

REQUIRED RESERVES
WITHOUT DIABLO CANYON

July 1978 July 1979

CALCULATED MARGINS (1)

"Continued Drought"	-182 (2)	
"Normal"	1326 (3)	
1978 Continued Drought in 1979		-918 (4)
Traditional Basis		259 (5)

RESERVE REQUIREMENTS (6)

Reliability Index (1 day in 10 years)	1648	1615
2 largest units	1614	1614
12% of planning load	1827	1935
Governing	1827	1935

RELIABILITY DATA

Reliability Index (1 day in ___ years) with various levels of reserves, July. Assumes changes from base levels due to changes in perfect capacity.

	Greater than 100	Greater than 100
2500 MW	50	50
2000 MW	6	7
1500 MW	2	3
1250 MW	1	1

Continued Drought	< 0.1	
Normal	4	
1978 Continued Drought in 1979		< 0.1
Traditional Dry Year		0.1

10% of time forced outage will be less than, MW	250	250
25% " " " " " " " " " "	390	380
50% " " " " " " " " " "	610	600
75% " " " " " " " " " "	1040	1010
90% " " " " " " " " " "	1390	1370

OPERATING MARGINS CRITERIA

3% plus largest risk	1338	1365
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- (1) Calculated margins for 1978 are taken from the answer to Question 5, for 1979 they are taken from data submitted October 12. Margins are based on a load which contains 100 MW of interruptible load.
- (2) Assumes 1977 runoff in 1978 to estimate hydro capacity.
- (3) Assumes average precipitation in 1978 to estimate hydro capacity.
- (4) Assumes same hydro capacity in 1979 as in 1978 drought case.
- (5) Assumes theoretical dry year hydro capacity.
- (6) Based on planning load and resources for planning purposes.

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REQUIRED RESERVES
WITH DIABLO CANYON

July 1978 July 1979

CALCULATED MARGINS (1)

"Continued Drought"	878 ⁽²⁾	
"Normal"	2386 ⁽³⁾	
1978 Continued Drought in 1979		1242 ⁽⁴⁾
Traditional Dry Year		2419 ⁽⁵⁾
<u>RESERVE REQUIREMENT (6)</u>		
Reliability Index (1 day in 10 years)	2215	2712
2 largest units	1935	2160
12% of planning load	1827	1935
Governing	2215	2712

RELIABILITY DATA

Reliability Index (1 day in ___ years) with various levels of reserves, July. Assumes changes from base levels due to changes in perfect capacity.

2500 MW	30	6
2000 MW	5	1
1500 MW	1	0.4
1250 MW	0.6	0.3
1000 MW	0.3	0.2

Continued Drought	0.3	
Normal	20	
1978 Continued Drought in 1979		0.4
Traditional Dry Year		6

10% of time forced outage will be less than, MW	310	370
25% " " " " " " " " " "	480	570
50% " " " " " " " " " "	780	990
75% " " " " " " " " " "	1330	1570
90% " " " " " " " " " "	1750	2090

OPERATING MARGINS CRITERIA

3% plus largest risk	1523	1590
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- (2) Assumes 1977 runoff in 1978 to estimate hydro capacity.
- (3) Assumes average precipitation in 1978 to estimate hydro capacity.
- (4) Assumes same hydro capacity in 1979 as in 1978 drought case.
- (5) Assumes theoretical dry year hydro capacity.
- (6) Based on planning load and resources for planning purposes.

