(215,053.7\) \\
\(24,812.5\) \\
\(\$ 239,866.2\) \\
\hline
\end{tabular}
\begin{tabular}{rr}
\multicolumn{1}{r}{} & \multicolumn{1}{c}{-} \\
17.642 .9 & 8.20 \\
\(\frac{3.156 .3}{\$ 20,799.2}\) & \(\underline{12.72}\) \\
\hline
\end{tabular}

TABLE C
EMBEDDED COST OF LONG-TERM DEBT
RECORDED DECEMBER 31, 1979
(Thousands of Dollars)
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \[
\begin{aligned}
& \text { LINE } \\
& \text { NO. } \\
& \hline
\end{aligned}
\] & TITLE & \[
\begin{aligned}
& \text { PRINCIPAL } \\
& \text { AMOUNT } \\
& \hline
\end{aligned}
\] & anNual INTEREST PAYMENT & AMORT. OF PREM., DISC. \(\&\) EXPENSE & total annual EXPENSE & EFFECT \\
\hline (A) & \begin{tabular}{l}
(B) \\
FIRST MORTGAGE BONDS
\end{tabular} & (C) & (D) & (E) & \begin{tabular}{l}
\[
\text { (Cols. D } \& E)
\] \\
(F)
\end{tabular} & \begin{tabular}{l}
(Cols. \\
(G)
\end{tabular} \\
\hline 1. & 34\% Series " \(D\) ", Due \(4 / 1 / 82\) & \$ 12,000.0 & & & & \\
\hline 2. & 2-7/8\% Series "E", Due 4/1/84 & \[
17,000 .
\] & \[
\begin{array}{r}
\$ 390.0 \\
488.8
\end{array}
\] & \$ (2.8) & \$ 387.2 & 3.23\% \\
\hline 3. & 34\% Series "F", Due 10/1/85 & 18,0. 0 & 585.0 & 11.7
8.1 & 500.5
593.1 & 2.94
3.30 \\
\hline 4. & 4-7/8\% Series "G", Due 10/1/87 & 12,000.0 & 585.0 & 3.5 & 598.1
588.5 & 3.30
4.90 \\
\hline 5. & 4-5/8\% Series "H", Due \(10 / 1 / 90\)
\(5 \chi_{2} \%\) Series "I", Die 3/1/97 & \(30,000.0\) & 1,387.5 & 10.1 & 1,397.6 & 4.90
4.66 \\
\hline 7. & \(7 \%\) Series "J", Due 12/1 & 25,000.0 & 1,375.0 & (4.5) & 1,370.5 & 5.4 \\
\hline 8. & 8-3/4\% Series "K", Due 2/1/00 & 35,000.0 & 2,450.0 & 12.0 & 2,452.9 & 7.04 \\
\hline 9. & 8\% Series "L", Due \(9 / 1 / 01\) & 40,000.0 & 3,500.0 & 5.0 & 3,505.0 & 8.76 \\
\hline 10. & 8-3/8\% Series "M", Due 1/1/04 & 45 & 3,600.0 & 12.6 & 3,612.6 & 8.03 \\
\hline 11. & 10.7\% Series " 0 ", Due 5/1/82 & -5,000.0 & 6,281.2 & 30.0 & 6,312.1 & 8.42 \\
\hline 12. & 10\% Series "P", Due \(7 / 15 / 0\) & 45,000.0 & 4,280.0 & 85.1 & 4,365.1 & 10.91 \\
\hline 13. & 8-3/4\% Series "Q", Due 3/15/07 & \[
\begin{aligned}
& 45,000.0 \\
& 50,000.0
\end{aligned}
\] & 4,500.0 & 20.1 & 4,520.1 & 10.04 \\
\hline & 9-3/4\% Series "R", Due 5/1/08 & 50,000.0 & 4,8 & 1 & 4,413.1 & 8.83 \\
\hline & Total First Mortgage Bonds & 494,000.0 & 38,672.5 & 250 & 4,896.0 & 9.79 \\
\hline
\end{tabular}
16.
17.
18.

\section*{OTHER LONG-TERM DEBT}
19.
20.
21.
22.
23.
24.
25.
26.
27.
28.
29.
.
TOTAL LONG-TERM DEBT
\begin{tabular}{|c|c|c|c|c|}
\hline 65,000.0 & 9,644.8 & 8.5 & 9,653.3 & 14.85 \\
\hline ) 9,575.0 & 610.4 & 11.0 & 621.4 & 6.49 \\
\hline 5,700.0 & 410.4 & 8.3 & 418.7 & 7.35 \\
\hline 40,000.0 & 3,500.0 & 16.0 & 3,516.0 & 8.79 \\
\hline 4,876.9 & 382.6 & - & 382.6 & 7.85 \\
\hline 3,142.3 & 290.5 & 11.3 & 301.8 & 9.60 \\
\hline 152.0 & 11.6 & - & 11.6 & 7.63 \\
\hline 239.1 & 17.9 & - & 17.9 & 7.50 \\
\hline 145.1 & 11.2 & - & 10.7 & 7.37 \\
\hline 128,830.4 & 14,879.4 & 55.1 & 14,934.5 & 11.59 \\
\hline \$647,430.4 & \$54,670.2 & \$318.0 & \$54,988.2 & 8.49\% \\
\hline
\end{tabular}
(2)

Outstanding amount in pounds \(\times 5.5 \% \times\) Dec. 31,1979 exchange rate (2.232). Various amounts at various interest rates and maturities.
table D
PROJECTED EMBEDDFD COST OF LONG-TERM DEBT 1980 and 1981
(Thousands of Dollars)



\section*{TABLE E}

\section*{1979 AUTHORIZED RATE OF RETURN VS. 1979 RECORDED AND 1980 AS EXPECTED}
\begin{tabular}{|c|c|c|c|c|}
\hline & & (A) & (B) & (C) \\
\hline \[
\begin{aligned}
& \text { LINE } \\
& \text { NO. } \\
& \hline
\end{aligned}
\] & TITLE & CAPITAL RATIOS & \[
\begin{gathered}
\text { COST } \\
\text { FACTORS } \\
\hline
\end{gathered}
\] & \[
\begin{aligned}
& \text { WE IGHTED } \\
& \text { COST } \\
& \hline
\end{aligned}
\] \\
\hline \multicolumn{5}{|l|}{1979 AUTHORIZED \({ }^{(1)}\)} \\
\hline 1. & Common Equity & 38.09\% & 14.50\% & 5.52\% \\
\hline 2. & Preferred Stock & 14.16 & 8.21 & 1.16 \\
\hline 3. & Long-Term Debt & 44.99 & 8.10 & 3.64 \\
\hline 4. & Bankers' Acceptar.ces & 2.76 & 10.00 & 0.27 \\
\hline 5. & Total & 100.00\% & & 10.59\% \\
\hline
\end{tabular}

1979 RECORDED
\begin{tabular}{rlccc} 
6. Common Equity & \(37.20 \%\) & \(10.97 \%\) & \(4.08 \%\) \\
7. & Preferred Stock & 14.68 & 8.20 & 1.21 \\
8. Long-Term Debt & 44.00 & 8.49 & 3.74 \\
9. & Bankers Acceptances & \(\frac{4.12}{}\) & 12.45 & \(\underline{0.51}\) \\
10. & Total & \(100.00 \%\) & & \(9.54 \%\)
\end{tabular}

1980 AS EXPECTED
\begin{tabular}{llccc} 
11. & Common Equity & \(35.89 \%\) & \(5.32 \%\) & \(1.91 \%\) \\
12. & Preferred Stock & 12.90 & 8.20 & 1.06 \\
13. & Long-Term Debt & 44.98 & 9.27 & 4.17 \\
14. & Bankers Acceptances & 6.23 & 14.25 & 0.89 \\
15. & Total & \(100.00 \%\) & & \(8.03 \%\)
\end{tabular}
(1) Per Decision 90405.

\section*{IMAGE EVALUATION TEST TARGET (MT-3)}





\title{
IMAGE EVALUATION TEST TARGET (MT-3)
}


\section*{TABLE F}

RA'ES OF RETURN - 1981 TEST YEAR
\begin{tabular}{|c|c|c|c|c|}
\hline & & (A) & (B) & (C) \\
\hline \[
\begin{aligned}
& \text { LINE } \\
& \text { NO. } \\
& \hline
\end{aligned}
\] & TITLE & CAPITAL RATIOS & \[
\begin{aligned}
& \text { COST } \\
& \text { FACTORS } \\
& \hline
\end{aligned}
\] & \[
\begin{aligned}
& \text { WEIGHTED } \\
& \text { COST } \\
& \hline
\end{aligned}
\] \\
\hline \multicolumn{5}{|l|}{1981 TEST YEAR AT PRESENT RATES} \\
\hline 1. & Common Equity & 32.91\% & (9.18\%) & (3.02\%) \\
\hline 2. & Preferred Stock & 13.68 & 8.67 & 1.19 \\
\hline 3. & Long-Term Debt & 46.84 & 9.55 & 4.47 \\
\hline 4. & Bankers' Acceptances & 6.57 & 12.50 & 0.82 \\
\hline 5. & TOTAL & 100.00\% & & 3.46\% \\
\hline
\end{tabular}

\section*{1981 TEST YEAR AT PROPOSED RATES}
\begin{tabular}{rlccc} 
6. Common Equity & \(36.87 \%\) & \(14.50 \%\) & \(5.34 \%\) \\
7. & Preferred Stock & 12.88 & 8.67 & 1.12 \\
8. Long-Term Debt & 44.07 & 9.55 & 4.21 \\
9. Bankers' Acceptances & \(\frac{6.18}{100.00 \%}\) & 12.50 & \(\underline{0.77}\) \\
10. & TOTAL & & \(11.44 \%\)
\end{tabular}

TABLE (:

\section*{HISTORICAL AND PROJECTED INTEREST} COVERAGE RATIOS
\begin{tabular}{|c|c|c|c|c|c|}
\hline & & (A) & (B) & (C) & (D) \\
\hline & & TIMES & EARNED & & \\
\hline & & BEFORE & AFTER & & \[
\frac{\text { QUIREMENT }}{\text { DEBENTURF }}
\] \\
\hline NO. & RECORDED & TAX & TAX & INDENTURE & DEBENTUR: \\
\hline & & & & (2.5 Min) & (2.0 Mit \\
\hline 1. & 1975 & 1.66X & 1.76X & 2.33X & 1.66X \\
\hline 2. & 1976 & 2. 38 X & 2. 25 X & 2.98X & 2. 53X \\
\hline 3. & 1977 & 2.20X & 2. 22 X & 2.83X & 2.20X \\
\hline 4. & 1978 & 2.25X & 2.17X & 3. 79 X & 2. 42 X \\
\hline 5. & 1979 & 2.18X & 2.11X & 4.66X & 2.37X \\
\hline
\end{tabular}

PROJECTED PERIOD WITHOUT RATE RELIEF
7.
\(1981^{(2)}\)
\(1980^{(1)}\)
1.66 X
1.66X
3. 43 X
1.84 X
1.11X
1.11X
2.17X
0.98 X

\section*{TEST YEAR AT PROPOSED RATES}
8.
9.
\begin{tabular}{ll}
1981 & 2.65 X \\
\begin{tabular}{l} 
Rating Agency \\
Guideline
\end{tabular} & 3.00 X
\end{tabular}
2. 24 X
4. 83X
3.01X
Guideline
3. 00 X
(1) As Expected.
(2) Test Year at Present Rates.

TABLE H
ELECTRIC UTILITY INTEREST COVERAGE RATIOS \({ }^{(1)}\)
CLASSIFIED BY BOiND RATING GROUPS
TWELVE MONTHS ENDEL DECEMBER 31, 1972

LINE
NO.
TITLE
\begin{tabular}{llll} 
1. & Straight Aa/AA & High & 5.6 \\
2. & & Low & 2.5 \\
3. & & Median & 3.4 \\
4. & Split Aa/A or AA/A & High & 3.8 \\
5. & & Low & 2.4 \\
6. & & Median & 2.8 \\
& & High & 4.4 \\
7. & Straight A/A & Low & 1.9 \\
8. & & Median & 2.7
\end{tabular}
10.
12.
13. Straight BBB/F,aa
14.
15.
16.
17.
18.
19.

Split A/BBB or A/Baa Actuàl
As Expected
\(\frac{\text { SAN DIEGO GAS \& ELECTRIC }(12 / 31)}{\text { Actuàl }}\) Test Year at Present Rates 1979 1980 1981
Test Year at Proposed Rates 1981
2.7
(1) Pre-tax Times Interest Charges for 12 months ended Total AFDC Included in Calculations. Source: Salcmon Brothers Stock Research Dept.

TABLE I
CAPITAL EXPENDITURES \& SOURCES OF FUNDS 1975-1979 wistorical \& 1980-1981 PROJECTED


\footnotetext{
TABL
ABLE
}

\section*{TABLE J}

ELECTRIC UTILITY IITERNAL GENERATION OF CASH (1)
CLASSIFIED BY BOND RATING GROUPS
TWELVE MONTHS ENDED DECEMBER 31, 1979
\begin{tabular}{|c|c|c|c|}
\hline \[
\begin{aligned}
& \text { LINE } \\
& \text { NO. } \\
& \hline
\end{aligned}
\] & TITLE & & \\
\hline 1. & Straight A/A & Low & 3\% \\
\hline 2. & & Mean & 43 \\
\hline 3. & & High & 109 \\
\hline 4. & Split BBB/A or Baa/A & Low & 2 \\
\hline 5. & & Mean & 36 \\
\hline 6. & & High & 107 \\
\hline 7. & Straight BBB or Baa & Low & (5) \\
\hline 8. & & Mean & 22 \\
\hline 9. & & High & 48 \\
\hline & SAN DIEGO GAS \& ELECTRIC & & \\
\hline 10. & 1980 As Expected & & 3 \\
\hline 11. & 1981 Test Year at Present Rates & & (29) \\
\hline 12. & 1981 Test Year at Proposad Rates & & 27 \\
\hline
\end{tabular}
(1) Based on analysts method which ignores changes in Regulatory Balancing Accounts and changes in working capital.

Source: Standard \& Poor's Compustat Services, Inc., Utility Compusist II.```

