

Table C-1
Consolidated Association of BPA Bonds
Issued to Finance Capital Investment in
Transmission Construction, Conservation and Fish & Wildlife
Fiscal Years 1977-1995

BONDS ISSUED								ASSOCIATED INVESTMENT					
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
<u>Fiscal Year Issued</u>	<u>Amount of Bonds Issued (\$ 000)</u>	<u>Interest Rate (%)</u>	<u>Type of Bond</u>	<u>Term of Bond (Yrs.)</u>	<u>Date of Maturity (Yr.)</u>	<u>First Call Date (Yr.)</u>	<u>Amount Outstanding (\$ 000)</u>	<u>Year in Service</u>	<u>Investment Composite Life (Yrs.)</u>	<u>Yrs. Between Bond Issue Date and End of Associated Investment Repayment Periods</u>	<u>Total Investment (\$ 000)</u>	<u>Investment Functionalized to Transmission (\$ 000)</u>	<u>Investment Functionalized to Generation (\$ 000)</u>
1978	50,000	8.95	C	35	2013	1983	0	1977	45	44	50,000	41,992	8,008
1979	75,000	9.45	C	35	2014	1984	0	1977 1978	45 45	43 44	20,238 54,762	16,997 54,510	3,241 252
1979	50,000	9.90	C	35	2014	1984	0	1978 1979	45 45	44 45	36,732 14,268	35,568 13,498	164 770
1980	115,000	13.00	C	35	2015	1985	0	1979 1980 1981	45 45 45	44 45 46	53,381 48,043 13,576	50,502 46,280 13,545	2,879 1,763 31
1981	175,000	16.00	C	35	2016	1986	0	1981	45	45	175,000	174,596	404
1982	50,000	14.40	C	35	2017	1987	0	1981	45	44	50,000	49,884	118
1982	100,000	14.40	C	35	2017	1987	0	1981 1982	45 45	44 45	14,575 85,425	14,541 84,435	34 990
1982	85,000	14.15	C	35	2017	1987	0 3/	1982 1983	45 45	45 46	6,686 78,314	6,609 77,807	77 507
1983	40,000	10.85	C	35	2018	1988	0 4/	1983	45	45	40,000	39,741	259
1983	30,000	11.70	C	35	2018	1988	0	1983	45	45	30,000	29,806	194
1983	45,000	12.25	C	35	2018	1988	0	1983 1984	45 45	45 46	819 44,181	814 43,943	5 238
1983	140,000	12.20	K	20	2003	1988	0	1982 1983	20 20	19 20	61,357 78,643	0 0	61,357 78,643
1984	30,000	12.30	C	35	2019	1989	0	1984	45	45	30,000	29,838	162
1984	60,000	13.05	C	35	2019	1989	0	1984	45	45	60,000	59,676	324
1984	150,000	13.05	K	20	2004	1989	0 5/	1983 1984	20 20	19 20	125,449 24,551	0 0	125,449 24,551

**Association of Transmission Construction
Funded by Bonds 1/
FY 1977 - FY 1990
(\$ Thousands)**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Fiscal Year	Plant in Service 2/	Amount Funded by Bonds	Amount of Bond Sales	Amount Outstanding	Interest Rate	Term	Year Due	Refinancing	
								Date	Amount
(Con't)		100,000	100,000	0	8.35	5	1992		
		11,409	50,000	0	9.55	45	2032		
		<u>167,781</u>							
1988	96,878	38,591	150,000	0	9.50	45	2033	10/31/93	100,000
		58,287	40,000	0	9.90	45	2033	5/31/94	50,000
		<u>96,878</u>							
1989	211,811	91,713	75,000	75,000	8.95	10	1999		
		40,000							
		75,000							
		5,098							
		<u>211,811</u>							
1990	88,894	44,902	50,000	50,000	9.25	40	2030		
		43,992	12/						
		<u>88,894</u>							

- 1/ These investments have an estimated average service life of 45 years and a maximum repayment period of 45 years.
- 2/ BPA's Summary Financial data, Analysis of Funds Returned to the U.S Treasury and Cash Amortization Table, change in Total column from previous year.
- 3/ Funded by appropriations (Reference WP-89-E-BPA-01A1, Documentation for the Revenue Requirement Study - Volume 1, 1989 Rate Proposal, page 195).
- 4/ Refinanced on 7/31/87 with \$ 95,000 issued at 9.55%, 30 year term, due in 2017.
- 5/ Refinanced on 2/29/88 with \$43,700 issued at 9.50%, 30 year term, due in 2018.
- 6/ Refinanced on 8/31/92 with \$107,800 issued at 6.60%, 8 year term, due in 2000.
- 7/ Refinanced on 8/31/92 with \$107,700 issued at 7.25%, 15 year term, due in 2007.
- 8/ (See 11/)
- 9/ Refinanced on 4/30/92 with \$80,000 issued at 6.20%, 3 year term, due in 1995; and \$28,300 issued at 7.00%, 5 year term, due in 1997.
- 10/ Refinanced on 10/31/93 with \$108,400 issued at 6.85%, 40 year term, due in 2033.
- 11/ (And 8/) Refinanced on 5/31/94 with \$97,100 issued at 7.1%, 4 year term, due in 1998.
- 12/ See Association of Transmission Construction Functionalized to Transmission (Table C-2a)

Table C-2a
Association of Transmission Construction
Functionalized to Transmission
Funded by Bonds 1/
FY 1991 - FY 1995
(\$ Thousands)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
<u>Fiscal Year</u>	<u>Plant in Service</u> 2/	<u>Amount Funded by Bonds</u> 3/	<u>Amount of Bond Sales</u>	<u>Amount Outstanding</u>	<u>Interest Rate</u>	<u>Term</u>	<u>Year Due</u>
1990		43,992					
1991	139,891	10,153	54,145	0	7.55	4	1995
		129,738					
		139,891					
1992	214,883	17,783	147,521	147,521	8.80	40	2032
		50,000	50,000	50,000	7.00	5	1997
		147,100	150,000	150,000	8.13	40	2032
		214,883					
1993	209,541	2,900	50,000	50,000	6.05	5	1998
		50,000	88,984	88,984	8.35	40	2033
		88,984	130,000	130,000	7.80	40	2033
		67,657	100,000	100,000	7.50	40	2033
			110,000	110,000	8.95	40	2033
		209,541					
1994	239,060	62,343	35,722	35,722	6.85	40	2034
		100,000	50,000	50,000	7.05	40	2034
		35,722	50,000	50,000	8.20	40	2034
		40,995	55,000	0	7.65	5	1999
		239,060					
1995	286,668	69,005	55,000	55,000	8.35	6	2001
		50,000	41,491 4/	41,491	7.70	30	2025
		50,000	65,000 4/	65,000	7.70	30	2025
		55,000					
		55,000					
		7,663					
		286,668					

1/ These investments have an estimated average service life of 45 years and a maximum repayment period of 45 years.
 2/ BPA's Summary Financial data, Analysis of Funds Returned to the U.S Treasury and Cash Amortization Table change in Total column from previous year.
 3/ See Association of Transmission Construction (Table C-2).
 4/ These bonds were issued to finance actual capital expenditures associated with plant that has yet to be placed in service. Association of these bonds with plant will occur when construction is complete. (FY 1996)

TABLE C-3
ASSOCIATION OF INVESTMENT TO BPA BONDS
ON AN INCREMENTAL AND CUMULATIVE BASIS
CONSTRUCTION-TRANSMISSION
(\$ THOUSANDS)

(A) FISCAL YEAR	(B) INVESTMENT			(C) BONDS ISSUED			(H) YEARS BETWEEN BOND ISSUE DATE & END OF ASSOCIATION	(D) INVESTMENT REPAYMENT PERIOD			(E) INVESTMENT IN EXCESS OF BORROWING			(F) CUMULATIVE INVESTMENT			(G) CUMULATIVE BONDS ISSUED			(H) CUMULATIVE IN EXCESS OF BORROWING			(I) FISCAL YEAR	(J) AMOUNT OF INVESTMENT FUNDED BY BONDS				
	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL		TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL		TRANS.	GEN.	TOTAL		
1977	41,992	8,008	50,000	0	0	0	44	(B-E)	(C-F)	(D-G)	44	41,992	8,008	50,000	58,989	#####	70,238	0	0	0	58,989	11,249	70,238	1978	41,992	8,008	50,000	
	16,997	3,241	20,238	0	0	0	43	41,992	8,008	50,000		16,997	3,241	20,238											1979	16,997	3,241	20,238
	58,989	11,249	70,238	0	0	0		58,989	11,249	70,238		58,989	11,249	70,238														
1978	54,510	252	54,762	41,992	8,008	50,000	44	12,518	(7,756)	4,762	44	12,518	(7,756)	4,762	149,067	#####	160,732	41,992	8,008	50,000	107,075	3,657	110,732	1979	54,510	252	54,762	
	35,568	164	35,732	0	0	0	44	35,568	164	35,732		35,568	164	35,732											1979	35,568	164	35,732
	90,078	416	90,494	41,992	8,008	50,000		48,086	(7,592)	40,494		48,086	(7,592)	40,494														
1979	13,498	770	14,268	16,997	3,241	20,238	45	(3,499)	(2,471)	(5,970)	44	(3,499)	(2,471)	(5,970)	213,067	#####	228,381	162,565	12,435	175,000	50,502	2,879	53,381	1979	13,498	770	14,268	
	50,502	2,879	53,381	54,510	252	54,762	44	(4,008)	2,627	(1,381)		(4,008)	2,627	(1,381)											1980	50,502	2,879	53,381
	0	0	0	35,568	164	35,732		(35,568)	(164)	(35,732)		(35,568)	(164)	(35,732)														
	0	0	0	13,498	770	14,268		(13,498)	(770)	(14,268)		(13,498)	(770)	(14,268)														
1980	64,000	3,649	67,649	120,573	4,427	125,000		(56,573)	(778)	(57,351)		(56,573)	(778)	(57,351)	259,347	#####	276,424	272,892	17,108	290,000	(13,545)	(31)	(13,576)	1980	64,000	3,649	67,649	
	46,280	1,763	48,043	50,502	2,879	53,381	45	(4,222)	(1,116)	(5,338)	(4,222)	(1,116)	(5,338)	1980											46,280	1,763	48,043	
	0	0	0	46,280	1,763	48,043		(46,280)	(1,763)	(48,043)	(46,280)	(1,763)	(48,043)															
	0	0	0	13,545	31	13,576		(13,545)	(31)	(13,576)	(13,545)	(31)	(13,576)															
1981	46,280	1,763	48,043	110,327	4,673	115,000		(64,047)	(2,910)	(66,957)		(64,047)	(2,910)	(66,957)	511,913	#####	529,575	447,488	17,512	465,000	64,425	150	64,575	1980	46,280	1,763	48,043	
	13,545	31	13,576	174,596	404	175,000	46	(161,051)	(373)	#####	(161,051)	(373)	#####	1980											13,545	31	13,576	
	174,596	404	175,000	0	0	0	45	174,596	404	175,000	174,596	404	175,000	1981											174,596	404	175,000	
	49,884	116	50,000	0	0	0	44	49,884	116	50,000	49,884	116	50,000	1982											49,884	116	50,000	
	14,541	34	14,575	0	0	0	44	14,541	34	14,575	14,541	34	14,575	1982											14,541	34	14,575	
1982	252,566	585	253,151	174,596	404	175,000		77,970	181	78,151		77,970	181	78,151	602,957	#####	621,686	680,764	19,236	700,000	(77,807)	(507)	(78,314)	1982	252,566	585	253,151	
	84,435	990	85,425	49,884	116	50,000	45	34,551	874	35,425	34,551	874	35,425	1982											84,435	990	85,425	
	6,609	77	6,686	14,541	34	14,575	45	(7,932)	43	(7,889)	(7,932)	43	(7,889)	1982											6,609	77	6,686	
	0	0	0	84,435	990	85,425		(84,435)	(990)	(85,425)	(84,435)	(990)	(85,425)															
	0	0	0	6,609	77	6,686	1/	(6,609)	(77)	(6,686)	(6,609)	(77)	(6,686)															
	0	0	0	77,807	507	78,314	1/	(77,807)	(507)	(78,314)	(77,807)	(507)	(78,314)															
1983	91,044	1,067	92,111	233,276	1,724	235,000		(142,232)	(657)	#####		(142,232)	(657)	#####	751,125	#####	770,819	795,068	19,932	815,000	(43,943)	(238)	(44,181)	1982	91,044	1,067	92,111	
	77,807	507	78,314	39,741	259	40,000	2/ 46	38,066	248	38,314	38,066	248	38,314	1982											77,807	507	78,314	
	39,741	259	40,000	29,806	194	30,000	45	9,935	65	10,000	9,935	65	10,000	1983											39,741	259	40,000	
	29,806	194	30,000	814	5	819	45	28,992	189	29,181	28,992	189	29,181	1983											29,806	194	30,000	
	814	5	819	43,943	238	44,181	45	(43,129)	(233)	(43,362)	(43,129)	(233)	(43,362)	1983											814	5	819	
1984	148,168	965	149,133	114,304	696	115,000		33,864	269	34,133		33,864	269	34,133	985,069	#####	#####	884,582	20,418	905,000	100,487	546	101,033	1983	148,168	965	149,133	
	43,943	238	44,181	29,838	162	30,000	46	14,105	76	14,181	14,105	76	14,181	1983											43,943	238	44,181	
	29,838	162	30,000	59,676	324	60,000	45	(29,838)	(162)	(30,000)	(29,838)	(162)	(30,000)	1984											29,838	162	30,000	
	59,676	324	60,000	0	0	0	45	59,676	324	60,000	59,676	324	60,000	1984											59,676	324	60,000	
	99,460	540	100,000	0	0	0	44	99,460	540	100,000	99,460	540	100,000	1985											99,460	540	100,000	
	1,027	6	1,033	0	0	0	43	1,027	6	1,033	1,027	6	1,033	1986											1,027	6	1,033	
233,944	1,270	235,214	89,514	486	90,000		144,430	784	145,214	144,430	784	145,214	985,069	#####	#####	884,582	20,418	905,000	100,487	546	101,033							

TABLE C-4
Association of Conservation Investment 1/
Funded by Bonds
FY 1982 -1995
(\$ Thousands)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Fiscal Year	Plant in Service 2/	Amount Funded by Bonds	Amount of Bond Sales	Amount Outstanding	Interest Rate	Term	Year Due	Date	Refinancing Amount
1982	61,357	61,357							
1983	204,092	78,643 125,449 204,092	140,000	0	12.20	20	2003		
1984	66,783	24,551 42,232 66,783	150,000	0	13.05	20	2004	9/30/89 9/30/89	60,000 3/ 60,000 4/
1985	103,067	7,768 50,000 45,299 103,067	50,000	0	10.15	5	1990		
1986	97,618	4,701 75,000 17,917 97,618	50,000 50,000	50,000 0	8.15 7.80	10 5	1996 1991		
1987	65,958	32,083 33,875 65,958	75,000 50,000	0 0	9.30 8.35	20 5	2007 1992	7/31/92	75,000 5/
1988	52,485	52,485	90,000	0	9.90	20	2008		
1989	37,167	3,640 33,527 37,167	40,000	40,000	8.55	20	2009		
1990	33,776	6,473 27,303 33,776							
1991	45,593	38,697 6,896 45,593							
1992	74,668	27,104 47,564 74,668	100,000	100,000	7.14	15	2007		
1993	97,910	2,436 50,000 40,000 5,474 97,910	50,000 50,000 40,000	50,000 50,000 40,000	8.05 7.40 6.75	20 20 20	2013 2013 2013		
1994	113,488	44,526 50,000 18,962 113,488	50,000 50,000	50,000 50,000	6.75 7.10	20 4	2014 1998		
1995	73,507	66,038 7,469 73,507	85,000	85,000	7.50	20	2015		

1/ These investments have an estimated average service life of 20 years.
 2/ BPA's Annual Report, Balance Sheet, change from previous year.
 3/ Refinanced on 9/30/89 with \$66,000 issued at 8.60%, 6 year term, due In 1995.
 4/ Refinanced on 9/30/89 with \$66,000 issued at 8.65%, 13 year term, due In 2002.
 5/ Refinanced on 7/31/92 with \$80,200 issued at 5.80%, 5 year term, due In 1997.
 6/ This amount not yet financed through long-term bonds.

**TABLE C-5
ASSOCIATION OF INVESTMENT TO BPA BONDS
ON AN INCREMENTAL AND CUMULATIVE BASIS
CONSERVATION
(\$ THOUSANDS)**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	
																					[ASSOC. OF INVESTMENT TO BONDS ISSUED]			
																					YEARS BETWEEN BOND ISSUE DATE & END OF ASSOCIATION			
FISCAL	INVESTMENT			BONDS			INVESTMENT			CUMULATIVE			CUMULATIVE			CUMULATIVE			FISCAL	AMOUNT OF				
<u>YEAR</u>	<u>INVESTMENT</u>			<u>ISSUED</u>			<u>REPAYMENT</u>			<u>IN EXCESS OF</u>			<u>INVESTMENT</u>			<u>BONDS</u>			<u>YEAR</u>	<u>INVESTMENT</u>				
	<u>TRANS.</u>	<u>GEN.</u>	<u>TOTAL</u>	<u>TRANS.</u>	<u>GEN.</u>	<u>TOTAL</u>	<u>PERIOD</u>	<u>BORROWING</u>	<u>IN EXCESS OF</u>	<u>IN EXCESS OF</u>	<u>INVESTMENT</u>	<u>TRANS.</u>	<u>GEN.</u>	<u>TOTAL</u>	<u>TRANS.</u>	<u>GEN.</u>	<u>TOTAL</u>	<u>BORROWING</u>	<u>ISSUED</u>	<u>BY BONDS</u>	<u>TRANS.</u>	<u>GEN.</u>	<u>TOTAL</u>	
								(B-E)	(C-F)	(D-G)								(L-O)	(M-P)	(N-Q)				
###	0	61,357	61,357	0	0	0	19	0	61,357	61,357	0	61,357	61,357	0	0	0	0	0	61,357	61,357	1983	0	61,357	61,357
1983	0	78,643	78,643	0	61,357	61,357	20	0	17,286	17,286	0	0	0	0	0	0	0	0	0	0	1983	0	78,643	78,643
	0	125,449	#####	0	78,643	78,643	19	0	46,806	46,806	0	0	0	0	0	0	0	0	0	0	1984	0	#####	#####
	0	204,092	#####	0	140,000	#####		0	64,092	64,092	0	#####	265,449	0	140,000	#####	0	#####	#####					
1984	0	24,551	24,551	0	125,449	#####	1 20	0	#####	#####	0	0	0	0	0	0	0	0	0	0	1984	0	24,551	24,551
	0	42,232	42,232	0	24,551	24,551	1 19	0	17,681	17,681	0	0	0	0	0	0	0	0	0	0	1985	0	42,232	42,232
	0	66,783	66,783	0	150,000	#####		0	#####	#####	0	#####	332,232	0	290,000	#####	0	42,232	42,232					
1985	0	7,768	7,768	0	42,232	42,232	20	0	#####	#####	0	0	0	0	0	0	0	0	0	0	1985	0	7,768	7,768
	0	50,000	50,000	0	7,768	7,768	19	0	#####	#####	0	0	0	0	0	0	0	0	0	0	1986	0	50,000	50,000
	0	45,299	45,299	0	0	0	19	0	42,232	42,232	0	0	0	0	0	0	0	0	0	0	1986	0	45,299	45,299
	0	103,067	#####	0	50,000	50,000		0	53,067	53,067	0	#####	435,299	0	340,000	#####	0	95,299	95,299					
1986	0	4,701	4,701	0	50,000	50,000	20	0	#####	#####	0	0	0	0	0	0	0	0	0	0	1986	0	4,701	4,701
	0	75,000	75,000	0	45,299	45,299	19	0	29,701	29,701	0	0	0	0	0	0	0	0	0	0	1987	0	75,000	75,000
	0	17,917	17,917	0	4,701	4,701	19	0	13,216	13,216	0	0	0	0	0	0	0	0	0	0	1987	0	17,917	17,917
	0	97,618	97,618	0	100,000	#####		0	(2,382)	(2,382)	0	#####	532,917	0	440,000	#####	0	92,917	92,917					
1987	0	32,083	32,083	0	75,000	75,000	2. 20	0	#####	#####	0	0	0	0	0	0	0	0	0	0	1987	0	32,083	32,083
	0	33,875	33,875	0	17,917	17,917	19	0	15,958	15,958	0	0	0	0	0	0	0	0	0	0	1988	0	33,875	33,875
	0	0	0	0	32,083	32,083		0	#####	#####	0	#####	598,875	0	565,000	#####	0	33,875	33,875					
	0	65,958	65,958	0	125,000	#####		0	#####	#####	0	#####	598,875	0	565,000	#####	0	33,875	33,875					
1988	0	52,485	52,485	0	33,875	33,875	20	0	18,610	18,610	0	0	0	0	0	0	0	0	0	0	1988	0	52,485	52,485
	0	0	0	0	52,485	52,485		0	#####	#####	0	0	0	0	0	0	0	0	0	0				
	0	0	0	0	3,640	3,640		0	(3,640)	(3,640)	0	#####	651,360	0	655,000	#####	0	(3,640)	(3,640)					
	0	52,485	52,485	0	90,000	90,000		0	#####	#####	0	#####	651,360	0	655,000	#####	0	(3,640)	(3,640)					
1989	0	3,640	3,640	0	33,527	33,527	21	0	#####	#####	0	0	0	0	0	0	0	0	0	0	1988	0	3,640	3,640
	0	33,527	33,527	0	6,473	6,473	20	0	27,054	27,054	0	0	0	0	0	0	0	0	0	0	1989	0	33,527	33,527
	0	37,167	37,167	0	40,000	40,000		0	(2,833)	(2,833)	0	#####	688,527	0	695,000	#####	0	(6,473)	(6,473)					

**TABLE C-5
ASSOCIATION OF INVESTMENT TO BPA BONDS
ON AN INCREMENTAL AND CUMULATIVE BASIS
CONSERVATION
(\$ THOUSANDS)**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)				
FISCAL YEAR	INVESTMENT			BONDS ISSUED			YEARS BETWEEN BOND ISSUE DATE & END OF ASSOCIATION			INVESTMENT REPAYMENT PERIOD			INVESTMENT IN EXCESS OF BORROWING			CUMULATIVE INVESTMENT			CUMULATIVE BONDS ISSUED			CUMULATIVE INVESTMENT IN EXCESS OF BORROWING			[ASSOC. OF INVESTMENT TO BONDS ISSUED]		
							FISCAL YEAR	AMOUNT OF INVESTMENT	BY BONDS																		
	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL
1990	0	6,473	6,473	0	0	0	21	0	6,473	6,473																	
	0	27,303	27,303	0	0	0	18	0	27,303	27,303																	
	0	33,776	33,776	0	0	0		0	33,776	33,776	0	#####	722,303	0	695,000	#####	0	27,303	27,303								
###	0	38,697	38,697	0	0	0	19	0	38,697	38,697																	
	0	6,896	6,896	0	0	0	19	0	6,896	6,896																	
	0	45,593	45,593	0	0	0		0	45,593	45,593	0	#####	767,896	0	695,000	#####	0	72,896	72,896								
###	0	27,104	27,104	0	27,303	27,303	20	0	(199)	(199)																	
	0	47,564	47,564	0	38,697	38,697	19	0	8,867	8,867																	
	0	0	0	0	6,896	6,896		0	(6,896)	(6,896)																	
	0	0	0	0	27,104	27,104		0	#####	#####																	
	0	74,668	74,668	0	100,000	#####		0	#####	#####	0	#####	842,564	0	795,000	#####	0	47,564	47,564								
###	0	2,436	2,436	0	47,564	47,564	20	0	#####	#####																	
	0	50,000	50,000	0	2,436	2,436	20	0	47,564	47,564																	
	0	40,000	40,000	0	50,000	50,000	20	0	#####	#####																	
	0	5,474	5,474	0	40,000	40,000		0	#####	#####																	
	0	97,910	97,910	0	140,000	#####		0	#####	#####	0	#####	940,474	0	935,000	#####	0	5,474	5,474								
###	0	44,526	44,526	0	5,474	5,474	19	0	39,052	39,052																	
	0	50,000	50,000	0	44,526	44,526	20	0	5,474	5,474																	
	0	18,962	18,962	0	50,000	50,000	20	0	#####	#####																	
	0	113,488	#####	0	100,000	#####		0	13,488	13,488	0	#####	#####	0	#####	#####	0	18,962	18,962								
###	0	66,038	66,038	0	18,962	18,962	19	0	47,076	47,076																	
	0	7,469	7,469	0	66,038	66,038	20	0	#####	#####																	
	0	73,507	73,507	0	85,000	85,000		0	#####	#####	0	#####	#####	0	#####	#####	0	7,469	7,469								
	0	#####	#####	0	#####	#####		0	7,469	7,469	0	#####	#####	0	#####	#####	0	7,469	7,469								

1/ Refinanced on 9/30/89 with \$66,000 issued at 8.60%, 6 year term, due on 1995, and refinanced on 9/30/89 with \$66,000 issued at 8.65%, 13 year term due on 2002.

2/ Refinanced on 7/31/92 with \$80,200 issued at 5.80%, 5 year term, due on 1997.

Table C-6
Association of Fish and Wildlife Investment
Funded by Bonds
FY 1985 -1995
(\$ Thousands)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
<u>Fiscal Year</u>	<u>Plant in Service</u> ^{1/}	<u>Amount Funded by Bonds</u>	<u>Amount of Bond Sales</u>	<u>Amount Outstanding</u>	<u>Interest Rate</u>	<u>Term</u>	<u>Year Due</u>	<u>Refinancing Date</u>	<u>Amount</u>
1985	4,318	4,318							
1986	5,590	5,590							
1987	4,710	4,710							
1988	7,726	7,726							
1989	8,267	2,656	25,000	25,000	8.95	10	1999		
		5,611							
		8,267							
1990	16,193	16,193							
1991	17,680	17,680	50,000	50,000	7.95	5	1996		
1992	11,178	10,516							
		662							
		11,178							
1993	17,338	17,338	20,000	20,000	6.95	15	2008		
1994	20,487	20,000	20,000	0	7.65	5	1999		
		487							
		20,487							
1995	32,486	18,499	18,986	18,986	7.20	15	2010		
		13,987 ^{2/}							
		32,486							

1/ BPA's Annual Report, Balance Sheet, change from previous year.

2/ These bonds were issued to finance actual capital expenditures associated with plant that has yet to be placed in service. The association of these bonds with plant will occur when construction is complete.

Table C-6a
Association of Environment Investment
Funded by Bonds
FY 1995
(\$ Thousands)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
<u>Fiscal</u> <u>Year</u>	<u>Plant</u> <u>in</u> <u>Service</u>	<u>1/</u> <u>Amount</u> <u>Funded by</u> <u>Bonds</u>	<u>Amount</u> <u>of Bond</u> <u>Sales</u>	<u>Amount</u> <u>Outstanding</u>	<u>Interest</u> <u>Rate</u>	<u>Term</u>	<u>Year</u> <u>Due</u>	<u>Refinancing</u>	
								<u>Date</u>	<u>Amount</u>
1995	16,014	16,014	16,014	16,014	7.20	15	2010		

1/ BPA's Summary Financial data, Analysis of Funds Returned to the U. S. Treasury and Cash Amortization Table, change in Total column from previous year.

TABLE C-7
ASSOCIATION OF INVESTMENT TO BPA BONDS
ON AN INCREMENTAL AND CUMULATIVE BASIS
FISH & WILDLIFE
(\$ THOUSANDS)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		
FISCAL YEAR	INVESTMENT			BONDS ISSUED			YEARS BETWEEN BOND ISSUE DATE & END OF ASSOCIATION			[ASSOC. OF INVESTMENT TO BONDS ISSUED]															
							INVESTMENT REPAYMENT PERIOD	INVESTMENT IN EXCESS OF BORROWING	CUMULATIVE INVESTMENT	CUMULATIVE BONDS ISSUED			CUMULATIVE INVESTMENT IN EXCESS OF BORROWING			FISCAL YEAR	AMOUNT OF INVESTMENT FUNDED BY BONDS								
							TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	TRANS.	GEN.	TOTAL	(L-O)	(M-P)	(N-Q)	TRANS.
1985	0	4,318	4,318	0	0	0	11	0	4,318	4,318	0	4,318	4,318	0	0	0	0	4,318	4,318	1989	0	4,318	4,318		
1986	0	5,590	5,590	0	0	0	12	0	5,590	5,590	0	9,908	9,908	0	0	0	0	9,908	9,908	1989	0	5,590	5,590		
1987	0	4,710	4,710	0	0	0	13	0	4,710	4,710	0	14,618	14,618	0	0	0	0	14,618	14,618	1989	0	4,710	4,710		
1988	0	7,726	7,726	0	0	0	14	0	7,726	7,726	0	22,344	22,344	0	0	0	0	22,344	22,344	1989	0	7,726	7,726		
1989	0	2,656	2,656	0	4,318	4,318	15	0	(1,662)	(1,662)	1989	0	26,561	26,561	0	0	0	0	26,561	26,561	1989	0	2,656	2,656	
	0	5,611	5,611	0	5,590	5,590	13	0	21	21		1991	0	25,000	25,000	0	0	0	0	25,000	25,000	1991	0	5,611	5,611
	0	0	0	0	4,710	4,710		0	(4,710)	(4,710)			0	30,611	30,611	0	0	0	0	30,611	30,611		0	0	0
	0	0	0	0	7,726	7,726		0	(7,726)	(7,726)			0	25,000	25,000	0	0	0	0	25,000	25,000		0	0	0
	0	0	0	0	2,656	2,656		0	(2,656)	(2,656)			0	25,000	25,000	0	0	0	0	25,000	25,000		0	0	0
1990	0	8,267	8,267	0	25,000	25,000		0	(16,733)	(16,733)		0	30,611	30,611	0	25,000	25,000	0	5,611	5,611	1991	0	16,193	16,193	
1990	0	16,193	16,193	0	0	0	14	0	16,193	16,193	0	46,804	46,804	0	25,000	25,000	0	21,804	21,804	1991	0	16,193	16,193		
1991	0	17,680	17,680	0	5,611	5,611	15	0	12,069	12,069	1991	0	75,000	75,000	0	0	0	0	75,000	75,000	1991	0	17,680	17,680	
	0	0	0	0	16,193	16,193		0	(16,193)	(16,193)			0	75,000	75,000	0	0	0	0	75,000	75,000		0	0	0
	0	0	0	0	17,680	17,680		0	(17,680)	(17,680)			0	75,000	75,000	0	0	0	0	75,000	75,000		0	0	0
	0	0	0	0	10,516	10,516		0	(10,516)	(10,516)			0	75,000	75,000	0	0	0	0	75,000	75,000		0	0	0
1992	0	17,680	17,680	0	50,000	50,000		0	(32,320)	(32,320)		0	64,484	64,484	0	75,000	75,000	0	(10,516)	(10,516)	1991	0	10,516	10,516	
1992	0	10,516	10,516	0	0	0	16	0	10,516	10,516	1991	0	10,516	10,516	0	0	0	0	10,516	10,516	1991	0	10,516	10,516	
	0	662	662	0	0	0	14	0	662	662	1993	0	662	662	0	0	0	0	662	662	1993	0	662	662	
	0	11,178	11,178	0	0	0		0	11,178	11,178		0	75,662	75,662	0	75,000	75,000	0	662	662		0	0	0	
1993	0	17,338	17,338	0	662	662	15	0	16,676	16,676	1993	0	113,487	113,487	0	0	0	0	113,487	113,487	1993	0	17,338	17,338	
	0	0	0	0	17,338	17,338		0	(17,338)	(17,338)			0	113,487	113,487	0	0	0	0	113,487	113,487		0	0	0
	0	17,338	17,338	0	18,000	18,000		0	(662)	(662)			0	93,000	93,000	0	93,000	93,000	0	0	0		0	0	0
1994	0	20,000	20,000	0	20,000	20,000	15	0	0	0	1994	0	113,487	113,487	0	0	0	0	113,487	113,487	1994	0	20,000	20,000	
	0	487	487	0	0	0		0	487	487		1995	0	113,487	113,487	0	0	0	0	113,487	113,487	1995	0	487	487
	0	20,487	20,487	0	20,000	20,000		0	487	487			0	113,487	113,487	0	487	487	0	487	487		0	0	0
1995	16,014	18,499	34,513	0	487	487	14	16,014	18,012	34,026	1995	16,014	145,973	161,987	16,014	131,986	148,000	0	13,987	13,987	1995	16,014	18,499	34,513	
	0	13,987	13,987	16,014	18,499	34,513	15	(16,014)	(4,512)	(20,526)			16,014	145,973	161,987	16,014	131,986	148,000	0	13,987	13,987		0	0	0
	16,014	32,486	48,500	16,014	18,986	35,000		0	13,500	13,500			16,014	145,973	161,987	16,014	131,986	148,000	0	13,987	13,987		16,014	18,499	34,513
	16,014	108,148	124,162	16,014	93,986	110,000		0	14,162	14,162			16,014	145,973	161,987	16,014	131,986	148,000	0	13,987	13,987		16,014	18,499	34,513

Table C-8
BPA Projected Federal Borrowing
FY 1995 - 2001 1/
(\$ Thousands)

<u>FY</u> <u>Year</u>	<u>Description</u>	<u>Interest</u> <u>Rate</u>	<u>Term</u>	<u>Total</u> <u>Borrowing</u>	<u>Generation</u> <u>Borrowing</u>	<u>Transmission</u> <u>Borrowing</u>
1995	Construction 2/	8.35	6	55,000	0	55,000
	Construction 3/	7.70	30	50,000	8,509	41,491
	Construction 4/	7.70	30	65,000	0	65,000
	Fish, Wildlife & Environmental 5/	7.39	15	44,200	26,500	17,700
	Conservation 6/	7.20	20	85,000	85,000	0
	BOR/COE 7/, 8/	7.50	20	35,000	35,000	0
				334,200	155,009	179,191
1996	Construction 9/	7.24	45	164,500	15,798	148,702
	Fish, Wildlife & Environmental	6.95	15	39,000	24,000	15,000
	Conservation	6.70	15	30,000	30,000	0
	Conservation 10/	7.05	20	69,700	69,700	0
	BOR/COE 7/	7.84	45	39,700	39,700	0
				342,900	179,198	163,702
1997	Construction	6.93	45	137,000	12,670	124,330
	Fish, Wildlife & Environmental	6.66	15	39,200	27,000	12,200
	Conservation	6.60	20	56,900	56,900	0
	BOR/COE 7/	6.93	45	17,300	17,300	0
				250,400	113,870	136,530
1998	Construction	6.72	45	136,300	14,883	121,417
	Fish, Wildlife & Environmental	6.40	15	36,200	25,000	11,200
	Conservation	6.50	20	42,600	42,600	0
	BOR/COE 7/	6.72	45	13,200	13,200	0
				228,300	95,683	132,617
1999	Construction	6.61	45	147,818	14,097	133,721
	Fish, Wildlife & Environmental	6.38	15	38,200	27,000	11,200
	Conservation	6.46	20	38,300	38,300	0
	BOR/COE 7/	6.61	45	36,100	36,100	0
				260,418	115,497	144,921
2000	Construction	6.46	45	169,800	14,374	155,426
	Fish, Wildlife & Environmental	6.36	15	38,900	27,000	11,900
	Conservation	6.39	20	30,800	30,800	0
	BOR/COE 7/	6.46	45	51,500	51,500	0
				291,000	123,674	167,326
2001	Construction	6.40	45	204,200	12,505	191,695
	Fish, Wildlife & Environmental	6.31	15	39,400	27,000	12,400
	Conservation	6.34	20	30,600	30,600	0
	BOR/COE 7/	6.40	45	56,700	56,700	0
				330,900	126,805	204,095

1/ Projected borrowing over the cost evaluation period includes FYs 1995-01.

2/ On 1/31/95, \$55 million construction bond was issued, callable at par.

3/ On 7/31/95, \$50 million construction bond was issued.

4/ On 8/31/95, \$65 million construction bond was issued.

5/ On 8/31/95, \$35 million fish/wildlife bond was issued.

6/ On 5/31/95, \$85 million conservation bond was issued.

7/ Bonds issued for this purpose are construction.

8/ On 5/31/95, \$35 million COE/BOR bond was issued.

9/ On 1/31/96, \$60 million construction bond was issued.

10/ On 1/31/96, \$30 million conservation bond was issued.

TABLE :

**HISTORICAL INTEREST RATES APPLICABLE TO THE BUREAU OF RECLAMA
AND TO THE DEPARTMENT OF ENERGY'S POWER MARKETING ADMINISTRAT**

FOOTNOTES:

- 1/ Coupon rate rounded down. Budget Circular A-47, Dec. 31, 1952 (rescinded May 15, 1962)
- 2/ Prior to Dec. 24, 1968, coupon rate rounded, S.D. 97, 1962. Following that date, WRC directive specifies constrained yield rate rounded. Federal Register, December 24, 1968.
- 3/ For years 1960 and earlier, yield rate rounded. P.L. 84-485, Apr. 11, 1956. For years following 1960, coupon rate. P.L. 86-529, June 27, 1960.
- 4/ Prior to Sept. 2, 1966, yield rate rounded. P.L. 84-984, Aug. 6, 1956. Following that date, coupon rate rounded. P.L. 89-553, Sept. 2, 1966.
- 5/ Department Manual 730 (change limited to 1/2 percent per year) (average yield is rounded to nearest 1/8 percent). In DOE, DM 730 was replaced by RA 6120.2, dated 9/20/79. Interest rates as shown are applicable except as covered by law.
- 6/ New Guidelines, Principles and Standards, effective 10/25/7
- 7/ Revised by P.L. 93-251, Water Resources Development Act of 1974, dated 3/7/74.
- 8/ The DOE Act., P.L. 95-91, dated Aug. 4, 1977, transferred the power marketing functions of the Bureau of Reclamation, DOI to the DOE; and transferred the BPA, SEPA, SWPA, and APA from DOI to DOE.
- 9/ BPA interest rate negotiated; average interest rate weighted by total long-term bonds issued
- 10/ No long-term bonds were issued in FY 1977
- 11/ Power DM-730 and RA 6120.2; U.S. Treasury Rates:

FY	Yield Rate	Yield Rate Rounded
1971	6.420	6.375
1972	6.070	6.125
1973	5.550	5.500
1974	5.670	5.625
1975	6.500	6.500
1976	6.946	7.000
1977	6.947	7.000
1978	6.942	7.000
1979	7.585	7.625

FY	Yield Rate	Yield Rate Rounded
1980	8.230	8.250
1981	10.189	10.250
1982	12.388	12.375
1983	13.000	13.000
1984	10.710	10.750
1985	12.380	12.375
1986	11.400	11.375
1987	8.890	8.875
1988	8.470	8.500

FY	Yield Rate	Yield Rate Rounded
1989	9.200	9.250
1990	8.910	8.875
1991	8.690	8.750
1992	8.500	8.500
1993	7.870	7.875
1994	7.080	7.125
1995	7.580	7.625

12/ The one-half percent yearly cap was removed.

Statement C - Appendix 2

Federal Columbia River Power System
Analysis of Funds Returned to the United States Treasury For Cash Amortization
Cumulative through September 30, 1995
(\$ Thousands)

	Cumulative Cash <u>Amortization</u>
Bonneville Power Administration	1,881,901
Bureau projects:	
Boise	11,209
Columbia Basin	207,778
Hungry Horse	60,935
Minidoka-Palisades	15,014
Yakima	2,541
Total Bureau projects	297,477
Corps projects:	
Albeni Falls	12,001
Bonneville	90,086
Chief Joseph	38,126
Columbia River Fish Bypass	130,143
Cougar	3,034
Detroit-Big Cliff	10,211
Dworshak	12,985
Green Peter-Foster	1,132
Hills Creek	1,181
Ice Harbor	22,357
John Day	49,089
Libby	7,691
Little Goose	7,959
Lookout Point-Dexter	6,828
Lost Creek	408
Lower Granite	8,407
Lower Monumental	12,002
McNary	50,550
The Dalles	40,841
Total Corps projects	505,031
 Subtotal	 2,684,409
 Lower Snake Fish Hatcheries	 21,016
 Total	 2,705,425

Source: FRO, September 30, 1995

Notes: This table shows the cumulative amount of amortization paid on each project through FY 1995. Statement D shows the amortization paid by year for the last 5 years of the historical period and through the cost evaluation period.