

Parties' Positions on Return on Equity, 1968-1996
(percentages)

Line No.	(a)	(b)	(c)	(d)
	Date	Carriers*	Williams	Tesoro
		Exhibit 143-RGV-C, Sch. 3	JSG-T, Exhibit JSG-2, Sch. 13	FJH-T, Exhibit FJH-12
1	1968	15.65	14.01	11.98
2	1969	16.36	14.91	12.39
3	1970	17.56	15.63	13.30
4	1971	16.26	14.81	12.78
5	1972	15.63	14.59	12.51
6	1973	16.35	15.12	12.01
7	1974	17.33	16.02	13.15
8	1975	18.78	16.54	14.19
9	1976	19.31	15.91	14.42
10	1977	20.97	15.70	13.52
11	1978	22.73	16.64	13.27
12	1979	22.40	18.09	13.91
13	1980	23.92	20.44	15.19
14	1981	26.46	21.26	17.12
15	1982	25.25	21.29	15.84
16	1983	22.83	17.85	15.33
17	1984	24.54	18.54	15.40
18	1985	21.71	17.61	15.71
19	1986	22.05	15.94	14.77
20	1987	20.06	15.95	13.57
21	1988	20.68	16.30	14.20
22	1989	21.13	15.88	13.95
23	1990	20.84	16.62	13.13
24	1991	20.52	16.73	13.70
25	1992	20.37	16.44	13.44
26	1993	18.56	16.21	13.07
27	1994	19.41	16.66	12.44
28	1995	18.02	16.37	13.26
29	1996	17.05	15.08	12.00

*Carriers' sponsor separate costs of equity for each owner, but provide a composit equity return for illustrative purposes. Composit equity return rate can also be calculated from Exhibit WBT-18 and Exhibit WBT-19 in T-6.

**Appropriate Modifications to Williams Petroleum's Approach to
Determining the Cost of Equity for 1968-1996, Based on Alaska Pipeline Decisions**
(percent rates)

Line No.	Year	Kenai ROE	Kuparuk ROE	Average of Kenai/Kuparuk Overlap Years	Projection Basis	US Treasuries	Risk Premium over Treasuries	Risk Premium Projection	Projected ROE	Alaska Pipeline ROE
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		JSG-T, Exhibit JSG-2, Sch. 6	JSG-T, Exhibit JSG-2, Sch. 6	if a&b not 0, then (a + b) / 2; else 0	if c not 0, then c; else non-zero a or b	JSG-T, Exhibit JSG-2, Sch. 12	if d not 0, then d - e, else 0	5-year avg. of f's nearest non-zero entries	if d = 0, then e+g, else 0	d or h, which ever is non-zero
1	1968	-	-	-	-	5.26	-	4.98	10.24	10.24
2	1969	-	-	-	-	6.12	-	4.98	11.10	11.10
3	1970	-	-	-	-	6.58	-	4.98	11.56	11.56
4	1971	-	-	-	-	5.70	-	4.98	10.68	10.68
5	1972	-	-	-	-	5.54	-	4.98	10.52	10.52
6	1973	-	-	-	-	6.21	-	4.98	11.19	11.19
7	1974	-	-	-	-	6.88	-	4.98	11.86	11.86
8	1975	-	-	-	-	6.96	-	4.98	11.94	11.94
9	1976	-	-	-	-	6.79	-	4.98	11.77	11.77
10	1977	-	-	-	-	7.53	-	4.98	12.51	12.51
11	1978	-	-	-	-	8.40	-	4.98	13.38	13.38
12	1979	-	-	-	-	9.26	-	4.98	14.24	14.24
13	1980	-	-	-	-	11.23	-	4.98	16.21	16.21
14	1981	-	19.95	-	19.95	13.31	6.64	4.98	-	19.95
15	1982	-	19.95	-	19.95	12.61	7.34	-	-	19.95
16	1983	-	14.69	-	14.69	11.17	3.52	-	-	14.69
17	1984	-	15.90	-	15.90	12.36	3.54	-	-	15.90
18	1985	15.50	14.00	14.75	14.75	10.89	3.86	-	-	14.75
19	1986	16.65	13.00	14.83	14.83	8.19	6.64	-	-	14.83
20	1987	14.98	13.50	14.24	14.24	8.70	5.54	-	-	14.24
21	1988	14.74	-	-	14.74	9.03	5.71	-	-	14.74
22	1989	14.74	-	-	14.74	8.56	6.18	-	-	14.74
23	1990	14.50	-	-	14.50	8.71	5.79	-	-	14.50
24	1991	14.50	-	-	14.50	8.14	6.36	-	-	14.50
25	1992	14.50	-	-	14.50	7.50	7.00	6.21	-	14.50
26	1993	-	-	-	-	6.44	-	6.21	12.65	12.65
27	1994	-	-	-	-	7.40	-	6.21	13.61	13.61
28	1995	-	-	-	-	6.89	-	6.21	13.10	13.10
29	1996	-	-	-	-	6.72	-	6.21	12.93	12.93

Appropriate Cost of Equity for the Average Pipeline, 1968-1996
(No Special TAPS Risk Premium Included)
(Percent rates)

Line No.	Year	Williams' Pipeline Proxy-Based DCF Return	Williams' Pipeline Proxy-Based DCF Return, Risk Premium Removed	Return Suggested by AK Pipeline Decisions, as Appropriate Modified	Return on Equity, Excluding Special TAPS Risk Premium
		(a)	(b)	(c)	(d)
		JSG-2, Schedule 13	a - 0.50	Exhibit 17, col i	(b + c) / 2
1	1968	13.32	12.82	10.24	11.53
2	1969	14.18	13.68	11.10	12.39
3	1970	14.64	14.14	11.56	12.85
4	1971	13.76	13.26	10.68	11.97
5	1972	13.60	13.10	10.52	11.81
6	1973	14.27	13.77	11.19	12.48
7	1974	14.94	14.44	11.86	13.15
8	1975	15.02	14.52	11.94	13.23
9	1976	14.85	14.35	11.77	13.06
10	1977	15.59	15.09	12.51	13.80
11	1978	16.46	15.96	13.38	14.67
12	1979	17.32	16.82	14.24	15.53
13	1980	19.29	18.79	16.21	17.50
14	1981	21.37	20.87	19.95	20.41
15	1982	20.67	20.17	19.95	20.06
16	1983	19.23	18.73	14.69	16.71
17	1984	20.42	19.92	15.90	17.91
18	1985	18.95	18.45	14.75	16.60
19	1986	16.25	15.75	14.83	15.29
20	1987	16.76	16.26	14.24	15.25
21	1988	17.09	16.59	14.74	15.67
22	1989	16.62	16.12	14.74	15.43
23	1990	17.19	16.69	14.50	15.60
24	1991	16.62	16.12	14.50	15.31
25	1992	15.72	15.22	14.50	14.86
26	1993	14.39	13.89	12.65	13.27
27	1994	14.73	14.23	13.61	13.92
28	1995	15.38	14.88	13.10	13.99
29	1996	14.63	14.13	12.93	13.53

**Calculation of 33-Basis Point Risk Premium for
Non-Completion Risk During Pre-Construction**

Inputs to calculation of non-completion risk premium			
i	Part IV.B.4	Years	25
ii	Part IV.B.4	Probability of Project Success	98.00%
iii	Exhibit 18	No Risk Premium ROE, 1968-1974 Mean	12.31%
iv	Solution to make (g) sum to \$100	Compensatory Risk Premium	0.36%
v	90% * (iv)	Risk Premium Applied to Total Equity	0.33%
vi	(iii) + (iv)	Total return on equity	12.67%

Line #	Year	Net DOC Rate Base	SL Dep.	Return	Cash Flows	Discount Factor	Probability of Success	Expected Present Value of Cash Flow ('d')
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	1	\$ 100.00	\$ 4.00	\$ 12.67	\$ 16.67	0.89	98%	\$ 14.55
2	2	\$ 96.00	\$ 4.00	\$ 12.17	\$ 16.17	0.79	98%	\$ 12.56
3	3	\$ 92.00	\$ 4.00	\$ 11.66	\$ 15.66	0.71	98%	\$ 10.83
4	4	\$ 88.00	\$ 4.00	\$ 11.15	\$ 15.15	0.63	98%	\$ 9.33
5	5	\$ 84.00	\$ 4.00	\$ 10.65	\$ 14.65	0.56	98%	\$ 8.03
6	6	\$ 80.00	\$ 4.00	\$ 10.14	\$ 14.14	0.50	98%	\$ 6.90
7	7	\$ 76.00	\$ 4.00	\$ 9.63	\$ 13.63	0.44	98%	\$ 5.93
8	8	\$ 72.00	\$ 4.00	\$ 9.12	\$ 13.12	0.40	98%	\$ 5.08
9	9	\$ 68.00	\$ 4.00	\$ 8.62	\$ 12.62	0.35	98%	\$ 4.35
10	10	\$ 64.00	\$ 4.00	\$ 8.11	\$ 12.11	0.31	98%	\$ 3.72
11	11	\$ 60.00	\$ 4.00	\$ 7.60	\$ 11.60	0.28	98%	\$ 3.17
12	12	\$ 56.00	\$ 4.00	\$ 7.10	\$ 11.10	0.25	98%	\$ 2.70
13	13	\$ 52.00	\$ 4.00	\$ 6.59	\$ 10.59	0.22	98%	\$ 2.29
14	14	\$ 48.00	\$ 4.00	\$ 6.08	\$ 10.08	0.20	98%	\$ 1.94
15	15	\$ 44.00	\$ 4.00	\$ 5.58	\$ 9.58	0.18	98%	\$ 1.64
16	16	\$ 40.00	\$ 4.00	\$ 5.07	\$ 9.07	0.16	98%	\$ 1.39
17	17	\$ 36.00	\$ 4.00	\$ 4.56	\$ 8.56	0.14	98%	\$ 1.17
18	18	\$ 32.00	\$ 4.00	\$ 4.06	\$ 8.06	0.12	98%	\$ 0.98
19	19	\$ 28.00	\$ 4.00	\$ 3.55	\$ 7.55	0.11	98%	\$ 0.81
20	20	\$ 24.00	\$ 4.00	\$ 3.04	\$ 7.04	0.10	98%	\$ 0.68
21	21	\$ 20.00	\$ 4.00	\$ 2.53	\$ 6.53	0.09	98%	\$ 0.56
22	22	\$ 16.00	\$ 4.00	\$ 2.03	\$ 6.03	0.08	98%	\$ 0.46
23	23	\$ 12.00	\$ 4.00	\$ 1.52	\$ 5.52	0.07	98%	\$ 0.37
24	24	\$ 8.00	\$ 4.00	\$ 1.01	\$ 5.01	0.06	98%	\$ 0.30
25	25	\$ 4.00	\$ 4.00	\$ 0.51	\$ 4.51	0.05	98%	\$ 0.24

Total \$ 100.00

Sources and notes

- a = Assumes \$100 in Year 1. Thereafter [a] - [b] from previous year
- b = Straight line depreciation over 25 years; see Part IV.B.4 for finding
- c = [a] x [vi]
- d = [b] + [c]
- e = $1 / (1 + [\text{iii}])^{\text{Year}}$
- f = [ii]
- g = [d] x [e] x [f]

**Calculation of 42-Basis Point Risk Premium
for Economic Risk During Pre-construction and Construction**

Inputs to calculation of equity recovery risk premium			
i	Part IV.B.4	Years	25
ii	Part IV.B.4	Probability of Total Loss, 1968-1977 Equity	2.5%
iii	1- (ii)	Probability of No Loss, 1968-1977 Equity	97.50%
iv	Exhibit 18	No Risk Premium ROE, 1968-1977 Mean	12.63%
v	Solution to make (g) sum to \$100	Compensatory Risk Premium	0.46%
vi	90% * (v)	Risk Premium Applied to Total Equity	0.42%
vii	(iv) + (v)	Total return on equity	13.09%

Line #	Year	Net DOC Rate Base	SL Dep.	Return	Cash Flows	Discount Factor	Probability of Success	Expected Present Value of Cash Flow ('d')
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	1	\$ 100.00	\$ 4.00	\$ 13.09	\$ 17.09	0.89	97.5%	\$ 14.79
2	2	\$ 96.00	\$ 4.00	\$ 12.57	\$ 16.57	0.79	97.5%	\$ 12.73
3	3	\$ 92.00	\$ 4.00	\$ 12.04	\$ 16.04	0.70	97.5%	\$ 10.95
4	4	\$ 88.00	\$ 4.00	\$ 11.52	\$ 15.52	0.62	97.5%	\$ 9.40
5	5	\$ 84.00	\$ 4.00	\$ 11.00	\$ 15.00	0.55	97.5%	\$ 8.07
6	6	\$ 80.00	\$ 4.00	\$ 10.47	\$ 14.47	0.49	97.5%	\$ 6.91
7	7	\$ 76.00	\$ 4.00	\$ 9.95	\$ 13.95	0.44	97.5%	\$ 5.92
8	8	\$ 72.00	\$ 4.00	\$ 9.42	\$ 13.42	0.39	97.5%	\$ 5.06
9	9	\$ 68.00	\$ 4.00	\$ 8.90	\$ 12.90	0.34	97.5%	\$ 4.31
10	10	\$ 64.00	\$ 4.00	\$ 8.38	\$ 12.38	0.30	97.5%	\$ 3.67
11	11	\$ 60.00	\$ 4.00	\$ 7.85	\$ 11.85	0.27	97.5%	\$ 3.12
12	12	\$ 56.00	\$ 4.00	\$ 7.33	\$ 11.33	0.24	97.5%	\$ 2.65
13	13	\$ 52.00	\$ 4.00	\$ 6.81	\$ 10.81	0.21	97.5%	\$ 2.25
14	14	\$ 48.00	\$ 4.00	\$ 6.28	\$ 10.28	0.19	97.5%	\$ 1.90
15	15	\$ 44.00	\$ 4.00	\$ 5.76	\$ 9.76	0.17	97.5%	\$ 1.60
16	16	\$ 40.00	\$ 4.00	\$ 5.24	\$ 9.24	0.15	97.5%	\$ 1.34
17	17	\$ 36.00	\$ 4.00	\$ 4.71	\$ 8.71	0.13	97.5%	\$ 1.13
18	18	\$ 32.00	\$ 4.00	\$ 4.19	\$ 8.19	0.12	97.5%	\$ 0.94
19	19	\$ 28.00	\$ 4.00	\$ 3.67	\$ 7.67	0.10	97.5%	\$ 0.78
20	20	\$ 24.00	\$ 4.00	\$ 3.14	\$ 7.14	0.09	97.5%	\$ 0.65
21	21	\$ 20.00	\$ 4.00	\$ 2.62	\$ 6.62	0.08	97.5%	\$ 0.53
22	22	\$ 16.00	\$ 4.00	\$ 2.09	\$ 6.09	0.07	97.5%	\$ 0.43
23	23	\$ 12.00	\$ 4.00	\$ 1.57	\$ 5.57	0.06	97.5%	\$ 0.35
24	24	\$ 8.00	\$ 4.00	\$ 1.05	\$ 5.05	0.06	97.5%	\$ 0.28
25	25	\$ 4.00	\$ 4.00	\$ 0.52	\$ 4.52	0.05	97.5%	\$ 0.23

Total \$ 100.00

Sources and notes

- a = Assumes \$100 in Year 1. Thereafter [a] - [b] from previous year
- b = Straight line depreciation over 25 years; see Part IV.B.4 for finding
- c = [a] x [vii]
- d = [b] + [c]
- e = 1 / (1 + [iv])^Year
- f = [iii]
- g = [d] x [e] x [f]

Appropriate Annual Rate of Return on Equity for TAPS, 1968-1996
(Percentage Rates)

Line No.	Year	Return on Equity, Excluding Special TAPS Risk Premium	Risk Premium Adjusted Back-Cast Return on Equity
		(a)	(b)
		Exhibit 18	a + .75 (sum of Risk Premiums From Exhibit 19, Schedules 1 & 2)
1	1968	11.53	12.28
2	1969	12.39	13.14
3	1970	12.85	13.60
4	1971	11.97	12.72
5	1972	11.81	12.56
6	1973	12.48	13.23
7	1974	13.15	13.90
8	1975	13.23	13.98
9	1976	13.06	13.81
10	1977	13.80	14.55
11	1978	14.67	15.42
12	1979	15.53	16.28
13	1980	17.50	18.25
14	1981	20.41	21.16
15	1982	20.06	20.81
16	1983	16.71	17.46
17	1984	17.91	18.66
18	1985	16.60	17.35
19	1986	15.29	16.04
20	1987	15.25	16.00
21	1988	15.67	16.42
22	1989	15.43	16.18
23	1990	15.60	16.35
24	1991	15.31	16.06
25	1992	14.86	15.61
26	1993	13.27	14.02
27	1994	13.92	14.67
28	1995	13.99	14.74
29	1996	13.53	14.28

Calculation of Appropriate AFUDC, 1968-1996
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
		Property Additions	Transfers to Property	Property Balance																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	Sep-68	\$0.978	\$0	\$1	0.0%	\$0	100.0%	\$1	\$0	\$0	12.28%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
2	Oct-68	\$0.000	\$0	\$1	0.0%	\$0	100.0%	\$0	\$0	\$1	12.28%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
3	Nov-68	\$0.000	\$0	\$1	0.0%	\$0	100.0%	\$0	\$0	\$1	12.28%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
4	Dec-68	\$0.000	\$0	\$1	0.0%	\$0	100.0%	\$0	\$0	\$1	12.28%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
5	Jan-69	\$0.244	\$0	\$1	0.0%	\$0	100.0%	\$0	\$0	\$1	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
6	Feb-69	\$0.000	\$0	\$1	0.0%	\$0	100.0%	\$0	\$0	\$1	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
7	Mar-69	\$0.000	\$0	\$1	0.0%	\$0	100.0%	\$0	\$0	\$1	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
8	Apr-69	\$0.242	\$0	\$1	0.0%	\$0	100.0%	\$0	\$0	\$1	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
9	May-69	\$0.854	\$0	\$2	0.0%	\$0	100.0%	\$1	\$0	\$1	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
10	Jun-69	\$1.234	\$0	\$4	0.0%	\$0	100.0%	\$1	\$0	\$2	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
11	Jul-69	\$0.712	\$0	\$4	0.0%	\$0	100.0%	\$1	\$0	\$4	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
12	Aug-69	\$1.124	\$0	\$5	0.0%	\$0	100.0%	\$1	\$0	\$4	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
13	Sep-69	\$2.164	\$0	\$8	0.0%	\$0	100.0%	\$2	\$0	\$6	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
14	Oct-69	\$5.192	\$0	\$13	0.0%	\$0	100.0%	\$5	\$0	\$8	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
15	Nov-69	\$6.530	\$0	\$19	0.0%	\$0	100.0%	\$7	\$0	\$13	13.14%	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
16	Dec-69	\$17.161	\$0	\$36	0.0%	\$0	100.0%	\$17	\$0	\$19	13.14%	\$0	\$0	\$1	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
17	Jan-70	(\$0.886)	\$0	\$36	0.0%	\$1	100.0%	(\$1)	\$0	\$37	13.60%	\$0	\$0	\$1	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
18	Feb-70	\$8.996	\$0	\$45	0.0%	\$0	100.0%	\$9	\$0	\$36	13.60%	\$0	\$0	\$2	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
19	Mar-70	\$11.607	\$0	\$56	0.0%	\$0	100.0%	\$12	\$0	\$45	13.60%	\$1	\$0	\$2	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
20	Apr-70	\$18.351	\$0	\$75	0.0%	\$0	100.0%	\$18	\$0	\$57	13.60%	\$1	\$0	\$3	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
21	May-70	\$16.501	\$0	\$91	0.0%	\$0	100.0%	\$17	\$0	\$75	13.60%	\$1	\$0	\$4	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
22	Jun-70	\$19.677	\$0	\$111	0.0%	\$0	100.0%	\$20	\$0	\$92	13.60%	\$1	\$0	\$5	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
23	Jul-70	\$28.292	\$0	\$139	0.0%	\$4	100.0%	\$28	\$0	\$115	13.60%	\$1	\$0	\$6	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
24	Aug-70	\$17.456	\$0	\$156	0.0%	\$0	100.0%	\$17	\$0	\$144	13.60%	\$2	\$0	\$8	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
25	Sep-70	\$24.416	\$0	\$181	0.0%	\$0	100.0%	\$24	\$0	\$161	13.60%	\$2	\$0	\$9	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
26	Oct-70	\$15.631	\$0	\$196	0.0%	\$0	100.0%	\$16	\$0	\$185	13.60%	\$2	\$0	\$11	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
27	Nov-70	\$8.254	\$0	\$205	0.0%	\$0	100.0%	\$8	\$0	\$201	13.60%	\$2	\$0	\$14	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
28	Dec-70	\$13.301	\$0	\$218	0.0%	\$0	100.0%	\$13	\$0	\$209	13.60%	\$2	\$0	\$16	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
29	Jan-71	\$0.630	\$0	\$219	0.0%	\$12	100.0%	\$1	\$0	\$234	12.72%	\$2	\$0	\$19	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
30	Feb-71	\$3.625	\$0	\$222	0.0%	\$0	100.0%	\$4	\$0	\$235	12.72%	\$2	\$0	\$21	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
31	Mar-71	\$4.975	\$0	\$227	0.0%	\$0	100.0%	\$5	\$0	\$238	12.72%	\$3	\$0	\$24	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
32	Apr-71	\$4.708	\$0	\$232	0.0%	\$0	100.0%	\$5	\$0	\$243	12.72%	\$3	\$0	\$26	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
33	May-71	\$6.100	\$0	\$238	0.0%	\$0	100.0%	\$6	\$0	\$248	12.72%	\$3	\$0	\$29	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
34	Jun-71	\$6.142	\$0	\$244	0.0%	\$0	100.0%	\$6	\$0	\$254	12.72%	\$3	\$0	\$32	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
35	Jul-71	\$9.385	\$0	\$254	0.0%	\$15	100.0%	\$9	\$0	\$276	12.72%	\$3	\$0	\$34	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
36	Aug-71	\$14.829	\$0	\$268	0.0%	\$0	100.0%	\$15	\$0	\$285	12.72%	\$3	\$0	\$37	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
37	Sep-71	\$10.408	\$0	\$279	0.0%	\$0	100.0%	\$10	\$0	\$300	12.72%	\$3	\$0	\$41	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
38	Oct-71	\$12.104	\$0	\$291	0.0%	\$0	100.0%	\$12	\$0	\$310	12.72%	\$3	\$0	\$44	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
39	Nov-71	\$16.481	\$0	\$307	0.0%	\$0	100.0%	\$16	\$0	\$322	12.72%	\$3	\$0	\$47	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
40	Dec-71	\$18.967	\$0	\$326	0.0%	\$0	100.0%	\$19	\$0	\$339	12.72%	\$4	\$0	\$51	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
41	Jan-72	(\$1.212)	\$0	\$325	0.0%	\$19	100.0%	(\$1)	\$0	\$377	12.56%	\$4	\$0	\$55	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
42	Feb-72	\$4.997	\$0	\$330	0.0%	\$0	100.0%	\$5	\$0	\$376	12.56%	\$4	\$0	\$59	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
43	Mar-72	\$4.452	\$0	\$335	0.0%	\$0	100.0%	\$4	\$0	\$381	12.56%	\$4	\$0	\$63	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
44	Apr-72	\$4.215	\$0	\$339	0.0%	\$0	100.0%	\$4	\$0	\$386	12.56%	\$4	\$0	\$67	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
45	May-72	\$5.853	\$0	\$345	0.0%	\$0	100.0%	\$6	\$0	\$390	12.56%	\$4	\$0	\$71	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
46	Jun-72	\$7.497	\$0	\$352	0.0%	\$0	100.0%	\$7	\$0	\$396	12.56%	\$4	\$0	\$75	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
47	Jul-72	\$4.158	\$0	\$356	0.0%	\$24	100.0%	\$4	\$0	\$427	12.56%	\$4	\$0	\$80	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
48	Aug-72	\$3.660	\$0	\$360	0.0%	\$0	100.0%	\$4	\$0	\$431	12.56%	\$5	\$0	\$84	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
49	Sep-72	\$2.846	\$0	\$363	0.0%	\$0	100.0%	\$3	\$0	\$435	12.56%	\$5	\$0	\$89	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
50	Oct-72	\$3.711	\$0	\$367	0.0%	\$0	100.0%	\$4	\$0	\$438	12.56%	\$5	\$0	\$93	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0

Calculation of Appropriate AFUDC, 1968-1996
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
		Property Additions	Transfers to Property	Property Balance																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51	Nov-72	\$3,201	\$0	\$370	0.0%	\$0	100.0%	\$3	\$0	\$442	12.56%	\$5	\$0	\$98	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
52	Dec-72	\$6,653	\$0	\$376	0.0%	\$0	100.0%	\$7	\$0	\$445	12.56%	\$5	\$0	\$102	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
53	Jan-73	(\$1,040)	\$0	\$375	0.0%	\$27	100.0%	(\$1)	\$0	\$479	13.23%	\$5	\$0	\$108	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
54	Feb-73	\$2,485	\$0	\$378	0.0%	\$0	100.0%	\$2	\$0	\$478	13.23%	\$5	\$0	\$113	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
55	Mar-73	\$3,837	\$0	\$382	0.0%	\$0	100.0%	\$4	\$0	\$480	13.23%	\$5	\$0	\$118	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
56	Apr-73	\$3,288	\$0	\$385	0.0%	\$0	100.0%	\$3	\$0	\$484	13.23%	\$5	\$0	\$124	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
57	May-73	\$3,686	\$0	\$389	0.0%	\$0	100.0%	\$4	\$0	\$487	13.23%	\$5	\$0	\$129	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
58	Jun-73	\$3,982	\$0	\$393	0.0%	\$0	100.0%	\$4	\$0	\$491	13.23%	\$5	\$0	\$134	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
59	Jul-73	\$5,164	\$0	\$398	0.0%	\$32	100.0%	\$5	\$0	\$527	13.23%	\$6	\$0	\$140	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
60	Aug-73	\$4,630	\$0	\$402	0.0%	\$0	100.0%	\$5	\$0	\$532	13.23%	\$6	\$0	\$146	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
61	Sep-73	\$5,206	\$0	\$408	0.0%	\$0	100.0%	\$5	\$0	\$537	13.23%	\$6	\$0	\$152	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
62	Oct-73	\$7,992	\$0	\$416	0.0%	\$0	100.0%	\$8	\$0	\$542	13.23%	\$6	\$0	\$158	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
63	Nov-73	\$4,485	\$0	\$420	0.0%	\$0	100.0%	\$4	\$0	\$550	13.23%	\$6	\$0	\$164	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
64	Dec-73	\$6,412	\$0	\$427	0.0%	\$0	100.0%	\$6	\$0	\$555	13.23%	\$6	\$0	\$170	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
65	Jan-74	\$21,430	\$0	\$448	0.0%	\$36	100.0%	\$21	\$0	\$597	13.90%	\$7	\$0	\$177	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
66	Feb-74	\$19,355	\$0	\$467	0.0%	\$0	100.0%	\$19	\$0	\$618	13.90%	\$7	\$0	\$184	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
67	Mar-74	\$21,796	\$0	\$489	0.0%	\$0	100.0%	\$22	\$0	\$638	13.90%	\$7	\$0	\$192	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
68	Apr-74	\$25,349	\$0	\$514	0.0%	\$0	100.0%	\$25	\$0	\$659	13.90%	\$8	\$0	\$199	\$0	0.0%	\$0	\$0	\$0	0.00%	\$0	\$0	\$0
69	May-74	\$25,309	\$0	\$540	0.0%	\$0	67.0%	\$17	\$0	\$685	13.90%	\$8	\$0	\$207	\$0	33.0%	\$8	\$0	\$8	8.74%	\$0	\$0	\$0
70	Jun-74	\$33,131	\$0	\$573	0.0%	\$0	67.0%	\$22	\$0	\$702	13.90%	\$8	\$0	\$215	\$0	33.0%	\$11	\$0	\$8	8.74%	\$0	\$0	\$0
71	Jul-74	\$69,084	\$0	\$642	0.0%	\$45	67.0%	\$46	\$0	\$769	13.90%	\$9	\$0	\$224	\$0	33.0%	\$23	\$0	\$19	8.74%	\$0	\$0	\$0
72	Aug-74	\$95,964	\$0	\$738	0.0%	\$0	67.0%	\$64	\$0	\$815	13.90%	\$9	\$0	\$234	\$0	33.0%	\$32	\$0	\$42	8.74%	\$0	\$0	\$1
73	Sep-74	\$88,045	\$0	\$826	0.0%	\$0	67.0%	\$59	\$0	\$880	13.90%	\$10	\$0	\$244	\$0	33.0%	\$29	\$0	\$74	8.74%	\$1	\$0	\$1
74	Oct-74	\$160,956	\$0	\$987	0.0%	\$0	67.0%	\$108	\$0	\$939	13.90%	\$11	\$0	\$255	\$0	33.0%	\$53	\$0	\$103	8.74%	\$1	\$0	\$2
75	Nov-74	\$106,622	\$0	\$1,094	0.0%	\$0	67.0%	\$71	\$0	\$1,047	13.90%	\$12	\$0	\$267	\$0	33.0%	\$35	\$0	\$156	8.74%	\$1	\$0	\$3
76	Dec-74	\$265,876	\$0	\$1,359	0.0%	\$0	67.0%	\$178	\$0	\$1,118	13.90%	\$13	\$0	\$280	\$0	33.0%	\$88	\$0	\$191	8.74%	\$1	\$0	\$4
77	Jan-75	\$40,513	\$0	\$1,400	0.0%	\$64,487	53.4%	\$22	\$0	\$1,361	13.98%	\$16	\$0	\$296	\$4	46.6%	\$19	\$0	\$283	8.80%	\$2	\$0	\$6
78	Feb-75	\$131,521	\$0	\$1,531	0.0%	\$0	53.4%	\$70	\$0	\$1,382	13.98%	\$16	\$0	\$312	\$0	46.6%	\$61	\$0	\$302	8.80%	\$2	\$0	\$9
79	Mar-75	\$256,892	\$0	\$1,788	0.0%	\$0	53.4%	\$137	\$0	\$1,453	13.98%	\$17	\$0	\$329	\$0	46.6%	\$120	\$0	\$363	8.80%	\$3	\$0	\$11
80	Apr-75	\$107,239	\$0	\$1,896	0.0%	\$0	53.4%	\$57	\$0	\$1,590	13.98%	\$19	\$0	\$347	\$0	46.6%	\$50	\$0	\$483	8.80%	\$4	\$0	\$15
81	May-75	\$262,621	\$0	\$2,158	0.0%	\$0	53.4%	\$140	\$0	\$1,647	13.98%	\$19	\$0	\$366	\$0	46.6%	\$122	\$0	\$533	8.80%	\$4	\$0	\$19
82	Jun-75	\$581,761	\$0	\$2,740	0.0%	\$0	53.4%	\$310	\$0	\$1,787	13.98%	\$21	\$0	\$387	\$0	46.6%	\$271	\$0	\$655	8.80%	\$5	\$0	\$24
83	Jul-75	(\$58,262)	\$0	\$2,682	0.0%	\$107	53.4%	(\$31)	\$0	\$2,205	13.98%	\$26	\$0	\$413	\$19	46.6%	(\$27)	\$0	\$946	8.80%	\$7	\$0	\$30
84	Aug-75	\$281,674	\$0	\$2,963	0.0%	\$0	53.4%	\$150	\$0	\$2,174	13.98%	\$25	\$0	\$438	\$0	46.6%	\$131	\$0	\$919	8.80%	\$7	\$0	\$37
85	Sep-75	\$648,093	\$0	\$3,612	0.0%	\$0	53.4%	\$346	\$0	\$2,324	13.98%	\$27	\$0	\$465	\$0	46.6%	\$302	\$0	\$1,050	8.80%	\$8	\$0	\$45
86	Oct-75	\$204,497	\$0	\$3,816	0.0%	\$0	53.4%	\$109	\$0	\$2,670	13.98%	\$31	\$0	\$496	\$0	46.6%	\$95	\$0	\$1,352	8.80%	\$10	\$0	\$55
87	Nov-75	\$271,352	\$0	\$4,087	0.0%	\$0	53.4%	\$145	\$0	\$2,779	13.98%	\$32	\$0	\$529	\$0	46.6%	\$127	\$0	\$1,448	8.80%	\$11	\$0	\$65
88	Dec-75	\$180,187	\$0	\$4,268	0.0%	\$0	53.4%	\$96	\$0	\$2,924	13.98%	\$34	\$0	\$563	\$0	46.6%	\$84	\$0	\$1,574	8.80%	\$12	\$0	\$77
89	Jan-76	\$229,571	\$0	\$4,497	0.0%	\$176	50.9%	\$117	\$0	\$3,196	13.81%	\$37	\$0	\$600	\$53	49.1%	\$113	\$0	\$1,712	8.74%	\$12	\$0	\$89
90	Feb-76	\$202,281	\$0	\$4,699	0.0%	\$0	50.9%	\$103	\$0	\$3,313	13.81%	\$38	\$0	\$638	\$0	49.1%	\$99	\$0	\$1,824	8.74%	\$13	\$0	\$103
91	Mar-76	\$177,661	\$0	\$4,877	0.0%	\$0	50.9%	\$90	\$0	\$3,416	13.81%	\$39	\$0	\$677	\$0	49.1%	\$87	\$0	\$1,923	8.74%	\$14	\$0	\$117
92	Apr-76	\$261,510	\$0	\$5,139	0.0%	\$0	50.9%	\$133	\$0	\$3,506	13.81%	\$40	\$0	\$717	\$0	49.1%	\$128	\$0	\$2,011	8.74%	\$15	\$0	\$131
93	May-76	\$275,789	\$0	\$5,414	0.0%	\$0	50.9%	\$140	\$0	\$3,639	13.81%	\$42	\$0	\$759	\$0	49.1%	\$135	\$0	\$2,139	8.74%	\$16	\$0	\$147
94	Jun-76	\$219,714	\$0	\$5,634	0.0%	\$0	50.9%	\$112	\$0	\$3,780	13.81%	\$44	\$0	\$803	\$0	49.1%	\$108	\$0	\$2,274	8.74%	\$17	\$0	\$164
95	Jul-76	\$297,548	\$0	\$5,932	0.0%	\$240	50.9%	\$152	\$0	\$4,132	13.81%	\$48	\$0	\$850	\$87	49.1%	\$146	\$0	\$2,469	8.74%	\$18	\$0	\$181
96	Aug-76	\$236,383	\$0	\$6,168	0.0%	\$0	50.9%	\$120	\$0	\$4,283	13.81%	\$49	\$0	\$900	\$0	49.1%	\$116	\$0	\$2,615	8.74%	\$19	\$0	\$201
97	Sep-76	\$231,738	\$0	\$6,400	0.0%	\$0	50.9%	\$118	\$0	\$4,404	13.81%	\$51	\$0	\$950	\$0	49.1%	\$114	\$0	\$2,731	8.74%	\$20	\$0	\$220
98	Oct-76	\$135,767	\$0	\$6,536	0.0%	\$0	50.9%	\$69	\$0	\$4,522	13.81%	\$52	\$0	\$1,002	\$0	49.1%	\$67	\$0	\$2,844	8.74%	\$21	\$0	\$241
99	Nov-76	\$159,200	\$0	\$6,695	0.0%	\$0	50.9%	\$81	\$0	\$4,591	13.81%	\$53	\$0	\$1,055	\$0	49.1%	\$78	\$0	\$2,911	8.74%	\$21	\$0	\$262
100	Dec-76	\$207,590	\$0	\$6,902	0.0%	\$0	50.9%	\$106	\$0	\$4,672	13.81%	\$54	\$0	\$1,109	\$0	49.1%	\$102	\$0	\$2,989	8.74%	\$22	\$0	\$284

Calculation of Appropriate AFUDC, 1968-1996
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
		Property Additions	Transfers to Property	Property Balance																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
101	Jan-77	\$49,871	\$0	\$6,952	0.0%	\$306	50.5%	\$25	\$0	\$5,084	14.55%	\$62	\$0	\$1,171	\$121	49.5%	\$25	\$0	\$3,212	8.82%	\$24	\$0	\$308
102	Feb-77	\$108,028	\$0	\$7,060	0.0%	\$0	50.5%	\$55	\$0	\$5,109	14.55%	\$62	\$0	\$1,233	\$0	49.5%	\$53	\$0	\$3,236	8.82%	\$24	\$0	\$332
103	Mar-77	\$355,530	\$0	\$7,416	0.0%	\$0	50.5%	\$180	\$0	\$5,164	14.55%	\$63	\$0	\$1,295	\$0	49.5%	\$176	\$0	\$3,290	8.82%	\$24	\$0	\$356
104	Apr-77	\$45,571	\$0	\$7,461	0.0%	\$0	50.5%	\$23	\$0	\$5,343	14.55%	\$65	\$0	\$1,360	\$0	49.5%	\$23	\$0	\$3,466	8.82%	\$25	\$0	\$381
105	May-77	\$131,126	\$0	\$7,592	0.0%	\$0	50.5%	\$66	\$0	\$5,366	14.55%	\$65	\$0	\$1,425	\$0	49.5%	\$65	\$0	\$3,488	8.82%	\$26	\$0	\$407
106	Jun-77	\$148,646	\$7,741	\$0	100.0%	\$0	50.5%	\$75	\$5,507	\$5,432	14.55%	\$66	\$1,491	\$0	\$0	49.5%	\$74	\$3,627	\$3,553	8.82%	\$26	\$433	\$0
107	Jul-77	\$521,361	\$0	\$521	0.0%	\$0	50.5%	\$263	\$0	\$0	14.55%	\$0	\$0	\$0	\$0	49.5%	\$258	\$0	\$0	8.86%	\$0	\$0	\$0
108	Aug-77	\$0,000	\$334	\$187	64.1%	\$0	50.5%	\$0	\$169	\$263	14.55%	\$3	\$0	\$3	\$0	49.5%	\$0	\$165	\$258	8.86%	\$2	\$0	\$2
109	Sep-77	\$0,000	\$55	\$132	29.5%	\$0	50.5%	\$0	\$28	\$94	14.55%	\$1	\$1	\$3	\$0	49.5%	\$0	\$27	\$93	8.86%	\$1	\$1	\$2
110	Oct-77	\$0,000	\$1	\$131	0.5%	\$0	50.5%	\$0	\$0	\$67	14.55%	\$1	\$0	\$4	\$0	49.5%	\$0	\$0	\$65	8.86%	\$0	\$0	\$2
111	Nov-77	\$0,000	\$1	\$130	0.5%	\$0	50.5%	\$0	\$0	\$66	14.55%	\$1	\$0	\$5	\$0	49.5%	\$0	\$0	\$65	8.86%	\$0	\$0	\$3
112	Dec-77	\$1,466	\$3	\$129	2.1%	\$0	50.5%	\$1	\$1	\$66	14.55%	\$1	\$0	\$6	\$0	49.5%	\$1	\$1	\$65	8.86%	\$0	\$0	\$3
113	Jan-78	\$0,000	\$2	\$127	1.3%	\$0	50.5%	\$0	\$1	\$65	15.42%	\$1	\$0	\$6	\$0	49.5%	\$0	\$1	\$64	8.88%	\$0	\$0	\$4
114	Feb-78	\$0,000	\$73	\$54	57.6%	\$0	50.5%	\$0	\$37	\$64	15.42%	\$1	\$4	\$4	\$0	49.5%	\$0	\$36	\$63	8.88%	\$0	\$2	\$2
115	Mar-78	\$0,000	\$39	\$15	72.7%	\$0	50.5%	\$0	\$20	\$27	15.42%	\$0	\$3	\$1	\$0	49.5%	\$0	\$19	\$27	8.88%	\$0	\$2	\$1
116	Apr-78	\$78,797	\$42	\$52	44.6%	\$0	50.5%	\$40	\$21	\$7	15.42%	\$0	\$1	\$1	\$0	49.5%	\$39	\$21	\$7	8.88%	\$0	\$0	\$0
117	May-78	(\$15,413)	\$0	\$36	0.5%	\$0	50.5%	(\$8)	\$0	\$26	15.42%	\$0	\$0	\$1	\$0	49.5%	(\$8)	\$0	\$26	8.88%	\$0	\$0	\$1
118	Jun-78	(\$11,412)	\$0	\$24	1.7%	\$0	50.5%	(\$6)	\$0	\$18	15.42%	\$0	\$0	\$1	\$0	49.5%	(\$6)	\$0	\$18	8.88%	\$0	\$0	\$1
119	Jul-78	\$0,184	\$0	\$24	1.3%	\$0	50.5%	\$0	\$0	\$12	15.42%	\$0	\$0	\$2	\$0	49.5%	\$0	\$0	\$12	8.88%	\$0	\$0	\$1
120	Aug-78	\$14,907	\$1	\$38	2.6%	\$0	50.5%	\$8	\$1	\$12	15.42%	\$0	\$0	\$2	\$0	49.5%	\$7	\$0	\$12	8.88%	\$0	\$0	\$1
121	Sep-78	\$64,862	\$3	\$100	2.9%	\$0	50.5%	\$33	\$2	\$19	15.42%	\$0	\$0	\$2	\$0	49.5%	\$32	\$1	\$19	8.88%	\$0	\$0	\$1
122	Oct-78	(\$86,230)	\$1	\$13	5.4%	\$0	50.5%	(\$44)	\$0	\$51	15.42%	\$1	\$0	\$2	\$0	49.5%	(\$43)	\$0	\$50	8.88%	\$0	\$0	\$1
123	Nov-78	\$8,134	\$1	\$20	3.6%	\$0	50.5%	\$4	\$0	\$7	15.42%	\$0	\$0	\$2	\$0	49.5%	\$4	\$0	\$6	8.88%	\$0	\$0	\$1
124	Dec-78	\$73,421	\$10	\$84	10.1%	\$0	50.5%	\$37	\$5	\$10	15.42%	\$0	\$0	\$2	\$0	49.5%	\$36	\$5	\$10	8.88%	\$0	\$0	\$1
125	Jan-79	(\$7,144)	\$1	\$77	0.7%	\$0	50.5%	(\$4)	\$0	\$43	16.28%	\$1	\$0	\$3	\$0	49.5%	(\$4)	\$0	\$42	8.90%	\$0	\$0	\$2
126	Feb-79	\$1,699	\$0	\$78	0.0%	\$0	50.5%	\$1	\$0	\$39	16.28%	\$1	\$0	\$3	\$0	49.5%	\$1	\$0	\$38	8.90%	\$0	\$0	\$2
127	Mar-79	\$0,725	\$0	\$79	0.2%	\$0	50.5%	\$0	\$0	\$40	16.28%	\$1	\$0	\$4	\$0	49.5%	\$0	\$0	\$39	8.90%	\$0	\$0	\$2
128	Apr-79	\$3,515	\$0	\$82	0.3%	\$0	50.5%	\$2	\$0	\$40	16.28%	\$1	\$0	\$4	\$0	49.5%	\$2	\$0	\$39	8.90%	\$0	\$0	\$2
129	May-79	\$3,451	\$0	\$85	0.5%	\$0	50.5%	\$2	\$0	\$41	16.28%	\$1	\$0	\$5	\$0	49.5%	\$2	\$0	\$41	8.90%	\$0	\$0	\$3
130	Jun-79	\$9,331	\$0	\$94	0.1%	\$0	50.5%	\$5	\$0	\$43	16.28%	\$1	\$0	\$6	\$0	49.5%	\$5	\$0	\$42	8.90%	\$0	\$0	\$3
131	Jul-79	\$5,606	\$1	\$99	0.8%	\$0	50.5%	\$3	\$0	\$48	16.28%	\$1	\$0	\$6	\$0	49.5%	\$3	\$0	\$47	8.90%	\$0	\$0	\$3
132	Aug-79	\$8,536	\$0	\$108	0.1%	\$0	50.5%	\$4	\$0	\$50	16.28%	\$1	\$0	\$7	\$0	49.5%	\$4	\$0	\$49	8.90%	\$0	\$0	\$4
133	Sep-79	\$10,836	\$1	\$117	1.1%	\$0	50.5%	\$5	\$1	\$54	16.28%	\$1	\$0	\$7	\$0	49.5%	\$5	\$1	\$53	8.90%	\$0	\$0	\$4
134	Oct-79	\$25,480	\$54	\$89	37.9%	\$0	50.5%	\$13	\$27	\$59	16.28%	\$1	\$3	\$5	\$0	49.5%	\$13	\$27	\$58	8.90%	\$0	\$2	\$3
135	Nov-79	\$7,506	\$0	\$96	0.0%	\$0	50.5%	\$4	\$0	\$45	16.28%	\$1	\$0	\$6	\$0	49.5%	\$4	\$0	\$44	8.90%	\$0	\$0	\$3
136	Dec-79	\$12,338	\$17	\$91	16.0%	\$0	50.5%	\$6	\$9	\$49	16.28%	\$1	\$1	\$6	\$0	49.5%	\$6	\$9	\$48	8.90%	\$0	\$1	\$3
137	Jan-80	\$24,800	\$2	\$113	2.1%	\$0	50.5%	\$13	\$1	\$46	18.25%	\$1	\$0	\$6	\$0	49.5%	\$12	\$1	\$45	8.98%	\$0	\$0	\$3
138	Feb-80	\$7,678	\$1	\$120	0.5%	\$0	50.5%	\$4	\$0	\$57	18.25%	\$1	\$0	\$7	\$0	49.5%	\$4	\$0	\$56	8.98%	\$0	\$0	\$4
139	Mar-80	\$7,840	\$0	\$128	0.2%	\$0	50.5%	\$4	\$0	\$61	18.25%	\$1	\$0	\$8	\$0	49.5%	\$4	\$0	\$60	8.98%	\$0	\$0	\$4
140	Apr-80	\$13,319	\$1	\$141	0.5%	\$0	50.5%	\$7	\$0	\$65	18.25%	\$1	\$0	\$9	\$0	49.5%	\$7	\$0	\$63	8.98%	\$0	\$0	\$5
141	May-80	\$9,317	\$0	\$150	0.3%	\$0	50.5%	\$5	\$0	\$71	18.25%	\$1	\$0	\$10	\$0	49.5%	\$5	\$0	\$70	8.98%	\$1	\$0	\$5
142	Jun-80	\$11,464	\$1	\$160	0.4%	\$0	50.5%	\$6	\$0	\$75	18.25%	\$1	\$0	\$11	\$0	49.5%	\$6	\$0	\$74	8.98%	\$1	\$0	\$6
143	Jul-80	\$14,285	\$1	\$174	0.3%	\$0	50.5%	\$7	\$0	\$81	18.25%	\$1	\$0	\$12	\$0	49.5%	\$7	\$0	\$79	8.98%	\$1	\$0	\$6
144	Aug-80	\$12,716	\$1	\$185	0.7%	\$0	50.5%	\$6	\$1	\$88	18.25%	\$1	\$0	\$14	\$0	49.5%	\$6	\$1	\$86	8.98%	\$1	\$0	\$7
145	Sep-80	\$12,692	\$30	\$168	15.2%	\$0	50.5%	\$6	\$15	\$94	18.25%	\$1	\$2	\$13	\$0	49.5%	\$6	\$15	\$92	8.98%	\$1	\$1	\$7
146	Oct-80	\$14,194	(\$0)	\$182	-0.1%	\$0	50.5%	\$7	(\$0)	\$85	18.25%	\$1	(\$0)	\$14	\$0	49.5%	\$7	(\$0)	\$83	8.98%	\$1	(\$0)	\$7
147	Nov-80	\$7,321	\$1	\$189	0.5%	\$0	50.5%	\$4	\$0	\$92	18.25%	\$1	\$0	\$16	\$0	49.5%	\$4	\$0	\$90	8.98%	\$1	\$0	\$8
148	Dec-80	(\$1,313)	\$71	\$117	37.9%	\$0	50.5%	(\$1)	\$36	\$95	18.25%	\$1	\$6	\$11	\$0	49.5%	(\$1)	\$35	\$93	8.98%	\$1	\$3	\$6
149	Jan-81	(\$8,296)	\$20	\$88	18.5%	\$0	50.5%	(\$4)	\$10	\$59	21.16%	\$1	\$2	\$10	\$0	49.5%	(\$4)	\$10	\$58	9.01%	\$0	\$1	\$5
150	Feb-81	\$1,749	\$1	\$89	1.0%	\$0	50.5%	\$1	\$0	\$45	21.16%	\$1	\$0	\$11	\$0	49.5%	\$1	\$0	\$44	9.01%	\$0	\$0	\$5

Calculation of Appropriate AFUDC, 1968-1996
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
		Property Additions	Transfers to Property	Property Balance																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
151	Mar-81	\$4,919	\$2	\$92	2.3%	\$0	50.5%	\$2	\$1	\$45	21.16%	\$1	\$0	\$11	\$0	49.5%	\$2	\$1	\$44	9.01%	\$0	\$0	\$5
152	Apr-81	(\$10.878)	\$0	\$81	0.2%	\$0	50.5%	(\$5)	\$0	\$46	21.16%	\$1	\$0	\$12	\$0	49.5%	(\$5)	\$0	\$45	9.01%	\$0	\$0	\$6
153	May-81	\$3,726	\$1	\$84	1.2%	\$0	50.5%	\$2	\$0	\$41	21.16%	\$1	\$0	\$13	\$0	49.5%	\$2	\$0	\$40	9.01%	\$0	\$0	\$6
154	Jun-81	\$7,222	\$2	\$88	2.7%	\$0	50.5%	\$4	\$1	\$42	21.16%	\$1	\$0	\$13	\$0	49.5%	\$4	\$1	\$41	9.01%	\$0	\$0	\$6
155	Jul-81	\$21,536	\$2	\$108	1.9%	\$0	50.5%	\$11	\$1	\$45	21.16%	\$1	\$0	\$14	\$0	49.5%	\$11	\$1	\$44	9.01%	\$0	\$0	\$6
156	Aug-81	\$9,854	\$2	\$116	1.5%	\$0	50.5%	\$5	\$1	\$54	21.16%	\$1	\$0	\$14	\$0	49.5%	\$5	\$1	\$53	9.01%	\$0	\$0	\$7
157	Sep-81	\$13,808	\$1	\$128	1.1%	\$0	50.5%	\$7	\$1	\$59	21.16%	\$1	\$0	\$15	\$0	49.5%	\$7	\$1	\$57	9.01%	\$0	\$0	\$7
158	Oct-81	\$9,272	\$3	\$135	2.2%	\$0	50.5%	\$5	\$2	\$65	21.16%	\$1	\$0	\$16	\$0	49.5%	\$5	\$1	\$64	9.01%	\$0	\$0	\$7
159	Nov-81	\$1,654	\$0	\$136	0.3%	\$0	50.5%	\$1	\$0	\$68	21.16%	\$1	\$0	\$17	\$0	49.5%	\$1	\$0	\$67	9.01%	\$1	\$0	\$8
160	Dec-81	(\$18,815)	\$45	\$72	38.1%	\$0	50.5%	(\$10)	\$23	\$69	21.16%	\$1	\$7	\$12	\$0	49.5%	(\$9)	\$22	\$67	9.01%	\$1	\$3	\$5
161	Jan-82	(\$39,518)	\$6	\$27	16.9%	\$0	50.5%	(\$20)	\$3	\$37	20.81%	\$1	\$2	\$11	\$0	49.5%	(\$20)	\$3	\$36	9.03%	\$0	\$1	\$5
162	Feb-82	\$3,121	\$1	\$29	3.6%	\$0	50.5%	\$2	\$1	\$14	20.81%	\$0	\$0	\$10	\$0	49.5%	\$2	\$1	\$14	9.03%	\$0	\$0	\$5
163	Mar-82	\$1,723	\$1	\$30	3.4%	\$0	50.5%	\$1	\$1	\$15	20.81%	\$0	\$0	\$10	\$0	49.5%	\$1	\$1	\$15	9.03%	\$0	\$0	\$5
164	Apr-82	\$3,745	\$2	\$31	6.8%	\$0	50.5%	\$2	\$1	\$15	20.81%	\$0	\$1	\$10	\$0	49.5%	\$2	\$1	\$15	9.03%	\$0	\$0	\$4
165	May-82	\$5,213	\$1	\$36	2.7%	\$0	50.5%	\$3	\$1	\$16	20.81%	\$0	\$0	\$10	\$0	49.5%	\$3	\$0	\$16	9.03%	\$0	\$0	\$4
166	Jun-82	\$10,069	\$1	\$45	1.8%	\$0	50.5%	\$5	\$0	\$18	20.81%	\$0	\$0	\$10	\$0	49.5%	\$5	\$0	\$18	9.03%	\$0	\$0	\$4
167	Jul-82	\$5,197	\$1	\$49	1.6%	\$0	50.5%	\$3	\$0	\$23	20.81%	\$0	\$0	\$10	\$0	49.5%	\$3	\$0	\$22	9.03%	\$0	\$0	\$5
168	Aug-82	\$12,156	\$18	\$44	28.9%	\$0	50.5%	\$6	\$9	\$25	20.81%	\$0	\$3	\$8	\$0	49.5%	\$6	\$9	\$24	9.03%	\$0	\$1	\$3
169	Sep-82	\$9,022	\$10	\$43	19.3%	\$0	50.5%	\$5	\$5	\$22	20.81%	\$0	\$1	\$7	\$0	49.5%	\$4	\$5	\$22	9.03%	\$0	\$1	\$3
170	Oct-82	\$6,323	\$9	\$39	19.4%	\$0	50.5%	\$3	\$5	\$21	20.81%	\$0	\$1	\$6	\$0	49.5%	\$3	\$5	\$21	9.03%	\$0	\$1	\$3
171	Nov-82	\$0,543	\$4	\$36	10.4%	\$0	50.5%	\$0	\$2	\$20	20.81%	\$0	\$1	\$5	\$0	49.5%	\$0	\$2	\$20	9.03%	\$0	\$0	\$2
172	Dec-82	\$0,440	\$3	\$33	7.9%	\$0	50.5%	\$0	\$1	\$18	20.81%	\$0	\$0	\$5	\$0	49.5%	\$0	\$1	\$18	9.03%	\$0	\$0	\$2
173	Jan-83	\$1,446	\$1	\$34	1.9%	\$0	50.5%	\$1	\$0	\$17	17.46%	\$0	\$0	\$5	\$0	49.5%	\$1	\$0	\$17	9.08%	\$0	\$0	\$2
174	Feb-83	\$2,967	\$0	\$37	0.6%	\$0	50.5%	\$1	\$0	\$17	17.46%	\$0	\$0	\$6	\$0	49.5%	\$1	\$0	\$17	9.08%	\$0	\$0	\$3
175	Mar-83	\$12,156	\$13	\$36	26.9%	\$0	50.5%	\$6	\$7	\$19	17.46%	\$0	\$2	\$4	\$0	49.5%	\$6	\$7	\$18	9.08%	\$0	\$1	\$2
176	Apr-83	\$11,964	\$9	\$39	18.5%	\$0	50.5%	\$6	\$4	\$18	17.46%	\$0	\$1	\$4	\$0	49.5%	\$6	\$4	\$18	9.08%	\$0	\$0	\$2
177	May-83	\$5,997	\$1	\$44	2.1%	\$0	50.5%	\$3	\$0	\$20	17.46%	\$0	\$0	\$4	\$0	49.5%	\$3	\$0	\$19	9.08%	\$0	\$0	\$2
178	Jun-83	\$6,524	\$0	\$50	0.9%	\$0	50.5%	\$3	\$0	\$22	17.46%	\$0	\$0	\$4	\$0	49.5%	\$3	\$0	\$22	9.08%	\$0	\$0	\$2
179	Jul-83	\$3,630	\$0	\$53	0.4%	\$0	50.5%	\$2	\$0	\$25	17.46%	\$0	\$0	\$5	\$0	49.5%	\$2	\$0	\$25	9.08%	\$0	\$0	\$2
180	Aug-83	(\$1,387)	\$1	\$51	1.7%	\$0	50.5%	(\$1)	\$0	\$27	17.46%	\$0	\$0	\$5	\$0	49.5%	(\$1)	\$0	\$26	9.08%	\$0	\$0	\$2
181	Sep-83	\$5,401	\$42	\$14	74.5%	\$0	50.5%	\$3	\$21	\$26	17.46%	\$0	\$4	\$2	\$0	49.5%	\$3	\$21	\$25	9.08%	\$0	\$2	\$1
182	Oct-83	\$3,740	\$2	\$16	11.4%	\$0	50.5%	\$2	\$1	\$7	17.46%	\$0	\$0	\$2	\$0	49.5%	\$2	\$1	\$7	9.08%	\$0	\$0	\$1
183	Nov-83	\$3,091	\$4	\$15	20.5%	\$0	50.5%	\$2	\$2	\$8	17.46%	\$0	\$0	\$1	\$0	49.5%	\$2	\$2	\$8	9.08%	\$0	\$0	\$1
184	Dec-83	\$5,933	\$3	\$18	14.7%	\$0	50.5%	\$3	\$2	\$8	17.46%	\$0	\$0	\$1	\$0	49.5%	\$3	\$2	\$8	9.08%	\$0	\$0	\$1
185	Jan-84	\$2,443	\$1	\$20	3.9%	\$0	50.5%	\$1	\$0	\$9	18.66%	\$0	\$0	\$1	\$0	49.5%	\$1	\$0	\$9	9.13%	\$0	\$0	\$1
186	Feb-84	\$2,919	\$0	\$22	2.1%	\$0	50.5%	\$1	\$0	\$10	18.66%	\$0	\$0	\$1	\$0	49.5%	\$1	\$0	\$10	9.13%	\$0	\$0	\$1
187	Mar-84	\$5,833	\$5	\$23	19.6%	\$0	50.5%	\$3	\$3	\$11	18.66%	\$0	\$0	\$1	\$0	49.5%	\$3	\$3	\$11	9.13%	\$0	\$0	\$1
188	Apr-84	\$3,978	\$2	\$24	8.9%	\$0	50.5%	\$2	\$1	\$11	18.66%	\$0	\$0	\$1	\$0	49.5%	\$2	\$1	\$11	9.13%	\$0	\$0	\$1
189	May-84	\$4,588	\$3	\$26	11.2%	\$0	50.5%	\$2	\$2	\$12	18.66%	\$0	\$0	\$1	\$0	49.5%	\$2	\$2	\$12	9.13%	\$0	\$0	\$1
190	Jun-84	\$2,182	\$1	\$27	4.0%	\$0	50.5%	\$1	\$1	\$13	18.66%	\$0	\$0	\$2	\$0	49.5%	\$1	\$1	\$13	9.13%	\$0	\$0	\$1
191	Jul-84	\$2,806	\$1	\$28	3.9%	\$0	50.5%	\$1	\$1	\$13	18.66%	\$0	\$0	\$2	\$0	49.5%	\$1	\$1	\$13	9.13%	\$0	\$0	\$1
192	Aug-84	\$1,364	\$0	\$29	0.9%	\$0	50.5%	\$1	\$0	\$14	18.66%	\$0	\$0	\$2	\$0	49.5%	\$1	\$0	\$14	9.13%	\$0	\$0	\$1
193	Sep-84	\$1,420	\$0	\$30	1.5%	\$0	50.5%	\$1	\$0	\$15	18.66%	\$0	\$0	\$2	\$0	49.5%	\$1	\$0	\$15	9.13%	\$0	\$0	\$1
194	Oct-84	\$1,504	\$6	\$26	17.8%	\$0	50.5%	\$1	\$3	\$15	18.66%	\$0	\$0	\$2	\$0	49.5%	\$1	\$3	\$15	9.13%	\$0	\$0	\$1
195	Nov-84	\$2,224	\$2	\$26	6.7%	\$0	50.5%	\$1	\$1	\$13	18.66%	\$0	\$0	\$2	\$0	49.5%	\$1	\$1	\$13	9.13%	\$0	\$0	\$1
196	Dec-84	\$15,530	\$42	\$0	100.0%	\$0	50.5%	\$8	\$21	\$13	18.66%	\$0	\$2	\$0	\$0	49.5%	\$8	\$21	\$13	9.13%	\$0	\$1	\$0
197	Jan-85	\$8,145	\$0	\$8	1.7%	\$0	50.5%	\$4	\$0	(\$0)	17.35%	(\$0)	(\$0)	(\$0)	\$0	49.5%	\$4	(\$0)	(\$0)	9.16%	(\$0)	\$0	(\$0)
198	Feb-85	\$4,541	\$0	\$13	0.4%	\$0	50.5%	\$2	\$0	\$4	17.35%	\$0	(\$0)	\$0	\$0	49.5%	\$2	\$0	\$4	9.16%	\$0	(\$0)	\$0
199	Mar-85	\$5,035	\$0	\$17	1.2%	\$0	50.5%	\$3	\$0	\$6	17.35%	\$0	\$0	\$0	\$0	49.5%	\$2	\$0	\$6	9.16%	\$0	\$0	\$0
200	Apr-85	\$5,114	\$1	\$21	5.8%	\$0	50.5%	\$3	\$1	\$9	17.35%	\$0	\$0	\$0	\$0	49.5%	\$3	\$1	\$9	9.16%	\$0	\$0	\$0

Calculation of Appropriate AFUDC, 1968-1996
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
		Property Additions	Transfers to Property	Property Balance																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
201	May-85	\$3.059	\$1	\$24	2.7%	\$0	50.5%	\$2	\$0	\$11	17.35%	\$0	\$0	\$0	\$0	49.5%	\$2	\$0	\$10	9.16%	\$0	\$0	\$0
202	Jun-85	\$1.075	\$25	\$0	100.0%	\$0	50.5%	\$1	\$12	\$12	17.35%	\$0	\$1	\$0	\$0	49.5%	\$1	\$12	\$12	9.16%	\$0	\$0	\$0
203	Jul-85	\$3.104	\$3	\$0	87.7%	\$0	50.5%	\$2	\$1	(\$0)	17.35%	(\$0)	\$0	(\$0)	\$0	49.5%	\$2	\$1	(\$0)	9.16%	(\$0)	\$0	(\$0)
204	Aug-85	\$1.274	\$1	\$1	43.8%	\$0	50.5%	\$1	\$0	\$0	17.35%	\$0	(\$0)	\$0	\$0	49.5%	\$1	\$0	\$0	9.16%	\$0	(\$0)	\$0
205	Sep-85	\$1.171	\$0	\$2	12.6%	\$0	50.5%	\$1	\$0	\$0	17.35%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$0	9.16%	\$0	\$0	\$0
206	Oct-85	\$1.278	\$1	\$2	37.5%	\$0	50.5%	\$1	\$1	\$1	17.35%	\$0	\$0	\$0	\$0	49.5%	\$1	\$1	\$1	9.16%	\$0	\$0	\$0
207	Nov-85	\$0.414	\$0	\$2	17.2%	\$0	50.5%	\$0	\$0	\$1	17.35%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$1	9.16%	\$0	\$0	\$0
208	Dec-85	(\$1.097)	\$0	\$1	0.0%	\$0	50.5%	(\$1)	\$0	\$1	17.35%	\$0	\$0	\$0	\$0	49.5%	(\$1)	\$0	\$1	9.16%	\$0	\$0	\$0
209	Jan-86	\$1.426	\$1	\$2	24.9%	\$0	50.5%	\$1	\$0	\$0	16.04%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$0	9.17%	\$0	\$0	\$0
210	Feb-86	\$0.855	\$0	\$2	16.9%	\$0	50.5%	\$0	\$0	\$1	16.04%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$1	9.17%	\$0	\$0	\$0
211	Mar-86	\$0.403	\$0	\$2	1.7%	\$0	50.5%	\$0	\$0	\$1	16.04%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$1	9.17%	\$0	\$0	\$0
212	Apr-86	\$0.785	\$0	\$3	5.4%	\$0	50.5%	\$0	\$0	\$1	16.04%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$1	9.17%	\$0	\$0	\$0
213	May-86	\$1.529	\$2	\$3	36.4%	\$0	50.5%	\$1	\$1	\$2	16.04%	\$0	\$0	\$0	\$0	49.5%	\$1	\$1	\$2	9.17%	\$0	\$0	\$0
214	Jun-86	\$3.016	\$1	\$5	13.7%	\$0	50.5%	\$2	\$0	\$1	16.04%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$1	9.17%	\$0	\$0	\$0
215	Jul-86	\$2.768	\$1	\$7	7.1%	\$0	50.5%	\$1	\$0	\$3	16.04%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$3	9.17%	\$0	\$0	\$0
216	Aug-86	\$4.096	\$0	\$11	1.8%	\$0	50.5%	\$2	\$0	\$4	16.04%	\$0	\$0	\$0	\$0	49.5%	\$2	\$0	\$4	9.17%	\$0	\$0	\$0
217	Sep-86	\$2.030	\$0	\$13	0.9%	\$0	50.5%	\$1	\$0	\$6	16.04%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$6	9.17%	\$0	\$0	\$0
218	Oct-86	\$16.698	\$26	\$4	88.0%	\$0	50.5%	\$8	\$13	\$7	16.04%	\$0	\$0	\$0	\$0	49.5%	\$8	\$13	\$7	9.17%	\$0	\$0	\$0
219	Nov-86	\$0.835	\$0	\$4	9.5%	\$0	50.5%	\$0	\$0	\$2	16.04%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$2	9.17%	\$0	\$0	\$0
220	Dec-86	\$2.066	\$4	\$2	62.9%	\$0	50.5%	\$1	\$2	\$2	16.04%	\$0	\$0	\$0	\$0	49.5%	\$1	\$2	\$2	9.17%	\$0	\$0	\$0
221	Jan-87	\$0.941	\$2	\$2	48.3%	\$0	50.5%	\$0	\$1	\$1	16.00%	\$0	\$0	\$0	\$0	49.5%	\$0	\$1	\$1	9.19%	\$0	\$0	\$0
222	Feb-87	\$0.252	\$0	\$2	2.7%	\$0	50.5%	\$0	\$0	\$1	16.00%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$1	9.19%	\$0	\$0	\$0
223	Mar-87	\$1.163	\$1	\$2	31.8%	\$0	50.5%	\$1	\$0	\$1	16.00%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$1	9.19%	\$0	\$0	\$0
224	Apr-87	\$1.739	\$0	\$3	11.7%	\$0	50.5%	\$1	\$0	\$1	16.00%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$1	9.19%	\$0	\$0	\$0
225	May-87	\$4.131	\$1	\$7	9.0%	\$0	50.5%	\$2	\$0	\$2	16.00%	\$0	\$0	\$0	\$0	49.5%	\$2	\$0	\$2	9.19%	\$0	\$0	\$0
226	Jun-87	\$6.657	\$1	\$12	10.2%	\$0	50.5%	\$3	\$1	\$3	16.00%	\$0	\$0	\$0	\$0	49.5%	\$3	\$1	\$3	9.19%	\$0	\$0	\$0
227	Jul-87	\$7.798	\$7	\$13	33.0%	\$0	50.5%	\$4	\$3	\$6	16.00%	\$0	\$0	\$0	\$0	49.5%	\$4	\$3	\$6	9.19%	\$0	\$0	\$0
228	Aug-87	\$3.655	\$1	\$16	5.4%	\$0	50.5%	\$2	\$0	\$7	16.00%	\$0	\$0	\$0	\$0	49.5%	\$2	\$0	\$7	9.19%	\$0	\$0	\$0
229	Sep-87	\$7.007	\$16	\$7	71.1%	\$0	50.5%	\$4	\$8	\$8	16.00%	\$0	\$0	\$0	\$0	49.5%	\$3	\$8	\$8	9.19%	\$0	\$0	\$0
230	Oct-87	\$1.272	\$1	\$7	7.3%	\$0	50.5%	\$1	\$0	\$3	16.00%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$3	9.19%	\$0	\$0	\$0
231	Nov-87	\$2.743	\$1	\$9	11.4%	\$0	50.5%	\$1	\$1	\$4	16.00%	\$0	\$0	\$0	\$0	49.5%	\$1	\$1	\$4	9.19%	\$0	\$0	\$0
232	Dec-87	\$6.586	\$14	\$1	90.7%	\$0	50.5%	\$3	\$7	\$5	16.00%	\$0	\$0	\$0	\$0	49.5%	\$3	\$7	\$4	9.19%	\$0	\$0	\$0
233	Jan-88	\$0.316	\$0	\$2	5.6%	\$0	50.5%	\$0	\$0	\$1	16.42%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$1	9.20%	\$0	\$0	\$0
234	Feb-88	\$1.650	\$1	\$2	42.1%	\$0	50.5%	\$1	\$1	\$1	16.42%	\$0	\$0	\$0	\$0	49.5%	\$1	\$1	\$1	9.20%	\$0	\$0	\$0
235	Mar-88	\$1.437	\$1	\$2	43.5%	\$0	50.5%	\$1	\$1	\$1	16.42%	\$0	\$0	\$0	\$0	49.5%	\$1	\$1	\$1	9.20%	\$0	\$0	\$0
236	Apr-88	\$0.910	\$0	\$2	16.2%	\$0	50.5%	\$0	\$0	\$1	16.42%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$1	9.20%	\$0	\$0	\$0
237	May-88	\$1.372	\$1	\$3	24.9%	\$0	50.5%	\$1	\$0	\$1	16.42%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$1	9.20%	\$0	\$0	\$0
238	Jun-88	\$0.439	\$0	\$3	13.7%	\$0	50.5%	\$0	\$0	\$1	16.42%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$1	9.20%	\$0	\$0	\$0
239	Jul-88	\$1.693	\$0	\$4	5.7%	\$0	50.5%	\$1	\$0	\$1	16.42%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$1	9.20%	\$0	\$0	\$0
240	Aug-88	\$1.841	\$0	\$6	7.2%	\$0	50.5%	\$1	\$0	\$2	16.42%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$2	9.20%	\$0	\$0	\$0
241	Sep-88	\$3.728	\$2	\$7	22.3%	\$0	50.5%	\$2	\$1	\$3	16.42%	\$0	\$0	\$0	\$0	49.5%	\$2	\$1	\$3	9.20%	\$0	\$0	\$0
242	Oct-88	\$2.898	\$1	\$10	5.5%	\$0	50.5%	\$1	\$0	\$4	16.42%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$4	9.20%	\$0	\$0	\$0
243	Nov-88	\$1.784	\$3	\$8	28.0%	\$0	50.5%	\$1	\$2	\$5	16.42%	\$0	\$0	\$0	\$0	49.5%	\$1	\$2	\$5	9.20%	\$0	\$0	\$0
244	Dec-88	\$1.292	\$1	\$9	9.9%	\$0	50.5%	\$1	\$0	\$4	16.42%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$4	9.20%	\$0	\$0	\$0
245	Jan-89	\$1.191	\$1	\$9	6.5%	\$0	50.5%	\$1	\$0	\$4	16.18%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$4	9.23%	\$0	\$0	\$0
246	Feb-89	\$0.705	\$1	\$9	7.6%	\$0	50.5%	\$0	\$0	\$5	16.18%	\$0	\$0	\$0	\$0	49.5%	\$0	\$0	\$5	9.23%	\$0	\$0	\$0
247	Mar-89	\$1.805	\$1	\$10	6.1%	\$0	50.5%	\$1	\$0	\$5	16.18%	\$0	\$0	\$0	\$0	49.5%	\$1	\$0	\$4	9.23%	\$0	\$0	\$0
248	Apr-89	\$3.021	\$2	\$11	16.5%	\$0	50.5%	\$2	\$1	\$5	16.18%	\$0	\$0	\$0	\$0	49.5%	\$1	\$1	\$5	9.23%	\$0	\$0	\$0
249	May-89	\$6.348	\$8	\$9	47.0%	\$0	50.5%	\$3	\$4	\$6	16.18%	\$0	\$0	\$0	\$0	49.5%	\$3	\$4	\$5	9.23%	\$0	\$0	\$0
250	Jun-89	\$4.545	\$3	\$11	18.5%	\$0	50.5%	\$2	\$1	\$5	16.18%	\$0	\$0	\$0	\$0	49.5%	\$2	\$1	\$5	9.23%	\$0	\$0	\$0

Calculation of Appropriate AFUDC, 1968-1996
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
		Property Additions	Transfers to Property	Property Balance																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
251	Jul-89	\$3.932	\$2	\$14	10.9%	\$0	50.5%	\$2	\$1	\$6	16.18%	\$0	\$0	\$0	\$0	49.5%	\$2	\$1	\$6	9.23%	\$0	\$0	\$0
252	Aug-89	\$6.670	\$5	\$15	26.8%	\$0	50.5%	\$3	\$3	\$7	16.18%	\$0	\$0	\$0	\$0	49.5%	\$3	\$3	\$7	9.23%	\$0	\$0	\$0
253	Sep-89	\$7.190	\$1	\$21	5.3%	\$0	50.5%	\$4	\$1	\$7	16.18%	\$0	\$0	\$0	\$0	49.5%	\$4	\$1	\$7	9.23%	\$0	\$0	\$0
254	Oct-89	\$8.172	\$5	\$24	16.4%	\$0	50.5%	\$4	\$2	\$10	16.18%	\$0	\$0	\$0	\$0	49.5%	\$4	\$2	\$10	9.23%	\$0	\$0	\$0
255	Nov-89	\$4.093	\$1	\$27	3.0%	\$0	50.5%	\$2	\$0	\$12	16.18%	\$0	\$0	\$1	\$0	49.5%	\$2	\$0	\$12	9.23%	\$0	\$0	\$0
256	Dec-89	\$6.945	\$15	\$20	43.1%	\$0	50.5%	\$4	\$7	\$14	16.18%	\$0	\$0	\$1	\$0	49.5%	\$3	\$7	\$14	9.23%	\$0	\$0	\$0
257	Jan-90	\$4.851	\$3	\$21	13.8%	\$0	50.5%	\$2	\$2	\$10	16.35%	\$0	\$0	\$1	\$0	49.5%	\$2	\$2	\$10	9.35%	\$0	\$0	\$0
258	Feb-90	\$5.225	\$2	\$25	5.9%	\$0	50.5%	\$3	\$1	\$11	16.35%	\$0	\$0	\$1	\$0	49.5%	\$3	\$1	\$10	9.35%	\$0	\$0	\$0
259	Mar-90	\$5.339	\$1	\$29	3.8%	\$0	50.5%	\$3	\$1	\$12	16.35%	\$0	\$0	\$1	\$0	49.5%	\$3	\$1	\$12	9.35%	\$0	\$0	\$0
260	Apr-90	\$6.405	\$1	\$34	3.2%	\$0	50.5%	\$3	\$1	\$15	16.35%	\$0	\$0	\$1	\$0	49.5%	\$3	\$1	\$14	9.35%	\$0	\$0	\$1
261	May-90	\$9.574	\$4	\$40	8.4%	\$0	50.5%	\$5	\$2	\$17	16.35%	\$0	\$0	\$1	\$0	49.5%	\$5	\$2	\$17	9.35%	\$0	\$0	\$1
262	Jun-90	\$14.758	\$5	\$50	8.6%	\$0	50.5%	\$7	\$2	\$20	16.35%	\$0	\$0	\$1	\$0	49.5%	\$7	\$2	\$20	9.35%	\$0	\$0	\$1
263	Jul-90	\$9.246	\$7	\$53	11.1%	\$0	50.5%	\$5	\$3	\$25	16.35%	\$0	\$0	\$2	\$0	49.5%	\$5	\$3	\$25	9.35%	\$0	\$0	\$1
264	Aug-90	\$13.457	\$4	\$62	5.8%	\$0	50.5%	\$7	\$2	\$27	16.35%	\$0	\$0	\$2	\$0	49.5%	\$7	\$2	\$26	9.35%	\$0	\$0	\$1
265	Sep-90	\$26.482	\$18	\$71	19.8%	\$0	50.5%	\$13	\$9	\$32	16.35%	\$0	\$0	\$2	\$0	49.5%	\$13	\$9	\$31	9.35%	\$0	\$0	\$1
266	Oct-90	\$24.058	\$3	\$92	3.4%	\$0	50.5%	\$12	\$2	\$36	16.35%	\$0	\$0	\$2	\$0	49.5%	\$12	\$2	\$35	9.35%	\$0	\$0	\$1
267	Nov-90	\$20.327	\$20	\$92	17.8%	\$0	50.5%	\$10	\$10	\$47	16.35%	\$1	\$0	\$3	\$0	49.5%	\$10	\$10	\$46	9.35%	\$0	\$0	\$1
268	Dec-90	\$26.576	\$25	\$94	21.2%	\$0	50.5%	\$13	\$13	\$47	16.35%	\$1	\$1	\$3	\$0	49.5%	\$13	\$13	\$46	9.35%	\$0	\$0	\$1
269	Jan-91	\$6.718	\$9	\$92	8.6%	\$0	50.5%	\$3	\$4	\$47	16.06%	\$1	\$0	\$3	\$0	49.5%	\$3	\$4	\$46	9.37%	\$0	\$0	\$2
270	Feb-91	\$14.897	\$3	\$104	2.9%	\$0	50.5%	\$8	\$2	\$46	16.06%	\$1	\$0	\$4	\$0	49.5%	\$7	\$2	\$45	9.37%	\$0	\$0	\$2
271	Mar-91	\$23.354	\$42	\$85	33.3%	\$0	50.5%	\$12	\$21	\$52	16.06%	\$1	\$1	\$3	\$0	49.5%	\$12	\$21	\$51	9.37%	\$0	\$1	\$2
272	Apr-91	\$14.557	\$2	\$98	1.7%	\$0	50.5%	\$7	\$1	\$43	16.06%	\$1	\$0	\$4	\$0	49.5%	\$7	\$1	\$42	9.37%	\$0	\$0	\$2
273	May-91	\$13.831	\$3	\$108	2.8%	\$0	50.5%	\$7	\$2	\$49	16.06%	\$1	\$0	\$4	\$0	49.5%	\$7	\$2	\$48	9.37%	\$0	\$0	\$2
274	Jun-91	\$13.658	\$2	\$120	1.6%	\$0	50.5%	\$7	\$1	\$55	16.06%	\$1	\$0	\$5	\$0	49.5%	\$7	\$1	\$54	9.37%	\$0	\$0	\$3
275	Jul-91	\$15.370	\$11	\$124	8.3%	\$0	50.5%	\$8	\$6	\$61	16.06%	\$1	\$0	\$5	\$0	49.5%	\$8	\$6	\$59	9.37%	\$0	\$0	\$3
276	Aug-91	(\$1.860)	\$10	\$112	8.3%	\$0	50.5%	(\$1)	\$5	\$63	16.06%	\$1	\$0	\$6	\$0	49.5%	(\$1)	\$5	\$61	9.37%	\$0	\$0	\$3
277	Sep-91	(\$67.475)	\$3	\$42	6.0%	\$0	50.5%	(\$34)	\$1	\$57	16.06%	\$1	\$0	\$6	\$0	49.5%	(\$33)	\$1	\$56	9.37%	\$0	\$0	\$3
278	Oct-91	\$8.532	\$5	\$45	10.7%	\$0	50.5%	\$4	\$3	\$21	16.06%	\$0	\$1	\$6	\$0	49.5%	\$4	\$3	\$21	9.37%	\$0	\$0	\$3
279	Nov-91	\$12.701	\$2	\$55	4.3%	\$0	50.5%	\$6	\$1	\$23	16.06%	\$0	\$0	\$6	\$0	49.5%	\$6	\$1	\$22	9.37%	\$0	\$0	\$3
280	Dec-91	\$0.728	\$25	\$32	43.7%	\$0	50.5%	\$0	\$12	\$28	16.06%	\$0	\$3	\$4	\$0	49.5%	\$0	\$12	\$27	9.37%	\$0	\$1	\$2
281	Jan-92	\$4.970	\$8	\$28	23.1%	\$0	50.5%	\$3	\$4	\$16	15.61%	\$0	\$1	\$3	\$0	49.5%	\$2	\$4	\$16	9.37%	\$0	\$0	\$2
282	Feb-92	\$5.584	\$5	\$29	14.0%	\$0	50.5%	\$3	\$2	\$14	15.61%	\$0	\$0	\$3	\$0	49.5%	\$3	\$2	\$14	9.37%	\$0	\$0	\$2
283	Mar-92	\$3.136	\$7	\$25	21.0%	\$0	50.5%	\$2	\$3	\$15	15.61%	\$0	\$1	\$2	\$0	49.5%	\$2	\$3	\$14	9.37%	\$0	\$0	\$1
284	Apr-92	\$7.719	\$5	\$28	13.9%	\$0	50.5%	\$4	\$2	\$13	15.61%	\$0	\$0	\$2	\$0	49.5%	\$4	\$2	\$13	9.37%	\$0	\$0	\$1
285	May-92	\$4.323	\$2	\$31	6.2%	\$0	50.5%	\$2	\$1	\$14	15.61%	\$0	\$0	\$2	\$0	49.5%	\$2	\$1	\$14	9.37%	\$0	\$0	\$1
286	Jun-92	\$6.763	\$1	\$36	3.6%	\$0	50.5%	\$3	\$1	\$16	15.61%	\$0	\$0	\$2	\$0	49.5%	\$3	\$1	\$15	9.37%	\$0	\$0	\$1
287	Jul-92	\$5.601	\$6	\$35	15.1%	\$0	50.5%	\$3	\$3	\$18	15.61%	\$0	\$0	\$2	\$0	49.5%	\$3	\$3	\$18	9.37%	\$0	\$0	\$1
288	Aug-92	\$3.490	\$3	\$36	8.6%	\$0	50.5%	\$2	\$2	\$18	15.61%	\$0	\$0	\$2	\$0	49.5%	\$2	\$2	\$18	9.37%	\$0	\$0	\$1
289	Sep-92	\$12.752	\$5	\$44	9.6%	\$0	50.5%	\$6	\$2	\$18	15.61%	\$0	\$0	\$2	\$0	49.5%	\$6	\$2	\$18	9.37%	\$0	\$0	\$1
290	Oct-92	\$6.620	\$7	\$43	14.6%	\$0	50.5%	\$3	\$4	\$22	15.61%	\$0	\$0	\$2	\$0	49.5%	\$3	\$4	\$22	9.37%	\$0	\$0	\$1
291	Nov-92	\$6.430	\$4	\$45	8.5%	\$0	50.5%	\$3	\$2	\$22	15.61%	\$0	\$0	\$2	\$0	49.5%	\$3	\$2	\$21	9.37%	\$0	\$0	\$1
292	Dec-92	\$2.983	\$15	\$33	30.6%	\$0	50.5%	\$2	\$7	\$23	15.61%	\$0	\$1	\$2	\$0	49.5%	\$1	\$7	\$22	9.37%	\$0	\$0	\$1
293	Jan-93	\$1.672	\$6	\$29	18.0%	\$0	50.5%	\$1	\$3	\$17	14.02%	\$0	\$0	\$2	\$0	49.5%	\$1	\$3	\$17	9.29%	\$0	\$0	\$1
294	Feb-93	\$2.740	\$2	\$29	6.8%	\$0	50.5%	\$1	\$1	\$15	14.02%	\$0	\$0	\$2	\$0	49.5%	\$1	\$1	\$14	9.29%	\$0	\$0	\$1
295	Mar-93	\$5.125	\$4	\$31	10.5%	\$0	50.5%	\$3	\$2	\$15	14.02%	\$0	\$0	\$2	\$0	49.5%	\$3	\$2	\$15	9.29%	\$0	\$0	\$1
296	Apr-93	\$5.219	\$5	\$32	12.5%	\$0	50.5%	\$3	\$2	\$16	14.02%	\$0	\$0	\$2	\$0	49.5%	\$3	\$2	\$15	9.29%	\$0	\$0	\$1
297	May-93	\$2.181	\$2	\$31	6.8%	\$0	50.5%	\$1	\$1	\$16	14.02%	\$0	\$0	\$2	\$0	49.5%	\$1	\$1	\$16	9.29%	\$0	\$0	\$1
298	Jun-93	\$4.215	\$6	\$29	17.4%	\$0	50.5%	\$2	\$3	\$16	14.02%	\$0	\$0	\$2	\$0	49.5%	\$2	\$3	\$16	9.29%	\$0	\$0	\$1
299	Jul-93	\$0.821	\$8	\$22	25.8%	\$0	50.5%	\$0	\$4	\$15	14.02%	\$0	\$0	\$1	\$0	49.5%	\$0	\$4	\$15	9.29%	\$0	\$0	\$1
300	Aug-93	\$2.036	\$1	\$24	2.9%	\$0	50.5%	\$1	\$0	\$11	14.02%	\$0	\$0	\$2	\$0	49.5%	\$1	\$0	\$11	9.29%	\$0	\$0	\$1

Calculation of Appropriate AFUDC, 1968-1996
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
		Property Additions	Transfers to Property	Property Balance																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
301	Sep-93	\$1.253	\$3	\$22	13.5%	\$0	50.5%	\$1	\$2	\$12	14.02%	\$0	\$0	\$1	\$0	49.5%	\$1	\$2	\$12	9.29%	\$0	\$0	\$1
302	Oct-93	\$2.629	\$2	\$22	8.6%	\$0	50.5%	\$1	\$1	\$11	14.02%	\$0	\$0	\$1	\$0	49.5%	\$1	\$1	\$11	9.29%	\$0	\$0	\$1
303	Nov-93	\$3.788	\$2	\$24	8.6%	\$0	50.5%	\$2	\$1	\$11	14.02%	\$0	\$0	\$1	\$0	49.5%	\$2	\$1	\$11	9.29%	\$0	\$0	\$1
304	Dec-93	\$6.619	\$6	\$24	21.3%	\$0	50.5%	\$3	\$3	\$12	14.02%	\$0	\$0	\$1	\$0	49.5%	\$3	\$3	\$12	9.29%	\$0	\$0	\$1
305	Jan-94	\$2.594	\$2	\$25	6.3%	\$0	50.5%	\$1	\$1	\$12	14.67%	\$0	\$0	\$1	\$0	49.5%	\$1	\$1	\$12	9.39%	\$0	\$0	\$1
306	Feb-94	\$1.793	\$1	\$26	4.1%	\$0	50.5%	\$1	\$1	\$13	14.67%	\$0	\$0	\$1	\$0	49.5%	\$1	\$1	\$12	9.39%	\$0	\$0	\$1
307	Mar-94	\$4.643	\$1	\$30	2.2%	\$0	50.5%	\$2	\$0	\$13	14.67%	\$0	\$0	\$2	\$0	49.5%	\$2	\$0	\$13	9.39%	\$0	\$0	\$1
308	Apr-94	\$3.777	\$2	\$31	6.8%	\$0	50.5%	\$2	\$1	\$15	14.67%	\$0	\$0	\$2	\$0	49.5%	\$2	\$1	\$15	9.39%	\$0	\$0	\$1
309	May-94	\$5.348	\$3	\$34	6.9%	\$0	50.5%	\$3	\$1	\$16	14.67%	\$0	\$0	\$2	\$0	49.5%	\$3	\$1	\$15	9.39%	\$0	\$0	\$1
310	Jun-94	\$4.342	\$3	\$35	8.2%	\$0	50.5%	\$2	\$2	\$17	14.67%	\$0	\$0	\$2	\$0	49.5%	\$2	\$2	\$17	9.39%	\$0	\$0	\$1
311	Jul-94	\$4.658	\$1	\$38	3.4%	\$0	50.5%	\$2	\$1	\$18	14.67%	\$0	\$0	\$2	\$0	49.5%	\$2	\$1	\$17	9.39%	\$0	\$0	\$1
312	Aug-94	\$4.686	\$1	\$42	1.4%	\$0	50.5%	\$2	\$0	\$19	14.67%	\$0	\$0	\$2	\$0	49.5%	\$2	\$0	\$19	9.39%	\$0	\$0	\$1
313	Sep-94	\$5.679	\$1	\$47	2.8%	\$0	50.5%	\$3	\$1	\$21	14.67%	\$0	\$0	\$2	\$0	49.5%	\$3	\$1	\$21	9.39%	\$0	\$0	\$1
314	Oct-94	\$9.200	\$1	\$55	2.1%	\$0	50.5%	\$5	\$1	\$24	14.67%	\$0	\$0	\$3	\$0	49.5%	\$5	\$1	\$23	9.39%	\$0	\$0	\$2
315	Nov-94	\$1.400	\$0	\$56	0.5%	\$0	50.5%	\$1	\$0	\$28	14.67%	\$0	\$0	\$3	\$0	49.5%	\$1	\$0	\$27	9.39%	\$0	\$0	\$2
316	Dec-94	\$5.489	\$31	\$31	49.9%	\$0	50.5%	\$3	\$15	\$28	14.67%	\$0	\$1	\$2	\$0	49.5%	\$3	\$15	\$28	9.39%	\$0	\$1	\$1
317	Jan-95	\$3.277	\$7	\$27	20.6%	\$0	50.5%	\$2	\$4	\$16	14.74%	\$0	\$0	\$2	\$0	49.5%	\$2	\$3	\$15	9.35%	\$0	\$0	\$1
318	Feb-95	\$5.161	\$1	\$31	2.8%	\$0	50.5%	\$3	\$0	\$14	14.74%	\$0	\$0	\$2	\$0	49.5%	\$3	\$0	\$13	9.35%	\$0	\$0	\$1
319	Mar-95	\$3.819	\$0	\$35	0.2%	\$0	50.5%	\$2	\$0	\$16	14.74%	\$0	\$0	\$2	\$0	49.5%	\$2	\$0	\$15	9.35%	\$0	\$0	\$1
320	Apr-95	\$5.248	\$0	\$40	0.6%	\$0	50.5%	\$3	\$0	\$18	14.74%	\$0	\$0	\$2	\$0	49.5%	\$3	\$0	\$17	9.35%	\$0	\$0	\$1
321	May-95	\$2.680	\$0	\$43	0.1%	\$0	50.5%	\$1	\$0	\$20	14.74%	\$0	\$0	\$2	\$0	49.5%	\$1	\$0	\$20	9.35%	\$0	\$0	\$1
322	Jun-95	\$3.501	\$5	\$41	10.3%	\$0	50.5%	\$2	\$2	\$22	14.74%	\$0	\$0	\$2	\$0	49.5%	\$2	\$2	\$21	9.35%	\$0	\$0	\$2
323	Jul-95	\$4.151	\$0	\$45	0.8%	\$0	50.5%	\$2	\$0	\$21	14.74%	\$0	\$0	\$3	\$0	49.5%	\$2	\$0	\$20	9.35%	\$0	\$0	\$2
324	Aug-95	\$5.192	\$1	\$50	1.3%	\$0	50.5%	\$3	\$0	\$23	14.74%	\$0	\$0	\$3	\$0	49.5%	\$3	\$0	\$22	9.35%	\$0	\$0	\$2
325	Sep-95	\$4.286	\$0	\$54	0.2%	\$0	50.5%	\$2	\$0	\$25	14.74%	\$0	\$0	\$3	\$0	49.5%	\$2	\$0	\$25	9.35%	\$0	\$0	\$2
326	Oct-95	\$5.294	\$3	\$57	4.5%	\$0	50.5%	\$3	\$1	\$27	14.74%	\$0	\$0	\$3	\$0	49.5%	\$3	\$1	\$27	9.35%	\$0	\$0	\$2
327	Nov-95	\$3.944	\$1	\$59	2.4%	\$0	50.5%	\$2	\$1	\$29	14.74%	\$0	\$0	\$4	\$0	49.5%	\$2	\$1	\$28	9.35%	\$0	\$0	\$2
328	Dec-95	\$12.330	\$21	\$51	28.9%	\$0	50.5%	\$6	\$10	\$30	14.74%	\$0	\$1	\$3	\$0	49.5%	\$6	\$10	\$29	9.35%	\$0	\$1	\$2
329	Jan-96	\$5.440	\$10	\$46	17.8%	\$0	50.5%	\$3	\$5	\$26	14.28%	\$0	\$1	\$3	\$0	49.5%	\$3	\$5	\$25	9.19%	\$0	\$0	\$2
330	Feb-96	\$3.309	\$0	\$49	0.7%	\$0	50.5%	\$2	\$0	\$23	14.28%	\$0	\$0	\$3	\$0	49.5%	\$2	\$0	\$23	9.19%	\$0	\$0	\$2
331	Mar-96	\$4.470	\$0	\$53	0.4%	\$0	50.5%	\$2	\$0	\$25	14.28%	\$0	\$0	\$3	\$0	49.5%	\$2	\$0	\$24	9.19%	\$0	\$0	\$2
332	Apr-96	\$3.284	\$1	\$56	1.3%	\$0	50.5%	\$2	\$0	\$27	14.28%	\$0	\$0	\$4	\$0	49.5%	\$2	\$0	\$26	9.19%	\$0	\$0	\$2
333	May-96	\$3.996	\$2	\$57	4.1%	\$0	50.5%	\$2	\$1	\$28	14.28%	\$0	\$0	\$4	\$0	49.5%	\$2	\$1	\$28	9.19%	\$0	\$0	\$2
334	Jun-96	\$7.992	\$3	\$62	4.6%	\$0	50.5%	\$4	\$2	\$29	14.28%	\$0	\$0	\$4	\$0	49.5%	\$4	\$1	\$28	9.19%	\$0	\$0	\$2
335	Jul-96	(\$2.752)	\$0	\$60	0.1%	\$0	50.5%	(\$1)	\$0	\$32	14.28%	\$0	\$0	\$4	\$0	49.5%	(\$1)	\$0	\$31	9.19%	\$0	\$0	\$3
336	Aug-96	\$5.579	\$0	\$65	0.3%	\$0	50.5%	\$3	\$0	\$30	14.28%	\$0	\$0	\$5	\$0	49.5%	\$3	\$0	\$30	9.19%	\$0	\$0	\$3
337	Sep-96	\$7.101	\$1	\$71	1.7%	\$0	50.5%	\$4	\$1	\$33	14.28%	\$0	\$0	\$5	\$0	49.5%	\$4	\$1	\$32	9.19%	\$0	\$0	\$3
338	Oct-96	\$4.709	\$0	\$75	0.6%	\$0	50.5%	\$2	\$0	\$36	14.28%	\$0	\$0	\$5	\$0	49.5%	\$2	\$0	\$35	9.19%	\$0	\$0	\$3
339	Nov-96	\$4.724	\$0	\$80	0.0%	\$0	50.5%	\$2	\$0	\$38	14.28%	\$0	\$0	\$6	\$0	49.5%	\$2	\$0	\$37	9.19%	\$0	\$0	\$4
340	Dec-96	\$5.164	\$11	\$74	13.0%	\$0	50.5%	\$3	\$6	\$40	14.28%	\$0	\$1	\$6	\$0	49.5%	\$3	\$5	\$40	9.19%	\$0	\$0	\$3

SOURCE:

Column 1 Time in months
Column 2 Exhibit 143-RGV-C, TAPS-RGV WP3, Schedule 3
Column 3 Exhibit 143-RGV-C, TAPS-RGV WP3, Schedule 3
Column 4 Exhibit 143-RGV-C, TAPS-RGV WP3, Schedule 3
Column 5 Exhibit 143-RGV-C, TAPS-RGV WP3, Schedule 3
Column 6 Sum (prior six months Col 12) - sumproduct(prior six months Col 12 * prior six months Col 5) [A]
Column 7 Exhibit 11, col d
Column 8 Col 2 * Col 7

Calculation of Appropriate AFUDC, 1968-1996
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
		Property Additions	Transfers to Property	Property Balance																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Column 9		(cum Col 8 - cum prior Col 9 + cum Col 6) * Col 5																					
Column 10		prior (Col 8 - Col 9 + Col 10) + Col 6																					
Column 11		Exhibit 20, col b																					
Column 12		(Col 10 * Col 11)/12																					
Column 13		prior Col 14 * Col 5 + [B]																					
Column 14		prior Col 14 + Col 12 - Col 13																					
Column 15		Sum (prior six months Col 21) - sumproduct(prior six months Col 21 * prior six months Col 5) [A]																					
Column 16		1.0 - Col 7																					
Column 17		Col 2 * Col 16																					
Column 18		(cum Col 17 - cum prior Col 18 + cum Col 15) * Col 5																					
Column 19		prior (Col 17 - Col 18 + Col 19) + Col 15																					
Column 20		Exhibit 15, Schedule 3, col i																					
Column 21		(Col 19 * Col 20) / 12																					
Column 22		prior Col 23 * Col 5 + [C]																					
Column 23		prior Col 23 + Col 21 - Col 22																					

[A] for the months January and July prior to June of 1977, otherwise equal to 0

[B] if Col 5 = 100%, +Col 12, otherwise 0

[C] if Col 5 = 100%, +Col 19, otherwise 0

Appropriate Depreciation and Accumulated Depreciation, 1977-1996
(millions \$)

Line No.	Description	Source	1977	1978	1979	1980	1981	1982
1	TSM-6/Baden Depreciation 77-83; TSM Depreciation 84-96	(30-BWF-E, 235-JFB-T); (31-BWF-E)	108.493	453.437	549.208	626.832	602.059	611.310
2	Amortization of Excluded Costs	31-BWF-E, Ln. 119		47.407	55.891	66.134	65.989	70.407
3	Appropriate Annual Depreciation	Line 1 + Line 2	108.493	500.844	605.099	692.966	668.048	681.717
4	Adjustments to Accumulated Depreciation	FERC Form 6, from 143-RGV-C	0.000	0.000	0.557	0.071	1.010	0.000
5	Adjusted Retirements from Accumulated Depreciation	Exhibit 23, Ln. 8	0.000	(6.985)	(10.932)	(51.829)	(2.496)	(13.606)
6	Accumulated Depreciation	Lns (3 + 4 + 5) + Prior Ln. 6	108.493	602.352	1197.077	1838.285	2504.847	3172.958

Appropriate Depreciation and Accumulated Depreciation, 1977-1996
(millions \$)

Line No.	Description	Source	1983	1984	1985	1986	1987	1988
1	TSM-6/Baden Depreciation 77-83; TSM Depreciation 84-96	(30-BWF-E, 235-JFB-T); (31-BWF-E)	589.012	569.053	542.938	514.506	503.605	458.916
2	Amortization of Excluded Costs	31-BWF-E, Ln. 119	71.471	72.701				
3	Appropriate Annual Depreciation	Line 1 + Line 2	660.483	641.754	542.938	514.506	503.605	458.916
4	Adjustments to Accumulated Depreciation	FERC Form 6, from 143-RGV-C	0.000	0.075	0.000	0.000	0.000	0.000
5	Adjusted Retirements from Accumulated Depreciation	Exhibit 23, Ln. 8	(22.444)	(11.508)	(13.782)	(2.969)	(16.646)	(12.973)
6	Accumulated Depreciation	Lns (3 + 4 + 5) + Prior Ln. 6	3810.997	4441.318	4970.473	5482.011	5968.970	6414.913

Appropriate Depreciation and Accumulated Depreciation, 1977-1996
(millions \$)

Line No.	Description	Source	1989	1990	1991	1992	1993	1994
1	TSM-6/Baden Depreciation 77-83; TSM Depreciation 84-96	(30-BWF-E, 235-JFB-T); (31-BWF-E)	395.419	335.514	295.711	285.871	237.084	195.984
2	Amortization of Excluded Costs	31-BWF-E, Ln. 119						
3	Appropriate Annual Depreciation	Line 1 + Line 2	395.419	335.514	295.711	285.871	237.084	195.984
4	Adjustments to Accumulated Depreciation	FERC Form 6, from 143-RGV-C	0.000	(0.004)	0.000	0.000	0.000	0.000
5	Adjusted Retirements from Accumulated Depreciation	Exhibit 23, Ln. 8	(4.723)	(4.342)	(57.358)	(15.635)	(10.901)	(10.166)
6	Accumulated Depreciation	Lns (3 + 4 + 5) + Prior Ln. 6	6805.609	7136.777	7375.129	7645.366	7871.548	8057.367

Appropriate Depreciation and Accumulated Depreciation, 1977-1996
(millions \$)

Line No.	Description	Source	1995	1996
1	TSM-6/Baden Depreciation 77-83; TSM Depreciation 84-96	(30-BWF-E, 235-JFB-T); (31-BWF-E)	165.315	126.791
2	Amortization of Excluded Costs	31-BWF-E, Ln. 119		
3	Appropriate Annual Depreciation	Line 1 + Line 2	165.315	126.791
4	Adjustments to Accumulated Depreciation	FERC Form 6, from 143-RGV-C	(0.298)	19.148
5	Adjusted Retirements from Accumulated Depreciation	Exhibit 23, Ln. 8	(2.642)	(114.107)
6	Accumulated Depreciation	Lns (3 + 4 + 5) + Prior Ln. 6	8219.741	8251.573

Explanatory Note to Exhibit 23

The more rapid depreciation schedule that we adopt needs to be imposed on property that has a shorter life than 34.5 years (the stipulated life of the TAPS). We do this with different degrees of precision for retirements that occurred in the periods 1977-1985 and 1986-1996. For the first period, the Carriers' annual reports do not contain information regarding the vintages of the property retired. Accordingly, we treat retirements in any given year in the aggregate. For the second period, where the Supplemental pages do indeed provide vintage information on retirements, the accelerated depreciation profile that we adopt here is separately imposed on each vintage of retirement for each year.

Several steps are needed to impose the same depreciation profile, implicit in our finding regarding TSM depreciation, on assets that are shorter-lived than 34.5 years. First, we "normalize" the year that the composite asset is retired to reflect a 34.5 year service life. In effect, we determine the year that the asset would have been retired *if* the amount of FERC Form 6 retirements from accumulated depreciation were realized at that date, but assuming that the asset had gone into service in 1977, and that it had a 34.5 year life. Accordingly, we take the ratio of FERC data on retirements to accumulated depreciation to FERC total retirements, multiply the result by 34 years, and add this figure to 1977. If the result is greater than 2011 (the stipulated life of TAPS), we assume the property was expected to be fully depreciated by 2011. This is accomplished by lines 1-4 of Schedule 1 (for retirements that occur during 1977-1985) and columns a-d of the Yearly Schedules (for retirements that occur during 1986-1996).

Second, we assess how much the asset retired in the normalized year would have been depreciated given our finding regarding TSM depreciation. We first determine the amortization factors based on TSM depreciation charges for 1977-2000. For 2001-2011, because we do not have TSM depreciation charges upon which to rely, we adopt TSM's depreciation factors, as they are reasonably close to the ones that we derive. Using these yearly depreciation factors, we then determine the amount of depreciation that would have cumulatively been realized by a given date. This is accomplished on line 5-6 of Schedule 1 (for retirements during 1977-1985) and column (e) of the Yearly Schedules (for retirements that occur during 1986-1996). The depreciation factor of line 5 is derived in Schedule 2.

Finally, lines 7-8 (or column (f), respectively) determine the "adjusted" retirements from accumulated depreciation. They take the amount of depreciation that would have accumulated (line 7, column (e)) in the normalized year of retirement (line 4, column (d)) and apply it to the amount of FERC-recorded retirements from accumulated depreciation (line 2, column (a)).

We note that for 1996 Retirements from Carrier Property include \$730,000,¹ in retirements from Construction Work in Progress (CWIP), out of total retirement amounts of \$115,568,000. Because there can be no depreciation from Carrier property that has not yet been placed in service, we adjust accumulated depreciation amounts to reflect retirements only of depreciable property.

We note further that adjusting retirements for 1996 is complicated because Mobil shows a charge to Carrier property of \$89,910,000 due to a "Net 1% Sale",² which it includes in its retirements figure. Mobil records \$51,761,000 in charges to accumulated depreciation that corresponds to this sale. The company does not, however, indicate the vintages of property sold. Therefore, rather than decomposing charges to accumulated depreciation due to retirements into its components, we apply the adjustment as if the sold property were a single composite item.

¹ Mobil Alaska Pipeline Company's Annual Report, Supplemental page 2.

² Annual Report, Supplemental page 9.

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

Line No.	Description	Source	1977	1978	1979	1980	1981	1982	1983
1	Property Account - Grand Total - Credits for Retirements of Depreciable Property 1/	Exhibit 8, Ln. 5	(\$29.49)	(\$7.02)	(\$11.88)	(\$164.56)	(\$2.24)	(\$11.51)	(\$24.38)
2	Depreciation Account - Grand Total - Retirements	FERC Form 6 - From 143-RGV-C	0.00	(5.36)	(5.22)	(16.94)	(2.50)	(13.61)	(10.91)
3	Ratio of Depreciation to Property Retirements (Retirements Factor)	Ln. 2/Ln. 1	0.00%	76.41%	43.95%	10.29%	111.68%	118.25%	44.74%
4	Year of Asset Retirement, normalized to 34.5-year horizon, nearest year	Lesser of [(Ln. 3 * 34) + 1977], 2011	1977	2003	1992	1981	2011	2011	1992
5	Cumulative Undepreciated Property Factor to date	Schedule 2, Ln. 10	98.6196%	92.3869%	84.9366%	76.5400%	68.5036%	60.3545%	52.5512%
6	Cumulative Depreciation Factor to date	1 - Ln. 5	1.3804%	7.6131%	15.0634%	23.4600%	31.4964%	39.6455%	47.4488%
7	Depreciation Account - Adjusted Retirements Factor	Ln. 6 corresponding to Ln. 4, Read from Year	0.00%	99.54%	92.05%	31.50%	100.00%	100.00%	92.05%
8	Depreciation Account - Adjusted Retirements	For 1977-1985: If Ln. 1 > Ln. 2, Ln.2, else Ln. 7 * Ln. 1; else year's Schedule	0.00	(6.98)	(10.93)	(51.83)	(2.50)	(13.61)	(22.44)

1/ Data in 1996 adjusted from Exhibit 8 to reflect retirements from CWIP

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

Line No.	Description	Source	1984	1985	1986	1987	1988	1989	1990
1	Property Account - Grand Total - Credits for Retirements of Depreciable Property 1/	Exhibit 8, Ln. 5	(\$12.50)	(\$13.79)	(\$2.97)	(\$16.48)	(\$12.98)	(\$5.35)	(\$4.40)
2	Depreciation Account - Grand Total - Retirements	FERC Form 6 - From 143-RGV-C	(5.37)	(13.18)	(2.88)	(16.54)	(12.73)	(3.94)	(3.40)
3	Ratio of Depreciation to Property Retirements (Retirements Factor)	Ln. 2/Ln. 1	42.91%	95.58%					
4	Year of Asset Retirement, normalized to 34.5-year horizon, nearest year	Lesser of [(Ln. 3 * 34) + 1977], 2011	1992	2010					
5	Cumulative Undepreciated Property Factor to date	Schedule 2, Ln. 10	45.0251%	38.6831%	32.7040%	26.8846%	21.5748%	17.0754%	13.4422%
6	Cumulative Depreciation Factor to date	1 - Ln. 5	54.9749%	61.3169%	67.2960%	73.1154%	78.4252%	82.9246%	86.5578%
7	Depreciation Account - Adjusted Retirements Factor	Ln. 6 corresponding to Ln. 4, Read from Year	92.05%	99.97%					
8	Depreciation Account - Adjusted Retirements	For 1977-1985: If Ln. 1 > Ln. 2, Ln.2, else Ln. 7 * Ln. 1; else year's Schedule	(11.51)	(13.78)	(2.97)	(16.65)	(12.97)	(4.72)	(3.52)

1/ Data in 1996 adjusted from Exhibit 8 to reflect retirements from CWIP

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

Line No.	Description	Source	1991	1992	1993	1994	1995	1996
1	Property Account - Grand Total - Credits for Retirements of Depreciable Property 1/	Exhibit 8, Ln. 5	(\$52.93)	(\$15.65)	(\$10.98)	(\$10.32)	(\$3.37)	(\$114.83)
2	Depreciation Account - Grand Total - Retirements	FERC Form 6 - From 143-RGV-C	(57.08)	(13.87)	(8.85)	(7.58)	(2.35)	(89.33)
3	Ratio of Depreciation to Property Retirements (Retirements Factor)	Ln. 2/Ln. 1						
4	Year of Asset Retirement, normalized to 34.5-year horizon, nearest year	Lesser of [(Ln. 3 * 34) + 1977], 2011						
5	Cumulative Undepreciated Property Factor to date	Schedule 2, Ln. 10	10.5850%	7.9521%	5.8531%	4.2007%	2.8921%	1.8967%
6	Cumulative Depreciation Factor to date	1 - Ln. 5	89.4150%	92.0479%	94.1469%	95.7993%	97.1079%	98.1033%
7	Depreciation Account - Adjusted Retirements Factor	Ln. 6 corresponding to Ln. 4, Read from Year						
8	Depreciation Account - Adjusted Retirements	For 1977-1985: If Ln. 1 > Ln. 2, Ln.2, else Ln. 7 * Ln. 1; else year's Schedule	(57.92)	(15.52)	(10.77)	(10.10)	(2.64)	(114.11)

1/ Data in 1996 adjusted from Exhibit 8 to reflect retirements from CWIP

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

Line No.	Description	Source	1977	1978	1979	1980	1981	1982	1983	1984
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)	\$9,075.01	\$9,248.94	\$9,328.41	\$9,439.73	\$9,485.10	\$9,521.27	\$9,580.77	\$9,613.04
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10	\$1,215.57	\$1,215.57	\$1,215.57	\$1,215.57	\$1,215.11	\$1,215.11	\$1,215.11	\$1,214.31
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2	\$7,859.44	\$8,033.37	\$8,112.84	\$8,224.16	\$8,269.99	\$8,306.16	\$8,365.66	\$8,398.73
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1	\$108	\$501	\$605	\$693	\$668	\$682	\$660	\$642
5	Gross Accumulated Depreciation	Cumulative sum, Ln. 4	\$108	\$609	\$1,214	\$1,907	\$2,575	\$3,257	\$3,918	\$4,559
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); after, 31-BWF-E, Ln. 14	1.38%	6.32%	8.06%	9.89%	10.50%	11.90%	12.93%	14.32%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	98.62%	92.39%	84.94%	76.54%	68.50%	60.35%	52.55%	45.03%

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

Line No.	Description	Source	1985	1986	1987	1988	1989	1990	1991	1992
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)	\$9,628.07	\$9,645.07	\$9,660.89	\$9,657.85	\$9,689.22	\$9,765.45	\$9,915.04	\$9,968.82
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10	\$1,214.06	\$1,214.01	\$1,213.86	\$1,213.81	\$1,213.80	\$1,213.80	\$1,213.55	\$1,213.52
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2	\$8,414.01	\$8,431.06	\$8,447.03	\$8,444.04	\$8,475.41	\$8,551.66	\$8,701.49	\$8,755.30
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1	\$543	\$515	\$504	\$459	\$395	\$336	\$296	\$286
5	Gross Accumulated Depreciation	Cumulative sum, Ln. 4	\$5,102	\$5,617	\$6,120	\$6,579	\$6,975	\$7,310	\$7,606	\$7,892
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); after, 31-BWF-E, Ln. 14	14.09%	15.46%	17.79%	19.75%	20.85%	21.28%	21.26%	24.87%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	38.68%	32.70%	26.88%	21.57%	17.08%	13.44%	10.58%	7.95%

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

Line No.	Description	Source	1993	1994	1995	1996	1997	1998	1999
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)	\$10,003.62	\$10,036.68	\$10,069.13	\$10,063.31	\$10,165.66	\$10,180.24	\$10,223.96
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10	\$1,213.52	\$1,213.51	\$1,213.50	\$1,204.65	\$1,204.64	\$1,204.64	\$1,204.64
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2	\$8,790.11	\$8,823.18	\$8,855.63	\$8,858.66	\$8,961.02	\$8,975.60	\$9,019.33
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1	\$237	\$196	\$165	\$127	\$82	\$50	\$49
5	Gross Accumulated Depreciation	Cumulative sum, Ln. 4	\$8,129	\$8,325	\$8,490	\$8,617	\$8,699	\$8,748	\$8,797
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); after, 31-BWF-E, Ln. 14	26.39%	28.23%	31.15%	34.42%	23.70%	17.87%	17.92%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	5.85%	4.20%	2.89%	1.90%	1.45%	1.19%	0.98%

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

Line No.	Description	Source	2000	2001	2002	2003	2004	2005	2006
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)	\$10,280.94						
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10	\$1,204.64						
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2	\$9,076.31						
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1	\$56						
5	Gross Accumulated Depreciation	Cumulative sum, Ln. 4	\$8,853						
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); after, 31-BWF-E, Ln. 14	20.19%	14.7448%	16.1863%	17.0635%	18.8198%	21.4145%	25.2500%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	0.78%	0.66%	0.56%	0.46%	0.37%	0.29%	0.22%

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

Line No.	Description	Source	2007	2008	2009	2010	2011
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)					
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10					
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2					
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1					
5	Gross Accumulated Depreciation	Cumulative sum, ln. 4					
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); after, 31-BWF-E, Ln. 14	29.0970%	35.3774%	42.3358%	54.4304%	100.0000%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	0.16%	0.10%	0.06%	0.03%	0.00%

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrges to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	2,046	1,998	97.65%	2010	0.03%	2045.458
1978	58	48	82.76%	2005	0.29%	57.829
1979	77	74	96.10%	2010	0.03%	76.980
1980	72	63	87.50%	2007	0.16%	71.888
1981	586	575	98.12%	2010	0.03%	585.845
1982	92	87	94.57%	2009	0.06%	91.947
1983	36	31	86.11%	2006	0.22%	35.921
1984						
1985	3	3	100.00%	2011	0.00%	3.000
1986						
1987						
1988						
1989						
1990						
1991						
1992						
1993						
1994						
1995						
1996						
1997						
1998						
1999						
2000						
Total	2,970	2,879				2,969

Weighted Average Vintage 1978

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrages to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	12,367	12,538	100.00%	2011	0.00%	12538.000
1978	2,770	2,769	99.96%	2011	0.00%	2770.000
1979	44	38	86.36%	2006	0.22%	43.903
1980	184	153	83.15%	2005	0.29%	183.458
1981	343	308	89.80%	2008	0.10%	342.654
1982	556	541	97.30%	2010	0.03%	555.853
1983	151	135	89.40%	2007	0.16%	150.764
1984	37	32	86.49%	2006	0.22%	36.919
1985	20	17	85.00%	2006	0.22%	19.956
1986	4	4	100.00%	2011	0.00%	4.000
1987						
1988						
1989						
1990						
1991						
1992						
1993						
1994						
1995						
1996						
1997						
1998						
1999						
2000						
Total	16,476	16,535				16,646

Weighted Average Vintage 1978

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrages to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	10,449	10,361	99.16%	2011	0.00%	10449.000
1978	136	107	78.68%	2004	0.37%	135.491
1979	15	14	93.33%	2009	0.06%	14.991
1980	138	111	80.43%	2004	0.37%	137.483
1981	1,892	1,843	97.41%	2010	0.03%	1891.499
1982	189	169	89.42%	2007	0.16%	188.705
1983	104	88	84.62%	2006	0.22%	103.771
1984	16	12	75.00%	2003	0.46%	15.926
1985	17	11	64.71%	1999	0.98%	16.834
1986	16	5	31.25%	1988	21.57%	12.548
1987	7	7	100.00%	2011	0.00%	7.000
1988						
1989						
1990						
1991						
1992						
1993						
1994						
1995						
1996						
1997						
1998						
1999						
2000						
Total	12,979	12,728				12,973

Weighted Average Vintage 1978

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrges to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	2,392	2,986	100.00%	2011	0.00%	2986.000
1978	33	40	100.00%	2011	0.00%	40.000
1979	129	82	63.57%	1999	0.98%	127.742
1980	104	79	75.96%	2003	0.46%	103.520
1981	1,080	234	21.67%	1984	45.03%	593.729
1982	244	212	86.89%	2007	0.16%	243.619
1983	1,217	190	15.61%	1982	60.35%	482.486
1984	47	42	89.36%	2007	0.16%	46.927
1985	56	33	58.93%	1997	1.45%	55.190
1986	24	24	100.00%	2011	0.00%	24.000
1987	3	3	100.00%	2011	0.00%	3.000
1988	17	11	64.71%	1999	0.98%	16.834
1989						
1990						
1991						
1992						
1993						
1994						
1995						
1996						
1997						
1998						
1999						
2000						
Total	5,346	3,936				4,723

Weighted Average Vintage 1980

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrages to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	2,075	2,172	100.00%	2011	0.00%	2172.000
1978	349	349	100.00%	2011	0.00%	349.000
1979	4	4	100.00%	2011	0.00%	4.000
1980	26	26	100.00%	2011	0.00%	26.000
1981	97	94	96.91%	2010	0.03%	96.974
1982	267	256	95.88%	2010	0.03%	266.929
1983	1,155	81	7.01%	1979	84.94%	173.982
1984	356	355	99.72%	2011	0.00%	356.000
1985	12	12	100.00%	2011	0.00%	12.000
1986	24	24	100.00%	2011	0.00%	24.000
1987	5	5	100.00%	2011	0.00%	5.000
1988	27	20	74.07%	2002	0.56%	26.850
1989	5	2	40.00%	1991	10.58%	4.471
1990						
1991						
1992						
1993						
1994						
1995						
1996						
1997						
1998						
1999						
2000						
Total	4,402	3,400				3,517

Weighted Average Vintage 1980

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrages to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	48,856	54,246	100.00%	2011	0.00%	54246.000
1978	32	29	90.63%	2008	0.10%	31.968
1979	18	12	66.67%	2000	0.78%	17.860
1980	773	756	97.80%	2010	0.03%	772.795
1981	61	37	60.66%	1998	1.19%	60.275
1982	489	439	89.78%	2008	0.10%	488.507
1983	1,047	541	51.67%	1995	2.89%	1016.719
1984	662	634	95.77%	2010	0.03%	661.825
1985	194	171	88.14%	2007	0.16%	193.697
1986	49	44	89.80%	2008	0.10%	48.951
1987	14	14	100.00%	2011	0.00%	14.000
1988	57	41	71.93%	2001	0.66%	56.622
1989	538	88	16.36%	1983	52.55%	255.275
1990	123	13	10.57%	1981	68.50%	38.741
1991	16	16	100.00%	2011	0.00%	16.000
1992						
1993						
1994						
1995						
1996						
1997						
1998						
1999						
2000						
Total	52,929	57,081				57,919

Weighted Average Vintage 1978

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrges to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1976	1	1	100.00%	2011	0.00%	1.000
1977	8,205	8,161	99.46%	2011	0.00%	8205.000
1978	58	36	62.07%	1998	1.19%	57.311
1979	215	193	89.77%	2008	0.10%	214.783
1980	332	274	82.53%	2005	0.29%	331.023
1981	458	440	96.07%	2010	0.03%	457.879
1982	1,077	1,024	95.08%	2009	0.06%	1076.374
1983	1,746	801	45.88%	1993	5.85%	1643.804
1984	929	872	93.86%	2009	0.06%	928.460
1985	522	447	85.63%	2006	0.22%	520.851
1986	482	397	82.37%	2005	0.29%	480.581
1987	529	514	97.16%	2010	0.03%	528.860
1988	204	204	100.00%	2011	0.00%	204.000
1989	103	81	78.64%	2004	0.37%	102.614
1990	669	365	54.56%	1996	1.90%	656.311
1991	109	55	50.46%	1994	4.20%	104.421
1992	8	8	100.00%	2011	0.00%	8.000
1993						
1994						
1995						
1996						
1997						
1998						
1999						
2000						
Total	15,646	13,872				15,520
Weighted Average Vintage		1980				

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrges to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1975	2	2	100.00%	2011	0.00%	2.000
1976						
1977	1,507	1,328	88.12%	2007	0.16%	1504.649
1978	439	447	100.00%	2011	0.00%	447.000
1979	355	370	100.00%	2011	0.00%	370.000
1980	211	141	66.82%	2000	0.78%	209.357
1981	681	645	94.71%	2009	0.06%	680.604
1982	2,133	2,009	94.19%	2009	0.06%	2131.760
1983	1,417	777	54.83%	1996	1.90%	1390.123
1984	309	260	84.14%	2006	0.22%	308.320
1985	241	230	95.44%	2009	0.06%	240.860
1986	363	310	85.40%	2006	0.22%	362.201
1987	655	579	88.40%	2007	0.16%	653.978
1988	997	820	82.25%	2005	0.29%	994.065
1989	276	190	68.84%	2000	0.78%	273.851
1990	558	414	74.19%	2002	0.56%	554.896
1991	98	97	98.98%	2011	0.00%	98.000
1992	196	86	43.88%	1992	7.95%	180.414
1993	545	145	26.61%	1986	32.70%	366.763
1994						
1995						
1996						
1997						
1998						
1999						
2000						
Total	10,981	8,848				10,767
Weighted Average Vintage		1984				

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrages to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	2,514	2,488	98.97%	2011	0.00%	2514.000
1978	206	191	92.72%	2009	0.06%	205.880
1979	5	3	60.00%	1997	1.45%	4.928
1980	134	120	89.55%	2007	0.16%	133.791
1981	614	535	87.13%	2007	0.16%	613.042
1982	1,608	1,249	77.67%	2003	0.46%	1600.581
1983	3,388	1,613	47.61%	1993	5.85%	3189.696
1984	585	501	85.64%	2006	0.22%	583.713
1985	20	15	75.00%	2003	0.46%	19.908
1986	112	87	77.68%	2003	0.46%	111.483
1987	114	81	71.05%	2001	0.66%	113.243
1988	158	113	71.52%	2001	0.66%	156.951
1989	358	204	56.98%	1996	1.90%	351.210
1990	149	133	89.26%	2007	0.16%	148.768
1991	200	137	68.50%	2000	0.78%	198.443
1992	139	99	71.22%	2001	0.66%	138.077
1993	18	8	44.44%	1992	7.95%	16.569
1994						
1995						
1996						
1997						
1998						
1999						
2000						
Total	10,322	7,577				10,100

Weighted Average Vintage 1982

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrages to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	116	123	100.00%	2011	0.00%	123.000
1978	81	62	76.54%	2003	0.46%	80.626
1979						
1980	37	33	89.19%	2007	0.16%	36.942
1981	291	233	80.07%	2004	0.37%	289.910
1982	528	480	90.91%	2008	0.10%	527.468
1983	858	54	6.29%	1979	84.94%	129.244
1984	138	129	93.48%	2009	0.06%	137.920
1985	40	41	100.00%	2011	0.00%	41.000
1986	27	27	100.00%	2011	0.00%	27.000
1987	52	52	100.00%	2011	0.00%	52.000
1988	34	27	79.41%	2004	0.37%	33.873
1989	342	329	96.20%	2010	0.03%	341.909
1990	541	519	95.93%	2010	0.03%	540.857
1991	135	120	88.89%	2007	0.16%	134.789
1992	20	20	100.00%	2011	0.00%	20.000
1993	116	95	81.90%	2005	0.29%	115.659
1994	10	7	70.00%	2001	0.66%	9.934
1995						
1996						
1997						
1998						
1999						
2000						
Total	3,366	2,351				2,642

Weighted Average Vintage 1985

Appropriate Retirements from Accumulated Depreciaton, 1977-1996
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrges to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if b>a, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	2,146	1,244	57.97%	1997	1.45%	2114.942
1978	79	80	100.00%	2011	0.00%	80.000
1979	184	64	34.78%	1989	17.08%	152.581
1980	17	-3	N/A	N/A	100.00%	-3.000
1981	1,565	1,186	75.78%	2003	0.46%	1557.779
1982	4,380	3,342	76.30%	2003	0.46%	4359.790
1983	3,366	2,503	74.36%	2002	0.56%	3347.273
1984	1,477	879	59.51%	1997	1.45%	1455.624
1985	58	44	75.86%	2003	0.46%	57.732
1986	307	158	51.47%	1994	4.20%	294.104
1987	382	342	89.53%	2007	0.16%	381.404
1988	776	565	72.81%	2002	0.56%	771.683
1989	731	205	28.04%	1987	26.88%	534.473
1990	7,252	6,296	86.82%	2007	0.16%	7240.686
1991	1,385	1,020	73.65%	2002	0.56%	1377.295
1992	524	389	74.24%	2002	0.56%	521.085
1993	280	170	60.71%	1998	1.19%	276.672
1994	13	14	100.00%	2011	0.00%	14.000
1995						
1996						
1997						
1998						
1999						
2000						
Sub Total	24,922	18,498				24,534

Weighted Average Vintage 1985

1% Net Sale	89,910	70,831	78.78%	2004	0.37%	89,573.220
Total	114,832	89,329				114,107

Appropriate Factors for Amortization of AFUDC, 1977-1996
(Percenrages)

Line No.	Description		1977	1978	1979	1980	1981	1982	1983	1984
1	Grand Total, Carrier Property - EOY (millions)	Exhibit 8, Ln. 9	\$9,133	\$9,289	\$9,373	\$9,486	\$9,531	\$9,572	\$9,613	\$9,634
2	Land - EOY (millions)	Exhibit 8, Ln. 7	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17
3	CWIP - EOY (millions)	Exhibit 8, Ln. 8	\$42	\$24	\$28	\$29	\$29	\$33	\$15	\$4
4	Capitalized Interest - EOY (millions)	Exhibit 8, Ln. 10	\$1,216	\$1,216	\$1,216	\$1,216	\$1,215	\$1,215	\$1,215	\$1,214
5	Gross Depreciable Property, Less IDC, EOY (millions)	Ln 1 - Lns(2 + 3 + 4)	\$7,859	\$8,033	\$8,113	\$8,224	\$8,270	\$8,306	\$8,366	\$8,399
6	Appropriate Depreciation Expense (millions)	Exhibit 22, Ln. 3	\$108	\$501	\$605	\$693	\$668	\$682	\$660	\$642
7	Accumulated P-97-4 Depreciation (millions)	Exhibit 22, Ln. 6	\$108	\$602	\$1,197	\$1,838	\$2,505	\$3,173	\$3,811	\$4,441
8	Amortization Rate - Net Basis	Ln 6 / Lns (5 + 6 - 7)	1.38%	6.31%	8.05%	9.79%	10.38%	11.72%	12.66%	13.95%

Appropriate Factors for Amortization of AFUDC, 1977-1996
(Percenrages)

Line No.	Description		1985	1986	1987	1988	1989	1990	1991	1992
1	Grand Total, Carrier Property - EOY (millions)	Exhibit 8, Ln. 9	\$9,646	\$9,665	\$9,680	\$9,684	\$9,726	\$9,878	\$9,965	\$10,020
2	Land - EOY (millions)	Exhibit 8, Ln. 7	\$17	\$17	\$17	\$17	\$17	\$18	\$18	\$18
3	CWIP - EOY (millions)	Exhibit 8, Ln. 8	\$1	\$2	\$2	\$9	\$20	\$94	\$32	\$34
4	Capitalized Interest - EOY (millions)	Exhibit 8, Ln. 10	\$1,214	\$1,214	\$1,214	\$1,214	\$1,214	\$1,214	\$1,214	\$1,214
5	Gross Depreciable Property, Less IDC, EOY (millions)	Ln 1 - Lns(2 + 3 + 4)	\$8,414	\$8,431	\$8,447	\$8,444	\$8,475	\$8,552	\$8,701	\$8,755
6	Appropriate Depreciation Expense (millions)	Exhibit 22, Ln. 3	\$543	\$515	\$504	\$459	\$395	\$336	\$296	\$286
7	Accumulated P-97-4 Depreciation (millions)	Exhibit 22, Ln. 6	\$4,970	\$5,482	\$5,969	\$6,415	\$6,806	\$7,138	\$7,375	\$7,646
8	Amortization Rate - Net Basis	Ln 6 / Lns (5 + 6 - 7)	13.62%	14.85%	16.89%	18.44%	19.15%	19.18%	18.23%	20.49%

Appropriate Factors for Amortization of AFUDC, 1977-1996
(Percenrages)

Line No.	Description		1993	1994	1995	1996
1	Grand Total, Carrier Property - EOY (millions)	Exhibit 8, Ln. 9	\$10,045	\$10,086	\$10,139	\$10,156
2	Land - EOY (millions)	Exhibit 8, Ln. 7	\$18	\$19	\$19	\$19
3	CWIP - EOY (millions)	Exhibit 8, Ln. 8	\$24	\$31	\$51	\$74
4	Capitalized Interest - EOY (millions)	Exhibit 8, Ln. 10	\$1,214	\$1,214	\$1,214	\$1,205
5	Gross Depreciable Property, Less IDC, EOY (millions)	Ln 1 - Lns(2 + 3 + 4)	\$8,790	\$8,823	\$8,856	\$8,859
6	Appropriate Depreciation Expense (millions)	Exhibit 22, Ln. 3	\$237	\$196	\$165	\$127
7	Accumulated P-97-4 Depreciation (millions)	Exhibit 22, Ln. 6	\$7,872	\$8,058	\$8,220	\$8,252
8	Amortization Rate - Net Basis	Ln 6 / Lns (5 + 6 - 7)	20.52%	20.39%	20.65%	17.29%

Appropriate Amortization of AFUDC, 1977-1996
(millions \$)

Line No.	Description	Source	Starting Balances	1977	1978	1979	1980	1981	1982	1983
1	Amortization Factor - Net Basis	Exhibit 24, Ln. 8		1.38%	6.31%	8.05%	9.79%	10.38%	11.72%	12.66%
2	Net Equity AFUDC - BOY	Prior Ln. 5		\$1,491	\$1,471	\$1,385	\$1,278	\$1,160	\$1,049	\$936
3	Equity AFUDC Additions	Exhibit 21, Col. 13	\$1,491	\$1	\$7	\$4	\$8	\$10	\$11	\$7
4	Current Period Equity AFUDC Amortization	(Ln.2 + Ln.3) * Ln.1		\$21	\$93	\$112	\$126	\$122	\$124	\$119
5	Net Equity AFUDC - EOY	Lns. (2 + 3 - 4)	\$1,491	\$1,471	\$1,385	\$1,278	\$1,160	\$1,049	\$936	\$823
6	Accumulated Equity AFUDC Additions	Ln. 3 + Prior Ln. 6	\$1,491	\$1,492	\$1,499	\$1,503	\$1,512	\$1,522	\$1,533	\$1,540
7	Accumulated Equity AFUDC Amortization	Ln. 4 + Prior Ln. 7		\$21	\$114	\$226	\$352	\$473	\$598	\$717
8	Net Debt AFUDC - BOY	Prior Ln. 11		\$433	\$428	\$405	\$374	\$341	\$310	\$278
9	Debt AFUDC Additions	Exhibit 21, Col. 22	\$433	\$1	\$4	\$2	\$4	\$5	\$5	\$3
10	Current Period Debt AFUDC Amortization	(Ln. 8 + Ln. 9) * Ln.1		\$6	\$27	\$33	\$37	\$36	\$37	\$36
11	Net Debt AFUDC - EOY	Lns. (8 + 9 - 10)	\$433	\$428	\$405	\$374	\$341	\$310	\$278	\$246
12	Accumulated Debt AFUDC Additions	Ln. 9 + Prior Ln. 12	\$433	\$434	\$438	\$440	\$444	\$449	\$454	\$457
13	Accumulated Debt AFUDC Amortization	Ln. 10 + Prior Ln. 13		\$6	\$33	\$66	\$103	\$139	\$176	\$212
14	Total Current Period AFUDC Amortization	Ln. 4 + Ln. 10		\$27	\$121	\$145	\$163	\$158	\$161	\$155

Appropriate Amortization of AFUDC, 1977-1996
(millions \$)

Line No.	Description	Source	1984	1985	1986	1987	1988	1989	1990	1991
1	Amortization Factor - Net Basis	Exhibit 24, Ln. 8	13.95%	13.62%	14.85%	16.89%	18.44%	19.15%	19.18%	18.23%
2	Net Equity AFUDC - BOY	Prior Ln. 5	\$823	\$712	\$615	\$524	\$436	\$356	\$288	\$235
3	Equity AFUDC Additions	Exhibit 21, Col. 13	\$4	\$1	\$0	\$1	\$0	\$1	\$2	\$6
4	Current Period Equity AFUDC Amortization	(Ln.2 + Ln.3) * Ln.1	\$115	\$97	\$91	\$89	\$80	\$68	\$56	\$44
5	Net Equity AFUDC - EOY	Lns. (2 + 3 - 4)	\$712	\$615	\$524	\$436	\$356	\$288	\$235	\$197
6	Accumulated Equity AFUDC Additions	Ln. 3 + Prior Ln. 6	\$1,544	\$1,545	\$1,545	\$1,545	\$1,546	\$1,547	\$1,548	\$1,555
7	Accumulated Equity AFUDC Amortization	Ln. 4 + Prior Ln. 7	\$832	\$929	\$1,021	\$1,109	\$1,190	\$1,258	\$1,314	\$1,358
8	Net Debt AFUDC - BOY	Prior Ln. 11	\$246	\$213	\$184	\$157	\$131	\$107	\$87	\$71
9	Debt AFUDC Additions	Exhibit 21, Col. 22	\$2	\$0	\$0	\$0	\$0	\$0	\$1	\$4
10	Current Period Debt AFUDC Amortization	(Ln. 8 + Ln. 9) * Ln.1	\$35	\$29	\$27	\$27	\$24	\$21	\$17	\$14
11	Net Debt AFUDC - EOY	Lns. (8 + 9 - 10)	\$213	\$184	\$157	\$131	\$107	\$87	\$71	\$61
12	Accumulated Debt AFUDC Additions	Ln. 9 + Prior Ln. 12	\$459	\$459	\$460	\$460	\$460	\$461	\$462	\$465
13	Accumulated Debt AFUDC Amortization	Ln. 10 + Prior Ln. 13	\$246	\$275	\$303	\$329	\$353	\$374	\$391	\$404
14	Total Current Period AFUDC Amortization	Ln. 4 + Ln. 10	\$150	\$126	\$119	\$115	\$105	\$89	\$73	\$58

Appropriate Amortization of AFUDC, 1977-1996
(millions \$)

Line No.	Description	Source	1992	1993	1994	1995	1996
1	Amortization Factor - Net Basis	Exhibit 24, Ln. 8	20.49%	20.52%	20.39%	20.65%	17.29%
2	Net Equity AFUDC - BOY	Prior Ln. 5	\$197	\$160	\$129	\$105	\$85
3	Equity AFUDC Additions	Exhibit 21, Col. 13	\$4	\$3	\$2	\$2	\$2
4	Current Period Equity AFUDC Amortization	(Ln.2 + Ln.3) * Ln.1	\$41	\$33	\$27	\$22	\$15
5	Net Equity AFUDC - EOY	Lns. (2 + 3 - 4)	\$160	\$129	\$105	\$85	\$72
6	Accumulated Equity AFUDC Additions	Ln. 3 + Prior Ln. 6	\$1,559	\$1,562	\$1,564	\$1,566	\$1,568
7	Accumulated Equity AFUDC Amortization	Ln. 4 + Prior Ln. 7	\$1,399	\$1,432	\$1,459	\$1,481	\$1,496
8	Net Debt AFUDC - BOY	Prior Ln. 11	\$61	\$50	\$41	\$34	\$28
9	Debt AFUDC Additions	Exhibit 21, Col. 22	\$3	\$2	\$1	\$1	\$1
10	Current Period Debt AFUDC Amortization	(Ln. 8 + Ln. 9) * Ln.1	\$13	\$11	\$9	\$7	\$5
11	Net Debt AFUDC - EOY	Lns. (8 + 9 - 10)	\$50	\$41	\$34	\$28	\$24
12	Accumulated Debt AFUDC Additions	Ln. 9 + Prior Ln. 12	\$468	\$469	\$471	\$472	\$473
13	Accumulated Debt AFUDC Amortization	Ln. 10 + Prior Ln. 13	\$417	\$428	\$437	\$444	\$449
14	Total Current Period AFUDC Amortization	Ln. 4 + Ln. 10	\$54	\$44	\$36	\$29	\$20

Appropriate State Tax Depreciation, 1977-1996
(millions \$)

State Tax Depreciation				Year	1 1977	2 1978	3 1979	4 1980	5 1981	6 1982	7 1983	8 1984	9 1985	10 1986
Depreciation Factors - (1977)					5.71%	4.00%	4.00%	4.00%	4.00%	10.22%	9.61%	9.00%	8.38%	7.77%
Depreciation Factors - (1978)					2.00%	4.00%	4.00%	4.00%	10.75%	10.14%	9.52%	8.91%	8.29%	7.68%
Depreciation Factors - (1979)					2.00%	4.00%	4.00%	10.84%	10.23%	9.61%	9.00%	8.39%	7.77%	7.16%
Depreciation Factors - (1980)					2.00%	4.00%	10.87%	10.26%	9.65%	9.03%	8.42%	7.80%	7.19%	6.58%
Depreciation Factors - (1981)					2.00%	11.15%	10.20%	9.58%	8.97%	8.35%	7.74%	7.13%	6.51%	5.90%
Depreciation Factors - (1982-present)					5.71%	10.78%	9.82%	9.21%	8.60%	7.98%	7.37%	6.75%	6.14%	5.53%
				Year										
				Property Additions (a) Exhibit 8, Lns. 3 - (1+2) ¹	AFUDC Additions (b) Exhibit 21 col 22	Tax Basis for Depreciation (c) (a) + (b)								
1977	1	\$7,889	\$434	\$8,322	\$476	\$333	\$333	\$333	\$333	\$851	\$800	\$749	\$698	\$646
1978	2	\$112	\$4	\$117	\$0	\$2	\$5	\$5	\$5	\$13	\$12	\$11	\$10	\$10
1979	3	\$97	\$2	\$99	\$0	\$0	\$2	\$4	\$4	\$11	\$10	\$9	\$9	\$8
1980	4	\$123	\$4	\$128	\$0	\$0	\$0	\$3	\$5	\$14	\$13	\$12	\$12	\$11
1981	5	\$49	\$5	\$54	\$0	\$0	\$0	\$0	\$1	\$6	\$6	\$5	\$5	\$5
1982	6	\$60	\$5	\$65	\$0	\$0	\$0	\$0	\$0	\$4	\$7	\$6	\$6	\$6
1983	7	\$84	\$3	\$87	\$0	\$0	\$0	\$0	\$0	\$0	\$5	\$9	\$9	\$8
1984	8	\$51	\$2	\$53	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3	\$6	\$5
1985	9	\$29	\$0	\$29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2	\$3
1986	10	\$20	\$0	\$20	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1
1987	11	\$33	\$0	\$33	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1988	12	\$10	\$0	\$10	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1989	13	\$37	\$0	\$37	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1990	14	\$81	\$1	\$82	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1991	15	\$203	\$4	\$206	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1992	16	\$69	\$3	\$72	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1993	17	\$46	\$2	\$47	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1994	18	\$43	\$1	\$45	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1995	19	\$36	\$1	\$37	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1996	20	\$29	\$1	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total State Tax Depreciation					\$476	\$335	\$340	\$344	\$348	\$898	\$852	\$806	\$755	\$703

¹ For 1977, Exh. 8, Lns 3 - (1+2+10)

Appropriate State Tax Depreciation, 1977-1996
(millions \$)

State Tax Depreciation				Year	11 1987	12 1988	13 1989	14 1990	15 1991	16 1992	17 1993	18 1994	19 1995	20 1996
Depreciation Factors - (1977)					7.15%	6.54%	5.93%	5.31%	4.70%	1.84%	1.23%	0.61%	0.00%	0.00%
Depreciation Factors - (1978)					7.06%	6.45%	5.84%	5.22%	2.46%	1.84%	1.23%	0.61%	0.00%	0.00%
Depreciation Factors - (1979)					6.54%	5.93%	5.32%	3.07%	2.46%	1.84%	1.23%	0.61%	0.00%	0.00%
Depreciation Factors - (1980)					5.96%	5.35%	3.68%	3.07%	2.46%	1.84%	1.23%	0.61%	0.00%	0.00%
Depreciation Factors - (1981)					5.28%	4.30%	3.68%	3.07%	2.46%	1.84%	1.23%	0.61%	0.00%	0.00%
Depreciation Factors - (1982-present)					4.91%	4.30%	3.68%	3.07%	2.46%	1.84%	1.23%	0.61%	0.00%	0.00%
Year	Property Additions (a) Exhibit 8, Lns. 3 - (1+2) ¹	AFUDC Additions (b) Exhibit 21 col 22	Tax Basis for Depreciation (c) (a) + (b)											
1977	1	\$7,889	\$434	\$8,322	\$595	\$544	\$493	\$442	\$391	\$153	\$102	\$51	\$0	\$0
1978	2	\$112	\$4	\$117	\$9	\$8	\$8	\$7	\$6	\$3	\$2	\$1	\$1	\$0
1979	3	\$97	\$2	\$99	\$8	\$7	\$6	\$6	\$5	\$3	\$2	\$2	\$1	\$1
1980	4	\$123	\$4	\$128	\$10	\$9	\$8	\$8	\$7	\$5	\$4	\$3	\$2	\$2
1981	5	\$49	\$5	\$54	\$4	\$4	\$4	\$3	\$3	\$2	\$2	\$2	\$1	\$1
1982	6	\$60	\$5	\$65	\$5	\$5	\$4	\$4	\$4	\$3	\$3	\$2	\$2	\$2
1983	7	\$84	\$3	\$87	\$8	\$7	\$6	\$6	\$5	\$5	\$4	\$4	\$3	\$3
1984	8	\$51	\$2	\$53	\$5	\$5	\$4	\$4	\$4	\$3	\$3	\$3	\$2	\$2
1985	9	\$29	\$0	\$29	\$3	\$3	\$3	\$2	\$2	\$2	\$2	\$2	\$1	\$1
1986	10	\$20	\$0	\$20	\$2	\$2	\$2	\$2	\$2	\$1	\$1	\$1	\$1	\$1
1987	11	\$33	\$0	\$33	\$2	\$4	\$3	\$3	\$3	\$3	\$2	\$2	\$2	\$2
1988	12	\$10	\$0	\$10	\$0	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
1989	13	\$37	\$0	\$37	\$0	\$0	\$2	\$4	\$4	\$3	\$3	\$3	\$3	\$3
1990	14	\$81	\$1	\$82	\$0	\$0	\$0	\$5	\$9	\$8	\$8	\$7	\$7	\$6
1991	15	\$203	\$4	\$206	\$0	\$0	\$0	\$0	\$12	\$22	\$20	\$19	\$18	\$16
1992	16	\$69	\$3	\$72	\$0	\$0	\$0	\$0	\$0	\$4	\$8	\$7	\$7	\$6
1993	17	\$46	\$2	\$47	\$0	\$0	\$0	\$0	\$0	\$0	\$3	\$5	\$5	\$4
1994	18	\$43	\$1	\$45	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3	\$5	\$4
1995	19	\$36	\$1	\$37	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2	\$4
1996	20	\$29	\$1	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2
Total State Tax Depreciation					\$651	\$598	\$545	\$496	\$456	\$222	\$171	\$117	\$64	\$60

Appropriate Federal Tax Depreciation, 1977-1996
(millions \$)

Federal Tax Depreciation						1	2	3	4	5	6	7
Year						1977	1978	1979	1980	1981	1982	1983
Depreciation Factors - (1977-1980)						5.71%	10.78%	9.82%	9.21%	8.60%	7.98%	7.37%
Depreciation Factors - (1981-1986)						15.00%	22.00%	21.00%	21.00%	21.00%	0.00%	0.00%
Depreciation Factors - (1987-Present)						5.00%	9.50%	8.55%	7.70%	6.93%	6.23%	5.90%
Year	Property Addition (a) Exhibit 8, Lns. 3 - (1+2)1	AFUDC Addition (b) Exhibit 21 col 22	TEFRA Adjustment (c) Exhibit 27, Ln. 3	Tax Basis for Depreciation (d) (a) + (b) - (c)								
1977	1	\$7,889	\$434	\$0	\$8,322	\$476	\$897	\$818	\$767	\$715	\$664	\$613
1978	2	\$112	\$4	\$0	\$117	\$0	\$7	\$13	\$11	\$11	\$10	\$9
1979	3	\$97	\$2	\$0	\$99	\$0	\$0	\$6	\$11	\$10	\$9	\$8
1980	4	\$123	\$4	\$0	\$128	\$0	\$0	\$0	\$7	\$14	\$13	\$12
1981	5	\$49	\$5	\$0	\$54	\$0	\$0	\$0	\$0	\$8	\$12	\$11
1982	6	\$60	\$5	\$0	\$65	\$0	\$0	\$0	\$0	\$0	\$10	\$14
1983	7	\$84	\$3	\$4	\$83	\$0	\$0	\$0	\$0	\$0	\$0	\$12
1984	8	\$51	\$2	\$3	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1985	9	\$29	\$0	\$1	\$28	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1986	10	\$20	\$0	\$0	\$20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1987	11	\$33	\$0	\$0	\$33	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1988	12	\$10	\$0	\$0	\$10	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1989	13	\$37	\$0	\$0	\$37	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1990	14	\$81	\$1	\$0	\$82	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1991	15	\$203	\$4	\$0	\$206	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1992	16	\$69	\$3	\$0	\$72	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1993	17	\$46	\$2	\$0	\$47	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1994	18	\$43	\$1	\$0	\$45	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1995	19	\$36	\$1	\$0	\$37	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1996	20	\$29	\$1	\$0	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Federal Tax Depreciation						\$476	\$903	\$836	\$796	\$758	\$718	\$681

¹ For 1977, Exh.8, Lns 3 - (1+2+10)

Appropriate Federal Tax Depreciation, 1977-1996
(millions \$)

Federal Tax Depreciation						8	9	10	11	12	13	14
Year						1984	1985	1986	1987	1988	1989	1990
Depreciation Factors - (1977-1980)						6.75%	6.14%	5.53%	4.91%	4.30%	3.68%	3.07%
Depreciation Factors - (1981-1986)						0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Depreciation Factors - (1987-Present)						5.90%	5.90%	5.90%	5.90%	5.90%	5.90%	5.90%
Year	Property Addition (a) Exhibit 8, Lns. 3 - (1+2)1	AFUDC Addition (b) Exhibit 21 col 22	TEFRA Adjustment (c) Exhibit 27, Ln. 3	Tax Basis for Depreciation (d) (a) + (b) - (c)								
1977	1	\$7,889	\$434	\$0	\$8,322	\$562	\$511	\$460	\$409	\$358	\$307	\$256
1978	2	\$112	\$4	\$0	\$117	\$9	\$8	\$7	\$6	\$6	\$5	\$4
1979	3	\$97	\$2	\$0	\$99	\$8	\$7	\$7	\$6	\$5	\$5	\$4
1980	4	\$123	\$4	\$0	\$128	\$11	\$10	\$9	\$9	\$8	\$7	\$6
1981	5	\$49	\$5	\$0	\$54	\$11	\$11	\$0	\$0	\$0	\$0	\$0
1982	6	\$60	\$5	\$0	\$65	\$14	\$14	\$14	\$0	\$0	\$0	\$0
1983	7	\$84	\$3	\$4	\$83	\$18	\$17	\$17	\$17	\$0	\$0	\$0
1984	8	\$51	\$2	\$3	\$50	\$7	\$11	\$10	\$10	\$10	\$0	\$0
1985	9	\$29	\$0	\$1	\$28	\$0	\$4	\$6	\$6	\$6	\$6	\$0
1986	10	\$20	\$0	\$0	\$20	\$0	\$0	\$3	\$4	\$4	\$4	\$4
1987	11	\$33	\$0	\$0	\$33	\$0	\$0	\$0	\$2	\$3	\$3	\$3
1988	12	\$10	\$0	\$0	\$10	\$0	\$0	\$0	\$0	\$1	\$1	\$1
1989	13	\$37	\$0	\$0	\$37	\$0	\$0	\$0	\$0	\$0	\$2	\$4
1990	14	\$81	\$1	\$0	\$82	\$0	\$0	\$0	\$0	\$0	\$0	\$4
1991	15	\$203	\$4	\$0	\$206	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1992	16	\$69	\$3	\$0	\$72	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1993	17	\$46	\$2	\$0	\$47	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1994	18	\$43	\$1	\$0	\$45	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1995	19	\$36	\$1	\$0	\$37	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1996	20	\$29	\$1	\$0	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Federal Tax Depreciation						\$640	\$594	\$534	\$470	\$401	\$339	\$286

Appropriate Federal Tax Depreciation, 1977-1996
(millions \$)

Federal Tax Depreciation						15	16	17	18	19	20
Year						1991	1992	1993	1994	1995	1996
Depreciation Factors - (1977-1980)						2.46%	1.84%	1.23%	0.61%	0.00%	0.00%
Depreciation Factors - (1981-1986)						0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Depreciation Factors - (1987-Present)						5.90%	2.95%	0.00%	0.00%	0.00%	0.00%
Year	Property Addition (a) Exhibit 8, Lns. 3 - (1+2)1	AFUDC Addition (b) Exhibit 21 col 22	TEFRA Adjustment (c) Exhibit 27, Ln. 3	Tax Basis for Depreciation (d) (a) + (b) - (c)							
1977	1	\$7,889	\$434	\$0	\$8,322	\$204	\$153	\$102	\$51	\$0	\$0
1978	2	\$112	\$4	\$0	\$117	\$4	\$3	\$2	\$1	\$1	\$0
1979	3	\$97	\$2	\$0	\$99	\$4	\$3	\$2	\$2	\$1	\$1
1980	4	\$123	\$4	\$0	\$128	\$5	\$5	\$4	\$3	\$2	\$2
1981	5	\$49	\$5	\$0	\$54	\$0	\$0	\$0	\$0	\$0	\$0
1982	6	\$60	\$5	\$0	\$65	\$0	\$0	\$0	\$0	\$0	\$0
1983	7	\$84	\$3	\$4	\$83	\$0	\$0	\$0	\$0	\$0	\$0
1984	8	\$51	\$2	\$3	\$50	\$0	\$0	\$0	\$0	\$0	\$0
1985	9	\$29	\$0	\$1	\$28	\$0	\$0	\$0	\$0	\$0	\$0
1986	10	\$20	\$0	\$0	\$20	\$0	\$0	\$0	\$0	\$0	\$0
1987	11	\$33	\$0	\$0	\$33	\$2	\$2	\$2	\$2	\$2	\$2
1988	12	\$10	\$0	\$0	\$10	\$1	\$1	\$1	\$1	\$1	\$1
1989	13	\$37	\$0	\$0	\$37	\$3	\$3	\$3	\$2	\$2	\$2
1990	14	\$81	\$1	\$0	\$82	\$8	\$7	\$6	\$6	\$5	\$5
1991	15	\$203	\$4	\$0	\$206	\$10	\$20	\$18	\$16	\$14	\$13
1992	16	\$69	\$3	\$0	\$72	\$0	\$4	\$7	\$6	\$6	\$5
1993	17	\$46	\$2	\$0	\$47	\$0	\$0	\$2	\$4	\$4	\$4
1994	18	\$43	\$1	\$0	\$45	\$0	\$0	\$0	\$2	\$4	\$4
1995	19	\$36	\$1	\$0	\$37	\$0	\$0	\$0	\$0	\$2	\$4
1996	20	\$29	\$1	\$0	\$30	\$0	\$0	\$0	\$0	\$0	\$1
Total Federal Tax Depreciation						\$241	\$200	\$149	\$97	\$44	\$42

Appropriate TEFRA Adjustment to Rates, 1977-1996
(millions \$)

Line No.	Description	Source	1977	1978	1979	1980	1981	1982	1983
1	Tax Depreciation Basis before TEFRA Adjustment	Exhibit 26, Schedule 1, col c	\$8,322	\$117	\$99	\$128	\$54	\$65	\$87
2	Tax Depreciation Basis Reduction	143-RGV-C, TAPS-RGV WP3, Sch. 8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.00%
3	TEFRA Adjustment	Ln. 1 * Ln. 2	\$0	\$0	\$0	\$0	\$0	\$0	\$4
4	TEFRA Adjustment Balance (BOY)	Ln. 3 + Prior Ln. 7	\$0	\$0	\$0	\$0	\$0	\$0	\$4
5	Depreciation Factor	Exhibit 24, Ln. 8	1.38%	6.31%	8.05%	9.79%	10.38%	11.72%	12.66%
6	Amortization of TEFRA Adjustment	Ln. 4 * Ln. 5	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.553
7	TEFRA Adjustment Balance (EOY)	Ln. 4 - Ln. 6	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$3.816

Appropriate TEFRA Adjustment to Rates, 1977-1996
(millions \$)

Line No.	Description	Source	1984	1985	1986	1987	1988	1989	1990
1	Tax Depreciation Basis before TEFRA Adjustment	Exhibit 26, Schedule 1, col c	\$53	\$29	\$20	\$33	\$10	\$37	\$82
2	Tax Depreciation Basis Reduction	143-RGV-C, TAPS-RGV WP3, Sch. 8	5.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	TEFRA Adjustment	Ln. 1 * Ln. 2	\$3	\$1	\$0	\$0	\$0	\$0	\$0
4	TEFRA Adjustment Balance (BOY)	Ln. 3 + Prior Ln. 7	\$6	\$7	\$6	\$5	\$4	\$3	\$3
5	Depreciation Factor	Exhibit 24, Ln. 8	13.95%	13.62%	14.85%	16.89%	18.44%	19.15%	19.18%
6	Amortization of TEFRA Adjustment	Ln. 4 * Ln. 5	\$0.899	\$0.954	\$0.899	\$0.870	\$0.790	\$0.669	\$0.541
7	TEFRA Adjustment Balance (EOY)	Ln. 4 - Ln. 6	\$5.546	\$6.051	\$5.152	\$4.282	\$3.492	\$2.823	\$2.282

Appropriate TEFRA Adjustment to Rates, 1977-1996
(millions \$)

Line No.	Description	Source	1991	1992	1993	1994	1995	1996
1	Tax Depreciation Basis before TEFRA Adjustment	Exhibit 26, Schedule 1, col c	\$206	\$72	\$47	\$45	\$37	\$30
2	Tax Depreciation Basis Reduction	143-RGV-C, TAPS-RGV WP3, Sch. 8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	TEFRA Adjustment	Ln. 1 * Ln. 2	\$0	\$0	\$0	\$0	\$0	\$0
4	TEFRA Adjustment Balance (BOY)	Ln. 3 + Prior Ln. 7	\$2	\$2	\$1	\$1	\$1	\$1
5	Depreciation Factor	Exhibit 24, Ln. 8	18.23%	20.49%	20.52%	20.39%	20.65%	17.29%
6	Amortization of TEFRA Adjustment	Ln. 4 * Ln. 5	\$0.416	\$0.382	\$0.305	\$0.240	\$0.194	\$0.129
7	TEFRA Adjustment Balance (EOY)	Ln. 4 - Ln. 6	\$1.866	\$1.484	\$1.179	\$0.939	\$0.745	\$0.616

Appropriate ADIT Balances, 1977-1996
(millions \$)

Line No.	Description	Source	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
1	Regulatory Depreciation Incl. Amortization of Debt AFUDC	Exh.22 Ln. 3+Exh. 25 Ln.10	\$114	\$528	\$638	\$730	\$704	\$719	\$696	\$676	\$572	\$542
2	State Tax Depreciation	Exhibit 26, Schedule 1	\$476	\$335	\$340	\$344	\$348	\$898	\$852	\$806	\$755	\$703
3	State Tax Timing Differences	Ln. 2 - Ln. 1	\$361	(\$193)	(\$298)	(\$386)	(\$356)	\$179	\$156	\$129	\$183	\$161
4	State Income Tax Rate	AK Stat.	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%
5	State Tax Effect	Ln. 3 * Ln. 4	\$34	(\$18)	(\$28)	(\$36)	(\$33)	\$17	\$15	\$12	\$17	\$15
6	State ADIT Balance	Ln. 5 + Prior Ln. 6	\$34	\$16	(\$12)	(\$49)	(\$82)	(\$65)	(\$50)	(\$38)	(\$21)	(\$6)
7	Regulatory Depreciation Incl. Amortization of Debt AFUDC	Ln.1	\$114	\$528	\$638	\$730	\$704	\$719	\$696	\$676	\$572	\$542
8	Depreciation of TEFRA Adjustment	Exhibit 27, Ln. 6	\$0	\$0	\$0	\$0	\$0	\$0	\$1	\$1	\$1	\$1
9	Regulatory Depreciation after TEFRA Adjustment	Ln. 7 - Ln. 8	\$114	\$528	\$638	\$730	\$704	\$719	\$696	\$675	\$571	\$541
10	Federal Tax Depreciation	Exhibit 26, Schedule 2	\$476	\$903	\$836	\$796	\$758	\$718	\$681	\$640	\$594	\$534
11	Tax Effect of State Timing Differences	Ln. 5	\$34	(\$18)	(\$28)	(\$36)	(\$33)	\$17	\$15	\$12	\$17	\$15
12	Total Federal Tax Deductions	Ln. 10 - Ln.11	\$442	\$922	\$864	\$832	\$791	\$701	\$666	\$628	\$577	\$519
13	Federal Tax Timing Differences	Ln.12 - Ln. 9	\$327	\$393	\$226	\$102	\$87	(\$18)	(\$29)	(\$47)	\$6	(\$22)
14	Federal Income Tax Rate	IRC	48.00%	48.00%	46.00%	46.00%	46.00%	46.00%	46.00%	46.00%	46.00%	46.00%
15	Federal Tax Effect	Ln. 13 * Ln. 14	\$157	\$189	\$104	\$47	\$40	(\$8)	(\$13)	(\$22)	\$3	(\$10)
16	FASB 96/109 Adjustment	Cum. Ln 13 * Change in Ln 14	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Amortization Basis for FASB 96/109 Adjustment	Lns(Prior 17 + 16 - Prior 18)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Amortization of FASB 96/109 Adjustment	Ln. 17 * Exhibit 24 Ln. 8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Federal ADIT Balance	Prior Ln.19 + Ln.15 - Ln.18	\$157	\$346	\$450	\$497	\$537	\$529	\$515	\$494	\$496	\$486
20	Total State And Federal ADIT Balances	Ln. 6 + Ln. 19	\$191	\$362	\$438	\$448	\$455	\$464	\$465	\$455	\$475	\$480

Appropriate ADIT Balances, 1977-1996
(millions \$)

Line No.	Description	Source	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
1	Regulatory Depreciation Incl. Amortization of Debt AFUDC	Exh.22 Ln. 3+Exh. 25 Ln.10	\$530	\$483	\$416	\$352	\$309	\$299	\$248	\$205	\$173	\$132
2	State Tax Depreciation	Exhibit 26, Schedule 1	\$651	\$598	\$545	\$496	\$456	\$222	\$171	\$117	\$64	\$60
3	State Tax Timing Differences	Ln. 2 - Ln. 1	\$120	\$115	\$129	\$144	\$147	(\$77)	(\$77)	(\$87)	(\$109)	(\$72)
4	State Income Tax Rate	AK Stat.	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%
5	State Tax Effect	Ln. 3 * Ln. 4	\$11	\$11	\$12	\$14	\$14	(\$7)	(\$7)	(\$8)	(\$10)	(\$7)
6	State ADIT Balance	Ln. 5 + Prior Ln. 6	\$5	\$16	\$28	\$42	\$56	\$48	\$41	\$33	\$23	\$16
7	Regulatory Depreciation Incl. Amortization of Debt AFUDC	Ln.1	\$530	\$483	\$416	\$352	\$309	\$299	\$248	\$205	\$173	\$132
8	Depreciation of TEFRA Adjustment	Exhibit 27, Ln. 6	\$1	\$1	\$1	\$1	\$0	\$0	\$0	\$0	\$0	\$0
9	Regulatory Depreciation after TEFRA Adjustment	Ln. 7 - Ln. 8	\$529	\$482	\$415	\$352	\$309	\$298	\$247	\$204	\$172	\$132
10	Federal Tax Depreciation	Exhibit 26, Schedule 2	\$470	\$401	\$339	\$286	\$241	\$200	\$149	\$97	\$44	\$42
11	Tax Effect of State Timing Differences	Ln. 5	\$11	\$11	\$12	\$14	\$14	(\$7)	(\$7)	(\$8)	(\$10)	(\$7)
12	Total Federal Tax Deductions	Ln. 10 - Ln.11	\$458	\$390	\$327	\$272	\$228	\$207	\$156	\$105	\$54	\$49
13	Federal Tax Timing Differences	Ln.12 - Ln. 9	(\$71)	(\$92)	(\$88)	(\$80)	(\$81)	(\$92)	(\$91)	(\$99)	(\$118)	(\$83)
14	Federal Income Tax Rate	IRC	39.95%	34.00%	34.00%	34.00%	34.00%	34.00%	35.00%	35.00%	35.00%	35.00%
15	Federal Tax Effect	Ln. 13 * Ln. 14	(\$28)	(\$31)	(\$30)	(\$27)	(\$28)	(\$31)	(\$32)	(\$35)	(\$41)	(\$29)
16	FASB 96/109 Adjustment	Cum. Ln 13 * Change in Ln 14	\$62	\$57	\$0	\$0	\$0	\$0	(\$5)	\$0	\$0	\$0
17	Amortization Basis for FASB 96/109 Adjustment	Lns(Prior 17 + 16 - Prior 18)	\$62	\$108	\$88	\$71	\$58	\$47	\$32	\$26	\$20	\$16
18	Amortization of FASB 96/109 Adjustment	Ln. 17 * Exhibit 24 Ln. 8	\$10	\$20	\$17	\$14	\$11	\$10	\$7	\$5	\$4	\$3
19	Federal ADIT Balance	Prior Ln.19 + Ln.15 - Ln.18	\$447	\$396	\$349	\$308	\$270	\$229	\$191	\$151	\$105	\$73
20	Total State And Federal ADIT Balances	Ln. 6 + Ln. 19	\$453	\$412	\$377	\$350	\$326	\$278	\$232	\$184	\$128	\$89

Appropriate Rate Base, 1977-1996
(millions \$)

Line No.	Description	Source	Starting Balances	1977	1978	1979	1980	1981	1982
1	Gross Carrier Property - BOY 1/	Prior Ln. 10	\$7,741	\$9,665	\$9,843	\$10,011	\$10,101	\$10,226	\$10,288
2	Gross Additions, New Construction Exp.	Exhibit 8, Ln. 3		\$1,422	\$98	\$100	\$106	\$49	\$65
3	Less Additions to Capitalized Interest	Exh. 8, [Ln. 10 - Prior Ln. 10]		\$1,216	\$0	\$0	\$0	(\$0)	\$0
4	Gross Property Additions, Net IDC	Ln. 2 - Ln. 3		\$206	\$98	\$100	\$106	\$50	\$65
5	Acquisitions of Carrier Property in Service	Exhibit 8, Ln. 4		\$0	\$0	\$0	\$170	\$0	\$0
6	Retirements of CPIS	Exhibit 8, Ln. 5		(\$29)	(\$7)	(\$12)	(\$165)	(\$2)	(\$12)
7	Adjustments to CPIS	Exhibit 8, Ln. 6		(\$0)	\$65	(\$4)	\$1	(\$1)	(\$13)
8	Equity AFUDC Additions	Exhibit 21, col. 13	\$1,491	\$1	\$7	\$4	\$8	\$10	\$11
9	Debt AFUDC Additions	Exhibit 21, col. 22	\$433	\$1	\$4	\$2	\$4	\$5	\$5
10	Gross Carrier Property - EOY	Lns (1+4+5+6+7+8+9)	\$9,665	\$9,843	\$10,011	\$10,101	\$10,226	\$10,288	\$10,344
11	Accumulated Depreciation	Exhibit 22, Ln. 6		\$108	\$602	\$1,197	\$1,838	\$2,505	\$3,173
12	Accumulated Equity AFUDC Amortization	Exhibit 25, Ln. 7		\$21	\$114	\$226	\$352	\$473	\$598
13	Accumulated Debt AFUDC Amortization	Exhibit 25, Ln. 13		\$6	\$33	\$66	\$103	\$139	\$176
14	CWIP Balance - EOY	Exhibit 8, Ln. 8		\$42	\$24	\$28	\$29	\$29	\$33
15	Net Carrier Property	Lns (10 -11-12-13-14)	\$9,665	\$9,666	\$9,238	\$8,584	\$7,904	\$7,142	\$6,364
16	Working Capital	Exhibit 9, col (b)		\$57	\$29	\$36	\$34	\$39	\$39
17	ADIT	Exhibit 28, Ln. 20		\$191	\$362	\$438	\$448	\$455	\$464
18	Rate Base - Year-end	Lns (15+16-17)	\$9,665	\$9,533	\$8,905	\$8,183	\$7,490	\$6,726	\$5,939
19	Average Rate Base	(Ln.18+Prior Ln.18)/2		\$9,599	\$9,219	\$8,544	\$7,836	\$7,108	\$6,333

1/ Starting Balance is from Exhibit 8, Line 3

Appropriate Rate Base, 1977-1996
(millions \$)

Line No.	Description	Source	1983	1984	1985	1986	1987	1988	1989
1	Gross Carrier Property - BOY 1/	Prior Ln. 10	\$10,344	\$10,396	\$10,423	\$10,436	\$10,455	\$10,472	\$10,476
2	Gross Additions, New Construction Exp.	Exhibit 8, Ln. 3	\$70	\$38	\$26	\$21	\$32	\$17	\$48
3	Less Additions to Capitalized Interest	Exh. 8, [Ln. 10 - Prior Ln. 10]	\$0	(\$1)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)
4	Gross Property Additions, Net IDC	Ln. 2 - Ln. 3	\$70	\$39	\$26	\$21	\$32	\$17	\$48
5	Acquisitions of Carrier Property in Service	Exhibit 8, Ln. 4	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Retirements of CPIS	Exhibit 8, Ln. 5	(\$24)	(\$13)	(\$14)	(\$3)	(\$16)	(\$13)	(\$5)
7	Adjustments to CPIS	Exhibit 8, Ln. 6	(\$4)	(\$4)	\$0	\$0	\$0	\$0	(\$0)
8	Equity AFUDC Additions	Exhibit 21, col. 13	\$7	\$4	\$1	\$0	\$1	\$0	\$1
9	Debt AFUDC Additions	Exhibit 21, col. 22	\$3	\$2	\$0	\$0	\$0	\$0	\$0
10	Gross Carrier Property - EOY	Lns (1+4+5+6+7+8+9)	\$10,396	\$10,423	\$10,436	\$10,455	\$10,472	\$10,476	\$10,520
11	Accumulated Depreciation	Exhibit 22, Ln. 6	\$3,811	\$4,441	\$4,970	\$5,482	\$5,969	\$6,415	\$6,806
12	Accumulated Equity AFUDC Amortization	Exhibit 25, Ln. 7	\$717	\$832	\$929	\$1,021	\$1,109	\$1,190	\$1,258
13	Accumulated Debt AFUDC Amortization	Exhibit 25, Ln. 13	\$212	\$246	\$275	\$303	\$329	\$353	\$374
14	CWIP Balance - EOY	Exhibit 8, Ln. 8	\$15	\$4	\$1	\$2	\$2	\$9	\$20
15	Net Carrier Property	Lns (10 -11-12-13-14)	\$5,641	\$4,899	\$4,260	\$3,648	\$3,063	\$2,509	\$2,062
16	Working Capital	Exhibit 9, col (b)	\$29	\$33	\$34	\$29	\$33	\$36	\$36
17	ADIT	Exhibit 28, Ln. 20	\$465	\$455	\$475	\$480	\$453	\$412	\$377
18	Rate Base - Year-end	Lns (15+16-17)	\$5,205	\$4,477	\$3,819	\$3,196	\$2,643	\$2,133	\$1,721
19	Average Rate Base	(Ln.18+Prior Ln.18)/2	\$5,572	\$4,841	\$4,148	\$3,507	\$2,920	\$2,388	\$1,927

Appropriate Rate Base, 1977-1996
(millions \$)

Line No.	Description	Source	1990	1991	1992	1993	1994	1995	1996
1	Gross Carrier Property - BOY 1/	Prior Ln. 10	\$10,520	\$10,674	\$10,772	\$10,834	\$10,864	\$10,908	\$10,964
2	Gross Additions, New Construction Exp.	Exhibit 8, Ln. 3	\$156	\$141	\$71	\$36	\$51	\$56	\$52
3	Less Additions to Capitalized Interest	Exh. 8, [Ln. 10 - Prior Ln. 10]	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$9)
4	Gross Property Additions, Net IDC	Ln. 2 - Ln. 3	\$156	\$141	\$71	\$36	\$51	\$56	\$61
5	Acquisitions of Carrier Property in Service	Exhibit 8, Ln. 4	\$0	\$0	\$0	\$0	\$0	\$0	\$81
6	Retirements of CPIS	Exhibit 8, Ln. 5	(\$4)	(\$53)	(\$16)	(\$11)	(\$10)	(\$3)	(\$116)
7	Adjustments to CPIS	Exhibit 8, Ln. 6	\$0	(\$0)	\$0	(\$0)	\$0	\$0	\$0
8	Equity AFUDC Additions	Exhibit 21, col. 13	\$2	\$6	\$4	\$3	\$2	\$2	\$2
9	Debt AFUDC Additions	Exhibit 21, col. 22	\$1	\$4	\$3	\$2	\$1	\$1	\$1
10	Gross Carrier Property - EOY	Lns (1+4+5+6+7+8+9)	\$10,674	\$10,772	\$10,834	\$10,864	\$10,908	\$10,964	\$10,993
11	Accumulated Depreciation	Exhibit 22, Ln. 6	\$7,138	\$7,375	\$7,646	\$7,872	\$8,058	\$8,220	\$8,252
12	Accumulated Equity AFUDC Amortization	Exhibit 25, Ln. 7	\$1,314	\$1,358	\$1,399	\$1,432	\$1,459	\$1,481	\$1,496
13	Accumulated Debt AFUDC Amortization	Exhibit 25, Ln. 13	\$391	\$404	\$417	\$428	\$437	\$444	\$449
14	CWIP Balance - EOY	Exhibit 8, Ln. 8	\$94	\$32	\$34	\$24	\$31	\$51	\$74
15	Net Carrier Property	Lns (10 -11-12-13-14)	\$1,738	\$1,602	\$1,339	\$1,107	\$923	\$767	\$722
16	Working Capital	Exhibit 9, col (b)	\$39	\$59	\$54	\$44	\$43	\$34	\$36
17	ADIT	Exhibit 28, Ln. 20	\$350	\$326	\$278	\$232	\$184	\$128	\$89
18	Rate Base - Year-end	Lns (15+16-17)	\$1,427	\$1,336	\$1,115	\$919	\$783	\$674	\$669
19	Average Rate Base	(Ln.18+Prior Ln.18)/2	\$1,574	\$1,381	\$1,225	\$1,017	\$851	\$728	\$671

Parties' Positions on Operating Expenses, 1977-1996
(Excluding Depreciation and DRR)
(millions \$)

	(a)	(b)	(c)
Date	Carriers and Williams	Tesoro	Difference
	Exhibit 143-RGV-C, TAPS-RGV WP3, Sch. 13; Exhibit 189-BEW-T, BEW_R_RGV WP1 - DR 22RE, Sch. 13	225-JFB-T, 30-BWF-E, 31-BWF-E	a-b
1977	242.373	223.974	18.399
1978	450.207	449.768	0.439
1979	395.732	384.043	11.689
1980	455.681	453.548	2.133
1981	465.612	462.477	3.135
1982	467.774	461.445	6.329
1983	455.867	442.947	12.920
1984	440.939	416.275	24.664
1985	462.037	450.009	12.028
1986	438.168	445.722	-7.554
1987	411.118	407.370	3.748
1988	448.977	447.893	1.084
1989	582.207	581.103	1.104
1990	710.403	705.430	4.973
1991	658.447	656.963	1.484
1992	716.605	684.210	32.395
1993	752.560	742.893	9.667
1994	889.183	885.356	3.827
1995	667.652	663.874	3.778
1996	601.107	598.140	2.967

Cumulative Sum \$149.209

Appropriate Return on Rate Base, 1977-1996
(millions \$)

Line No.	Description	Source	1977	1978	1979	1980	1981	1982	1983
1	Weighted Rate of Return	Exhibit 2, col g	11.74%	12.19%	12.63%	13.67%	15.15%	14.98%	13.31%
2	Average Rate Base	Exhibit 29, Ln. 19	\$9,599	\$9,219	\$8,544	\$7,836	\$7,108	\$6,333	\$5,572
3	Total Return on Rate Base	Ln.1 * Ln.2	\$563	\$1,124	\$1,079	\$1,071	\$1,077	\$949	\$742
4	Debt Capital Structure	Exhibit 11, col d	49.50%	49.50%	49.50%	49.50%	49.50%	49.50%	49.50%
5	Cost of Debt	Exh. 15 Sch. 3, col l	8.86%	8.88%	8.90%	8.98%	9.01%	9.03%	9.08%
6	Debt Weighted Rate of Return	Ln.4 * Ln.5	4.39%	4.40%	4.41%	4.45%	4.46%	4.47%	4.49%
7	Interest Expense	Ln.2 * Ln.6	\$210	\$405	\$376	\$348	\$317	\$283	\$250
8	Equity Weighted Rate of Return	Ln.1 - Ln.6	7.35%	7.79%	8.22%	9.22%	10.69%	10.51%	8.82%
9	Return on Equity	Ln.2 * Ln.8	\$353	\$719	\$703	\$723	\$760	\$666	\$491

Appropriate Return on Rate Base, 1977-1996
(millions \$)

Line No.	Description	Source	1984	1985	1986	1987	1988	1989	1990
1	Weighted Rate of Return	Exhibit 2, col g	13.94%	13.29%	12.64%	12.63%	12.84%	12.74%	12.88%
2	Average Rate Base	Exhibit 29, Ln. 19	\$4,841	\$4,148	\$3,507	\$2,920	\$2,388	\$1,927	\$1,574
3	Total Return on Rate Base	Ln.1 * Ln.2	\$675	\$551	\$443	\$369	\$307	\$246	\$203
4	Debt Capital Structure	Exhibit 11, col d	49.50%	49.50%	49.50%	49.50%	49.50%	49.50%	49.50%
5	Cost of Debt	Exh. 15 Sch. 3, col l	9.13%	9.16%	9.17%	9.19%	9.20%	9.23%	9.35%
6	Debt Weighted Rate of Return	Ln.4 * Ln.5	4.52%	4.53%	4.54%	4.55%	4.55%	4.57%	4.63%
7	Interest Expense	Ln.2 * Ln.6	\$219	\$188	\$159	\$133	\$109	\$88	\$73
8	Equity Weighted Rate of Return	Ln.1 - Ln.6	9.42%	8.76%	8.10%	8.08%	8.29%	8.17%	8.25%
9	Return on Equity	Ln.2 * Ln.8	\$456	\$363	\$284	\$236	\$198	\$157	\$130

Appropriate Return on Rate Base, 1977-1996
(millions \$)

Line No.	Description	Source	1991	1992	1993	1994	1995	1996
1	Weighted Rate of Return	Exhibit 2, col g	12.75%	12.52%	11.68%	12.07%	12.08%	11.78%
2	Average Rate Base	Exhibit 29, Ln. 19	\$1,381	\$1,225	\$1,017	\$851	\$728	\$671
3	Total Return on Rate Base	Ln.1 * Ln.2	\$176	\$153	\$119	\$103	\$88	\$79
4	Debt Capital Structure	Exhibit 11, col d	49.50%	49.50%	49.50%	49.50%	49.50%	49.50%
5	Cost of Debt	Exh. 15 Sch. 3, col l	9.37%	9.37%	9.30%	9.41%	9.38%	9.24%
6	Debt Weighted Rate of Return	Ln.4 * Ln.5	4.64%	4.64%	4.60%	4.66%	4.64%	4.57%
7	Interest Expense	Ln.2 * Ln.6	\$64	\$57	\$47	\$40	\$34	\$31
8	Equity Weighted Rate of Return	Ln.1 - Ln.6	8.11%	7.88%	7.08%	7.41%	7.44%	7.21%
9	Return on Equity	Ln.2 * Ln.8	\$112	\$97	\$72	\$63	\$54	\$48

Appropriate Income Tax Allowance, 1977-1996
(millions \$)

Line No.	Description	Source	1977	1978	1979	1980	1981	1982	1983	1984
1	Total Return on Rate Base	Exhibit 31 Ln. 3	\$563	\$1,124	\$1,079	\$1,071	\$1,077	\$949	\$742	\$675
2	Interest Expense	Exhibit 31 Ln. 7	\$210	\$405	\$376	\$348	\$317	\$283	\$250	\$219
3	Equity Portion of Return on Rate Base	Ln. 1 - Ln. 2	\$353	\$719	\$703	\$723	\$760	\$666	\$491	\$456
Permanent Differences - Federal Income Tax:										
4	Amortization of Equity AFUDC	Exhibit 25 Ln. 4	\$21	\$93	\$112	\$126	\$122	\$124	\$119	\$115
5	Amortization of TEFRA Adjustment	Exhibit 27 Ln. 6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.55	\$0.90
6	Amortization of Deferred Tax Adjustments	Exhibit 28 Ln. 18	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Subtotal for Federal Income Tax Allowance	Lns (3 + 4 + 5 - 6)	\$374	\$812	\$814	\$849	\$881	\$790	\$611	\$572
8	Federal Income Tax Rate	RGV-143-C, Sch. 8	48.00%	48.00%	46.00%	46.00%	46.00%	46.00%	46.00%	46.00%
9	Net-to-Tax Multiplier - Federal Income Tax	Ln. 8 / (1 - Ln. 8)	92.31%	92.31%	85.19%	85.19%	85.19%	85.19%	85.19%	85.19%
10	Federal Income Tax Allowance	Ln. 7 * Ln. 9 - Ln. 6	\$345	\$749	\$694	\$723	\$751	\$673	\$521	\$488
Permanent Differences - State Income Tax:										
11	Amortization of Equity AFUDC	Exhibit 25 Ln. 4	\$21	\$93	\$112	\$126	\$122	\$124	\$119	\$115
12	Subtotal for State Income Tax Allowance	Lns (3 + 10 + 11)	\$718	\$1,561	\$1,508	\$1,572	\$1,632	\$1,463	\$1,131	\$1,059
13	Alaska State Income Tax Rate	RGV-143-C, Sch. 8	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%
14	Net-to-Tax Multiplier - State Income Tax	Ln 13 / (1 - Ln. 13)	10.38%	10.38%	10.38%	10.38%	10.38%	10.38%	10.38%	10.38%
15	State Income Tax Allowance	Ln. 12 * Ln. 14	\$75	\$162	\$156	\$163	\$169	\$152	\$117	\$110
16	Total Income Tax Allowance	Ln. 10 + Ln. 15	\$419	\$911	\$850	\$886	\$920	\$825	\$638	\$597

Appropriate Income Tax Allowance, 1977-1996
(millions \$)

Line No.	Description	Source	1985	1986	1987	1988	1989	1990	1991	1992
1	Total Return on Rate Base	Exhibit 31 Ln. 3	\$551	\$443	\$369	\$307	\$246	\$203	\$176	\$153
2	Interest Expense	Exhibit 31 Ln. 7	\$188	\$159	\$133	\$109	\$88	\$73	\$64	\$57
3	Equity Portion of Return on Rate Base	Ln. 1 - Ln. 2	\$363	\$284	\$236	\$198	\$157	\$130	\$112	\$97
Permanent Differences - Federal Income Tax:										
4	Amortization of Equity AFUDC	Exhibit 25 Ln. 4	\$97	\$91	\$89	\$80	\$68	\$56	\$44	\$41
5	Amortization of TEFRA Adjustment	Exhibit 27 Ln. 6	\$0.95	\$0.90	\$0.87	\$0.79	\$0.67	\$0.54	\$0.42	\$0.38
6	Amortization of Deferred Tax Adjustments	Exhibit 28 Ln. 18	\$0	\$0	\$10	\$20	\$17	\$14	\$11	\$10
7	Subtotal for Federal Income Tax Allowance	Lns (3 + 4 + 5 - 6)	\$461	\$376	\$315	\$259	\$210	\$172	\$146	\$129
8	Federal Income Tax Rate	RGV-143-C, Sch. 8	46.00%	46.00%	39.95%	34.00%	34.00%	34.00%	34.00%	34.00%
9	Net-to-Tax Multiplier - Federal Income Tax	Ln. 8 / (1 - Ln. 8)	85.19%	85.19%	66.53%	51.52%	51.52%	51.52%	51.52%	51.52%
10	Federal Income Tax Allowance	Ln. 7 * Ln. 9 - Ln. 6	\$393	\$321	\$199	\$114	\$91	\$75	\$65	\$57
Permanent Differences - State Income Tax:										
11	Amortization of Equity AFUDC	Exhibit 25 Ln. 4	\$97	\$91	\$89	\$80	\$68	\$56	\$44	\$41
12	Subtotal for State Income Tax Allowance	Lns (3 + 10 + 11)	\$853	\$696	\$524	\$392	\$317	\$261	\$221	\$194
13	Alaska State Income Tax Rate	RGV-143-C, Sch. 8	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%
14	Net-to-Tax Multiplier - State Income Tax	Ln 13 / (1 - Ln. 13)	10.38%	10.38%	10.38%	10.38%	10.38%	10.38%	10.38%	10.38%
15	State Income Tax Allowance	Ln. 12 * Ln. 14	\$88	\$72	\$54	\$41	\$33	\$27	\$23	\$20
16	Total Income Tax Allowance	Ln. 10 + Ln. 15	\$481	\$393	\$253	\$154	\$124	\$102	\$87	\$77

Appropriate Income Tax Allowance, 1977-1996
(millions \$)

Line No.	Description	Source	1993	1994	1995	1996
1	Total Return on Rate Base	Exhibit 31 Ln. 3	\$119	\$103	\$88	\$79
2	Interest Expense	Exhibit 31 Ln. 7	\$47	\$40	\$34	\$31
3	Equity Portion of Return on Rate Base	Ln. 1 - Ln. 2	\$72	\$63	\$54	\$48
	Permanent Differences - Federal Income Tax:					
4	Amortization of Equity AFUDC	Exhibit 25 Ln. 4	\$33	\$27	\$22	\$15
5	Amortization of TEFRA Adjustment	Exhibit 27 Ln. 6	\$0.30	\$0.24	\$0.19	\$0.13
6	Amortization of Deferred Tax Adjustments	Exhibit 28 Ln. 18	\$7	\$5	\$4	\$3
7	Subtotal for Federal Income Tax Allowance	Lns (3 + 4 + 5 - 6)	\$99	\$85	\$72	\$61
8	Federal Income Tax Rate	RGV-143-C, Sch. 8	35.00%	35.00%	35.00%	35.00%
9	Net-to-Tax Multiplier - Federal Income Tax	Ln. 8 / (1 - Ln. 8)	53.85%	53.85%	53.85%	53.85%
10	Federal Income Tax Allowance	Ln. 7 * Ln. 9 - Ln. 6	\$47	\$40	\$35	\$30
	Permanent Differences - State Income Tax:					
11	Amortization of Equity AFUDC	Exhibit 25 Ln. 4	\$33	\$27	\$22	\$15
12	Subtotal for State Income Tax Allowance	Lns (3 + 10 + 11)	\$152	\$130	\$111	\$93
13	Alaska State Income Tax Rate	RGV-143-C, Sch. 8	9.40%	9.40%	9.40%	9.40%
14	Net-to-Tax Multiplier - State Income Tax	Ln 13 / (1 - Ln. 13)	10.38%	10.38%	10.38%	10.38%
15	State Income Tax Allowance	Ln. 12 * Ln. 14	\$16	\$14	\$12	\$10
16	Total Income Tax Allowance	Ln. 10 + Ln. 15	\$62	\$54	\$46	\$40

Appropriate TAPS Revenue Requirement, 1977-1996
(millions \$)

Line No.	Description	Source	1977	1978	1979	1980	1981	1982	1983
1	Operating Expense Excluding Depreciation and DR&R	Exhibit 30, col a	\$242.373	\$450.207	\$395.732	\$455.681	\$465.612	\$467.774	\$455.867
2	Depreciation Expense	Exhibit 22 Ln. 3	\$108.493	\$500.844	\$605.099	\$692.966	\$668.048	\$681.717	\$660.483
3	Amortization of AFUDC	Exhibit 25, Ln 14	\$27	\$121	\$145	\$163	\$158	\$161	\$155
4	Return on Rate Base	Exhibit 31 Ln 3	\$563	\$1,124	\$1,079	\$1,071	\$1,077	\$949	\$742
5	Income Tax Allowance	Exhibit 32 Ln. 16	\$419	\$911	\$850	\$886	\$920	\$825	\$638
6	Total Cost of Service	Sum Lns 1 to 5	\$1,360	\$3,107	\$3,075	\$3,269	\$3,288	\$3,084	\$2,651

Appropriate TAPS Revenue Requirement, 1977-1996
(millions \$)

Line No.	Description	Source	1984	1985	1986	1987	1988	1989	1990
1	Operating Expense Excluding Depreciation and DR&R	Exhibit 30, col a	\$440.939	\$462.037	\$438.168	\$411.118	\$448.977	\$582.207	\$710.403
2	Depreciation Expense	Exhibit 22 Ln. 3	\$641.754	\$542.938	\$514.506	\$503.605	\$458.916	\$395.419	\$335.514
3	Amortization of AFUDC	Exhibit 25, Ln 14	\$150	\$126	\$119	\$115	\$105	\$89	\$73
4	Return on Rate Base	Exhibit 31 Ln 3	\$675	\$551	\$443	\$369	\$307	\$246	\$203
5	Income Tax Allowance	Exhibit 32 Ln. 16	\$597	\$481	\$393	\$253	\$154	\$124	\$102
6	Total Cost of Service	Sum Lns 1 to 5	\$2,505	\$2,164	\$1,908	\$1,652	\$1,473	\$1,436	\$1,423

Appropriate TAPS Revenue Requirement, 1977-1996
(millions \$)

Line No.	Description	Source	1991	1992	1993	1994	1995	1996
1	Operating Expense Excluding Depreciation and DR&R	Exhibit 30, col a	\$658.447	\$716.605	\$752.560	\$889.183	\$667.652	\$601.107
2	Depreciation Expense	Exhibit 22 Ln. 3	\$295.711	\$285.871	\$237.084	\$195.984	\$165.315	\$126.791
3	Amortization of AFUDC	Exhibit 25, Ln 14	\$58	\$54	\$44	\$36	\$29	\$20
4	Return on Rate Base	Exhibit 31 Ln 3	\$176	\$153	\$119	\$103	\$88	\$79
5	Income Tax Allowance	Exhibit 32 Ln. 16	\$87	\$77	\$62	\$54	\$46	\$40
6	Total Cost of Service	Sum Lns 1 to 5	\$1,275	\$1,287	\$1,215	\$1,277	\$996	\$867

Carriers' Position on Capital Structure, 1997-1999

Line No.	Year	Hess		Arco		Exxon		Mobil		ExxonMobil	
		(a) Common Equity	(b) Ownership Percentage	(a) Common Equity	(b) Ownership Percentage	(a) Common Equity	(b) Ownership Percentage	(a) Common Equity	(b) Ownership Percentage	(a) Common Equity	(b) Ownership Percentage
1	1997	60.39%	1.50%	65.34%	22.17%	84.81%	20.31%	80.16%	3.27%	0.00%	0.00%
2	1998	49.95%	1.50%	61.56%	22.17%	89.70%	20.31%	79.52%	3.27%	0.00%	0.00%
3	1999	56.48%	1.50%	60.36%	22.17%	N/A	N/A	87.81%	3.27%	87.81%	20.31%

Carriers' Position on Capital Structure, 1997-1999

Line No.	Year	Phillips		BP		Unocal		Composite
		(a) Common Equity	(b) Ownership Percentage	(a) Common Equity	(b) Ownership Percentage	(a) Common Equity	(b) Ownership Percentage	TAPS Capital Structure
1	1997	56.82%	1.44%	81.39%	49.93%	46.22%	1.39%	77.34%
2	1998	46.15%	1.44%	78.43%	49.93%	41.69%	1.39%	75.62%
3	1999	47.03%	1.44%	78.45%	49.93%	39.42%	1.39%	75.33%

Appropriate AFUDC Additions, 1997-2000
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC
		Property Additions	Transfers to Property	Property Balance									
	1	2	3	4	5	6	7	8	9	10	11	12	13
341	Jan-97	\$2.899101	\$0.212635	\$76.647849	0.3%	\$0	50.5%	\$1.464046	\$0.107381	\$37.350498	13.46%	\$0.418948	\$0.015289
342	Feb-97	\$3.829269	\$0.340958	\$80.136159	0.4%	\$0	50.5%	\$1.933781	\$0.172184	\$38.707164	13.46%	\$0.434165	\$0.025124
343	Mar-97	\$5.577921	\$0.136936	\$85.577144	0.2%	\$0	50.5%	\$2.816850	\$0.069153	\$40.468760	13.46%	\$0.453925	\$0.010127
344	Apr-97	\$4.941123	\$0.207434	\$90.310833	0.2%	\$0	50.5%	\$2.495267	\$0.104754	\$43.216458	13.46%	\$0.484745	\$0.015544
345	May-97	\$7.116876	\$0.288298	\$97.139411	0.3%	\$0	50.5%	\$3.594022	\$0.145591	\$45.606971	13.46%	\$0.511558	\$0.021460
346	Jun-97	\$7.180996	\$0.282613	\$104.037793	0.3%	\$0	50.5%	\$3.626403	\$0.142720	\$49.055402	13.46%	\$0.550238	\$0.020974
347	Jul-97	\$7.792312	\$0.146199	\$111.683906	0.1%	\$0	50.5%	\$3.935118	\$0.073830	\$52.539086	13.46%	\$0.589313	\$0.010813
348	Aug-97	\$4.095979	\$0.000000	\$115.779885	0.0%	\$0	50.5%	\$2.068469	\$0.000000	\$56.400373	13.46%	\$0.632624	\$0.000000
349	Sep-97	\$6.536663	\$2.283662	\$120.032886	1.9%	\$0	50.5%	\$3.301015	\$1.153249	\$58.468842	13.46%	\$0.655826	\$0.177040
350	Oct-97	\$4.304639	\$0.283296	\$124.054230	0.2%	\$0	50.5%	\$2.173843	\$0.143064	\$60.616608	13.46%	\$0.679916	\$0.022696
351	Nov-97	\$4.919018	\$1.579993	\$127.393254	1.2%	\$0	50.5%	\$2.484104	\$0.797897	\$62.647386	13.46%	\$0.702695	\$0.130083
352	Dec-97	\$2.834491	\$100.596793	\$29.630952	77.2%	\$0	50.5%	\$1.431418	\$50.801381	\$64.333594	13.46%	\$0.721608	\$8.644816
353	Jan-98	\$1.173523	\$0.000000	\$30.804475	0.0%	\$0	50.5%	\$0.592629	\$0.000000	\$14.963631	13.01%	\$0.162231	\$0.000000
354	Feb-98	\$1.078999	\$0.000000	\$31.883474	0.0%	\$0	50.5%	\$0.544894	\$0.000000	\$15.556260	13.01%	\$0.168656	\$0.000000
355	Mar-98	\$2.028235	\$0.000000	\$33.911709	0.0%	\$0	50.5%	\$1.024259	\$0.000000	\$16.101154	13.01%	\$0.174563	\$0.000000
356	Apr-98	\$0.439219	(\$1.042638)	\$35.393566	-3.0%	\$0	50.5%	\$0.221806	(\$0.526532)	\$17.125413	13.01%	\$0.185668	(\$0.114532)
357	May-98	\$0.323717	\$0.039848	\$35.677435	0.1%	\$0	50.5%	\$0.163477	\$0.020123	\$17.873751	13.01%	\$0.193781	\$0.004545
358	Jun-98	\$2.864602	\$0.320232	\$38.221805	0.8%	\$0	50.5%	\$1.446624	\$0.161717	\$18.017104	13.01%	\$0.195335	\$0.035418
359	Jul-98	\$4.354180	\$0.000000	\$42.575985	0.0%	\$0	50.5%	\$2.198861	\$0.000000	\$19.302011	13.01%	\$0.209266	\$0.000000
360	Aug-98	\$1.127393	\$0.000000	\$43.703378	0.0%	\$0	50.5%	\$0.569333	\$0.000000	\$21.500872	13.01%	\$0.233105	\$0.000000
361	Sep-98	\$3.593634	\$0.000000	\$47.297012	0.0%	\$0	50.5%	\$1.814785	\$0.000000	\$22.070206	13.01%	\$0.239278	\$0.000000
362	Oct-98	\$2.710088	\$1.602236	\$48.404863	3.2%	\$0	50.5%	\$1.368594	\$0.809129	\$23.884991	13.01%	\$0.258953	\$0.163546
363	Nov-98	\$2.711389	\$0.896299	\$50.219953	1.8%	\$0	50.5%	\$1.369251	\$0.452631	\$24.444456	13.01%	\$0.265019	\$0.091176
364	Dec-98	\$10.150065	\$21.471030	\$38.898988	35.6%	\$0	50.5%	\$5.125783	\$10.842870	\$25.361076	13.01%	\$0.274956	\$1.911179
365	Jan-99	\$0.808833	\$0.000000	\$39.707821	0.0%	\$0	50.5%	\$0.408461	\$0.000000	\$19.643989	14.36%	\$0.235073	\$0.000000
366	Feb-99	\$2.137482	\$0.051179	\$41.794124	0.1%	\$0	50.5%	\$1.079428	\$0.025846	\$20.052450	14.36%	\$0.239961	\$0.004859
367	Mar-99	\$2.014968	\$0.509175	\$43.299917	1.2%	\$0	50.5%	\$1.017559	\$0.257133	\$21.106033	14.36%	\$0.252569	\$0.048903
368	Apr-99	\$1.338505	\$0.000000	\$44.638422	0.0%	\$0	50.5%	\$0.675945	\$0.000000	\$21.866458	14.36%	\$0.261669	\$0.000000
369	May-99	\$2.002943	\$0.000000	\$46.641365	0.0%	\$0	50.5%	\$1.011486	\$0.000000	\$22.542403	14.36%	\$0.269757	\$0.000000
370	Jun-99	\$4.354465	\$0.000000	\$50.995830	0.0%	\$0	50.5%	\$2.199005	\$0.000000	\$23.553889	14.36%	\$0.281862	\$0.000000
371	Jul-99	\$4.427730	\$0.029618	\$55.393942	0.1%	\$0	50.5%	\$2.236004	\$0.014957	\$25.752894	14.36%	\$0.308176	\$0.002792
372	Aug-99	\$2.790398	\$2.006215	\$56.178125	3.4%	\$0	50.5%	\$1.409151	\$1.013139	\$27.973941	14.36%	\$0.334755	\$0.190674
373	Sep-99	\$4.506935	\$4.452553	\$56.232506	7.3%	\$0	50.5%	\$2.276002	\$2.248539	\$28.369953	14.36%	\$0.339494	\$0.416312
374	Oct-99	\$8.376746	\$0.000000	\$64.609252	0.0%	\$0	50.5%	\$4.230257	\$0.000000	\$28.397416	14.36%	\$0.339822	\$0.000000
375	Nov-99	\$5.693005	\$5.152861	\$65.149396	7.3%	\$0	50.5%	\$2.874968	\$2.602195	\$32.627672	14.36%	\$0.390444	\$0.435159
376	Dec-99	\$18.980666	\$40.738810	\$43.391252	48.4%	\$0	50.5%	\$9.585236	\$20.573099	\$32.900445	14.36%	\$0.393709	\$2.853272
377	Jan-00	\$1.736155	\$0.000000	\$45.127407	0.0%	\$0	50.5%	\$0.876758	\$0.000000	\$21.912582	14.75%	\$0.269342	\$0.000000
378	Feb-00	\$1.968606	\$0.000000	\$47.096013	0.0%	\$0	50.5%	\$0.994146	\$0.000000	\$22.789341	14.75%	\$0.280119	\$0.000000

Appropriate AFUDC Additions, 1997-2000
(millions \$)

Line No.	Date	Construction Work in Progress			In-service Ratio	Compounding Additions Equity AFUDC	Equity %	Equity Addn's	Equity Transfers	Equity Base	ROE	Incremental Equity AFUDC	Transfers Equity AFUDC
		Property Additions	Transfers to Property	Property Balance									
	1	2	3	4	5	6	7	8	9	10	11	12	13
379	Mar-00	\$2.198982	\$6.272882	\$43.022113	12.7%	\$0	50.5%	\$1.110486	\$3.167806	\$23.783487	14.75%	\$0.292339	\$0.506744
380	Apr-00	\$1.922147	\$0.000000	\$44.944260	0.0%	\$0	50.5%	\$0.970684	\$0.000000	\$21.726167	14.75%	\$0.267051	\$0.000000
381	May-00	\$4.073904	\$0.000000	\$49.018164	0.0%	\$0	50.5%	\$2.057322	\$0.000000	\$22.696851	14.75%	\$0.278982	\$0.000000
382	Jun-00	\$4.715232	\$0.000000	\$53.733396	0.0%	\$0	50.5%	\$2.381192	\$0.000000	\$24.754173	14.75%	\$0.304270	\$0.000000
383	Jul-00	\$4.715232	\$0.000000	\$58.448628	0.0%	\$0	50.5%	\$2.381192	\$0.000000	\$27.135365	14.75%	\$0.333539	\$0.000000
384	Aug-00	\$4.715232	\$0.000000	\$63.163860	0.0%	\$0	50.5%	\$2.381192	\$0.000000	\$29.516557	14.75%	\$0.362808	\$0.000000
385	Sep-00	\$4.715232	\$0.000000	\$67.879092	0.0%	\$0	50.5%	\$2.381192	\$0.000000	\$31.897749	14.75%	\$0.392077	\$0.000000
386	Oct-00	\$4.715232	\$0.000000	\$72.594324	0.0%	\$0	50.5%	\$2.381192	\$0.000000	\$34.278942	14.75%	\$0.421345	\$0.000000
387	Nov-00	\$4.715232	\$0.000000	\$77.309556	0.0%	\$0	50.5%	\$2.381192	\$0.000000	\$36.660134	14.75%	\$0.450614	\$0.000000
388	Dec-00	\$8.733863	\$55.628420	\$30.415000	64.7%	\$0	50.5%	\$4.410601	\$28.092352	\$39.041326	14.75%	\$0.479883	\$4.253099

SOURCE:

Column 1	Time in months
Column 2	Exhibit 143-RGV-C, TAPS-RGV WP3, Schedule 3
Column 3	Exhibit 143-RGV-C, TAPS-RGV WP3, Schedule 3
Column 4	Exhibit 143-RGV-C, TAPS-RGV WP3, Schedule 3
Column 5	Exhibit 143-RGV-C, TAPS-RGV WP3, Schedule 3
Column 6	Sum (prior six months Col 12) - sumproduct(prior six months Col 12 * prior six months Col 5) [A]
Column 7	Part VI.A.1
Column 8	Col 2 * Col 7
Column 9	(cum Col 8 - cum prior Col 9 + cum Col 6) * Col 5
Column 10	prior (Col 8 - Col 9 + Col 10) + Col 6
Column 11	Part VI.A.3
Column 12	(Col 10 * Col 11)/12
Column 13	prior Col 14 * Col 5 + [B]
Column 14	prior Col 14 + Col 12 - Col 13
Column 15	Sum (prior six months Col 21) - sumproduct(prior six months Col 21 * prior six months Col 5) [A]
Column 16	1.0 - Col 7
Column 17	Col 2 * Col 16
Column 18	(cum Col 17 - cum prior Col 18 + cum Col 15) * Col 5
Column 19	prior (Col 17 - Col 18 + Col 19) + Col 15
Column 20	Part VI.A.2
Column 21	(Col 19 * Col 20) / 12
Column 22	prior Col 23 * Col 5 + [C]
Column 23	prior Col 23 + Col 21 - Col 22

Appropriate AFUDC Additions, 1997-2000
(millions \$)

Line No.	Date	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
	1	14	15	16	17	18	19	20	21	22	23
341	Jan-97	\$5.930018	\$0.000000	49.5%	\$1.435055	\$0.105254	\$36.610885	7.84%	\$0.239191	\$0.009652	\$3.718312
342	Feb-97	\$6.339059	\$0.000000	49.5%	\$1.895488	\$0.168774	\$37.940685	7.84%	\$0.247879	\$0.015753	\$3.950437
343	Mar-97	\$6.782857	\$0.000000	49.5%	\$2.761071	\$0.067783	\$39.667399	7.84%	\$0.259160	\$0.006311	\$4.203287
344	Apr-97	\$7.252057	\$0.000000	49.5%	\$2.445856	\$0.102680	\$42.360686	7.84%	\$0.276756	\$0.009632	\$4.470411
345	May-97	\$7.742156	\$0.000000	49.5%	\$3.522854	\$0.142708	\$44.703862	7.84%	\$0.292065	\$0.013228	\$4.749248
346	Jun-97	\$8.271420	\$0.000000	49.5%	\$3.554593	\$0.139894	\$48.084008	7.84%	\$0.314149	\$0.012866	\$5.050530
347	Jul-97	\$8.849920	\$0.000000	49.5%	\$3.857194	\$0.072368	\$51.498708	7.84%	\$0.336458	\$0.006603	\$5.380386
348	Aug-97	\$9.482544	\$0.000000	49.5%	\$2.027510	\$0.000000	\$55.283534	7.84%	\$0.361186	\$0.000000	\$5.741572
349	Sep-97	\$9.961329	\$0.000000	49.5%	\$3.235648	\$1.130413	\$57.311043	7.84%	\$0.374432	\$0.107196	\$6.008808
350	Oct-97	\$10.618549	\$0.000000	49.5%	\$2.130796	\$0.140231	\$59.416279	7.84%	\$0.388186	\$0.013691	\$6.383304
351	Nov-97	\$11.191161	\$0.000000	49.5%	\$2.434914	\$0.782097	\$61.406844	7.84%	\$0.401191	\$0.078199	\$6.706296
352	Dec-97	\$3.267953	\$0.000000	49.5%	\$1.403073	\$49.795413	\$63.059661	7.84%	\$0.411990	\$5.180400	\$1.937885
353	Jan-98	\$3.430184	\$0.000000	49.5%	\$0.580894	\$0.000000	\$14.667321	7.84%	\$0.095826	\$0.000000	\$2.033712
354	Feb-98	\$3.598840	\$0.000000	49.5%	\$0.534105	\$0.000000	\$15.248215	7.84%	\$0.099622	\$0.000000	\$2.133333
355	Mar-98	\$3.773403	\$0.000000	49.5%	\$1.003976	\$0.000000	\$15.782320	7.84%	\$0.103111	\$0.000000	\$2.236445
356	Apr-98	\$4.073604	\$0.000000	49.5%	\$0.217413	(\$0.516106)	\$16.786296	7.84%	\$0.109670	(\$0.067882)	\$2.413997
357	May-98	\$4.262840	\$0.000000	49.5%	\$0.160240	\$0.019725	\$17.519815	7.84%	\$0.114463	\$0.002693	\$2.525766
358	Jun-98	\$4.422757	\$0.000000	49.5%	\$1.417978	\$0.158515	\$17.660330	7.84%	\$0.115381	\$0.020986	\$2.620162
359	Jul-98	\$4.632023	\$0.000000	49.5%	\$2.155319	\$0.000000	\$18.919793	7.84%	\$0.123609	\$0.000000	\$2.743771
360	Aug-98	\$4.865128	\$0.000000	49.5%	\$0.558060	\$0.000000	\$21.075112	7.84%	\$0.137691	\$0.000000	\$2.881462
361	Sep-98	\$5.104406	\$0.000000	49.5%	\$1.778849	\$0.000000	\$21.633172	7.84%	\$0.141337	\$0.000000	\$3.022798
362	Oct-98	\$5.199813	\$0.000000	49.5%	\$1.341494	\$0.793107	\$23.412021	7.84%	\$0.152959	\$0.096851	\$3.078906
363	Nov-98	\$5.373656	\$0.000000	49.5%	\$1.342138	\$0.443668	\$23.960407	7.84%	\$0.156541	\$0.053987	\$3.181460
364	Dec-98	\$3.737433	\$0.000000	49.5%	\$5.024282	\$10.628160	\$24.858877	7.84%	\$0.162411	\$1.131509	\$2.212362
365	Jan-99	\$3.972506	\$0.000000	49.5%	\$0.400372	\$0.000000	\$19.254999	7.84%	\$0.125799	\$0.000000	\$2.338162
366	Feb-99	\$4.207608	\$0.000000	49.5%	\$1.058054	\$0.025334	\$19.655371	7.84%	\$0.128415	\$0.002860	\$2.463717
367	Mar-99	\$4.411274	\$0.000000	49.5%	\$0.997409	\$0.252041	\$20.688091	7.84%	\$0.135162	\$0.028635	\$2.570244
368	Apr-99	\$4.672942	\$0.000000	49.5%	\$0.662560	\$0.000000	\$21.433459	7.84%	\$0.140032	\$0.000000	\$2.710276
369	May-99	\$4.942700	\$0.000000	49.5%	\$0.991457	\$0.000000	\$22.096019	7.84%	\$0.144361	\$0.000000	\$2.854637
370	Jun-99	\$5.224561	\$0.000000	49.5%	\$2.155460	\$0.000000	\$23.087476	7.84%	\$0.150838	\$0.000000	\$3.005475
371	Jul-99	\$5.529946	\$0.000000	49.5%	\$2.191726	\$0.014661	\$25.242936	7.84%	\$0.164921	\$0.001606	\$3.168790
372	Aug-99	\$5.674026	\$0.000000	49.5%	\$1.381247	\$0.993077	\$27.420001	7.84%	\$0.179144	\$0.109261	\$3.238673
373	Sep-99	\$5.597208	\$0.000000	49.5%	\$2.230933	\$2.204014	\$27.808172	7.84%	\$0.181680	\$0.237626	\$3.182727
374	Oct-99	\$5.937031	\$0.000000	49.5%	\$4.146489	\$0.000000	\$27.835091	7.84%	\$0.181856	\$0.000000	\$3.364582
375	Nov-99	\$5.892316	\$0.000000	49.5%	\$2.818037	\$2.550666	\$31.981580	7.84%	\$0.208946	\$0.246610	\$3.326919
376	Dec-99	\$3.432753	\$0.000000	49.5%	\$9.395430	\$20.165711	\$32.248951	7.84%	\$0.210693	\$1.611014	\$1.926598
377	Jan-00	\$3.702095	\$0.000000	49.5%	\$0.859397	\$0.000000	\$21.478670	7.84%	\$0.140327	\$0.000000	\$2.066925
378	Feb-00	\$3.982214	\$0.000000	49.5%	\$0.974460	\$0.000000	\$22.338067	7.84%	\$0.145942	\$0.000000	\$2.212867

Appropriate AFUDC Additions, 1997-2000
(millions \$)

Line No.	Date	Equity AFUDC Balance	Compounding Additions Debt AFUDC	Debt %	Debt Addn's	Debt Transfers	Debt Base	COD	Incremental Debt AFUDC	Transfers Debt AFUDC	Debt AFUDC Balance
	1	14	15	16	17	18	19	20	21	22	23
379	Mar-00	\$3.767808	\$0.000000	49.5%	\$1.088496	\$3.105077	\$23.312527	7.84%	\$0.152309	\$0.281592	\$2.083584
380	Apr-00	\$4.034859	\$0.000000	49.5%	\$0.951463	\$0.000000	\$21.295946	7.84%	\$0.139134	\$0.000000	\$2.222718
381	May-00	\$4.313841	\$0.000000	49.5%	\$2.016582	\$0.000000	\$22.247409	7.84%	\$0.145350	\$0.000000	\$2.368068
382	Jun-00	\$4.618111	\$0.000000	49.5%	\$2.334040	\$0.000000	\$24.263991	7.84%	\$0.158525	\$0.000000	\$2.526592
383	Jul-00	\$4.951650	\$0.000000	49.5%	\$2.334040	\$0.000000	\$26.598031	7.84%	\$0.173774	\$0.000000	\$2.700366
384	Aug-00	\$5.314458	\$0.000000	49.5%	\$2.334040	\$0.000000	\$28.932071	7.84%	\$0.189023	\$0.000000	\$2.889389
385	Sep-00	\$5.706534	\$0.000000	49.5%	\$2.334040	\$0.000000	\$31.266111	7.84%	\$0.204272	\$0.000000	\$3.093661
386	Oct-00	\$6.127879	\$0.000000	49.5%	\$2.334040	\$0.000000	\$33.600151	7.84%	\$0.219521	\$0.000000	\$3.313182
387	Nov-00	\$6.578494	\$0.000000	49.5%	\$2.334040	\$0.000000	\$35.934190	7.84%	\$0.234770	\$0.000000	\$3.547952
388	Dec-00	\$2.805277	\$0.000000	49.5%	\$4.323262	\$27.536068	\$38.268230	7.84%	\$0.250019	\$2.293807	\$1.504164

Appropriate Depreciation Charges, 1997-2000
(millions \$)

Line No.	Description	Source	1997	1998	1999	2000
1	Net Depreciable Property In Service, BOY 1/	Prior Line 11	\$606.511872	\$685.123043	\$675.332318	\$689.627199
2	Grand Total, New Construction Expenditures	Part VI.B.1, Table, Ln. 2	\$61.176000	\$30.324000	\$95.277000	\$44.757000
3	Additions to Capitalized Interest	Part VI.B.1, Table, Ln. 9 - Prior Ln. 9	(\$0.007000)	(\$0.002000)	(\$0.004000)	\$0.000000
4	Transfers to Depreciable Property from CWIP 2/	Part VI.B.1, Table, Ln. 7 - Prior Ln. 7	\$44.290000	(\$9.278000)	(\$4.250000)	\$12.823000
5	Total Additions to Depreciable Property in Service	Lns. (2 - 3 + 4)	\$105.473000	\$21.048000	\$91.031000	\$57.580000
6	Depreciation Basis	Lns. 1 + 5	\$711.984872	\$706.171043	\$766.363318	\$747.207199
7	Composit Depreciation Factor	Part VI.B.1	0.033333333	0.034482759	0.035714286	0.037037037
8	Depreciation	Lns. 7 * 6	\$23.732829	\$24.350726	\$27.370118	\$27.674341
9	Retirements	Part VI.B.1, Table, Ln. 4	(\$3.115000)	(\$6.458000)	(\$49.053000)	(\$44.737000)
10	Adjustments	Part VI.B.1, Table, Ln. 5	(\$0.014000)	(\$0.030000)	(\$0.313000)	\$0.000000
11	Net Depreciable Property In Service, EOY	Lns. (6 - 8 + 9 + 10)	\$685.123043	\$675.332318	\$689.627199	\$674.795859

1/ For 1997, Exhibit 24, Ln 5 - Ln 7

2/ For 1997, Part VI.B.1. Table, Ln 7 - Exhibit 8, Ln. 8

Appropriate Amortization of AFUDC, 1997-2000
(millions \$)

Line No.	Description	Source	1997	1998	1999	2000
1	Amortization Factor	Part VI.B.3.c	3.33%	3.45%	3.57%	3.70%
2	Net Equity AFUDC - BOY 1/	Prior Ln. 5	\$71.553625	\$77.959339	\$77.290303	\$78.340764
3	Equity AFUDC Additions	Exhibit 35, Col. 13	\$9.093966	\$2.091332	\$3.951971	\$4.759844
4	Current Period Equity AFUDC Amortization	(Ln.2 + Ln.3) * Ln.1	\$2.688253	\$2.760368	\$2.901510	\$3.077800
5	Net Equity AFUDC - EOY	Lns.(2+3-4)	\$77.959339	\$77.290303	\$78.340764	\$80.022808
6	Accumulated Equity AFUDC Additions 1/	Ln. 3 + Prior Ln. 6	\$1,576.896714	\$1,578.988046	\$1,582.940017	\$1,587.699861
7	Accumulated Equity AFUDC Amortization 1/	Ln. 4 + Prior Ln. 7	\$1,498.937375	\$1,501.697743	\$1,504.599253	\$1,507.677053
8	Net Debt AFUDC - BOY 1/	Prior Ln. 11	\$24.112478	\$28.580477	\$28.790393	\$29.919861
9	Debt AFUDC Additions	Exhibit 35, Col. 22	\$5.453532	\$1.238144	\$2.237612	\$2.575398
10	Current Period Debt AFUDC Amortization	(Ln. 8 + Ln. 9) * Ln.1	\$0.985534	\$1.028228	\$1.108143	\$1.203528
11	Net Debt AFUDC - EOY	Lns. (8 + 9 - 10)	\$28.580477	\$28.790393	\$29.919861	\$31.291731
12	Accumulated Debt AFUDC Additions 1/	Ln. 9 + Prior Ln. 12	\$478.571569	\$479.809714	\$482.047325	\$484.622723
13	Accumulated Debt AFUDC Amortization 1/	Ln. 10 + Prior Ln. 13	\$449.991093	\$451.019321	\$452.127464	\$453.330992
14	Annual AFUDC Amortization	Ln. 4 + Ln. 10	\$3.673787	\$3.788596	\$4.009653	\$4.281328

1/ 1997 BOY balance from corresponding line, Exhibit 25

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

Line No.	Description	Source	1997	1998	1999	2000
1	Property Account - Grand Total - Credits for Retirements	Exhibit 8, Ln. 5	(\$3.12)	(\$6.46)	(\$2.63)	(\$6.57)
2	Depreciation Account - Grand Total - Retirements	FERC Form 6 - From 143-RGV-C, TAPS-RGV WP3, Sch. 12	(3.08)	(6.38)	(2.58)	(5.36)
3	Depreciation Account - Adjusted Retirements	Year's worksheet	(3.11)	(6.44)	(2.63)	(6.55)

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

Line No.	Description	Source	1977	1978	1979	1980	1981	1982	1983	1984
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)	\$9,075.01	\$9,248.94	\$9,328.41	\$9,439.73	\$9,485.10	\$9,521.27	\$9,580.77	\$9,613.04
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10	\$1,215.57	\$1,215.57	\$1,215.57	\$1,215.57	\$1,215.11	\$1,215.11	\$1,215.11	\$1,214.31
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2	\$7,859.44	\$8,033.37	\$8,112.84	\$8,224.16	\$8,269.99	\$8,306.16	\$8,365.66	\$8,398.73
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1	\$108	\$501	\$605	\$693	\$668	\$682	\$660	\$642
5	Gross Accumulated Depreciation	Cumulative sum, Ln. 4	\$108	\$609	\$1,214	\$1,907	\$2,575	\$3,257	\$3,918	\$4,559
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); 31-BWF-E, Ln. 14 after	1.38%	6.32%	8.06%	9.89%	10.50%	11.90%	12.93%	14.32%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	98.62%	92.39%	84.94%	76.54%	68.50%	60.35%	52.55%	45.03%

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

Line No.	Description	Source	1985	1986	1987	1988	1989	1990	1991	1992
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)	\$9,628.07	\$9,645.07	\$9,660.89	\$9,657.85	\$9,689.22	\$9,765.45	\$9,915.04	\$9,968.82
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10	\$1,214.06	\$1,214.01	\$1,213.86	\$1,213.81	\$1,213.80	\$1,213.80	\$1,213.55	\$1,213.52
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2	\$8,414.01	\$8,431.06	\$8,447.03	\$8,444.04	\$8,475.41	\$8,551.66	\$8,701.49	\$8,755.30
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1	\$543	\$515	\$504	\$459	\$395	\$336	\$296	\$286
5	Gross Accumulated Depreciation	Cumulative sum, Ln. 4	\$5,102	\$5,617	\$6,120	\$6,579	\$6,975	\$7,310	\$7,606	\$7,892
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); 31-BWF-E, Ln. 14 after	14.09%	15.46%	17.79%	19.75%	20.85%	21.28%	21.26%	24.87%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	38.68%	32.70%	26.88%	21.57%	17.08%	13.44%	10.58%	7.95%

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

Line No.	Description	Source	1993	1994	1995	1996	1997	1998	1999
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)	\$10,003.62	\$10,036.68	\$10,069.13	\$10,063.31	\$10,165.66	\$10,180.24	\$10,223.96
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10	\$1,213.52	\$1,213.51	\$1,213.50	\$1,204.65	\$1,204.64	\$1,204.64	\$1,204.64
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2	\$8,790.11	\$8,823.18	\$8,855.63	\$8,858.66	\$8,961.02	\$8,975.60	\$9,019.33
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1	\$237	\$196	\$165	\$127	\$82	\$50	\$49
5	Gross Accumulated Depreciation	Cumulative sum, Ln. 4	\$8,129	\$8,325	\$8,490	\$8,617	\$8,699	\$8,748	\$8,797
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); 31-BWF-E, Ln. 14 after	26.39%	28.23%	31.15%	34.42%	23.70%	17.87%	17.92%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	5.85%	4.20%	2.89%	1.90%	1.45%	1.19%	0.98%

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

Line No.	Description	Source	2000	2001	2002	2003	2004	2005	2006
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)	\$10,280.94						
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10	\$1,204.64						
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2	\$9,076.31						
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1	\$56						
5	Gross Accumulated Depreciation	Cumulative sum, Ln. 4	\$8,853						
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); 31-BWF-E, Ln. 14 after	20.19%	14.7448%	16.1863%	17.0635%	18.8198%	21.4145%	25.2500%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	0.78%	0.66%	0.56%	0.46%	0.37%	0.29%	0.22%

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

Line No.	Description	Source	2007	2008	2009	2010	2011
1	Gross Depreciable Property EOY	Exhibit 8, Lns (9-8-7)					
2	Capitalized Interest - EOY	Exhibit 8, Ln. 10					
3	Depreciable Property Net Capitalized Interest	Lns. 1 - 2					
4	Depreciation Expense (Net Capitalized Interest)	Exhibit 22, Ln. 1					
5	Gross Accumulated Depreciation	Cumulative sum, ln. 4					
6	Composite Depreciation Rate (Net basis, unadjusted)	To 2000, Ln. 4/(Lns. 3+4-5); 31-BWF-E, Ln. 14 after	29.0970%	35.3774%	42.3358%	54.4304%	100.0000%
7	TSM Basis Cumulative "Undepreciated Property Factor" to date	Prior Ln. 7 - Lns. (6 * 7)	0.16%	0.10%	0.06%	0.03%	0.00%

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrges to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if a>b, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	1,684	1,684	100.00%	2011	0.000%	1684.000
1978	50	49	98.00%	2010	0.026%	49.987
1979	9	9	100.00%	2011	0.000%	9.000
1980	259	259	100.00%	2011	0.000%	259.000
1981	4	4	100.00%	2011	0.000%	4.000
1982	64	64	100.00%	2011	0.000%	64.000
1983	54	54	100.00%	2011	0.000%	54.000
1984						
1985	151	151	100.00%	2011	0.000%	151.000
1986	45	45	100.00%	2011	0.000%	45.000
1987	11	11	100.00%	2011	0.000%	11.000
1988	29	29	100.00%	2011	0.000%	29.000
1989	147	138	93.88%	2009	0.058%	146.915
1990	82	80	97.56%	2010	0.026%	81.978
1991	95	90	94.74%	2009	0.058%	94.945
1992	212	208	98.11%	2010	0.026%	211.944
1993	41	41	100.00%	2011	0.000%	41.000
1994	13	13	100.00%	2011	0.000%	13.000
1995	165	152	92.12%	2008	0.101%	164.834
1996						
1997						
1998						
1999						
2000						
Total	3,115	3,081				3,115

Weighted Average Vintage 1982

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrages to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if a>b, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977						
1978						
1979						
1980						
1981	6	6	100.00%	2011	0.000%	6.000
1982	17	17	100.00%	2011	0.000%	17.000
1983	70	70	100.00%	2011	0.000%	70.000
1984	56	56	100.00%	2011	0.000%	56.000
1985	14	14	100.00%	2011	0.000%	14.000
1986	127	127	100.00%	2011	0.000%	127.000
1987	14	14	100.00%	2011	0.000%	14.000
1988	3	3	100.00%	2011	0.000%	3.000
1989	353	351	99.43%	2011	0.000%	353.000
1990	199	176	88.44%	2007	0.156%	198.690
1991	1,504	1,493	99.27%	2011	0.000%	1504.000
1992	1,518	1,505	99.14%	2011	0.000%	1518.000
1993	1,358	1,358	100.00%	2011	0.000%	1358.000
1994	490	473	96.53%	2010	0.026%	489.870
1995	50	50	100.00%	2011	0.000%	50.000
1996	339	339	100.00%	2011	0.000%	339.000
1997	75	62				62.000
1998	265	265				265.000
1999						
2000						
Total	6,458	6,379				6,445

Weighted Average Vintage 1992

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrages to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if a>b, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1977	875	875	100.00%	2011	0.00%	875.000
1978						
1979						
1980	43	37	86.05%	2006	0.22%	42.905
1981						
1982	74	51	68.92%	2000	0.78%	73.424
1983						
1984	536	537	100.00%	2011	0.00%	537.000
1985	29	28	96.55%	2010	0.03%	28.992
1986						
1987	6	7	100.00%	2011	0.00%	7.000
1988	13	13	100.00%	2011	0.00%	13.000
1989	43	43	100.00%	2011	0.00%	43.000
1990	197	193	97.97%	2010	0.03%	196.948
1991	221	206	93.21%	2009	0.06%	220.872
1992	277	277	100.00%	2011	0.00%	277.000
1993	234	235	100.00%	2011	0.00%	235.000
1994	64	60	93.75%	2009	0.06%	63.963
1995	16	16	100.00%	2011	0.00%	16.000
1996						
1997						
1998						
1999						
2000						
Total	2,628	2,578				2,630

Weighted Average Vintage 1985

Appropriate Retirements from Accumulated Depreciaton, 1997-2000
(millions)

	a	b	c	d	e	f
Retirements by Vintage Year	Credits to Property	Charges to Accrued Depreciation	Useful life as proportion of Inferred Expected Life	Year of retirement, assuming normalized 34.5 year life	Adjusted Undepreciated Property As Percentage of Property Retired	Adjusted Chrages to Accrued Depreciation
	FERC Form 6	FERC Form 6	b/a	if a>b, 2011, else c*34 + 1977	lookup ln. 7 from Sch. 2, given d	a*(1-e)
1975						
1976	4.302	3.472	0.807	2004	0.375%	4.286
1977	170.485	151.816	0.890	2007	0.156%	170.219
1978						
1979	205.924	180.924	0.879	2007	0.156%	205.603
1980	51.455	51.289	0.997	2011	0.000%	51.455
1981						
1982	231.780	200.532	0.865	2006	0.220%	231.270
1983	34.809	34.062	0.979	2010	0.026%	34.800
1984	781.323	662.837	0.848	2006	0.220%	779.604
1985	6.910	4.337	0.628	1998	1.189%	6.828
1986						
1987	41.470	37.094	0.894	2007	0.156%	41.405
1988	194.439	165.066	0.849	2006	0.220%	194.011
1989	279.847	237.500	0.849	2006	0.220%	279.231
1990	1983.767	1480.444	0.746	2002	0.556%	1972.730
1991	1258.791	1053.601	0.837	2005	0.294%	1255.086
1992	354.819	269.151	0.759	2003	0.461%	353.182
1993	793.397	661.024	0.833	2005	0.294%	791.062
1994	162.984	160.332	0.984	2010	0.026%	162.941
1995	46.725	46.538	0.996	2011	0.000%	46.725
1996	145.432	116.835	0.803	2004	0.375%	144.887
1997						
1998						
1999						
2000						
Total	6,574	5,362				6,551

Weighted Average Vintage 1989

Appropriate State Tax Depreciation, 1997-2000

(millions \$)

State Tax Depreciation ²					21	22	23	24
Year					1997	1998	1999	2000
					-----	-----	-----	-----
Depreciation Factors - (1977)					0.00%	0.00%	0.00%	0.00%
Depreciation Factors - (1978)					0.00%	0.00%	0.00%	0.00%
Depreciation Factors - (1979)					0.00%	0.00%	0.00%	0.00%
Depreciation Factors - (1980)					0.00%	0.00%	0.00%	0.00%
Depreciation Factors - (1981)					0.00%	0.00%	0.00%	0.00%
Depreciation Factors - (1982-present)					0.00%	0.00%	0.00%	0.00%
Year								
Property Additions (a)								
AFUDC Additions (b)								
Tax Basis for Depreciation (c)								
Exhibit 8 and Part VI.B.1, col c - cols (a+b) ¹								
Exhibits 21 and 35, col 22								
(a) + (b)								
1977	1	\$7,888.922995	\$0.649170	\$7,889.572165	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1978	2	\$112.175000	\$4.405407	\$116.580407	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1979	3	\$96.610000	\$2.175618	\$98.785618	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1980	4	\$123.421000	\$4.239075	\$127.660075	\$0.783961	\$0.000000	\$0.000000	\$0.000000
1981	5	\$49.180000	\$4.883692	\$54.063692	\$0.663956	\$0.332005	\$0.000000	\$0.000000
1982	6	\$60.335000	\$4.805775	\$65.140775	\$1.199958	\$0.799994	\$0.399964	\$0.000000
1983	7	\$84.072000	\$3.309559	\$87.381559	\$2.146266	\$1.609656	\$1.073133	\$0.536523
1984	8	\$50.841000	\$1.748567	\$52.589567	\$1.614605	\$1.291705	\$0.968752	\$0.645852
1985	9	\$28.867000	\$0.315518	\$29.182518	\$1.075172	\$0.895962	\$0.716781	\$0.537571
1986	10	\$20.045000	\$0.199332	\$20.244332	\$0.870162	\$0.745862	\$0.621541	\$0.497241
1987	11	\$32.530000	\$0.308453	\$32.838453	\$1.613156	\$1.411495	\$1.209867	\$1.008206
1988	12	\$9.947000	\$0.112255	\$10.059255	\$0.555915	\$0.494151	\$0.432377	\$0.370613
1989	13	\$36.586000	\$0.459883	\$37.045883	\$2.274802	\$2.047304	\$1.819842	\$1.592343
1990	14	\$80.845000	\$1.104859	\$81.949859	\$5.535303	\$5.032131	\$4.528877	\$4.025705
1991	15	\$202.510000	\$3.584536	\$206.094536	\$15.186076	\$13.920655	\$12.655235	\$11.389608
1992	16	\$69.470000	\$2.535052	\$72.005052	\$5.747875	\$5.305692	\$4.863581	\$4.421470
1993	17	\$45.801000	\$1.567387	\$47.368387	\$4.072071	\$3.781229	\$3.490340	\$3.199498
1994	18	\$43.384000	\$1.392469	\$44.776469	\$4.124226	\$3.849254	\$3.574326	\$3.299354
1995	19	\$35.960000	\$1.269024	\$37.229024	\$3.657640	\$3.429054	\$3.200430	\$2.971844
1996	20	\$28.554000	\$1.134040	\$29.688040	\$3.199035	\$2.916761	\$2.734476	\$2.552162
1997	21	\$105.466000	\$5.453532	\$110.919532	\$6.338275	\$11.952134	\$10.897511	\$10.216465
1998	22	\$21.016000	\$1.238144	\$22.254144	\$0.000000	\$1.271669	\$2.397995	\$2.186403
1999	23	\$46.445000	\$2.237612	\$48.682612	\$0.000000	\$0.000000	\$2.781870	\$5.245795
2000	24	\$57.580000	\$2.575398	\$60.155398	\$0.000000	\$0.000000	\$0.000000	\$3.437460
Total State Tax Depreciation					\$60.658453	\$61.086712	\$58.366901	\$58.134115

¹ For 1977, Exhibit 8, col c - cols (a+b+e)² Depreciation factors for earlier years are at Exhibit 26

Appropriate Federal Tax Depreciation
(millions \$)

Federal Tax Depreciation ²					Year	21 1997	22 1998	23 1999	24 2000
Depreciation Factors - (1977-1980)						0.00%	0.00%	0.00%	0.00%
Depreciation Factors - (1981-1986)						0.00%	0.00%	0.00%	0.00%
Depreciation Factors - (1987-Present)						0.00%	0.00%	0.00%	0.00%
Year	Property Addition (a) Exhibit 8 and Part VI.B.1, col c - cols (a+b) ¹	AFUDC Addition (b) Exhibits 21 and 35, col 22	TEFRA Adjustment (c) Exhibit 40	Tax Basis for Depreciation (d) (a) + (b) - (c)					
1977	1	\$7,888.922995	\$0.649170	\$0.000000	\$7,889.572165	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1978	2	\$112.175000	\$4.405407	\$0.000000	\$116.580407	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1979	3	\$96.610000	\$2.175618	\$0.000000	\$98.785618	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1980	4	\$123.421000	\$4.239075	\$0.000000	\$127.660075	\$0.783961	\$0.000000	\$0.000000	\$0.000000
1981	5	\$49.180000	\$4.883692	\$0.000000	\$54.063692	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1982	6	\$60.335000	\$4.805775	\$0.000000	\$65.140775	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1983	7	\$84.072000	\$3.309559	\$4.369078	\$83.012481	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1984	8	\$50.841000	\$1.748567	\$2.629478	\$49.960088	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1985	9	\$28.867000	\$0.315518	\$1.459126	\$27.723392	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1986	10	\$20.045000	\$0.199332	\$0.000000	\$20.244332	\$0.000000	\$0.000000	\$0.000000	\$0.000000
1987	11	\$32.530000	\$0.308453	\$0.000000	\$32.838453	\$1.939078	\$1.939078	\$1.939078	\$1.939078
1988	12	\$9.947000	\$0.112255	\$0.000000	\$10.059255	\$0.593989	\$0.593989	\$0.593989	\$0.593989
1989	13	\$36.586000	\$0.459883	\$0.000000	\$37.045883	\$2.187522	\$2.187522	\$2.187522	\$2.187522
1990	14	\$80.845000	\$1.104859	\$0.000000	\$81.949859	\$4.839057	\$4.839057	\$4.839057	\$4.839057
1991	15	\$202.510000	\$3.584536	\$0.000000	\$206.094536	\$12.169676	\$12.169676	\$12.169676	\$12.169676
1992	16	\$69.470000	\$2.535052	\$0.000000	\$72.005052	\$4.488039	\$4.251826	\$4.251826	\$4.251826
1993	17	\$45.801000	\$1.567387	\$0.000000	\$47.368387	\$3.280498	\$2.952448	\$2.797056	\$2.797056
1994	18	\$43.384000	\$1.392469	\$0.000000	\$44.776469	\$3.445549	\$3.100994	\$2.790895	\$2.644006
1995	19	\$35.960000	\$1.269024	\$0.000000	\$37.229024	\$3.183082	\$2.864773	\$2.578296	\$2.320466
1996	20	\$28.554000	\$1.134040	\$0.000000	\$29.688040	\$2.820364	\$2.538327	\$2.284495	\$2.056045
1997	21	\$105.466000	\$5.453532	\$0.000000	\$110.919532	\$5.545977	\$10.537356	\$9.483620	\$8.535258
1998	22	\$21.016000	\$1.238144	\$0.000000	\$22.254144	\$0.000000	\$1.112707	\$2.114144	\$1.902729
1999	23	\$46.445000	\$2.237612	\$0.000000	\$48.682612	\$0.000000	\$0.000000	\$2.434131	\$4.624848
2000	24	\$57.580000	\$2.575398	\$0.000000	\$60.155398	\$0.000000	\$0.000000	\$0.000000	\$3.007770
Total Federal Tax Depreciation						\$45.276791	\$49.087755	\$50.463785	\$53.869327

¹ For 1977, Exhibit 8, col c - cols (a+b+e)² Depreciation factors for earlier years are at Exhibit 26

Appropriate TEFRA Adjustment to Rates, 1997-2000
(millions \$)

Line No.	Description	Source	1997	1998	1999	2000
1	Tax Depreciation Basis before TEFRA Adjustment	Exhibit 39, Schedule 1	\$110.919532	\$22.254144	\$48.682612	\$60.155398
2	Tax Depreciation Basis Reduction	143-RGV-C, TAPS-RGV WP3, Sch. 9	0.00%	0.00%	0.00%	0.00%
3	TEFRA Adjustment	Ln. 1 * Ln. 2	\$0.000000	\$0.000000	\$0.000000	\$0.000000
4	TEFRA Adjustment Balance (BOY) 1/	Ln. 3 + Prior Ln. 7	\$0.616108	\$0.595572	\$0.575035	\$0.554498
5	Amortization Factor	Part VI.B.3.b	3.33%	3.45%	3.57%	3.70%
6	Amortization of TEFRA Adjustment	Ln. 4 * Ln. 5	\$0.0205369	\$0.0205369	\$0.020537	\$0.020537
7	TEFRA Adjustment Balance (EOY)	Ln. 4 - Ln. 6	\$0.595572	\$0.575035	\$0.554498	\$0.533961

1/ For 1997, BOY balance from Ln. 4, Exhibit 27

Appropriate ADIT Balances, 1997-2000
(millions \$)

Line No.	Description	Source	1997	1998	1999	2000
1	Regulatory Depreciation Incl. Amortization of Debt AFUDC	Exh. 36 Ln.8+Exh. 37 Ln.10	\$24.718363	\$25.378954	\$28.478262	\$28.877869
2	State Tax Depreciation	Exhibit 39, Schedule 1	\$60.658453	\$61.086712	\$58.366901	\$58.134115
3	State Tax Timing Differences	Ln. 2 - Ln. 1	\$35.940091	\$35.707758	\$29.888640	\$29.256246
4	State Income Tax Rate	AK Stat.	\$0.094000	\$0.094000	\$0.094000	\$0.094000
5	State Tax Effect	Ln. 3 * Ln. 4	\$3.378369	\$3.356529	\$2.809532	\$2.750087
6	State ADIT Balance 1/	Ln. 5 + Prior Ln. 6	\$19.184881	\$22.541410	\$25.350942	\$28.101029
7	Regulatory Depreciation Incl. Amortization of Debt AFUDC	Ln.1	\$24.718363	\$25.378954	\$28.478262	\$28.877869
8	Depreciation of TEFRA Adjustment	Exhibit 40, Ln. 6	\$0.020537	\$0.020537	\$0.020537	\$0.020537
9	Regulatory Depreciation after TEFRA Adjustment	Ln. 7 - Ln. 8	\$24.697826	\$25.358417	\$28.457725	\$28.857332
10	Federal Tax Depreciation	Exhibit 39, Schedule 2	\$45.276791	\$49.087755	\$50.463785	\$53.869327
11	Tax Effect of State Timing Differences	Ln. 5	\$3.378369	\$3.356529	\$2.809532	\$2.750087
12	Total Federal Tax Deductions	Ln. 10 - Ln.11	\$41.898422	\$45.731225	\$47.654253	\$51.119240
13	Federal Tax Timing Differences	Ln.12 - Ln. 9	\$17.200597	\$20.372808	\$19.196528	\$22.261908
14	Federal Income Tax Rate	IRC	35.00%	35.00%	35.00%	35.00%
15	Federal Tax Effect	Ln. 13 * Ln. 14	\$6.020209	\$7.130483	\$6.718785	\$7.791668
16	FASB 96/109 Adjustment	Cum. Ln 13 * Change in Ln 14	\$0.000000	\$0.000000	\$0.000000	\$0.000000
17	Amortization Basis for FASB 96/109 Adjustment 1/	Lns(Prior 17 + 16 - Prior 18)	\$13.424545	\$12.977061	\$12.529576	\$12.082091
18	Amortization of FASB 96/109 Adjustment	Ln. 17 * Depreciation Factors, Part VI.B.3.b	\$0.447485	\$0.447485	\$0.447485	\$0.447485
19	Federal ADIT Balance 1/	Prior Ln.19 + Ln.15 - Ln.18	\$78.928053	\$85.611051	\$91.882351	\$99.226534
20	Total State And Federal ADIT Balances	Ln. 6 + Ln. 19	\$98.112934	\$108.152461	\$117.233293	\$127.327563

¹ For prior to 1997 see corresponding line, Exhibit 28

Appropriate Rate Base, 1997-2000
(millions \$)

Line No.	Description	Source	1997	1998	1999	2000
1	Gross Carrier Property - BOY	Prior Ln. 10	\$10,992.972780	\$11,065.574278	\$11,092.741755	\$11,144.846337
2	Gross Carrier Property Additions	Part IV.B.1, Table, Ln. 3	\$61.176000	\$30.324000	\$95.277000	\$44.757000
3	Less Additions to Capitalized Interest	Part IV.B.1, Table, [Ln. 10 - Prior Ln. 10]	(\$0.007000)	(\$0.002000)	(\$0.004000)	\$0.000000
4	Gross Carrier Property Additions, Net IDC	Ln. 2 - Ln. 3	\$61.183000	\$30.326000	\$95.281000	\$44.757000
5	Acquisitions of Carrier Property in Service	Part IV.B.1, Table, Ln. 4	\$0.000000	\$0.000000	\$0.000000	\$0.000000
6	Retirements of CPIS	Part IV.B.1, Table, Ln. 5	(\$3.115000)	(\$6.458000)	(\$49.053000)	(\$44.737000)
7	Adjustments to CPIS	Part IV.B.1, Table, Ln. 6	(\$0.014000)	(\$0.030000)	(\$0.313000)	\$0.000000
8	Equity AFUDC Additions	Exhibit 35, col. 13	\$9.093966	\$2.091332	\$3.951971	\$4.759844
9	Debt AFUDC Additions	Exhibit 35, col. 22	\$5.453532	\$1.238144	\$2.237612	\$2.575398
10	Gross Carrier Property - EOY 1/	Lns (1+4+5+6+7+8+9)	\$11,065.574278	\$11,092.741755	\$11,144.846337	\$11,152.201579
11	Depreciation	Exhibit 36, Ln. 8	\$23.732829	\$24.350726	\$27.370118	\$27.674341
12	Adjustments to Accumulated Depreciation	FERC Form 6, from 143-RGV-C	\$0.224000	(\$0.311000)	\$0.016000	\$0.000000
13	RCA-Adjusted Retirements from Accumulated	Exhibit 38, Ln. 3	(\$3.114602)	(\$6.444560)	(\$2.630104)	(\$6.550819)
14	Accumulated Depreciation 2/	Lns (11 + 12 + 13) + Prior Ln. 14	\$8,272.993355	\$8,290.588521	\$8,315.344536	\$8,336.468057
15	Accumulated Equity AFUDC Amortization	Exhibit 37, Ln. 7	\$1,498.937375	\$1,501.697743	\$1,504.599253	\$1,507.677053
16	Accumulated Debt AFUDC Amortization	Exhibit 37, Ln. 13	\$449.991093	\$451.019321	\$452.127464	\$453.330992
17	CWIP Balance - EOY	Part VI.B.1, Table, Ln. 7	\$29.708000	\$38.986000	\$43.236000	\$30.413000
18	Net Carrier Property	Lns (10-14-15-16-17)	\$813.944455	\$810.450170	\$829.539085	\$824.312477
19	Working Capital	Part VI.B.1, Table, Ln. 10	\$43.959000	\$43.062000	\$47.445000	\$23.800000
20	ADIT	Exhibit 41, Ln. 20	\$98.112934	\$108.152461	\$117.233293	\$127.327563
21	Rate Base, EOY	Lns (18+19-20)	\$759.790522	\$745.359709	\$759.750792	\$720.784914
22	Average Rate Base	(Ln.21+Prior Ln.21)/2	\$714.306826	\$752.575116	\$752.555251	\$740.267853

1/ 1996 EOY Balance from Exhibit 29, Line 10

2/ 1996 Balance is from Exhibit 22, Line 6

Appropriate Return on Rate Base, 1997-2000
(millions \$)

Line No.	Description	Source	1997	1998	1999	2000
1	Weighted Rate of Return	Part VI.A.5	10.68%	10.45%	11.13%	11.33%
2	Average Rate Base	Exhibit 42, Ln. 22	\$714.306826	\$752.575116	\$752.555251	\$740.267808
3	Total Return on Rate Base	Ln.1 * Ln.2	\$76.287969	\$78.644100	\$83.759399	\$83.872343
4	Debt Capital Structure	Part VI.A.1	49.50%	49.50%	49.50%	49.50%
5	Cost of Debt	Part VI.A.2	7.84%	7.84%	7.84%	7.84%
6	Debt Weighted Rate of Return	Ln.4 * Ln.5	3.88%	3.88%	3.88%	3.88%
7	Interest Expense	Ln.2 * Ln.6	\$27.720819	\$29.205935	\$29.205164	\$28.728313
8	Equity Weighted Rate of Return	Ln.1 - Ln.6	6.80%	6.57%	7.25%	7.45%
9	Return on Equity	Ln.2 * Ln.8	\$48.567150	\$49.438164	\$54.554235	\$55.144030

Appropriate Income Tax Allowance, 1997-2000
(millions \$)

Line No.	Description	Source	1997	1998	1999	2000
1	Total Return on Rate Base	Exhibit 43 Ln. 3	\$76.287969	\$78.644100	\$83.759399	\$83.872343
2	Interest Expense	Exhibit 43 Ln. 7	\$27.720819	\$29.205935	\$29.205164	\$28.728313
3	Equity Portion of Return on Rate Base	Ln. 1 - Ln. 2	\$48.567150	\$49.438164	\$54.554235	\$55.144030
	Permanent Differences - Federal Income Tax:					
4	Amortization of Equity AFUDC	Exhibit 37 Ln. 4	\$2.688253	\$2.760368	\$2.901510	\$3.077800
5	Amortization of TEFRA Adjustment	Exhibit 40 Ln. 6	\$0.020537	\$0.020537	\$0.020537	\$0.020537
6	Amortization of Deferred Tax Adjustments	Exhibit 41 Ln. 18	\$0.447485	\$0.447485	\$0.447485	\$0.447485
7	Subtotal for Federal Income Tax Allowance	Lns (3 + 4 + 5 - 6)	\$50.828455	\$51.771585	\$57.028797	\$57.794882
8	Federal Income Tax Rate	RGV-143-C, TAPS-RGV WP3, Sch.8	35.00%	35.00%	35.00%	35.00%
9	Net-to-Tax Multiplier - Federal Income Tax	Ln. 8 / (1 - Ln. 8)	53.85%	53.85%	53.85%	53.85%
10	Federal Income Tax Allowance	Ln. 7 * Ln. 9 - Ln. 6	\$26.921683	\$27.429522	\$30.260329	\$30.672836
	Permanent Differences - State Income Tax:					
11	Amortization of Equity AFUDC	Exhibit 37 Ln. 4	\$2.688253	\$2.760368	\$2.901510	\$3.077800
12	Subtotal for State Income Tax Allowance	Lns (3 + 10 + 11)	\$78.177086	\$79.628055	\$87.716074	\$88.894666
13	Alaska State Income Tax Rate	RGV-143-C, TAPS-RGV WP3, Sch.8	9.40%	9.40%	9.40%	9.40%
14	Net-to-Tax Multiplier - State Income Tax	Ln 13 / (1 - Ln. 13)	10.38%	10.38%	10.38%	10.38%
15	State Income Tax Allowance	Ln. 12 * Ln. 14	\$8.111088	\$8.261630	\$9.100785	\$9.223067
16	Total Income Tax Allowance	Ln. 10 + Ln. 15	\$35.032772	\$35.691153	\$39.361114	\$39.895903

Appropriate TAPS Revenue Requirement, 1997-2000
(millions \$)

Line No.	Description	Source	1997	1998	1999	2000
1	Operating Expense Excluding Depreciation and DR&R	Part VI.D	\$603.775	\$565.598	\$567.658	\$553.280
2	Depreciation Expense	Exhibit 36 Ln. 8	\$23.732829	\$24.350726	\$27.370118	\$27.674341
3	Amortization of AFUDC	Exhibit 37, Ln 14	\$3.673787	\$3.788596	\$4.009653	\$4.281328
4	Return on Rate Base	Exhibit 43 Ln 3	\$76.287969	\$78.644100	\$83.759399	\$83.872343
5	Income Tax Allowance	Exhibit 44 Ln. 16	\$35.032772	\$35.691153	\$39.361114	\$39.895903
6	Total Cost of Service	Sum Lns 1 to 5	\$742.502356	\$708.072574	\$722.158284	\$709.003915

1997-2000 Just and Reasonable Intrastate Rates

Line No.	Description	Source	1997	1998	1999	2000
1	GVEA Deliveries	143-RGV-C, TAPS RGV-WP 3, Schedule 16, Ln. 1	17.53	18.54	21.98	22.73
2	Petro Star Valdez Deliveries	143-RGV-C, TAPS RGV-WP 3, Schedule 16, Ln. 2	3.41	3.58	3.73	3.78
3	Valdez Marine Terminal Intrastate Deliveries	143-RGV-C, TAPS RGV-WP 3, Schedule 16, Ln. 3	16.06	15.68	0.00	0.00
4	Valdez Marine Terminal Interstate Deliveries	143-RGV-C, TAPS RGV-WP 3, Schedule 16, Ln. 4	444.98	402.82	365.10	341.41
5	Total Barrels	Lns (1 + 2 + 3 + 4)	481.97	440.61	390.80	367.92
6	GVEA Distance	Exhibit RGV-14, Schedule 1	469.06	469.06	469.06	469.06
7	Petro Star Valdez Distance	Exhibit RGV-14, Schedule 1	796.00	796.00	796.00	796.00
8	Valdez Marine Terminal Distance	Exhibit RGV-14, Schedule 1	800.32	800.32	800.32	800.32
9	GVEA Barrel Miles	Line (1 * 6)	8,221	8,694	10,309	10,662
10	Petro Star Valdez Barrel Miles	Line (2 * 7)	2,717	2,850	2,967	3,005
11	Valdez Marine Terminal Intrastate Barrel Miles	Line (3 * 8)	12,851	12,547	0	0
12	Valdez Marine Terminal Interstate Barrel Miles	Line (4 * 8)	356,124	322,382	292,194	273,239
13	Total Barrel Miles	Lns (9 + 10 + 11 + 12)	379,912	346,472	305,470	286,905
14	GVEA Connection Costs (millions \$)	143-RGV-C, TAPS RGV-WP 3, Schedule 15, Ln. 1	\$0.767000	\$0.000000	\$0.000000	\$0.000000
15	GVEA Connection Costs Per GVEA Barrel	Line (14 / 1)	\$0.04	\$0.00	\$0.00	\$0.00
16	Non-Distance Related Costs (millions \$)	143-RGV-C, TAPS RGV-WP 3, Schedule 15, Ln. 2	\$77.493000	\$79.641000	\$80.288000	\$80.13
17	Non-Distance Related Costs Per Barrel	Lns (16 / 5)	\$0.16	\$0.18	\$0.21	\$0.22
18	Total DOC Cost of Service (millions \$)	Exhibit 45, Ln. 6	\$742.502356	\$708.072574	\$722.158284	\$709.003915
19	Remaining Cost of Service (millions \$)	Line (18 - 14 - 16)	\$664.242356	\$628.431574	\$641.870284	\$628.876915
20	GVEA Portion of Cost of Service (millions \$)	Lns (((15 + 17) * 1) + (19 * (9 / 13)))	\$17.958115	\$19.119489	\$26.175934	\$28.319938
21	Petro Star Valdez Portion of Cost of Service (millions \$)	Lns ((17 * 2) + (19 * (10 / 13)))	\$5.298741	\$5.815849	\$6.999475	\$7.409420
22	Valdez Marine Terminal Intrastate Portion of Cost of Service (M \$)	Lns ((17 * 3) + (19 * (11 / 13)))	\$25.050051	\$25.590733	\$0.000000	\$0.000000
23	Valdez Marine Terminal Interstate Portion of Cost of Service (M \$)	Lns ((17 * 4) + (19 * (12 / 13)))	\$694.195450	\$657.546503	\$688.982875	\$673.274557
24	GVEA Tariff (\$/BBL)	Lns (20 / 1)	\$1.02	\$1.03	\$1.19	\$1.25
25	Petro Star Valdez Tariff (\$/BBL)	Lns (21 / 2)	\$1.55	\$1.62	\$1.88	\$1.96
26	Valdez Marine Terminal Intrastate Tariff (\$/BBL)	Lns (22 / 3)	\$1.56	\$1.63	N/A	N/A

ORDER NO. 85724

IN THE MATTER OF THE APPLICATION
OF POTOMAC ELECTRIC POWER *
COMPANY FOR AN INCREASE IN ITS
RETAIL RATES FOR THE DISTRIBUTION *
OF ELECTRIC ENERGY *

BEFORE THE
PUBLIC SERVICE COMMISSION
OF MARYLAND

CASE NO. 9311

Before: W. Kevin Hughes, Chairman
Harold D. Williams, Commissioner
Lawrence Brenner, Commissioner
Kelly Speakes-Backman, Commissioner

Issued: July 12, 2013

APPEARANCES

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Heather Cameron for the General Services Administration

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I. Introduction and Executive Summary

In this Order, we consider Potomac Electric Power Company's ("Pepco" or "the Company") second request for an increase in electric distribution rates in the last two years, and third request in the last four years.¹ In each of the last two cases, we granted the Company less than half the amount it requested, and then only to permit the Company to improve its ability to deliver reliable service to its customers. Here, we again reduce the Company's requested rate increase by more than half, and grant only what we find necessary to enable the Company to continue - and even accelerate - the pace of its improvement in reliability and resiliency of its electric distribution system.

Pepco filed its Application in the present case on November 30, 2012 requesting a rate increase of \$60.827 million and an increase in the return on equity ("ROE") from 9.31 percent to 10.25 percent.² Pepco argued that the large rate increase is necessary "because the Company has made, and continues to make, prudent investments in the reliability of its electric distribution infrastructure which have resulted in a 38% improvement in SAIFI and a 36% improvement in SAIDI."³ Based on our thorough review of Pepco's Application – the record in this case includes written testimony from 26 witnesses, 10 days of evidentiary hearings, two public evening hearings in College Park, and Rockville, Maryland and extensive post-hearing briefs - we find that a revenue increase of \$27.883 million and an ROE of 9.36 percent will be sufficient to permit the Company to continue to improve its reliability and resiliency at just and reasonable rates.

¹ Case No. 9286, decided on July 20, 2012 and Case No. 9217, decided on August 6, 2010.

² *Application of Potomac Electric Power Company for Adjustments to its Retail Rates for the Distribution of Electric Energy*, p. 3.

³ Initial Brief of Potomac Electric Power Company, p. 1. SAIFI is the "System average interruption frequency index." SAIDI is the "System average interruption duration index."