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REPAYMENT STUDY INPUT PARAMETERS

06/07/96

ACCURACY: .000050  
LOW INITIAL VALUE: 1.000  
HIGH INITIAL VALUE: 1.500  
YEAR RUN: 1996  
CYCLE: TI6  
CB REPL: DUM  
BPA REPL: I96

INTERMEDIATE REPORTS REQUESTED:

CODE	NAME
2	SIX PAGE MASTER SUMMARY TABLES
8	LIST INTEREST BY YEAR AND PROJECT
9	APPLICATION OF AMORTIZATION

FINAL REPORTS REQUESTED:

CODE	NAME
2	SIX PAGE MASTER SUMMARY TABLES
8	LIST INTEREST BY YEAR AND PROJECT
9	APPLICATION OF AMORTIZATION

COMMENT: TRN FIN 96 RATE CASE 1997-2001 BO

1 INPUT CARDS ONLY

N1 REPAYMENT STUDY FOR 1996 FINAL RATE FILING  
N2 OCTOBER 1,1996 - SEPTEMBER 30,1997 COST EVALUATION PERIOD  
N3 REPAY 97 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT  
N0 TRANSMISSION

11996 0 0 0 199720422042  
0 HISTORICAL YEAR: 1996

HISTORICAL CUMULATIVE REVENUES: 0  
 HISTORICAL CUMULATIVE PURCHASE & EXCHANGE: 0  
 HISTORICAL CUMULATIVE IRRIGATION INVESTMENT: 0  
 YEAR OF THE RATE CHANGE: 1997  
 LAST YEAR OF REPAYMENT PERIOD: 2042

INTEREST RATES OF INTEREST INCOME

1X07495

INTEREST RATES OF NEW DEFERRALS

1Y06500

OPERATING YEAR FACTORS

1F75000

PROJECTED REVENUE

21997	335220	335220	335220	335220	335220	335220	335220	2346540
22003	335220	335220	335220	335220	335220	335220	335220	2346540
22010	335220	335220	335220	335220	335220	335220	335220	2346540
22017	335220	335220	335220	335220	335220	335220	335220	2346540
22024	335220	335220	335220	335220	335220	335220	335220	2346540
22031	335220	335220	335220	335220	335220	335220	335220	2346540
22038	335220	335220	335220	335220	335220	335220	335220	2346540
22045	335220	335220	335220	335220	335220			1676100
	2681760	2681760	2681760	2681760	2681760	2346540	2346540	18101880 = TOT

AL FOR 2

PROJECTED IRRIGATION ASSISTANCE

	NEW INVESTMENT	NEW INVESTMENT	NEW INVESTMENT	
31997	0	0	0	0
31999	0	0	0	0
32002	0	0	0	0

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32005	0	0	0	0	0
32008	0	0	0	0	0
32011	0	0	0	0	0
32014	0	0	0	0	0
32017	0	0	0	0	0
32020	0	0	0	0	0
32023	0	0	0	0	0
32026	0	0	0	0	0
32029	0	0	0	0	0
32032	0	0	0	0	0
32035	0	0	0	0	0
32038	0	0	0	0	0
32041	0	0	0	0	0
32044	0	0	0	0	0
	0	0	0	0	0 = TOT

AL FOR 3

CAPITALIZED CONTRACTUAL OBLIGATIONS

41997	0	-866	-902	-938	-972	-1004	-1036	-5718
42004	-1067	-1098	-1128	-1157	-1185	-1213	-1240	-8088
42011	-1267	-1293	-1318	-1344	-1368	-1391	-1414	-9395
42018	-1437	-1459	-1480	-1501	-1520	-1539	-1557	-10493
42025	-1576	-1592	-1607	-1622	-1637	-1649	-1660	-11343
42032	-1670	-1679	-1686	-1692	-1697	-1698	-1695	-11817
42039	-1691	-1686	-1685	-1684				-6746
	-8708	-9673	-9806	-9938	-8379	-8494	-8602	-63600 = TOT

AL FOR 4

- 5 ALBE ALBENI FALLS
- 5 BOIS BOISE
- 5 BON2 BONNEVILLE - 2ND POWER HOUSE
- 5 BONN BONNEVILLE
- 5 CHIE CHIEF JOSEPH
- 5 COL3 COLUMBIA BASIN- 3RD POWER HOUSE
- 5 COLU COLUMBIA BASIN
- 5 COUG COUGAR

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5	CRFB	COLUMBIA RIVER FISH MITIGATION
5	DETR	DETROIT-BIG CLIFF
5	DWOR	DWORSHAK
5	GREE	GREEN PETER-FOSTER
5	HILL	HILLS CREEK
5	HUNG	HUNGRY HORSE
5	ICEH	ICE HARBOR
5	JOHN	JOHN DAY
5	LIBB	LIBBY
5	LITT	LITTLE GOOSE
5	LOOK	LOOKOUT POINT-DEXTER
5	LOST	LOST CREEK
5	LOWG	LOWER GRANITE
5	LOWM	LOWER MONUMENTAL
5	LSFW	LOWER SNAKE F AND W
5	MCNA	MCNARY
5	MINI	MINIDOKA
5	STRU	STRUBE
5	THED	THE DALLES
5	YAKC	YAKIMA-CHANDLER
5	YAKR	YAKIMA-ROZA
5	ZABF	BPA PROGRAM
5	ZADB	BUREAU DIRECT FUND
5	ZAFW	FISH, WILDLIFE & ENVIRONMENTAL
5	ZBPA	BONNEVILLE POWER ADMINISTRATION

HISTORICAL

	O & M	INTEREST	
5	ALBEX	0	0
5	BOISX	0	0
5	BONNX	0	0
5	CHIEX	0	0
5	COLUX	0	0
5	COUGX	0	0
5	DETRX	0	0
5	DWORX	0	0
5	GREEX	0	0
5	HILLX	0	0
5	HUNGX	0	0

5	ICEHX	0	0	0
5	JOHNX	0	0	0
5	LIBBX	0	0	0
5	LITTX	0	0	0
5	LOOKX	0	0	0
5	LOSTX	0	0	0
5	LOWGX	0	0	0
5	LOWMX	0	0	0
5	MCNAX	0	0	0
5	MINIX	0	0	0
5	THEDX	0	0	0
5	YAKCX	0	0	0
5	YAKRX	0	0	0
5	ZBPAX	0	0	0
5	ZACOX	0	0	0
		0	0	0 = TOT

AL FOR 5

PROJECTED O & M

61996ALBE	0
61996BONN	81
61997BONN	81
61996CHIE	0
61996COUG	0
61996DETR	0
61996DWOR	32
61997DWOR	32
61996GREE	0
61996HILL	0
61996ICEH	43
61997ICEH	43
61996JOHN	0
61996LIBB	0
61996LITT	0
61996LOOK	0
61996LOST	0
61996LOWG	0
61996LOWM	0

61996MCNA	0
61996THED	0
61996BOIS	174
61997BOIS	173
61996COLU	3915
61997COLU	3847
61996HUNG	20
61997HUNG	19
61996MINI	271
61997MINI	107
61996YAKC	98
61997YAKC	98
61996YAKR	97
61997YAKR	98
61996LSFW	0
	9229

9229 = TOT

AL FOR 6

61995ZABF	0
	0

0 = TOT

AL FOR 6

HISTORICAL FEDERAL INVESTMENTS

			ORIGINAL	CURRENT	INTEREST	DUE	INSERVICE	CALENDAR
	PROJECT		PRINCIPAL	PRINCIPAL	RATE	DATE	DATE	MONTH
6	1996	BOIS X	285	0	.03000	1962	1912	
6	1996	BOIS X	190	0	.03000	1976	1926	
6	1996	BOIS X	95	0	.03000	2000	1950	
6	1996	BOIS X	428	0	.03000	2001	1951	
6	1996	BOIS X	3	0	.03000	2001 R	1952	
6	1996	BOIS X	3	0	.03000	2001 R	1953	
6	1996	BOIS X	3	0	.03000	2001 R	1954	
6	1996	BOIS X	3	0	.03000	2001 R	1955	
6	1996	BOIS X	3	0	.03000	2001 R	1956	

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6	1996	BOIS	X	3	0	.03000	2001	R	1957
6	1996	BOIS	X	3	0	.03000	2001	R	1958
6	1996	BOIS	X	3	0	.03000	2001	R	1959
6	1996	BOIS	X	3	0	.03000	2001	R	1960
6	1996	BOIS	X	3	0	.03000	2001	R	1961
6	1996	BOIS	X	3	0	.03000	2001	R	1962
6	1996	BOIS	X	3	0	.03000	2001	R	1963
6	1996	BOIS	X	3	0	.03000	2001	R	1964
6	1996	BOIS	X	3	0	.03000	2001	R	1965
6	1996	BOIS	X	3	0	.03000	2001	R	1966
6	1996	BOIS	X	3	0	.03000	2001	R	1967
6	1996	BOIS	X	3	0	.03000	2001	R	1968
6	1996	BOIS	X	3	0	.03000	2001	R	1969
6	1996	BOIS	X	3	0	.03000	2001	R	1970
6	1996	BOIS	X	3	0	.03000	2001	R	1971
6	1996	BOIS	X	3	0	.03000	2001	R	1972
6	1996	BOIS	X	3	0	.03000	2001	R	1973
6	1996	BOIS	X	3	0	.03000	2001	R	1974
6	1996	BOIS	X	3	0	.03000	2001	R	1975
6	1996	BOIS	X	3	0	.03000	2001	R	1976
6	1996	BOIS	X	3	0	.03000	2001	R	1977
6	1996	BOIS	X	3	0	.03000	2001	R	1978
6	1996	BOIS	X	3	0	.03000	2001	R	1979
6	1996	BOIS	X	4	0	.03000	2001	R	1980
6	1996	BOIS	X	2	0	.03000	2001	R	1981
6	1996	BOIS	X	1	0	.03000	2001	R	1982
6	1996	BOIS	X	2	0	.03000	2001	R	1983
6	1996	BOIS	X	303	0	.10750	2001	R	1984
6	1996	BON2	X	502	502	.06490	2031	A	1981
6	1996	BON2	X	2495	2495	.06490	2032	A	1982
6	1996	BON2	X	765	765	.06490	2033	A	1983
6	1996	BONN	X	130	0	.02500	1988		1938
6	1996	BONN	X	196	0	.02500	1991		1941
6	1996	BONN	X	65	0	.02500	1992		1942
6	1996	BONN	X	196	0	.02500	1993		1943
6	1996	BONN	X	65	0	.02500	1994		1944
6	1996	BONN	X	1	0	.02500	1994	R	1945
6	1996	BONN	X	1	0	.02500	1994	R	1946
6	1996	BONN	X	1	0	.02500	1994	R	1947

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6	1996	BONN	X	1	0	.02500	1994 R	1948
6	1996	BONN	X	1	0	.02500	1994 R	1949
6	1996	BONN	X	1	0	.02500	1994 R	1950
6	1996	BONN	X	1	0	.02500	1994 R	1951
6	1996	BONN	X	1	0	.02500	1994 R	1952
6	1996	BONN	X	1	0	.02500	1994 R	1953
6	1996	BONN	X	1	0	.02500	1994 R	1954
6	1996	BONN	X	1	0	.02500	1994 R	1955
6	1996	BONN	X	1	0	.02500	1994 R	1956
6	1996	BONN	X	1	0	.02500	1994 R	1957
6	1996	BONN	X	1	0	.02500	1994 R	1958
6	1996	BONN	X	1	0	.02500	1994 R	1959
6	1996	BONN	X	1	0	.02500	1994 R	1960
6	1996	BONN	X	1	0	.02500	1994 R	1961
6	1996	BONN	X	1	0	.02500	1994 R	1962
6	1996	BONN	X	1	0	.02500	1994 R	1963
6	1996	BONN	X	1	0	.02500	1994 R	1964
6	1996	BONN	X	1	0	.02500	1994 R	1965
6	1996	BONN	X	1	0	.02500	1994 R	1966
6	1996	BONN	X	1	0	.02500	1994 R	1967
6	1996	BONN	X	1	0	.02500	1994 R	1968
6	1996	BONN	X	1	0	.02500	1994 R	1969
6	1996	BONN	X	1	0	.02500	1994 R	1970
6	1996	BONN	X	1	0	.02500	1994 R	1971
6	1996	BONN	X	1	0	.02500	1994 R	1972
6	1996	BONN	X	1	0	.02500	1994 R	1973
6	1996	BONN	X	1	0	.02500	1994 R	1974
6	1996	BONN	X	1	0	.02500	1994 R	1975
6	1996	BONN	X	1	0	.02500	1994 R	1976
6	1996	BONN	X	1	0	.02500	1994 R	1977
6	1996	BONN	X	1	0	.02500	1994 R	1978
6	1996	BONN	X	1	0	.02500	1994 R	1979
6	1996	BONN	X	1	0	.02500	1994 R	1980
6	1996	BONN	X	1	0	.02500	1994 R	1981
6	1996	BONN	X	1	0	.02500	1994 R	1982
6	1996	BONN	X	1	0	.02500	1994 R	1983
6	1996	BONN	X	10	0	.10750	1994 R	1984
6	1996	COL3	X	9469	8202	.06470	2025 A	1975
6	1996	COL3	X	8834	8834	.06490	2026 A	1976



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6	1996	COL3	X	8761	8761	.06490	2027	A	1977
6	1996	COL3	X	8692	8692	.06490	2028	A	1978
6	1996	COL3	X	17254	17254	.06490	2029	A	1979
6	1996	COL3	X	3486	3486	.06490	2033	A	1984
6	1996	COL3	X	2273	2273	.06490	2033	A	1985
6	1996	COL3	X	2041	2041	.06490	2033	A	1986
6	1996	COL3	X	1908	1908	.06490	2033	A	1987
6	1996	COL3	X	2531	2531	.06490	2033	A	1988
6	1996	COLU	X	1505	0	.03000	1991		1941
6	1996	COLU	X	3011	0	.03000	1992		1942
6	1996	COLU	X	1505	0	.03000	1993		1943
6	1996	COLU	X	3011	0	.03000	1994		1944
6	1996	COLU	X	4516	0	.03000	1998		1948
6	1996	COLU	X	4516	0	.03000	1999		1949
6	1996	COLU	X	3011	0	.03000	2000		1950
6	1996	COLU	X	5847	1494	.05810	2001		1951
6	1996	COLU	X	50	50	.05810	2001	R	1952
6	1996	COLU	X	50	50	.05810	2001	R	1953
6	1996	COLU	X	50	50	.05810	2001	R	1954
6	1996	COLU	X	50	50	.05810	2001	R	1955
6	1996	COLU	X	50	50	.05810	2001	R	1956
6	1996	COLU	X	50	50	.05810	2001	R	1957
6	1996	COLU	X	50	50	.05810	2001	R	1958
6	1996	COLU	X	50	50	.05810	2001	R	1959
6	1996	COLU	X	50	50	.05810	2001	R	1960
6	1996	COLU	X	50	50	.05810	2001	R	1961
6	1996	COLU	X	50	50	.05810	2001	R	1962
6	1996	COLU	X	50	50	.05810	2001	R	1963
6	1996	COLU	X	50	50	.05810	2001	R	1964
6	1996	COLU	X	50	50	.05810	2001	R	1965
6	1996	COLU	X	50	50	.05810	2001	R	1966
6	1996	COLU	X	50	50	.05810	2001	R	1967
6	1996	COLU	X	50	50	.05810	2001	R	1968
6	1996	COLU	X	50	50	.05810	2001	R	1969
6	1996	COLU	X	50	50	.05810	2001	R	1970
6	1996	COLU	X	50	50	.05810	2001	R	1971
6	1996	COLU	X	50	50	.05810	2001	R	1972
6	1996	COLU	X	50	50	.05810	2001	R	1973
6	1996	COLU	X	50	50	.05810	2001	R	1974

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6	1996	COLU	X	50	50	.05810	2001	R	1975
6	1996	COLU	X	50	50	.05810	2001	R	1976
6	1996	COLU	X	50	50	.05810	2001	R	1977
6	1996	COLU	X	50	50	.05810	2001	R	1978
6	1996	COLU	X	50	50	.05810	2001	R	1979
6	1996	COLU	X	50	50	.05810	2001	R	1980
6	1996	COLU	X	50	50	.05810	2001	R	1981
6	1996	COLU	X	50	50	.05810	2001	R	1982
6	1996	COLU	X	50	50	.05810	2001	R	1983
6	1996	COLU	X	1455	0	.10750	2001	R	1984
6	1996	COLU	X	362	0	.12375	2001	R	1985
6	1996	COLU	X	12	12	.05810	2001		1985
6	1996	COLU	X	2	0	.08500	2001	R	1988
6	1996	COLU	X	652	0	.08500	2001		1992
6	1996	DWOR	X	929	896	.06430	2023		1973
6	1996	DWOR	X	4	4	.06430	2023	R	1974
6	1996	DWOR	X	4	4	.06430	2023	R	1975
6	1996	DWOR	X	4	4	.06430	2023	R	1976
6	1996	DWOR	X	4	4	.06430	2023	R	1977
6	1996	DWOR	X	4	4	.06430	2023	R	1978
6	1996	DWOR	X	4	4	.06430	2023	R	1979
6	1996	DWOR	X	4	4	.06430	2023	R	1980
6	1996	DWOR	X	4	4	.06430	2023	R	1981
6	1996	DWOR	X	4	4	.06430	2023	R	1982
6	1996	DWOR	X	4	4	.06430	2023	R	1983
6	1996	DWOR	X	15	0	.10750	2023	R	1984
6	1996	HUNG	X	2152	516	.05950	2003		1953
6	1996	HUNG	X	1	1	.05950	2003	R	1954
6	1996	HUNG	X	1	1	.05950	2003	R	1955
6	1996	HUNG	X	1	1	.05950	2003	R	1956
6	1996	HUNG	X	1	1	.05950	2003	R	1957
6	1996	HUNG	X	1	1	.05950	2003	R	1958
6	1996	HUNG	X	1	1	.05950	2003	R	1959
6	1996	HUNG	X	1	1	.05950	2003	R	1960
6	1996	HUNG	X	1	1	.05950	2003	R	1961
6	1996	HUNG	X	1	1	.05950	2003	R	1962
6	1996	HUNG	X	1	1	.05950	2003	R	1963
6	1996	HUNG	X	1	1	.05950	2003	R	1964
6	1996	HUNG	X	1	1	.05950	2003	R	1965

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6	1996	HUNG	X	1	1	.05950	2003	R	1966
6	1996	HUNG	X	1	1	.05950	2003	R	1967
6	1996	HUNG	X	1	1	.05950	2003	R	1968
6	1996	HUNG	X	1	1	.05950	2003	R	1969
6	1996	HUNG	X	1	1	.05950	2003	R	1970
6	1996	HUNG	X	1	1	.05950	2003	R	1971
6	1996	HUNG	X	1	1	.05950	2003	R	1972
6	1996	HUNG	X	1	1	.05950	2003	R	1973
6	1996	HUNG	X	1	1	.05950	2003	R	1974
6	1996	HUNG	X	1	1	.05950	2003	R	1975
6	1996	HUNG	X	1	1	.05950	2003	R	1976
6	1996	HUNG	X	1	1	.05950	2003	R	1977
6	1996	HUNG	X	1	1	.05950	2003	R	1978
6	1996	HUNG	X	1	1	.05950	2003	R	1979
6	1996	HUNG	X	1	1	.05950	2003	R	1980
6	1996	HUNG	X	1	1	.05950	2003	R	1981
6	1996	HUNG	X	1	1	.05950	2003	R	1982
6	1996	HUNG	X	1	1	.05950	2003	R	1983
6	1996	HUNG	X	1	0	.10750	2003	R	1984
6	1996	HUNG	X	37	0	.12375	2003	R	1985
6	1996	HUNG	X	9	0	.08500	2003		1992
6	1996	ICEH	X	719	548	.06220	2012		1962
6	1996	ICEH	X	1	1	.06220	2012	R	1963
6	1996	ICEH	X	1	1	.06220	2012	R	1964
6	1996	ICEH	X	1	1	.06220	2012	R	1965
6	1996	ICEH	X	1	1	.06220	2012	R	1966
6	1996	ICEH	X	1	1	.06220	2012	R	1967
6	1996	ICEH	X	1	1	.06220	2012	R	1968
6	1996	ICEH	X	1	1	.06220	2012	R	1969
6	1996	ICEH	X	1	1	.06220	2012	R	1970
6	1996	ICEH	X	1	1	.06220	2012	R	1971
6	1996	ICEH	X	1	1	.06220	2012	R	1972
6	1996	ICEH	X	1	1	.06220	2012	R	1973
6	1996	ICEH	X	1	1	.06220	2012	R	1974
6	1996	ICEH	X	1	1	.06220	2012	R	1975
6	1996	ICEH	X	250	250	.06490	2026	A	1976
6	1996	ICEH	X	1	1	.06220	2012	R	1976
6	1996	ICEH	X	1	1	.06220	2012	R	1977
6	1996	ICEH	X	1	1	.06220	2012	R	1978

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6	1996	ICEH X	1	1	.06220	2012 R	1979
6	1996	ICEH X	1	1	.06220	2012 R	1980
6	1996	ICEH X	1	1	.06220	2012 R	1981
6	1996	ICEH X	1	1	.06220	2012 R	1982
6	1996	ICEH X	1	1	.06220	2012 R	1983
6	1996	ICEH X	1	0	.08875	2012 R	1987
6	1996	MINI X	226	0	.03000	1959	1909
6	1996	MINI X	451	0	.03000	1960	1910
6	1996	MINI X	451	0	.03000	1961	1911
6	1996	MINI X	226	0	.03000	1977	1927
6	1996	MINI X	226	0	.03000	1992	1942
6	1996	MINI X	677	0	.03000	2007	1957
6	1996	MINI X	226	0	.03000	2008	1958
6	1996	MINI X	28	0	.03000	2008 R	1959
6	1996	MINI X	29	0	.03000	2008 R	1960
6	1996	MINI X	29	0	.03000	2008 R	1961
6	1996	MINI X	28	0	.03000	2008 R	1962
6	1996	MINI X	29	0	.03000	2008 R	1963
6	1996	MINI X	28	0	.03000	2008 R	1964
6	1996	MINI X	29	0	.03000	2008 R	1965
6	1996	MINI X	29	0	.03000	2008 R	1966
6	1996	MINI X	28	0	.03000	2008 R	1967
6	1996	MINI X	29	0	.03000	2008 R	1968
6	1996	MINI X	28	0	.03000	2008 R	1969
6	1996	MINI X	29	0	.03000	2008 R	1970
6	1996	MINI X	29	0	.03000	2008 R	1971
6	1996	MINI X	28	0	.03000	2008 R	1972
6	1996	MINI X	29	0	.03000	2008 R	1973
6	1996	MINI X	28	0	.03000	2008 R	1974
6	1996	MINI X	29	0	.03000	2008 R	1975
6	1996	MINI X	29	0	.03000	2008 R	1976
6	1996	MINI X	28	0	.03000	2008 R	1977
6	1996	MINI X	22	22	.06150	2008 R	1978
6	1996	MINI X	21	21	.06150	2008 R	1979
6	1996	MINI X	22	22	.06150	2008 R	1980
6	1996	MINI X	22	22	.06150	2008 R	1981
6	1996	MINI X	21	21	.06150	2008 R	1982
6	1996	MINI X	22	22	.06150	2008 R	1983
6	1996	MINI X	11	0	.10750	2008 R	1984

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6	1996	YAKC	X	507	242	.06410	2022	1956
6	1996	YAKC	X	1	1	.06410	2022 R	1959
6	1996	YAKC	X	1	1	.06410	2022 R	1960
6	1996	YAKC	X	1	1	.06410	2022 R	1961
6	1996	YAKC	X	1	1	.06410	2022 R	1962
6	1996	YAKC	X	1	1	.06410	2022 R	1963
6	1996	YAKC	X	1	1	.06410	2022 R	1964
6	1996	YAKC	X	1	1	.06410	2022 R	1965
6	1996	YAKC	X	1	1	.06410	2022 R	1966
6	1996	YAKC	X	1	1	.06410	2022 R	1967
6	1996	YAKC	X	1	1	.06410	2022 R	1968
6	1996	YAKC	X	1	1	.06410	2022 R	1969
6	1996	YAKC	X	1	1	.06410	2022 R	1970
6	1996	YAKC	X	1	1	.06410	2022 R	1971
6	1996	YAKC	X	1	1	.06410	2022 R	1972
6	1996	YAKC	X	1	1	.06410	2022 R	1973
6	1996	YAKC	X	1	1	.06410	2022 R	1974
6	1996	YAKC	X	1	1	.06410	2022 R	1975
6	1996	YAKC	X	1	1	.06410	2022 R	1976
6	1996	YAKC	X	1	1	.06410	2022 R	1977
6	1996	YAKC	X	10	0	.10750	2022 R	1984
6	1996	YAKR	X	306	175	.06150	2008	1958
6	1996	YAKR	X	5	0	.10750	2008 R	1984

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6	1996	ZBPA	X	6812	0	.02500	1985	1940
6	1996	ZBPA	X	18906	0	.02500	1986	1941
6	1996	ZBPA	X	461	0	.02500	1986 R	1941
6	1996	ZBPA	X	8446	0	.02500	1987	1942
6	1996	ZBPA	X	1052	0	.02500	1987 R	1942
6	1996	ZBPA	X	16083	0	.02500	1988	1943
6	1996	ZBPA	X	4538	0	.02500	1988 R	1943
6	1996	ZBPA	X	583	0	.02500	1989	1944
6	1996	ZBPA	X	249	0	.02500	1989 R	1944
6	1996	ZBPA	X	1306	0	.02500	1990	1945

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6	1996	ZBPA	X	3366	0	.02500	1990	R	1945
6	1996	ZBPA	X	2488	0	.02500	1991		1946
6	1996	ZBPA	X	732	0	.02500	1991	R	1946
6	1996	ZBPA	X	1330	0	.02500	1992		1947
6	1996	ZBPA	X	1773	0	.02500	1992	R	1947
6	1996	ZBPA	X	7468	0	.02500	1993		1948
6	1996	ZBPA	X	2290	0	.02500	1993	R	1948
6	1996	ZBPA	X	6809	0	.02500	1994		1949
6	1996	ZBPA	X	2719	0	.02500	1994	R	1949
6	1996	ZBPA	X	24111	0	.02500	1995		1950
6	1996	ZBPA	X	6124	0	.02500	1995	R	1950
6	1996	ZBPA	X	7040	0	.02500	1996		1951
6	1996	ZBPA	X	13266	0	.02500	1996	R	1951
6	1996	ZBPA	X	18610	0	.02500	1997		1952
6	1996	ZBPA	X	8979	0	.02500	1997	R	1952
6	1996	ZBPA	X	32639	23927	.05450	1998		1953
6	1996	ZBPA	X	16085	11791	.05450	1998	R	1953
6	1996	ZBPA	X	24211	24211	.05580	1999		1954
6	1996	ZBPA	X	17809	17809	.05580	1999	R	1954
6	1996	ZBPA	X	12222	12222	.05690	2000		1955
6	1996	ZBPA	X	10626	10626	.05690	2000	R	1955
6	1996	ZBPA	X	15154	15154	.05810	2001		1956
6	1996	ZBPA	X	33508	33508	.05810	2001	R	1956
6	1996	ZBPA	X	8313	8313	.05880	2002		1957
6	1996	ZBPA	X	16745	16745	.05880	2002	R	1957
6	1996	ZBPA	X	16434	16434	.05950	2003		1958
6	1996	ZBPA	X	11228	11228	.05950	2003	R	1958
6	1996	ZBPA	X	8647	8647	.06000	2004		1959
6	1996	ZBPA	X	9395	9395	.06000	2004	R	1959
6	1996	ZBPA	X	3832	3832	.06050	2005		1960
6	1996	ZBPA	X	4492	4492	.06050	2005	R	1960
6	1996	ZBPA	X	4778	4778	.06110	2006		1961
6	1996	ZBPA	X	12053	12053	.06110	2006	R	1961
6	1996	ZBPA	X	21088	21088	.06130	2007		1962
6	1996	ZBPA	X	5248	5248	.06130	2007	R	1962
6	1996	ZBPA	X	5283	5283	.06150	2008		1963
6	1996	ZBPA	X	4692	4692	.06150	2008	R	1963
6	1996	ZBPA	X	978	978	.06150	2008		1963
6	1996	ZBPA	X	869	869	.06150	2008	R	1963

6	1996	ZBPA	X	4996	4996	.05160	2009		1964
6	1996	ZBPA	X	6907	6907	.05160	2009	R	1964
6	1996	ZBPA	X	4064	4064	.06180	2010		1965
6	1996	ZBPA	X	7948	7948	.06180	2010	R	1965
6	1996	ZBPA	X	5701	5701	.06180	2010		1965
6	1996	ZBPA	X	11146	11146	.06180	2010	R	1965
6	1996	ZBPA	X	13047	13047	.06200	2011		1966
6	1996	ZBPA	X	3363	3363	.06200	2011	R	1966
6	1996	ZBPA	X	7326	7326	.06200	2011		1966
6	1996	ZBPA	X	1889	1889	.06200	2011	R	1966
6	1996	ZBPA	X	21053	21053	.06220	2012		1967
6	1996	ZBPA	X	5059	5059	.06220	2012	R	1967
6	1996	ZBPA	X	15843	15843	.06220	2012		1967
6	1996	ZBPA	X	3807	3807	.06220	2012	R	1967
6	1996	ZBPA	X	45776	45776	.06240	2013		1968
6	1996	ZBPA	X	9001	9001	.06240	2013	R	1968
6	1996	ZBPA	X	25861	25861	.06240	2013		1968
6	1996	ZBPA	X	5085	5085	.06240	2013	R	1968
6	1996	ZBPA	X	47301	47301	.06260	2014		1969
6	1996	ZBPA	X	25239	25239	.06260	2014	R	1969
6	1996	ZBPA	X	430	430	.06260	2014		1969
6	1996	ZBPA	X	229	229	.06260	2014	R	1969
6	1996	ZBPA	X	73118	73118	.06280	2015		1970
6	1996	ZBPA	X	8997	8997	.06280	2015	R	1970
6	1996	ZBPA	X	27471	27471	.06280	2015		1970
6	1996	ZBPA	X	3380	3380	.06280	2015	R	1970
6	1996	ZBPA	X	13574	13574	.06300	2016		1971
6	1996	ZBPA	X	20054	20054	.06300	2016	R	1971
6	1996	ZBPA	X	13574	13476	.06300	2016		1971
6	1996	ZBPA	X	20054	19910	.06300	2016	R	1971
6	1996	ZBPA	X	32799	32799	.06320	2017		1972
6	1996	ZBPA	X	23677	23677	.06320	2017	R	1972
6	1996	ZBPA	X	4442	4442	.06320	2017		1972
6	1996	ZBPA	X	3206	3206	.06320	2017	R	1972
6	1996	ZBPA	X	44083	37664	.06340	2018		1973
6	1996	ZBPA	X	28255	24141	.06340	2018	R	1973
6	1996	ZBPA	X	26670	18212	.06340	2018		1973
6	1996	ZBPA	X	17094	11673	.06340	2018	R	1973
6	1996	ZBPA	X	13421	13421	.06360	2019		1974

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6	1996	ZBPA	X	23314	23314	.06360	2019	R	1974
6	1996	ZBPA	X	13977	13977	.06360	2019		1974
6	1996	ZBPA	X	24283	24283	.06360	2019	R	1974
6	1996	ZBPA	X	35527	35527	.06380	2020		1975
6	1996	ZBPA	X	24312	24312	.06380	2020	R	1975
6	1996	ZBPA	X	19025	19025	.06380	2020		1975
6	1996	ZBPA	X	13020	13020	.06380	2020	R	1975
6	1996	ZBPA	X	67534	67534	.06390	2021		1976
6	1996	ZBPA	X	2447	2447	.06390	2021	R	1976
6	1996	ZBPA	X	4354	4354	.06410	2022		1977
6	1996	ZBPA	X	5934	5934	.06410	2022	R	1977
6	1996	ZBPA	X	37113	37113	.06410	2022		1977
6	1996	ZBPA	X	51465	9613	.06410	2022	R	1977

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6	1995	ZABF	X	17770	0	.08950	2013		1978	09
6	1995	ZABF	X	24222	0	.08950	2013	R	1978	09
6	1995	ZABF	X	7010	0	.09450	2014		1979	06
6	1995	ZABF	X	9804	0	.09450	2014	R	1979	06
6	1995	ZABF	X	26690	0	.09450	2014		1979	06
6	1995	ZABF	X	21977	0	.09450	2014	R	1979	06
6	1995	ZABF	X	6026	0	.09450	2014	R	1979	06
6	1995	ZABF	X	21228	0	.09900	2014		1979	09
6	1995	ZABF	X	14340	0	.09900	2014	R	1979	09
6	1995	ZABF	X	10610	0	.09900	2014		1979	09
6	1995	ZABF	X	2888	0	.09900	2014	R	1979	09
6	1995	ZABF	X	39696	0	.13000	2015		1980	09
6	1995	ZABF	X	10806	0	.13000	2015	R	1980	09
6	1995	ZABF	X	44811	0	.13000	2015		1980	09
6	1995	ZABF	X	1469	0	.13000	2015	R	1980	09
6	1995	ZABF	X	9292	0	.13000	2015		1980	09
6	1995	ZABF	X	4253	0	.13000	2015	R	1980	09
6	1995	ZABF	X	119775	0	.16600	2016		1981	09
6	1995	ZABF	X	54821	0	.16600	2016	R	1981	09
6	1995	ZABF	X	34221	0	.14400	2017		1982	12



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6	1995	ZABF	X	15663	0	.14400	2017	R	1982	12	
6	1995	ZABF	X	9975	0	.14400	2017		1982	04	
6	1995	ZABF	X	4566	0	.14400	2017	R	1982	04	
6	1995	ZABF	X	46980	0	.14400	2017		1982	04	
6	1995	ZABF	X	37455	0	.14400	2017	R	1982	04	
6	1995	ZABF	X	3677	0	.14150	2017		1982	07	
6	1995	ZABF	X	-3677	0	.14150	2017		1987	07	
6	1995	ZABF	X	2932	0	.14150	2017	R	1982	07	
6	1995	ZABF	X	-2932	0	.14150	2017	R	1987	07	
6	1995	ZABF	X	77807	0	.14150	2017		1982	07	
6	1995	ZABF	X	-77807	0	.14150	2017		1987	07	
6	1995	ZABF	X	39741	0	.10850	2018		1983	11	
6	1995	ZABF	X	-39741	0	.10850	2018		1988	02	
6	1995	ZABF	X	29806	0	.11700	2018		1983	06	
6	1995	ZABF	X	814	0	.12250	2018		1983	09	
6	1995	ZABF	X	37235	0	.12250	2018		1983	09	
6	1995	ZABF	X	6708	0	.12250	2018	R	1983	09	
6	1995	ZABF	X	25283	0	.12300	2019		1984	11	
6	1995	ZABF	X	4555	0	.12300	2019	R	1984	11	
6	1995	ZABF	X	50567	0	.13050	2019		1984	09	
6	1995	ZABF	X	9109	0	.13050	2019	R	1984	09	
6	1995	ZABF	X	84278	0	.11250	2029		1985	06	
6	1995	ZABF	X	15182	0	.11250	2029	R	1985	06	
6	1995	ZABF	X	870	0	.08150	1996		1986	03	T
6	1995	ZABF	X	157	0	.08150	1996	R	1986	03	T
6	1995	ZABF	X	30161	0	.08150	1996		1986	03	T
6	1995	ZABF	X	68194	0	.08150	1996	R	1986	03	T
6	1995	ZABF	X	5161	0	.08950	2030		1986	06	
6	1995	ZABF	X	-5161	0	.08950	2030		1992	08	
6	1995	ZABF	X	11668	0	.08950	2030	R	1986	06	
6	1995	ZABF	X	-11668	0	.08950	2030	R	1992	08	
6	1995	ZABF	X	180054	0	.08950	2030		1986	06	
6	1995	ZABF	X	-180054	0	.08950	2030		1992	08	
6	1995	ZABF	X	3117	0	.08950	2030	R	1986	06	
6	1995	ZABF	X	-3117	0	.08950	2030	R	1992	08	
6	1995	ZABF	X	40000	0	.08950	2030	R	1986	06	
6	1995	ZABF	X	-40000	0	.08950	2030	R	1994	05	
6	1995	ZABF	X	57354	0	.08950	2030	R	1986	06	
6	1995	ZABF	X	43236	0	.09300	2031		1987	04	

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6	1995	ZABF	X	-43236	0	.09300	2031	1992	04	
6	1995	ZABF	X	54409	0	.09300	2031 R	1987	04	
6	1995	ZABF	X	-54409	0	.09300	2031 R	1992	04	
6	1995	ZABF	X	96519	0	.08350	1992	1987	06	T
6	1995	ZABF	X	4113	0	.09550	2017	1987	07	
6	1995	ZABF	X	3274	0	.09550	2017 R	1987	07	
6	1995	ZABF	X	86958	0	.09550	2017	1987	07	
6	1995	ZABF	X	7903	0	.09550	2032	1987	07	
6	1995	ZABF	X	3109	0	.09550	2032 R	1987	07	
6	1995	ZABF	X	37342	0	.09550	2032	1987	07	
6	1995	ZABF	X	43417	0	.09500	2018	1988	02	
6	1995	ZABF	X	28513	0	.09500	2033	1988	02	
6	1995	ZABF	X	-28513	0	.09500	2033	1994	10	
6	1995	ZABF	X	27887	0	.09500	2033 R	1988	02	
6	1995	ZABF	X	-27887	0	.09500	2033 R	1994	10	
6	1995	ZABF	X	20677	0	.09500	2033	1988	02	
6	1995	ZABF	X	-20677	0	.09500	2033	1994	10	
6	1995	ZABF	X	22923	0	.09500	2033 R	1988	02	
6	1995	ZABF	X	-22923	0	.09500	2033 R	1994	10	
6	1995	ZABF	X	45870	0	.09500	2033 R	1988	02	
6	1995	ZABF	X	-45870	0	.09500	2033 R	1994	05	
6	1995	ZABF	X	9018	0	.09900	2033	1988	06	
6	1995	ZABF	X	30004	0	.09900	2033 R	1988	06	
6	1995	ZABF	X	16909	16909	.08950	1999	1989	05	T
6	1995	ZABF	X	56257	56257	.08950	1999 R	1989	05	T
6	1995	ZABF	X	1149	1149	.09250	2030	1990	01	10
6	1995	ZABF	X	3824	3824	.09250	2030 R	1990	01	10
6	1995	ZABF	X	41894	41894	.09250	2030	1990	01	10
6	1995	ZABF	X	54145	0	.07550	1995	1991	02	T
6	1995	ZABF	X	147521	147521	.08800	2032	1992	04	
6	1995	ZABF	X	50000	50000	.07000	1997	1992	04	T
6	1995	ZABF	X	80000	0	.06200	1995	1992	04	T
6	1995	ZABF	X	28300	28300	.07000	1997	1992	04	T
6	1995	ZABF	X	150000	150000	.08130	2032	1992	07	
6	1995	ZABF	X	107800	107800	.06600	2000	1992	08	T
6	1995	ZABF	X	107700	107700	.07250	2007	1992	08	
6	1995	ZABF	X	50000	50000	.06050	1998	1993	10	T
6	1995	ZABF	X	88984	88984	.08350	2033	1993	10	
6	1995	ZABF	X	130000	130000	.07800	2033	1993	02	

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6	1995	ZABF	X	100000	100000	.07500	2033	1993	04		
6	1995	ZABF	X	110000	110000	.06950	2033	1993	08		
6	1995	ZABF	X	108400	108400	.06850	2033	1994	10		
6	1995	ZABF	X	43155	0	.07100	1998	1994	05	01	P
6	1995	ZABF	X	49489	0	.07100	1998	1994	05	01	P
6	1995	ZABF	X	35722	35722	.06850	2034	1994	10		
6	1995	ZABF	X	50000	50000	.07050	2034	1994	01		
6	1995	ZABF	X	50000	50000	.08200	2034	1994	05		
6	1995	ZABF	X	55000	0	.07650	1999	1994	09	01	P
6	1995	ZABF	X	55000	5010	.08350	2001	1995	01	01	P
6	1995	ZABF	X	41491	41491	.07700	2025	1995	07	05	
6	1995	ZABF	X	65000	65000	.07700	2025	1995	08	05	
6	1995	ZAFW	X	12100	12100	.07200	2010	1995	08	05	
6	1996	ZABF	X	148702	148702	.07240	2041	1996	03		
6	1996	ZAFW	X	15000	15000	.06950	2011	1996	03		
6	1997	ZABF	X	124330	124330	.06930	2042	1997	03		
6	1997	ZAFW	X	12200	12200	.06600	2012	1997	03		

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CORPS-BUREAU REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE
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BPA REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE
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6	1998	ZABF	X	98813	98813		2043	R	.06930
6	1999	ZABF	X	102788	102788		2044	R	.06930

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6	2000	ZABF	X	106539	106539	2045	R	.06930
6	2001	ZABF	X	110100	110100	2046	R	.06930
6	2002	ZABF	X	113572	113572	2047	R	.06930
6	2003	ZABF	X	116827	116827	2048	R	.06930
6	2004	ZABF	X	119911	119911	2049	R	.06930
6	2005	ZABF	X	122975	122975	2050	R	.06930
6	2006	ZABF	X	125960	125960	2051	R	.06930
6	2007	ZABF	X	128798	128798	2052	R	.06930
6	2008	ZABF	X	131365	131365	2053	R	.06930
6	2009	ZABF	X	133648	133648	2054	R	.06930
6	2010	ZABF	X	135560	135560	2055	R	.06930
6	2011	ZABF	X	137345	137345	2056	R	.06930
6	2012	ZABF	X	139153	139153	2057	R	.06930
6	2013	ZABF	X	140992	140992	2058	R	.06930
6	2014	ZABF	X	142850	142850	2059	R	.06930
6	2015	ZABF	X	144820	144820	2060	R	.06930
6	2016	ZABF	X	146849	146849	2061	R	.06930
6	2017	ZABF	X	148881	148881	2062	R	.06930
6	2018	ZABF	X	150952	150952	2063	R	.06930
6	2019	ZABF	X	152975	152975	2064	R	.06930
6	2020	ZABF	X	154950	154950	2065	R	.06930
6	2021	ZABF	X	156828	156828	2066	R	.06930
6	2022	ZABF	X	158569	158569	2067	R	.06930
6	2023	ZABF	X	160210	160210	2068	R	.06930
6	2024	ZABF	X	161746	161746	2069	R	.06930
6	2025	ZABF	X	163117	163117	2070	R	.06930
6	2026	ZABF	X	164426	164426	2071	R	.06930
6	2027	ZABF	X	165743	165743	2072	R	.06930
6	2028	ZABF	X	167031	167031	2073	R	.06930
6	2029	ZABF	X	168340	168340	2074	R	.06930
6	2030	ZABF	X	169735	169735	2075	R	.06930
6	2031	ZABF	X	171171	171171	2076	R	.06930
6	2032	ZABF	X	172629	172629	2077	R	.06930
6	2033	ZABF	X	174111	174111	2078	R	.06930
6	2034	ZABF	X	175620	175620	2079	R	.06930
6	2035	ZABF	X	177071	177071	2080	R	.06930
6	2036	ZABF	X	178418	178418	2081	R	.06930
6	2037	ZABF	X	179644	179644	2082	R	.06930
6	2038	ZABF	X	180758	180758	2083	R	.06930

					Prtt.txt	
6	2039	ZABF X	181720	181720	2084 R	.06930
6	2040	ZABF X	182577	182577	2085 R	.06930
6	2041	ZABF X	183376	183376	2086 R	.06930
6	2042	ZABF X	184119	184119	2087 R	.06930

NUMBER OF INVESTMENTS FOR THIS STUDY IS 527

1  
1

REPAYMENT STUDY FOR 1996 FINAL RATE FILING  
 OCTOBER 1,1996 - SEPTEMBER 30,1997 COST EVALUATION PERIOD  
 REPAY 97 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT  
 TRANSMISSION

SUMMARY OF SOLUTION STEPS

PRIMARY ITERATION NUMBER	TRIAL REVENUE FACTOR	SECONDARY ITERATIONS REQUIRED	RESULTS
1	1.000000	2	CONVERGED TO A VALID REPAYMENT SCHEDULE
2	.500000	1	DIVERGING, TOTAL NEGATIVE BALANCES OF *****
3	.750000	1	DIVERGING, TOTAL NEGATIVE BALANCES OF 6711043.0
4	.870000	1	DIVERGING, TOTAL NEGATIVE BALANCES OF 3912286.0
5	.930000	1	DIVERGING, TOTAL NEGATIVE BALANCES OF 2060306.0
6	.960000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2030
7	.980000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2037

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8	.990000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2042
9	.995000	3	CONVERGED TO A VALID REPAYMENT SCHEDULE
10	.992500	3	CONVERGED TO A VALID REPAYMENT SCHEDULE
11	.991200	3	CONVERGED TO A VALID REPAYMENT SCHEDULE
12	.990600	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2042
13	.990900	3	CONVERGED TO A VALID REPAYMENT SCHEDULE
14	.990750	3	CONVERGED TO A VALID REPAYMENT SCHEDULE
15	.990670	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2042
16	.990710	3	ANNUAL REVENUES INSUFFICIENT IN YEAR 2042
17	.990750	1	CONVERGED TO MINIMUM REPAYMENT SCHEDULE

1  
106/07/96  
T E M  
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PAGE

F E D E R A L C O L U M B I A R I V E R P O W E R S Y S

REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,1996 - SEPTEMBER 30,1997 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE A FISCAL

0	1	2	3	4	5	6	7
8							
OF FISCAL				PURCHASE			
YEAR				AND			
	REVENUE		ANNUAL	EXCHANGE	GROSS		IRRIGATION
ENDING	REVENUE		OBLIGATIONS	POWER	INTEREST	AMORTIZATION	AMORTIZATIO
SEPT 30	REQUIREMENT	=					
N + (-)	DEFICIT						

OCUMULATIVE  
1996

1,951,722

1997	332,119	4,498		206,932	120,689
1998	332,119	4,498	-866	205,391	123,096
1999	332,119	4,498	-902	202,087	126,436
2000	332,119	4,498	-938	198,717	129,842
2001	332,119	4,498	-972	202,531	126,062
2002	332,119	4,498	-1,004	202,477	126,148
2003	332,119	4,498	-1,036	200,022	128,635
2004	332,119	4,498	-1,067	198,446	130,242
2005	332,119	4,498	-1,098	196,998	131,721
2006	332,119	4,498	-1,128	194,491	134,258
2007	332,119	4,498	-1,157	187,758	141,020
2008	332,119	4,498	-1,185	192,479	136,327
2009	332,119	4,498	-1,213	192,102	136,732
2010	332,119	4,498	-1,240	189,419	139,442
2011	332,119	4,498	-1,267	189,455	139,433
2012	332,119	4,498	-1,293	189,182	139,732

			Prtt.txt		
2013	332,119	4,498	-1,318	188,409	140,530
2014	332,119	4,498	-1,344	189,663	139,302
2015	332,119	4,498	-1,368	188,804	140,185
2016	332,119	4,498	-1,391	191,907	137,105
2017	332,119	4,498	-1,414	193,226	135,809
2018	332,119	4,498	-1,437	193,460	135,598
2019	332,119	4,498	-1,459	195,839	133,241
2020	332,119	4,498	-1,480	197,026	132,075
2021	332,119	4,498	-1,501	200,070	129,052
2022	332,119	4,498	-1,520	202,889	126,252
2023	332,119	4,498	-1,539	207,595	121,565
2024	332,119	4,498	-1,557	210,315	118,863
2025	332,119	4,498	-1,576	212,951	116,246
2026	332,119	4,498	-1,592	216,177	113,036
2027	332,119	4,498	-1,607	219,763	109,465
2028	332,119	4,498	-1,622	223,641	105,602
2029	332,119	4,498	-1,637	227,538	101,720
2030	332,119	4,498	-1,649	232,813	96,457



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2031	332,119	4,498	-1,660	237,796	91,485
2032	332,119	4,498	-1,670	241,867	87,424
2033	332,119	4,498	-1,679	246,263	83,037
2034	332,119	4,498	-1,686	254,176	75,131
2035	332,119	4,498	-1,692	262,221	67,092
2036	332,119	4,498	-1,697	269,705	59,613
2037	332,119	4,498	-1,698	277,876	51,443
2038	332,119	4,498	-1,695	286,630	42,686
2039	332,119	4,498	-1,691	296,084	33,228
2040	332,119	4,498	-1,686	306,304	23,003
2041	332,119	4,498	-1,685	317,285	12,021
2042	332,119	4,498	-1,684	329,099	206
0 TOTALS	15,277,474	206,908	-63,600	10,165,879	4,968,287

106/07/96  
T E M  
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F E D E R A L C O L U M B I A R I V E R P O W E R S Y S

REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,1996 - SEPTEMBER 30,1997 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE B FISCAL

0 1 2 3 4 5 6 7

8  
10  
0

INVESTMENT PLACED IN SERVICE

IRRIGATION ASSISTANCE

FISCAL

YEAR	INITIAL	REPLACE-	CUMULATIVE	AMORTI-	TERM	CUM
ULATIVE	PROJECT	MENTS	AMOUNT IN	ZATION	INVESTMENT	AM
ENDING	AMORTI-	=	=	=	SCHEDULE	S
OUNT IN	THRU 9-30	THRU 9-30	SERVICE	9-30	INVESTMENT	
UNAMORTIZED	ZATION					
SEPT 30	THRU 9-30	THRU 9-30	SERVICE	9-30	INVESTMENT	SCHEDULE
ERVICE	ZATION					
AMOUNT						
OCUMULATIVE						
1996	3,923,056	1,008,208	4,931,264	1,951,722	2,979,542	4,451,478
1997	136,530		5,067,794	120,689	2,995,383	4,482,119
1998		98,813	5,166,607	123,096	2,971,100	4,385,048
1999		102,788	5,269,395	126,436	2,947,452	4,313,134
2000		106,539	5,375,934	129,842	2,924,149	4,285,919
2001		110,100	5,486,034	126,062	2,908,187	4,281,603
2002		113,572	5,599,606	126,148	2,895,611	4,370,117
2003		116,827	5,716,433	128,635	2,883,803	4,457,053
2004		119,911	5,836,344	130,242	2,873,472	4,558,922
2005		122,975	5,959,319	131,721	2,864,726	4,673,573
2006		125,960	6,085,279	134,258	2,856,428	4,782,702

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2007	128,798	6,214,077	141,020	2,844,206	4,776,787
2008	131,365	6,345,442	136,327	2,839,244	4,895,109
2009	133,648	6,479,090	136,732	2,836,160	5,016,854
2010	135,560	6,614,650	139,442	2,832,278	5,111,455
2011	137,345	6,751,995	139,433	2,830,190	5,208,175
2012	139,153	6,891,148	139,732	2,829,611	5,288,625
2013	140,992	7,032,140	140,530	2,830,073	5,301,902
2014	142,850	7,174,990	139,302	2,833,621	5,250,980
2015	144,820	7,319,810	140,185	2,838,256	5,172,507
2016	146,849	7,466,659	137,105	2,848,000	5,077,504
2017	148,881	7,615,540	135,809	2,861,072	4,919,056
2018	150,952	7,766,492	135,598	2,876,426	4,835,926
2019	152,975	7,919,467	133,241	2,896,160	4,824,392
2020	154,950	8,074,417	132,075	2,919,035	4,887,458
2021	156,828	8,231,245	129,052	2,946,811	4,974,305
2022	158,569	8,389,814	126,252	2,979,128	5,033,472
2023	160,210	8,550,024	121,565	3,017,773	5,192,698
2024	161,746	8,711,770	118,863	3,060,656	5,354,444

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2025	163,117	8,874,887	116,246	3,107,527	5,401,601
2026	164,426	9,039,313	113,036	3,158,917	5,556,943
2027	165,743	9,205,056	109,465	3,215,195	5,713,925
2028	167,031	9,372,087	105,602	3,276,624	5,872,264
2029	168,340	9,540,427	101,720	3,343,244	5,923,890
2030	169,735	9,710,162	96,457	3,416,522	5,989,404
2031	171,171	9,881,333	91,485	3,496,208	6,160,073
2032	172,629	10,053,962	87,424	3,581,413	5,984,332
2033	174,111	10,228,073	83,037	3,672,487	5,569,033
2034	175,620	10,403,693	75,131	3,772,976	5,608,931
2035	177,071	10,580,764	67,092	3,882,955	5,786,002
2036	178,418	10,759,182	59,613	4,001,760	5,964,420
2037	179,644	10,938,826	51,443	4,129,961	6,144,064
2038	180,758	11,119,584	42,686	4,268,033	6,324,822
2039	181,720	11,301,304	33,228	4,416,525	6,506,542
2040	182,577	11,483,881	23,003	4,576,099	6,689,119
2041	183,376	11,667,257	12,021	4,747,454	6,723,793

	2042	184,119	Prtt.txt 11,851,376	206	4,931,367	6,783,582
0	TOTALS	4,059,586	7,791,790	6,920,009		

1 LINES MAY NOT ADD ACROSS BECAUSE OF ROUND OFF ERRORS

6 SUMMARY OF INTEREST EXPENSE TRANSMISSION FY 1997 REPAYMENT STUDY FOR 199  
6 FINAL RATE FILING

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(ALL AMOUNTS IN \$1000)

	2004	2005	1997	1998	1999	2000	2001	2002	20
03									
2006									
BUREAU OF RECLAMATION									
BOISE									
			184	184	184	184	184		
			184	184	184	184	184		
51	4,151	4,151	4,151	4,151	4,151	4,151	4,151	4,151	4,1
4,151									
31			31	31	31	31	31	31	
			31	31	31	31	31	31	
6	6	6	6	6	6	6	6	6	
6									
			16	16	16	16	16	16	
			16	16	16	16	16	16	

16	16	16							
16									
YAKIMA-ROZA			11	11	11	11	11	11	11
11	11	11							
11									
TOTAL BUREAU			4,399	4,399	4,399	4,399	4,399	4,215	4,2
15	4,184	4,184							
4,184									
CORPS OF ENGINEERS									
ALBENI FALLS									
BONNEVILLE									
BONNEVILLE - 2ND POW			245	245	245	245	245	245	2
45	245	245							
245									
CHIEF JOSEPH									
COUGAR									
COLUMBIA RIVER FISH									
DETROIT-BIG CLIFF									
DWORSHAK			58	58	58	58	58	58	58
58	58	58							
58									
GREEN PETER-FOSTER									
HILLS CREEK									
ICE HARBOR			50	50	50	50	50	50	50
50	50	50							
50									
JOHN DAY									

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS			353	353	353	353	353	353	3
53	353	353							
353									

LOWER SNAKE F AND W

BONNEVILLE POWER ADM			73,199	73,199	71,252	68,861	67,607	64,780	63,3
06	61,660	60,577							
60,073									

TOTAL APPROPRIATIONS			77,951	77,951	76,004	73,613	72,359	69,348	67,8
74	66,197	65,114							
64,610									

BPA BORROWING

BPA PROGRAM			133,393	131,914	132,585	132,371	132,762	133,787	133,1
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73 133,126 132,420  
131,388

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV 2,316 2,718 2,718 2,718 2,718 2,718 2,718 2,7  
18 2,718 2,718  
2,718

PREMIUMS 3,264 2,796 758 4,672 6,587 6,2  
34 6,385 6,741  
5,792

OLESS  
0 AFUDC

0 INTEREST INCOME 9,992 9,988 9,978 9,985 9,980 9,963 9,9  
77 9,980 9,995  
10,017

0TOTAL BPA BORROWING 128,981 127,440 126,083 125,104 130,172 133,129 132,1  
48 132,249 131,884  
129,881

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TOTALS 206,932 205,391 202,087 198,717 202,531 202,477 200,0  
22 198,446 196,998  
194,491

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SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 1997

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

13 2014 2015 2007 2008 2009 2010 2011 2012 20



2016

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

COLUMBIA BASIN- 3RD	4,151	4,151	4,151	4,151	4,151	4,151	4,151	4,1
51 4,151 4,151								
4,151								

HUNGRY HORSE

MINIDOKA	6	6						
----------	---	---	--	--	--	--	--	--

YAKIMA-CHANDLER	16	16	16	16	16	16	16	
16 16 16								
16								

YAKIMA-ROZA	11	11						
-------------	----	----	--	--	--	--	--	--

TOTAL BUREAU	4,184	4,184	4,167	4,167	4,167	4,167	4,167	4,1
67 4,167 4,167								
4,167								

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW	245	245	245	245	245	245	245	2
45 245 245								
245								

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF								
58	DWORSHAK	58	58	58	58	58	58	58
58	58	58						
GREEN PETER-FOSTER								
HILLS CREEK								
16	ICE HARBOR	16	50	50	50	50	50	50
16	16	16						
JOHN DAY								
LIBBY								
LITTLE GOOSE								
LOOKOUT POINT-DEXTER								
LOST CREEK								
LOWER GRANITE								
LOWER MONUMENTAL								
MCNARY								
STRUBE								
THE DALLES								
19	TOTAL CORPS	319	353	353	353	353	353	353
319	19	319						3
319	319							

LOWER SNAKE F AND W

BONNEVILLE POWER ADM	59,045	57,430	56,703	56,089	54,306	52,717	49,8
71 44,522 39,940							
32,846							
TOTAL APPROPRIATIONS	63,582	61,967	61,223	60,609	58,826	57,237	54,3
57 49,008 44,426							
37,332							
BPA BORROWING							
BPA PROGRAM	131,156	131,827	131,761	132,054	134,617	137,339	141,4
18 147,455 152,843							
161,062							
BUREAU DIRECT FUND							
FISH, WILDLIFE & ENV	2,718	2,718	2,718	2,718	1,847	805	
PREMIUMS	325	5,979	6,415	4,049	4,146	3,752	2,5
25 2,980 1,216							
3,041							
0LESS							
0 AFUDC							
0 INTEREST INCOME	10,023	10,012	10,015	10,011	9,981	9,951	9,8
91 9,780 9,681							
9,528							
0TOTAL BPA BORROWING	124,176	130,512	130,879	128,810	130,629	131,945	134,0
52 140,655 144,378							
154,575							
-----							
TOTALS	187,758	192,479	192,102	189,419	189,455	189,182	188,4
09 189,663 188,804							
191,907							

1

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 1997

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

	2017	2018	2019	2020	2021	2022	20
23 2024 2025							
2026							
BUREAU OF RECLAMATION							
BOISE							
COLUMBIA BASIN							
COLUMBIA BASIN- 3RD	4,151	4,151	4,151	4,151	4,151	4,151	4,1
51 4,151 4,151							
3,620							
HUNGRY HORSE							
MINIDOKA							
YAKIMA-CHANDLER	16	16	16	16	16	16	
YAKIMA-ROZA							
TOTAL BUREAU	4,167	4,167	4,167	4,167	4,167	4,167	4,1
51 4,151 4,151							
3,620							

CORPS OF ENGINEERS

ALBENI FALLS								
BONNEVILLE								
BONNEVILLE - 2ND POW	245	245	245	245	245	245	245	2
45	245	245						
245								
CHIEF JOSEPH								
COUGAR								
COLUMBIA RIVER FISH								
DETROIT-BIG CLIFF								
DWORSHAK	58	58	58	58	58	58	58	
58								
GREEN PETER-FOSTER								
HILLS CREEK								
ICE HARBOR	16	16	16	16	16	16	16	
16	16	16						
16								
JOHN DAY								
LIBBY								
LITTLE GOOSE								
LOOKOUT POINT-DEXTER								
LOST CREEK								
LOWER GRANITE								
LOWER MONUMENTAL								

MCNARY

STRUBE

THE DALLES

TOTAL CORPS			319	319	319	319	319	319	3
19	261	261							
261									

LOWER SNAKE F AND W

BONNEVILLE POWER ADM			28,625	24,572	18,758	13,988	8,125	3,654	
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TOTAL APPROPRIATIONS			33,111	29,058	23,244	18,474	12,611	8,140	4,4
70	4,412	4,412							
3,881									

BPA BORROWING

BPA PROGRAM			166,453	171,873	179,363	185,995	194,012	200,847	207,1
13	209,909	212,929							
216,791									

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV

PREMIUMS			3,091	1,858	2,422	1,624	2,365	2,693	4,6
87	4,618	4,178							
4,002									
0LESS									
0 AFUDC									

0 INTEREST INCOME			9,429	9,329	9,190	9,067	8,918	8,791	8,6
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75	8,624	8,568							
8,497									
0	TOTAL BPA BORROWING		160,115	164,402	172,595	178,552	187,459	194,749	203,1
25	205,903	208,539							
212,296									
-----									
-----									
-----									
	TOTALS		193,226	193,460	195,839	197,026	200,070	202,889	207,5
95	210,315	212,951							
216,177									
1									

SUMMARY OF INTEREST EXPENSE TRANSMISSION FY 1997 REPAYMENT STUDY FOR 199  
 6 FINAL RATE FILING

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(ALL AMOUNTS IN \$1000)

	2034	2035	2027	2028	2029	2030	2031	2032	20
33									
2036									
BUREAU OF RECLAMATION									
BOISE									
COLUMBIA BASIN									
94	COLUMBIA BASIN- 3RD		3,047	2,478	1,914	794	794	794	7
	HUNGRY HORSE								
	MINIDOKA								

YAKIMA-CHANDLER

YAKIMA-ROZA

TOTAL BUREAU 94	3,047	2,478	1,914	794	794	794	7
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CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW 50	245	245	245	245	245	212	
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CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER



LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS	245	245	245	245	245	212
50						

LOWER SNAKE F AND W

BONNEVILLE POWER ADM

TOTAL APPROPRIATIONS	3,292	2,723	2,159	1,039	1,039	1,006	8
44							

BPA BORROWING

BPA PROGRAM	221,028	225,580	230,483	236,344	241,472	247,080	253,2
40 260,561 267,604							
275,271							

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV

PREMIUMS	3,862	3,672	3,140	3,565	3,324	1,716
1,299 2,170						

1,844  
0LESS  
0 AFUDC

0 INTEREST INCOME	8,419	8,334	8,244	8,135	8,039	7,935	7,8
21 7,684 7,553							
7,410							
0TOTAL BPA BORROWING	216,471	220,918	225,379	231,774	236,757	240,861	245,4
19 254,176 262,221							
269,705							
-----							
TOTALS	219,763	223,641	227,538	232,813	237,796	241,867	246,2
63 254,176 262,221							
269,705							
1							

SUMMARY OF INTEREST EXPENSE TRANSMISSION FY 1997 REPAYMENT STUDY FOR 199

6 FINAL RATE FILING

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(ALL AMOUNTS IN \$1000)

2037 2038 2039 2040 2041 2042

BUREAU OF RECLAMATION

- BOISE
- COLUMBIA BASIN
- COLUMBIA BASIN- 3RD
- HUNGRY HORSE
- MINIDOKA
- YAKIMA-CHANDLER
- YAKIMA-ROZA

TOTAL BUREAU

CORPS OF ENGINEERS

- ALBENI FALLS
- BONNEVILLE
- BONNEVILLE - 2ND POW
- CHIEF JOSEPH
- COUGAR
- COLUMBIA RIVER FISH
- DETROIT-BIG CLIFF
- DWORSHAK
- GREEN PETER-FOSTER
- HILLS CREEK
- ICE HARBOR
- JOHN DAY
- LIBBY
- LITTLE GOOSE
- LOOKOUT POINT-DEXTER
- LOST CREEK
- LOWER GRANITE
- LOWER MONUMENTAL
- MCNARY
- STRUBE
- THE DALLES

TOTAL CORPS

LOWER SNAKE F AND W

BONNEVILLE POWER ADM

TOTAL APPROPRIATIONS

BPA BORROWING

BPA PROGRAM	283,547	292,469	302,072	312,391	323,478	335,379
-------------	---------	---------	---------	---------	---------	---------

BUREAU DIRECT FUND FISH, WILDLIFE & ENV PREMIUMS	1,584	1,249	921	628	315	5
0 LESS 0 AFUDC						
0 INTEREST INCOME	7,255	7,088	6,909	6,715	6,508	6,285
0 TOTAL BPA BORROWING	277,876	286,630	296,084	306,304	317,285	329,099
	-----	-----	-----	-----	-----	-----
TOTALS	277,876	286,630	296,084	306,304	317,285	329,099
1						

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 1997

REPAYMENT STUDY FOR 199

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TOTALS

BUREAU OF RECLAMATION

BOISE	
COLUMBIA BASIN	920
COLUMBIA BASIN- 3RD	134,614
HUNGRY HORSE	217
MINIDOKA	72
YAKIMA-CHANDLER	416
YAKIMA-ROZA	132
TOTAL BUREAU	136,371

CORPS OF ENGINEERS

ALBENI FALLS	
BONNEVILLE	
BONNEVILLE - 2ND POW	8,837
CHIEF JOSEPH	

COUGAR	
COLUMBIA RIVER FISH	
DETROIT-BIG CLIFF	
DWORSHAK	1,566
GREEN PETER-FOSTER	
HILLS CREEK	
ICE HARBOR	1,024
JOHN DAY	
LIBBY	
LITTLE GOOSE	
LOOKOUT POINT-DEXTER	
LOST CREEK	
LOWER GRANITE	
LOWER MONUMENTAL	
MCNARY	
STRUBE	
THE DALLES	
TOTAL CORPS	11,427
LOWER SNAKE F AND W	
TOTAL APPROPRIATIONS	147,798
BONNEVILLE POWER ADM	1,265,705
BPA BORROWING	
BPA PROGRAM	8,981,735
BUREAU DIRECT FUND	
FISH, WILDLIFE & ENV	40,302
PREMIUMS	138,489
0LESS	
0 AFUDC	
0 INTEREST INCOME	408,150
0TOTAL BPA BORROWING	8,752,376
	-----
TOTALS	10,165,879

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APPLICATION OF AMORTIZATION  
96 FINAL RATE FILING

TRANSMISSION FY 1997

REPAYMENT STUDY FOR 19

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
1997	BPA PROGRAM	28,300	1992	1997	28,300	28,300	.07000
	BPA PROGRAM	50,000	1992	1997	50,000	50,000	.07000
	BPA PROGRAM	42,389	1992	2032	147,521	147,521	.08800
	TOTAL	120,689					
1998	BPA PROGRAM	50,000	1993	1998	50,000	50,000	.06050
	BONNEVILLE POWER ADMINISTRATION	23,927	1953	1998	23,927	23,927	.05450
	BONNEVILLE POWER ADMINISTRATION	11,791	1953	1998	11,791	11,791	.05450
R	BPA PROGRAM	37,378	1992	2032	147,521	105,132	.08800
	TOTAL	123,096					

		Prtt.txt				
1999	R	BPA PROGRAM	1989	1999	56,257	56,257 .08950
		56,257				
		BPA PROGRAM	1989	1999	16,909	16,909 .08950
		16,909				
		BONNEVILLE POWER ADMINISTRATION	1954	1999	24,211	24,211 .05580
		24,211				
	R	BONNEVILLE POWER ADMINISTRATION	1954	1999	17,809	17,809 .05580
		17,809				
		BPA PROGRAM	1992	2032	147,521	67,754 .08800
		10,443				
	R	BONNEVILLE POWER ADMINISTRATION	1955	2000	10,626	10,626 .05690
		807				
		-----				
		TOTAL				
		126,436				
2000		BPA PROGRAM	1992	2000	107,800	107,800 .06600
		107,800				
		BONNEVILLE POWER ADMINISTRATION	1955	2000	12,222	12,222 .05690
		12,222				
	R	BONNEVILLE POWER ADMINISTRATION	1955	2000	10,626	9,819 .05690
		9,819				
		BPA PROGRAM	1990	2030	1,149	1,149 .09250
		1				
		-----				
		TOTAL				
		129,842				
2001	R	COLUMBIA BASIN	1959	2001	50	50 .05810
		50				
	R	COLUMBIA BASIN	1960	2001	50	50 .05810
		50				
	R	BONNEVILLE POWER ADMINISTRATION	1956	2001	33,508	33,508 .05810
		33,508				
	R	BONNEVILLE POWER ADMINISTRATION	1956	2001	15,154	15,154 .05810
		15,154				
		COLUMBIA BASIN	1961	2001	50	50 .05810

		Prtt.txt				
R	50					
	COLUMBIA BASIN	1962	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1956	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1957	2001	50	50	.05810
R	50					
	BPA PROGRAM	1995	2001	5,010	5,010	.08350
	5,010					
	COLUMBIA BASIN	1963	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1955	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1964	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1965	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1966	2001	50	50	.05810
R	50					

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1997 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

PROJECT		IN-SERVICE	DUE	GROSS	NET	RATE
REPLACEMENT	AMOUNT					
+	_____	_____	_____	_____	_____	_____
	COLUMBIA BASIN	1954	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1958	2001	50	50	.05810
R	50					



		Prtt.txt				
R	COLUMBIA BASIN	1967	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1968	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1953	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1952	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1951	2001	1,494	1,494	.05810
	1,494					
R	COLUMBIA BASIN	1969	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1970	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1971	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1985	2001	12	12	.05810
	12					
R	COLUMBIA BASIN	1972	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1973	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1974	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1975	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1976	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1977	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1983	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1978	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1979	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1980	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1981	2001	50	50	.05810
	50					

Prtt.txt

R	50						
	COLUMBIA BASIN	1982	2001	50	50	.05810	
R	50						
	BPA PROGRAM	1990	2030	1,149	1,148	.09250	
	1,148						
	BPA PROGRAM	1990	2030	3,824	3,824	.09250	
R	3,824						
	BPA PROGRAM	1990	2030	41,894	41,894	.09250	
	41,894						
	BPA PROGRAM	1992	2032	147,521	57,311	.08800	
	22,418						

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TOTAL  
126,062

2002	BONNEVILLE POWER ADMINISTRATION	1957	2002	16,745	16,745	.05880	
R	16,745						
	BONNEVILLE POWER ADMINISTRATION	1957	2002	8,313	8,313	.05880	
	8,313						
	BPA PROGRAM	1992	2032	147,521	34,893	.08800	
	34,893						
	BPA PROGRAM	1993	2033	88,984	88,984	.08350	
	66,197						

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TOTAL  
126,148

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1997 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2003	BONNEVILLE POWER ADMINISTRATION	16,434	1958	2003	16,434	16,434	.05950
	BONNEVILLE POWER ADMINISTRATION	11,228	1958	2003	11,228	11,228	.05950
R	HUNGRY HORSE	1	1959	2003	1	1	.05950
R	HUNGRY HORSE	1	1960	2003	1	1	.05950
R	HUNGRY HORSE	1	1956	2003	1	1	.05950
R	HUNGRY HORSE	1	1961	2003	1	1	.05950
R	HUNGRY HORSE	1	1980	2003	1	1	.05950
R	HUNGRY HORSE	1	1955	2003	1	1	.05950
R	HUNGRY HORSE	1	1982	2003	1	1	.05950
R	HUNGRY HORSE	1	1962	2003	1	1	.05950
R	HUNGRY HORSE	1	1957	2003	1	1	.05950
R	HUNGRY HORSE	1	1979	2003	1	1	.05950
R	HUNGRY HORSE	1	1963	2003	1	1	.05950
R	HUNGRY HORSE	1	1981	2003	1	1	.05950
R	HUNGRY HORSE	1	1964	2003	1	1	.05950
R	HUNGRY HORSE	1	1954	2003	1	1	.05950
R	HUNGRY HORSE	1	1965	2003	1	1	.05950

		Prtt.txt					
R	HUNGRY HORSE	1	1978	2003	1	1	.05950
R	HUNGRY HORSE	1	1958	2003	1	1	.05950
R	HUNGRY HORSE	1	1966	2003	1	1	.05950
R	HUNGRY HORSE	1	1953	2003	516	516	.05950
	HUNGRY HORSE	516	1967	2003	1	1	.05950
R	HUNGRY HORSE	1	1968	2003	1	1	.05950
R	HUNGRY HORSE	1	1969	2003	1	1	.05950
R	HUNGRY HORSE	1	1970	2003	1	1	.05950
R	HUNGRY HORSE	1	1971	2003	1	1	.05950
R	HUNGRY HORSE	1	1972	2003	1	1	.05950
R	HUNGRY HORSE	1	1977	2003	1	1	.05950
R	HUNGRY HORSE	1	1973	2003	1	1	.05950
R	HUNGRY HORSE	1	1974	2003	1	1	.05950
R	HUNGRY HORSE	1	1983	2003	1	1	.05950
R	HUNGRY HORSE	1	1975	2003	1	1	.05950
R	HUNGRY HORSE	1	1976	2003	1	1	.05950
R	BPA PROGRAM	1	1993	2033	88,984	22,787	.08350
	BPA PROGRAM	22,787	1994	2034	50,000	50,000	.08200
	BPA PROGRAM	50,000	1992	2032	150,000	150,000	.08130
	BPA PROGRAM	27,640					

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 TOTAL  
 128,635

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1997 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR ----- INVESTMENT  
 PAID-----

(ALL AMOUNT IN \$1000)

+	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2004	BONNEVILLE POWER ADMINISTRATION	8,647	1959	2004	8,647	8,647	.06000
R	BONNEVILLE POWER ADMINISTRATION	9,395	1959	2004	9,395	9,395	.06000
	BPA PROGRAM	112,200	1992	2032	150,000	122,360	.08130
	TOTAL	130,242					
2005	BONNEVILLE POWER ADMINISTRATION	3,832	1960	2005	3,832	3,832	.06050
R	BONNEVILLE POWER ADMINISTRATION	4,492	1960	2005	4,492	4,492	.06050
	BPA PROGRAM	10,160	1992	2032	150,000	10,160	.08130
	BPA PROGRAM		1993	2033	130,000	130,000	.07800

113,237

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TOTAL

131,721

2006	BONNEVILLE POWER ADMINISTRATION	1961	2006	4,778	4,778	.06110
	4,778					
R	BONNEVILLE POWER ADMINISTRATION	1961	2006	12,053	12,053	.06110
	12,053					
	BPA PROGRAM	1993	2033	130,000	16,763	.07800
	16,763					
	BPA PROGRAM	1995	2025	41,491	41,491	.07700
	41,491					
	BPA PROGRAM	1995	2025	65,000	65,000	.07700
	59,173					

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TOTAL

134,258

2007	BPA PROGRAM	1992	2007	107,700	107,700	.07250
	107,700					
	BONNEVILLE POWER ADMINISTRATION	1962	2007	21,088	21,088	.06130
	21,088					
R	BONNEVILLE POWER ADMINISTRATION	1962	2007	5,248	5,248	.06130
	5,248					
	BPA PROGRAM	1995	2025	65,000	5,827	.07700
	5,827					
	BPA PROGRAM	1993	2033	100,000	100,000	.07500
	1,157					

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TOTAL

141,020

2008	MINIDOKA	1981	2008	22	22	.06150
R	22					
	YAKIMA-ROZA	1958	2008	175	175	.06150

		Prtt.txt				
	175					
R	MINIDOKA	1980	2008	22	22	.06150
	22					
R	MINIDOKA	1979	2008	21	21	.06150
	21					
	BONNEVILLE POWER ADMINISTRATION	1963	2008	5,283	5,283	.06150
	5,283					
R	BONNEVILLE POWER ADMINISTRATION	1963	2008	4,692	4,692	.06150
	4,692					
	BONNEVILLE POWER ADMINISTRATION	1963	2008	978	978	.06150
	978					
R	BONNEVILLE POWER ADMINISTRATION	1963	2008	869	869	.06150
	869					
R	MINIDOKA	1978	2008	22	22	.06150
	22					
R	MINIDOKA	1982	2008	21	21	.06150
	21					
R	MINIDOKA	1983	2008	22	22	.06150
	22					
	BPA PROGRAM	1993	2033	100,000	98,843	.07500
	98,843					
	BPA PROGRAM	1996	2041	148,702	148,702	.07240
	25,357					

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TOTAL  
136,327

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1997 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

PROJECT IN-SERVICE DUE GROSS NET RATE

REPLACEMENT	AMOUNT						
2009	BONNEVILLE POWER ADMINISTRATION 4,996	1964	2009	4,996	4,996	.05160	
R	BONNEVILLE POWER ADMINISTRATION 6,907	1964	2009	6,907	6,907	.05160	
	BPA PROGRAM 123,345	1996	2041	148,702	123,345	.07240	
	BPA PROGRAM 1,484	1994	2034	50,000	50,000	.07050	
-----							
	TOTAL						
	136,732						
2010	FISH, WILDLIFE & ENVIRONMENTAL 12,100	1995	2010	12,100	12,100	.07200	
	BONNEVILLE POWER ADMINISTRATION 4,064	1965	2010	4,064	4,064	.06180	
R	BONNEVILLE POWER ADMINISTRATION 7,948	1965	2010	7,948	7,948	.06180	
	BONNEVILLE POWER ADMINISTRATION 5,701	1965	2010	5,701	5,701	.06180	
R	BONNEVILLE POWER ADMINISTRATION 11,146	1965	2010	11,146	11,146	.06180	
	BPA PROGRAM 48,516	1994	2034	50,000	48,516	.07050	
	BPA PROGRAM 49,967	1993	2033	110,000	110,000	.06950	
-----							
	TOTAL						
	139,442						
2011	FISH, WILDLIFE & ENVIRONMENTAL 15,000	1996	2011	15,000	15,000	.06950	



			Prtt.txt				
	BONNEVILLE POWER ADMINISTRATION		1966	2011	13,047	13,047	.06200
	13,047						
R	BONNEVILLE POWER ADMINISTRATION		1966	2011	3,363	3,363	.06200
	3,363						
	BONNEVILLE POWER ADMINISTRATION		1966	2011	7,326	7,326	.06200
	7,326						
R	BONNEVILLE POWER ADMINISTRATION		1966	2011	1,889	1,889	.06200
	1,889						
	BPA PROGRAM		1993	2033	110,000	60,033	.06950
	60,033						
	BPA PROGRAM		1997	2042	124,330	124,330	.06930
	38,775						
	-----						
	TOTAL						
	139,433						
2012	ICE HARBOR		1981	2012	1	1	.06220
R	1						
	FISH, WILDLIFE & ENVIRONMENTAL		1997	2012	12,200	12,200	.06600
	12,200						
R	ICE HARBOR		1974	2012	1	1	.06220
	1						
R	ICE HARBOR		1976	2012	1	1	.06220
	1						
R	ICE HARBOR		1975	2012	1	1	.06220
	1						
R	ICE HARBOR		1980	2012	1	1	.06220
	1						
R	ICE HARBOR		1979	2012	1	1	.06220
	1						
R	ICE HARBOR		1972	2012	1	1	.06220
	1						
R	ICE HARBOR		1962	2012	548	548	.06220
	548						
R	ICE HARBOR		1982	2012	1	1	.06220
	1						
R	ICE HARBOR		1963	2012	1	1	.06220
	1						

			Prtt.txt				
	ICE HARBOR		1964	2012	1	1	.06220
R		1					
	ICE HARBOR		1978	2012	1	1	.06220
R		1					
	ICE HARBOR		1965	2012	1	1	.06220
R		1					

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1997 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
	ICE HARBOR		1983	2012	1	1	.06220
R		1					
	ICE HARBOR		1971	2012	1	1	.06220
R		1					
	ICE HARBOR		1977	2012	1	1	.06220
R		1					
	ICE HARBOR		1966	2012	1	1	.06220
R		1					
	ICE HARBOR		1973	2012	1	1	.06220
R		1					
	ICE HARBOR		1967	2012	1	1	.06220
R		1					
	BONNEVILLE POWER ADMINISTRATION		1967	2012	21,053	21,053	.06220
	21,053						
	BONNEVILLE POWER ADMINISTRATION		1967	2012	5,059	5,059	.06220
R		5,059					
	BONNEVILLE POWER ADMINISTRATION		1967	2012	15,843	15,843	.06220

		15,843					
		ICE HARBOR	1970	2012	1	1	.06220
R		1					
		BONNEVILLE POWER ADMINISTRATION	1967	2012	3,807	3,807	.06220
R		3,807					
		ICE HARBOR	1968	2012	1	1	.06220
R		1					
		ICE HARBOR	1969	2012	1	1	.06220
R		1					
		BPA PROGRAM	1997	2042	124,330	85,555	.06930
		81,201					
		-----					
		TOTAL					
		139,732					
2013		BONNEVILLE POWER ADMINISTRATION	1968	2013	45,776	45,776	.06240
		45,776					
		BONNEVILLE POWER ADMINISTRATION	1968	2013	9,001	9,001	.06240
R		9,001					
		BONNEVILLE POWER ADMINISTRATION	1968	2013	25,861	25,861	.06240
		25,861					
		BONNEVILLE POWER ADMINISTRATION	1968	2013	5,085	5,085	.06240
R		5,085					
		BPA PROGRAM	1997	2042	124,330	4,354	.06930
		4,354					
		BPA PROGRAM	1998	2043	98,813	98,813	.06930
R		50,453					
		-----					
		TOTAL					
		140,530					
2014		BONNEVILLE POWER ADMINISTRATION	1969	2014	430	430	.06260
		430					
		BONNEVILLE POWER ADMINISTRATION	1969	2014	229	229	.06260
R		229					
		BONNEVILLE POWER ADMINISTRATION	1969	2014	25,239	25,239	.06260
R		25,239					

		Prtt.txt					
	BONNEVILLE POWER ADMINISTRATION	1969	2014	47,301	47,301	.06260	
	47,301						
	BPA PROGRAM	1998	2043	98,813	48,360	.06930	
R	48,360						
	BPA PROGRAM	1999	2044	102,788	102,788	.06930	
R	17,743						
-----							
	TOTAL						
	139,302						

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96 FINAL RATE FILING      APPLICATION OF AMORTIZATION      TRANSMISSION FY 1997      REPAYMENT STUDY FOR 19

YEAR      -----INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	-----	-----	-----	-----	-----	-----	-----
2015	BONNEVILLE POWER ADMINISTRATION	3,380	1970	2015	3,380	3,380	.06280
R	3,380						
	BONNEVILLE POWER ADMINISTRATION	27,471	1970	2015	27,471	27,471	.06280
	27,471						
	BONNEVILLE POWER ADMINISTRATION	8,997	1970	2015	8,997	8,997	.06280
R	8,997						
	BONNEVILLE POWER ADMINISTRATION	73,118	1970	2015	73,118	73,118	.06280
	73,118						
	BPA PROGRAM	27,219	1999	2044	102,788	85,045	.06930
R	27,219						

TOTAL  
140,185

2016		BONNEVILLE POWER ADMINISTRATION	1971	2016	19,910	19,910	.06300
R		19,910					
		BONNEVILLE POWER ADMINISTRATION	1971	2016	13,476	13,476	.06300
		13,476					
		BONNEVILLE POWER ADMINISTRATION	1971	2016	20,054	20,054	.06300
R		20,054					
		BONNEVILLE POWER ADMINISTRATION	1971	2016	13,574	13,574	.06300
		13,574					
		BPA PROGRAM	1999	2044	102,788	57,826	.06930
R		57,826					
		BPA PROGRAM	2000	2045	106,539	106,539	.06930
R		12,265					

-----  
TOTAL  
137,105

2017		BONNEVILLE POWER ADMINISTRATION	1972	2017	3,206	3,206	.06320
R		3,206					
		BONNEVILLE POWER ADMINISTRATION	1972	2017	4,442	4,442	.06320
		4,442					
		BONNEVILLE POWER ADMINISTRATION	1972	2017	23,677	23,677	.06320
R		23,677					
		BONNEVILLE POWER ADMINISTRATION	1972	2017	32,799	32,799	.06320
		32,799					
		BPA PROGRAM	2000	2045	106,539	94,274	.06930
R		71,685					

-----  
TOTAL  
135,809

2018		BONNEVILLE POWER ADMINISTRATION	1973	2018	37,664	37,664	.06340
		37,664					
		BONNEVILLE POWER ADMINISTRATION	1973	2018	11,673	11,673	.06340
R		11,673					

			Prtt.txt				
	BONNEVILLE POWER ADMINISTRATION	1973	2018	18,212	18,212	.06340	
	18,212						
R	BONNEVILLE POWER ADMINISTRATION	1973	2018	24,141	24,141	.06340	
	24,141						
R	BPA PROGRAM	2000	2045	106,539	22,589	.06930	
	22,589						
R	BPA PROGRAM	2001	2046	110,100	110,100	.06930	
	21,319						

-----  
TOTAL  
135,598

2019	BONNEVILLE POWER ADMINISTRATION	1974	2019	24,283	24,283	.06360	
R	24,283						
	BONNEVILLE POWER ADMINISTRATION	1974	2019	13,977	13,977	.06360	
	13,977						
R	BONNEVILLE POWER ADMINISTRATION	1974	2019	23,314	23,314	.06360	
	23,314						
	BONNEVILLE POWER ADMINISTRATION	1974	2019	13,421	13,421	.06360	
	13,421						
R	BPA PROGRAM	2001	2046	110,100	88,781	.06930	
	58,246						

-----  
TOTAL  
133,241

1

APPLICATION OF AMORTIZATION TRANSMISSION FY 1997 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	Prtt.txt IN-SERVICE	DUE	GROSS	NET	RATE
2020	BONNEVILLE POWER ADMINISTRATION	19,025	1975	2020	19,025	19,025	.06380
		13,020	1975	2020	13,020	13,020	.06380
R		24,312	1975	2020	24,312	24,312	.06380
R		35,527	1975	2020	35,527	35,527	.06380
	BPA PROGRAM	30,535	2001	2046	110,100	30,535	.06930
R		9,656	2002	2047	113,572	113,572	.06930
	TOTAL	132,075					
2021	BONNEVILLE POWER ADMINISTRATION	67,534	1976	2021	67,534	67,534	.06390
		2,447	1976	2021	2,447	2,447	.06390
R		59,071	2002	2047	113,572	103,916	.06930
R							
	TOTAL	129,052					
2022	YAKIMA-CHANDLER	1	1975	2022	1	1	.06410
R		1	1977	2022	1	1	.06410
R	BONNEVILLE POWER ADMINISTRATION	37,113	1977	2022	37,113	37,113	.06410

		Prtt.txt				
R	YAKIMA-CHANDLER	1973	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1967	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1970	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1965	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1971	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1974	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1968	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1969	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1959	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1964	2022	1	1	.06410
	1					
R	BONNEVILLE POWER ADMINISTRATION	1977	2022	5,934	5,934	.06410
	5,934					
R	YAKIMA-CHANDLER	1976	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1956	2022	242	242	.06410
	242					
R	YAKIMA-CHANDLER	1960	2022	1	1	.06410
	1					
R	BONNEVILLE POWER ADMINISTRATION	1977	2022	9,613	9,613	.06410
	9,613					
R	YAKIMA-CHANDLER	1972	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1961	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1963	2022	1	1	.06410
	1					
R	BONNEVILLE POWER ADMINISTRATION	1977	2022	4,354	4,354	.06410
	4,354					
	YAKIMA-CHANDLER	1962	2022	1	1	.06410



Prtt.txt

R		1					
	YAKIMA-CHANDLER		1966	2022	1	1	.06410
R		1					
	BPA PROGRAM		2002	2047	113,572	44,845	.06930
R		44,845					
	BPA PROGRAM		2003	2048	116,827	116,827	.06930
R		24,132					

1

APPLICATION OF AMORTIZATION TRANSMISSION FY 1997 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR ----- INVESTMENT  
 PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
	-----	-----					
	TOTAL	126,252					
2023	DWORSHAK		1974	2023	4	4	.06430
R		4					
	DWORSHAK		1978	2023	4	4	.06430
R		4					
	DWORSHAK		1979	2023	4	4	.06430
R		4					
	DWORSHAK		1983	2023	4	4	.06430
R		4					
	DWORSHAK		1977	2023	4	4	.06430
R		4					
	DWORSHAK		1975	2023	4	4	.06430

R		4					
	DWORSHAK		1981	2023	4	4	.06430
R		4					
	DWORSHAK		1982	2023	4	4	.06430
R		4					
	DWORSHAK		1973	2023	896	896	.06430
		896					
	DWORSHAK		1980	2023	4	4	.06430
R		4					
	DWORSHAK		1976	2023	4	4	.06430
R		4					
	BPA PROGRAM		2003	2048	116,827	92,695	.06930
R		92,695					
	BPA PROGRAM		2004	2049	119,911	119,911	.06930
R		27,934					
	-----						
	TOTAL						
		121,565					
2024							
	BPA PROGRAM		2004	2049	119,911	91,977	.06930
R		91,977					
	BPA PROGRAM		2005	2050	122,975	122,975	.06930
R		26,886					
	-----						
	TOTAL						
		118,863					
2025							
	COLUMBIA BASIN- 3RD POWER HOUSE		1975	2025	8,202	8,202	.06470
		8,202					
	BPA PROGRAM		2005	2050	122,975	96,089	.06930
R		96,089					
	BPA PROGRAM		2006	2051	125,960	125,960	.06930
R		11,955					
	-----						
	TOTAL						
		116,246					

Prtt.txt

2026	ICE HARBOR	1976	2026	250	250	.06490
	250					
	COLUMBIA BASIN- 3RD POWER HOUSE	1976	2026	8,834	8,834	.06490
	8,834					
	BPA PROGRAM	2006	2051	125,960	114,005	.06930
R	103,952					
	-----					
	TOTAL					
	113,036					
2027	COLUMBIA BASIN- 3RD POWER HOUSE	1977	2027	8,761	8,761	.06490
	8,761					
	BPA PROGRAM	2006	2051	125,960	10,053	.06930
R	10,053					
	BPA PROGRAM	2007	2052	128,798	128,798	.06930
R	90,651					
	-----					
	TOTAL					
	109,465					

1

APPLICATION OF AMORTIZATION TRANSMISSION FY 1997 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

PROJECT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
REPLACEMENT						
+	_____	_____	_____	_____	_____	_____
	_____					

		Prtt.txt				
2028	COLUMBIA BASIN- 3RD POWER HOUSE	1978	2028	8,692	8,692	.06490
	8,692					
R	BPA PROGRAM	2007	2052	128,798	38,147	.06930
	38,147					
R	BPA PROGRAM	2008	2053	131,365	131,365	.06930
	58,763					
	-----					
	TOTAL					
	105,602					
2029	COLUMBIA BASIN- 3RD POWER HOUSE	1979	2029	17,254	17,254	.06490
	17,254					
R	BPA PROGRAM	2008	2053	131,365	72,602	.06930
	72,602					
R	BPA PROGRAM	2009	2054	133,648	133,648	.06930
	11,864					
	-----					
	TOTAL					
	101,720					
2030	BPA PROGRAM	2009	2054	133,648	121,784	.06930
R	96,457					
	-----					
	TOTAL					
	96,457					
2031	BONNEVILLE - 2ND POWER HOUSE	1981	2031	502	502	.06490
	502					
R	BPA PROGRAM	2009	2054	133,648	25,327	.06930
	25,327					
R	BPA PROGRAM	2010	2055	135,560	135,560	.06930
	65,656					
	-----					
	TOTAL					
	91,485					

Prtt.txt

2032	BONNEVILLE - 2ND POWER HOUSE	1982	2032	2,495	2,495	.06490
	2,495					
	BPA PROGRAM	2010	2055	135,560	69,904	.06930
R	46,562					
	BPA PROGRAM	1994	2033	108,400	108,400	.06850
	38,367					

-----  
TOTAL  
87,424

2033	BPA PROGRAM	1994	2033	108,400	70,033	.06850
	70,033					
	COLUMBIA BASIN- 3RD POWER HOUSE	1986	2033	2,041	2,041	.06490
	2,041					
	BONNEVILLE - 2ND POWER HOUSE	1983	2033	765	765	.06490
	765					
	COLUMBIA BASIN- 3RD POWER HOUSE	1985	2033	2,273	2,273	.06490
	2,273					
	COLUMBIA BASIN- 3RD POWER HOUSE	1987	2033	1,908	1,908	.06490
	1,908					
	COLUMBIA BASIN- 3RD POWER HOUSE	1984	2033	3,486	3,486	.06490
	3,486					
	COLUMBIA BASIN- 3RD POWER HOUSE	1988	2033	2,531	2,531	.06490
	2,531					

-----  
TOTAL  
83,037

1

APPLICATION OF AMORTIZATION  
96 FINAL RATE FILING

TRANSMISSION FY 1997

REPAYMENT STUDY FOR 19

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+							
2034	BPA PROGRAM		1994	2034	35,722	35,722	.06850
		35,722					
	BPA PROGRAM		2010	2055	135,560	23,342	.06930
R		23,342					
	BPA PROGRAM		2011	2056	137,345	137,345	.06930
R		16,067					
	TOTAL	75,131					
2035	BPA PROGRAM		2011	2056	137,345	121,278	.06930
R		67,092					
	TOTAL	67,092					
2036	BPA PROGRAM		2011	2056	137,345	54,186	.06930
R		54,186					
	BPA PROGRAM		2012	2057	139,153	139,153	.06930
R		5,427					
	TOTAL	59,613					
2037	BPA PROGRAM		2012	2057	139,153	133,726	.06930
R		51,443					

		TOTAL					
		51,443					
2038	R	BPA PROGRAM	2012	2057	139,153	82,283	.06930
		42,686					
		-----					
		TOTAL					
		42,686					
2039	R	BPA PROGRAM	2012	2057	139,153	39,597	.06930
		33,228					
		-----					
		TOTAL					
		33,228					
2040	R	BPA PROGRAM	2012	2057	139,153	6,369	.06930
		6,369					
	R	BPA PROGRAM	2013	2058	140,992	140,992	.06930
		16,634					
		-----					
		TOTAL					
		23,003					
2041	R	BPA PROGRAM	2013	2058	140,992	124,358	.06930
		12,021					
		-----					
		TOTAL					
		12,021					
2042	R	BPA PROGRAM	2013	2058	140,992	112,337	.06930
		206					
		-----					
		TOTAL					
		206					

0 GRAND TOTAL  
 4,968,287  
 0 TOTAL DEFERRAL  
 0

-----  
 0 NET  
 4,968,287

1  
 1INPUT CARDS ONLY  
 N1 REPAYMENT STUDY FOR 1996 FINAL RATE FILING  
 N2 OCTOBER 1,1997 - SEPTEMBER 30,1998 COST EVALUATION PERIOD  
 N3 REPAY 98 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT  
 N0 TRANSMISSION

11996 0 0 0 199820432043  
 0HISTORICAL YEAR: 1996  
 HISTORICAL CUMULATIVE REVENUES: 0  
 HISTORICAL CUMULATIVE PURCHASE & EXCHANGE: 0  
 HISTORICAL CUMULATIVE IRRIGATION INVESTMENT: 0  
 YEAR OF THE RATE CHANGE: 1998  
 LAST YEAR OF REPAYMENT PERIOD: 2043

INTEREST RATES OF INTEREST INCOME

1X07495 07492

INTEREST RATES OF NEW DEFERRALS

1Y06500 06250

OPERATING YEAR FACTORS

1F75000 75000

PROJECTED REVENUE

21997	332119	335220	335220	335220	335220	335220	335220	2343439
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				Prtt.txt					
22003	335220	335220	335220	335220	335220	335220	335220	335220	2346540
22010	335220	335220	335220	335220	335220	335220	335220	335220	2346540
22017	335220	335220	335220	335220	335220	335220	335220	335220	2346540
22024	335220	335220	335220	335220	335220	335220	335220	335220	2346540
22031	335220	335220	335220	335220	335220	335220	335220	335220	2346540
22038	335220	335220	335220	335220	335220	335220	335220	335220	2346540
22045	335220	335220	335220	335220	335220	335220	335220		2011320
	2678659	2681760	2681760	2681760	2681760	2681760	2346540		18433999 = TOT

AL FOR 2

PROJECTED IRRIGATION ASSISTANCE

	NEW INVESTMENT	NEW INVESTMENT	NEW INVESTMENT					
31997	0	0	0	0	0	0	0	0
31999	0	0	0	0	0	0	0	0
32002	0	0	0	0	0	0	0	0
32005	0	0	0	0	0	0	0	0
32008	0	0	0	0	0	0	0	0
32011	0	0	0	0	0	0	0	0
32014	0	0	0	0	0	0	0	0
32017	0	0	0	0	0	0	0	0
32020	0	0	0	0	0	0	0	0
32023	0	0	0	0	0	0	0	0
32026	0	0	0	0	0	0	0	0
32029	0	0	0	0	0	0	0	0
32032	0	0	0	0	0	0	0	0
32035	0	0	0	0	0	0	0	0
32038	0	0	0	0	0	0	0	0
32041	0	0	0	0	0	0	0	0
32044	0	0	0	0	0	0	0	0
32047	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0 = TOT

AL FOR 3

CAPITALIZED CONTRACTUAL OBLIGATIONS

41997	0	0	-920	-955	-989	-1021	-1053	-4938
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				Prtt.txt				
42004	-1084	-1115	-1145	-1174	-1202	-1230	-1257	-8207
42011	-1284	-1310	-1336	-1361	-1385	-1409	-1432	-9517
42018	-1455	-1476	-1497	-1518	-1538	-1556	-1575	-10615
42025	-1593	-1610	-1625	-1640	-1655	-1666	-1677	-11466
42032	-1687	-1696	-1703	-1708	-1714	-1715	-1711	-11934
42039	-1707	-1702	-1700	-1698	-1696			-8503
	-8810	-8909	-9926	-10054	-10179	-8597	-8705	-65180 = TOT

AL FOR 4

5	ALBE	ALBENI FALLS
5	BOIS	BOISE
5	BON2	BONNEVILLE - 2ND POWER HOUSE
5	BONN	BONNEVILLE
5	CHIE	CHIEF JOSEPH
5	COL3	COLUMBIA BASIN- 3RD POWER HOUSE
5	COLU	COLUMBIA BASIN
5	COUG	COUGAR
5	CRFB	COLUMBIA RIVER FISH MITIGATION
5	DETR	DETROIT-BIG CLIFF
5	DWOR	DWORSHAK
5	GREE	GREEN PETER-FOSTER
5	HILL	HILLS CREEK
5	HUNG	HUNGRY HORSE
5	ICEH	ICE HARBOR
5	JOHN	JOHN DAY
5	LIBB	LIBBY
5	LITT	LITTLE GOOSE
5	LOOK	LOOKOUT POINT-DEXTER
5	LOST	LOST CREEK
5	LOWG	LOWER GRANITE
5	LOWM	LOWER MONUMENTAL
5	LSFW	LOWER SNAKE F AND W
5	MCNA	MCNARY
5	MINI	MINIDOKA
5	STRU	STRUBE
5	THED	THE DALLES
5	YAKC	YAKIMA-CHANDLER

5 YAKR  
5 ZABF  
5 ZADB  
5 ZAFW  
5 ZBPA

YAKIMA-ROZA  
BPA PROGRAM  
BUREAU DIRECT FUND  
FISH, WILDLIFE & ENVIRONMENTAL  
BONNEVILLE POWER ADMINISTRATION

HISTORICAL

	O & M	INTEREST	
5	ALBEX	0	0
5	BOISX	0	0
5	BONNX	0	0
5	CHIEX	0	0
5	COLUX	0	0
5	COUGX	0	0
5	DETRX	0	0
5	DWORX	0	0
5	GREEX	0	0
5	HILLX	0	0
5	HUNGX	0	0
5	ICEHX	0	0
5	JOHNX	0	0
5	LIBBX	0	0
5	LITTX	0	0
5	LOOKX	0	0
5	LOSTX	0	0
5	LOWGX	0	0
5	LOWMX	0	0
5	MCNAX	0	0
5	MINIX	0	0
5	THEDX	0	0
5	YAKCX	0	0
5	YAKRX	0	0
5	ZBPAX	0	0
5	ZACOX	0	0
			0 = TOT

AL FOR 5

PROJECTED O & M

61996ALBE	0
61996BONN	81
61997BONN	81
61998BONN	85
61996CHIE	0
61996COUG	0
61996DETR	0
61996DWOR	32
61997DWOR	32
61998DWOR	35
61996GREE	0
61996HILL	0
61996ICEH	43
61997ICEH	43
61998ICEH	47
61996JOHN	0
61996LIBB	0
61996LITT	0
61996LOOK	0
61996LOST	0
61996LOWG	0
61996LOWM	0
61996MCNA	0
61996THED	0
61996BOIS	174
61997BOIS	173
61998BOIS	188
61996COLU	3915
61997COLU	3847
61998COLU	4184
61996HUNG	20
61997HUNG	19
61998HUNG	20
61996MINI	271
61997MINI	107
61998MINI	74
61996YAKC	98
61997YAKC	98
61998YAKC	109

61996YAKR 97  
 61997YAKR 98  
 61998YAKR 109  
 61996LSFW 0  
 14080

14080 = TOT

AL FOR 6

61994ZABF 0  
 0

0 = TOT

AL FOR 6

HISTORICAL FEDERAL INVESTMENTS

			ORIGINAL	CURRENT	INTEREST	DUE	INSERVICE	CALENDAR
	PROJECT		PRINCIPAL	PRINCIPAL	RATE	DATE	DATE	MONTH
6	1996	BOIS X	285	0	.03000	1962	1912	
6	1996	BOIS X	190	0	.03000	1976	1926	
6	1996	BOIS X	95	0	.03000	2000	1950	
6	1996	BOIS X	428	0	.03000	2001	1951	
6	1996	BOIS X	3	0	.03000	2001 R	1952	
6	1996	BOIS X	3	0	.03000	2001 R	1953	
6	1996	BOIS X	3	0	.03000	2001 R	1954	
6	1996	BOIS X	3	0	.03000	2001 R	1955	
6	1996	BOIS X	3	0	.03000	2001 R	1956	
6	1996	BOIS X	3	0	.03000	2001 R	1957	
6	1996	BOIS X	3	0	.03000	2001 R	1958	
6	1996	BOIS X	3	0	.03000	2001 R	1959	
6	1996	BOIS X	3	0	.03000	2001 R	1960	
6	1996	BOIS X	3	0	.03000	2001 R	1961	
6	1996	BOIS X	3	0	.03000	2001 R	1962	
6	1996	BOIS X	3	0	.03000	2001 R	1963	
6	1996	BOIS X	3	0	.03000	2001 R	1964	
6	1996	BOIS X	3	0	.03000	2001 R	1965	
6	1996	BOIS X	3	0	.03000	2001 R	1966	
6	1996	BOIS X	3	0	.03000	2001 R	1967	

Prtt.txt

6	1996	BOIS	X	3	0	.03000	2001	R	1968
6	1996	BOIS	X	3	0	.03000	2001	R	1969
6	1996	BOIS	X	3	0	.03000	2001	R	1970
6	1996	BOIS	X	3	0	.03000	2001	R	1971
6	1996	BOIS	X	3	0	.03000	2001	R	1972
6	1996	BOIS	X	3	0	.03000	2001	R	1973
6	1996	BOIS	X	3	0	.03000	2001	R	1974
6	1996	BOIS	X	3	0	.03000	2001	R	1975
6	1996	BOIS	X	3	0	.03000	2001	R	1976
6	1996	BOIS	X	3	0	.03000	2001	R	1977
6	1996	BOIS	X	3	0	.03000	2001	R	1978
6	1996	BOIS	X	3	0	.03000	2001	R	1979
6	1996	BOIS	X	4	0	.03000	2001	R	1980
6	1996	BOIS	X	2	0	.03000	2001	R	1981
6	1996	BOIS	X	1	0	.03000	2001	R	1982
6	1996	BOIS	X	2	0	.03000	2001	R	1983
6	1996	BOIS	X	303	0	.10750	2001	R	1984
6	1996	BON2	X	502	502	.06490	2031	A	1981
6	1996	BON2	X	2495	2495	.06490	2032	A	1982
6	1996	BON2	X	765	765	.06490	2033	A	1983
6	1996	BONN	X	130	0	.02500	1988		1938
6	1996	BONN	X	196	0	.02500	1991		1941
6	1996	BONN	X	65	0	.02500	1992		1942
6	1996	BONN	X	196	0	.02500	1993		1943
6	1996	BONN	X	65	0	.02500	1994		1944
6	1996	BONN	X	1	0	.02500	1994	R	1945
6	1996	BONN	X	1	0	.02500	1994	R	1946
6	1996	BONN	X	1	0	.02500	1994	R	1947
6	1996	BONN	X	1	0	.02500	1994	R	1948
6	1996	BONN	X	1	0	.02500	1994	R	1949
6	1996	BONN	X	1	0	.02500	1994	R	1950
6	1996	BONN	X	1	0	.02500	1994	R	1951
6	1996	BONN	X	1	0	.02500	1994	R	1952
6	1996	BONN	X	1	0	.02500	1994	R	1953
6	1996	BONN	X	1	0	.02500	1994	R	1954
6	1996	BONN	X	1	0	.02500	1994	R	1955
6	1996	BONN	X	1	0	.02500	1994	R	1956
6	1996	BONN	X	1	0	.02500	1994	R	1957
6	1996	BONN	X	1	0	.02500	1994	R	1958

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6	1996	BONN	X	1	0	.02500	1994	R	1959
6	1996	BONN	X	1	0	.02500	1994	R	1960
6	1996	BONN	X	1	0	.02500	1994	R	1961
6	1996	BONN	X	1	0	.02500	1994	R	1962
6	1996	BONN	X	1	0	.02500	1994	R	1963
6	1996	BONN	X	1	0	.02500	1994	R	1964
6	1996	BONN	X	1	0	.02500	1994	R	1965
6	1996	BONN	X	1	0	.02500	1994	R	1966
6	1996	BONN	X	1	0	.02500	1994	R	1967
6	1996	BONN	X	1	0	.02500	1994	R	1968
6	1996	BONN	X	1	0	.02500	1994	R	1969
6	1996	BONN	X	1	0	.02500	1994	R	1970
6	1996	BONN	X	1	0	.02500	1994	R	1971
6	1996	BONN	X	1	0	.02500	1994	R	1972
6	1996	BONN	X	1	0	.02500	1994	R	1973
6	1996	BONN	X	1	0	.02500	1994	R	1974
6	1996	BONN	X	1	0	.02500	1994	R	1975
6	1996	BONN	X	1	0	.02500	1994	R	1976
6	1996	BONN	X	1	0	.02500	1994	R	1977
6	1996	BONN	X	1	0	.02500	1994	R	1978
6	1996	BONN	X	1	0	.02500	1994	R	1979
6	1996	BONN	X	1	0	.02500	1994	R	1980
6	1996	BONN	X	1	0	.02500	1994	R	1981
6	1996	BONN	X	1	0	.02500	1994	R	1982
6	1996	BONN	X	1	0	.02500	1994	R	1983
6	1996	BONN	X	10	0	.10750	1994	R	1984
6	1996	COL3	X	9469	8202	.06470	2025	A	1975
6	1996	COL3	X	8834	8834	.06490	2026	A	1976
6	1996	COL3	X	8761	8761	.06490	2027	A	1977
6	1996	COL3	X	8692	8692	.06490	2028	A	1978
6	1996	COL3	X	17254	17254	.06490	2029	A	1979
6	1996	COL3	X	3486	3486	.06490	2033	A	1984
6	1996	COL3	X	2273	2273	.06490	2033	A	1985
6	1996	COL3	X	2041	2041	.06490	2033	A	1986
6	1996	COL3	X	1908	1908	.06490	2033	A	1987
6	1996	COL3	X	2531	2531	.06490	2033	A	1988
6	1996	COLU	X	1505	0	.03000	1991		1941
6	1996	COLU	X	3011	0	.03000	1992		1942
6	1996	COLU	X	1505	0	.03000	1993		1943

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6	1996	COLU	X	3011	0	.03000	1994	1944
6	1996	COLU	X	4516	0	.03000	1998	1948
6	1996	COLU	X	4516	0	.03000	1999	1949
6	1996	COLU	X	3011	0	.03000	2000	1950
6	1996	COLU	X	5847	1494	.05810	2001	1951
6	1996	COLU	X	50	50	.05810	2001 R	1952
6	1996	COLU	X	50	50	.05810	2001 R	1953
6	1996	COLU	X	50	50	.05810	2001 R	1954
6	1996	COLU	X	50	50	.05810	2001 R	1955
6	1996	COLU	X	50	50	.05810	2001 R	1956
6	1996	COLU	X	50	50	.05810	2001 R	1957
6	1996	COLU	X	50	50	.05810	2001 R	1958
6	1996	COLU	X	50	50	.05810	2001 R	1959
6	1996	COLU	X	50	50	.05810	2001 R	1960
6	1996	COLU	X	50	50	.05810	2001 R	1961
6	1996	COLU	X	50	50	.05810	2001 R	1962
6	1996	COLU	X	50	50	.05810	2001 R	1963
6	1996	COLU	X	50	50	.05810	2001 R	1964
6	1996	COLU	X	50	50	.05810	2001 R	1965
6	1996	COLU	X	50	50	.05810	2001 R	1966
6	1996	COLU	X	50	50	.05810	2001 R	1967
6	1996	COLU	X	50	50	.05810	2001 R	1968
6	1996	COLU	X	50	50	.05810	2001 R	1969
6	1996	COLU	X	50	50	.05810	2001 R	1970
6	1996	COLU	X	50	50	.05810	2001 R	1971
6	1996	COLU	X	50	50	.05810	2001 R	1972
6	1996	COLU	X	50	50	.05810	2001 R	1973
6	1996	COLU	X	50	50	.05810	2001 R	1974
6	1996	COLU	X	50	50	.05810	2001 R	1975
6	1996	COLU	X	50	50	.05810	2001 R	1976
6	1996	COLU	X	50	50	.05810	2001 R	1977
6	1996	COLU	X	50	50	.05810	2001 R	1978
6	1996	COLU	X	50	50	.05810	2001 R	1979
6	1996	COLU	X	50	50	.05810	2001 R	1980
6	1996	COLU	X	50	50	.05810	2001 R	1981
6	1996	COLU	X	50	50	.05810	2001 R	1982
6	1996	COLU	X	50	50	.05810	2001 R	1983
6	1996	COLU	X	1455	0	.10750	2001 R	1984
6	1996	COLU	X	362	0	.12375	2001 R	1985



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6	1996	COLU	X	12	12	.05810	2001	1985
6	1996	COLU	X	2	0	.08500	2001 R	1988
6	1996	COLU	X	652	0	.08500	2001	1992
6	1996	DWOR	X	929	896	.06430	2023	1973
6	1996	DWOR	X	4	4	.06430	2023 R	1974
6	1996	DWOR	X	4	4	.06430	2023 R	1975
6	1996	DWOR	X	4	4	.06430	2023 R	1976
6	1996	DWOR	X	4	4	.06430	2023 R	1977
6	1996	DWOR	X	4	4	.06430	2023 R	1978
6	1996	DWOR	X	4	4	.06430	2023 R	1979
6	1996	DWOR	X	4	4	.06430	2023 R	1980
6	1996	DWOR	X	4	4	.06430	2023 R	1981
6	1996	DWOR	X	4	4	.06430	2023 R	1982
6	1996	DWOR	X	4	4	.06430	2023 R	1983
6	1996	DWOR	X	15	0	.10750	2023 R	1984
6	1996	HUNG	X	2152	516	.05950	2003	1953
6	1996	HUNG	X	1	1	.05950	2003 R	1954
6	1996	HUNG	X	1	1	.05950	2003 R	1955
6	1996	HUNG	X	1	1	.05950	2003 R	1956
6	1996	HUNG	X	1	1	.05950	2003 R	1957
6	1996	HUNG	X	1	1	.05950	2003 R	1958
6	1996	HUNG	X	1	1	.05950	2003 R	1959
6	1996	HUNG	X	1	1	.05950	2003 R	1960
6	1996	HUNG	X	1	1	.05950	2003 R	1961
6	1996	HUNG	X	1	1	.05950	2003 R	1962
6	1996	HUNG	X	1	1	.05950	2003 R	1963
6	1996	HUNG	X	1	1	.05950	2003 R	1964
6	1996	HUNG	X	1	1	.05950	2003 R	1965
6	1996	HUNG	X	1	1	.05950	2003 R	1966
6	1996	HUNG	X	1	1	.05950	2003 R	1967
6	1996	HUNG	X	1	1	.05950	2003 R	1968
6	1996	HUNG	X	1	1	.05950	2003 R	1969
6	1996	HUNG	X	1	1	.05950	2003 R	1970
6	1996	HUNG	X	1	1	.05950	2003 R	1971
6	1996	HUNG	X	1	1	.05950	2003 R	1972
6	1996	HUNG	X	1	1	.05950	2003 R	1973
6	1996	HUNG	X	1	1	.05950	2003 R	1974
6	1996	HUNG	X	1	1	.05950	2003 R	1975
6	1996	HUNG	X	1	1	.05950	2003 R	1976

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6	1996	HUNG X	1	1	.05950	2003 R	1977
6	1996	HUNG X	1	1	.05950	2003 R	1978
6	1996	HUNG X	1	1	.05950	2003 R	1979
6	1996	HUNG X	1	1	.05950	2003 R	1980
6	1996	HUNG X	1	1	.05950	2003 R	1981
6	1996	HUNG X	1	1	.05950	2003 R	1982
6	1996	HUNG X	1	1	.05950	2003 R	1983
6	1996	HUNG X	1	0	.10750	2003 R	1984
6	1996	HUNG X	37	0	.12375	2003 R	1985
6	1996	HUNG X	9	0	.08500	2003	1992
6	1996	ICEH X	719	548	.06220	2012	1962
6	1996	ICEH X	1	1	.06220	2012 R	1963
6	1996	ICEH X	1	1	.06220	2012 R	1964
6	1996	ICEH X	1	1	.06220	2012 R	1965
6	1996	ICEH X	1	1	.06220	2012 R	1966
6	1996	ICEH X	1	1	.06220	2012 R	1967
6	1996	ICEH X	1	1	.06220	2012 R	1968
6	1996	ICEH X	1	1	.06220	2012 R	1969
6	1996	ICEH X	1	1	.06220	2012 R	1970
6	1996	ICEH X	1	1	.06220	2012 R	1971
6	1996	ICEH X	1	1	.06220	2012 R	1972
6	1996	ICEH X	1	1	.06220	2012 R	1973
6	1996	ICEH X	1	1	.06220	2012 R	1974
6	1996	ICEH X	1	1	.06220	2012 R	1975
6	1996	ICEH X	250	250	.06490	2026 A	1976
6	1996	ICEH X	1	1	.06220	2012 R	1976
6	1996	ICEH X	1	1	.06220	2012 R	1977
6	1996	ICEH X	1	1	.06220	2012 R	1978
6	1996	ICEH X	1	1	.06220	2012 R	1979
6	1996	ICEH X	1	1	.06220	2012 R	1980
6	1996	ICEH X	1	1	.06220	2012 R	1981
6	1996	ICEH X	1	1	.06220	2012 R	1982
6	1996	ICEH X	1	1	.06220	2012 R	1983
6	1996	ICEH X	1	0	.08875	2012 R	1987
6	1996	MINI X	226	0	.03000	1959	1909
6	1996	MINI X	451	0	.03000	1960	1910
6	1996	MINI X	451	0	.03000	1961	1911
6	1996	MINI X	226	0	.03000	1977	1927
6	1996	MINI X	226	0	.03000	1992	1942

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6	1996	MINI	X	677	0	.03000	2007 1957
6	1996	MINI	X	226	0	.03000	2008 1958
6	1996	MINI	X	28	0	.03000	2008 R 1959
6	1996	MINI	X	29	0	.03000	2008 R 1960
6	1996	MINI	X	29	0	.03000	2008 R 1961
6	1996	MINI	X	28	0	.03000	2008 R 1962
6	1996	MINI	X	29	0	.03000	2008 R 1963
6	1996	MINI	X	28	0	.03000	2008 R 1964
6	1996	MINI	X	29	0	.03000	2008 R 1965
6	1996	MINI	X	29	0	.03000	2008 R 1966
6	1996	MINI	X	28	0	.03000	2008 R 1967
6	1996	MINI	X	29	0	.03000	2008 R 1968
6	1996	MINI	X	28	0	.03000	2008 R 1969
6	1996	MINI	X	29	0	.03000	2008 R 1970
6	1996	MINI	X	29	0	.03000	2008 R 1971
6	1996	MINI	X	28	0	.03000	2008 R 1972
6	1996	MINI	X	29	0	.03000	2008 R 1973
6	1996	MINI	X	28	0	.03000	2008 R 1974
6	1996	MINI	X	29	0	.03000	2008 R 1975
6	1996	MINI	X	29	0	.03000	2008 R 1976
6	1996	MINI	X	28	0	.03000	2008 R 1977
6	1996	MINI	X	22	22	.06150	2008 R 1978
6	1996	MINI	X	21	21	.06150	2008 R 1979
6	1996	MINI	X	22	22	.06150	2008 R 1980
6	1996	MINI	X	22	22	.06150	2008 R 1981
6	1996	MINI	X	21	21	.06150	2008 R 1982
6	1996	MINI	X	22	22	.06150	2008 R 1983
6	1996	MINI	X	11	0	.10750	2008 R 1984
6	1996	YAKC	X	507	242	.06410	2022 1956
6	1996	YAKC	X	1	1	.06410	2022 R 1959
6	1996	YAKC	X	1	1	.06410	2022 R 1960
6	1996	YAKC	X	1	1	.06410	2022 R 1961
6	1996	YAKC	X	1	1	.06410	2022 R 1962
6	1996	YAKC	X	1	1	.06410	2022 R 1963
6	1996	YAKC	X	1	1	.06410	2022 R 1964
6	1996	YAKC	X	1	1	.06410	2022 R 1965
6	1996	YAKC	X	1	1	.06410	2022 R 1966
6	1996	YAKC	X	1	1	.06410	2022 R 1967
6	1996	YAKC	X	1	1	.06410	2022 R 1968

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6	1996	YAKC	X	1	1	.06410	2022 R	1969
6	1996	YAKC	X	1	1	.06410	2022 R	1970
6	1996	YAKC	X	1	1	.06410	2022 R	1971
6	1996	YAKC	X	1	1	.06410	2022 R	1972
6	1996	YAKC	X	1	1	.06410	2022 R	1973
6	1996	YAKC	X	1	1	.06410	2022 R	1974
6	1996	YAKC	X	1	1	.06410	2022 R	1975
6	1996	YAKC	X	1	1	.06410	2022 R	1976
6	1996	YAKC	X	1	1	.06410	2022 R	1977
6	1996	YAKC	X	10	0	.10750	2022 R	1984
6	1996	YAKR	X	306	175	.06150	2008	1958
6	1996	YAKR	X	5	0	.10750	2008 R	1984
				110329	73717			

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= TOTAL FOR 6

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6	1996	ZBPA	X	6812	0	.02500	1985	1940
6	1996	ZBPA	X	18906	0	.02500	1986	1941
6	1996	ZBPA	X	461	0	.02500	1986 R	1941
6	1996	ZBPA	X	8446	0	.02500	1987	1942
6	1996	ZBPA	X	1052	0	.02500	1987 R	1942
6	1996	ZBPA	X	16083	0	.02500	1988	1943
6	1996	ZBPA	X	4538	0	.02500	1988 R	1943
6	1996	ZBPA	X	583	0	.02500	1989	1944
6	1996	ZBPA	X	249	0	.02500	1989 R	1944
6	1996	ZBPA	X	1306	0	.02500	1990	1945
6	1996	ZBPA	X	3366	0	.02500	1990 R	1945
6	1996	ZBPA	X	2488	0	.02500	1991	1946
6	1996	ZBPA	X	732	0	.02500	1991 R	1946
6	1996	ZBPA	X	1330	0	.02500	1992	1947
6	1996	ZBPA	X	1773	0	.02500	1992 R	1947
6	1996	ZBPA	X	7468	0	.02500	1993	1948
6	1996	ZBPA	X	2290	0	.02500	1993 R	1948
6	1996	ZBPA	X	6809	0	.02500	1994	1949
6	1996	ZBPA	X	2719	0	.02500	1994 R	1949
6	1996	ZBPA	X	24111	0	.02500	1995	1950
6	1996	ZBPA	X	6124	0	.02500	1995 R	1950

6	1996	ZBPA	X	7040	0	.02500	1996	1951
6	1996	ZBPA	X	13266	0	.02500	1996 R	1951
6	1996	ZBPA	X	18610	0	.02500	1997	1952
6	1996	ZBPA	X	8979	0	.02500	1997 R	1952
6	1996	ZBPA	X	32639	23927	.05450	1998	1953
6	1996	ZBPA	X	16085	11791	.05450	1998 R	1953
6	1996	ZBPA	X	24211	24211	.05580	1999	1954
6	1996	ZBPA	X	17809	17809	.05580	1999 R	1954
6	1996	ZBPA	X	12222	12222	.05690	2000	1955
6	1996	ZBPA	X	10626	10626	.05690	2000 R	1955
6	1996	ZBPA	X	15154	15154	.05810	2001	1956
6	1996	ZBPA	X	33508	33508	.05810	2001 R	1956
6	1996	ZBPA	X	8313	8313	.05880	2002	1957
6	1996	ZBPA	X	16745	16745	.05880	2002 R	1957
6	1996	ZBPA	X	16434	16434	.05950	2003	1958
6	1996	ZBPA	X	11228	11228	.05950	2003 R	1958
6	1996	ZBPA	X	8647	8647	.06000	2004	1959
6	1996	ZBPA	X	9395	9395	.06000	2004 R	1959
6	1996	ZBPA	X	3832	3832	.06050	2005	1960
6	1996	ZBPA	X	4492	4492	.06050	2005 R	1960
6	1996	ZBPA	X	4778	4778	.06110	2006	1961
6	1996	ZBPA	X	12053	12053	.06110	2006 R	1961
6	1996	ZBPA	X	21088	21088	.06130	2007	1962
6	1996	ZBPA	X	5248	5248	.06130	2007 R	1962
6	1996	ZBPA	X	5283	5283	.06150	2008	1963
6	1996	ZBPA	X	4692	4692	.06150	2008 R	1963
6	1996	ZBPA	X	978	978	.06150	2008	1963
6	1996	ZBPA	X	869	869	.06150	2008 R	1963
6	1996	ZBPA	X	4996	4996	.05160	2009	1964
6	1996	ZBPA	X	6907	6907	.05160	2009 R	1964
6	1996	ZBPA	X	4064	4064	.06180	2010	1965
6	1996	ZBPA	X	7948	7948	.06180	2010 R	1965
6	1996	ZBPA	X	5701	5701	.06180	2010	1965
6	1996	ZBPA	X	11146	11146	.06180	2010 R	1965
6	1996	ZBPA	X	13047	13047	.06200	2011	1966
6	1996	ZBPA	X	3363	3363	.06200	2011 R	1966
6	1996	ZBPA	X	7326	7326	.06200	2011	1966
6	1996	ZBPA	X	1889	1889	.06200	2011 R	1966
6	1996	ZBPA	X	21053	21053	.06220	2012	1967

6	1996	ZBPA	X	5059	5059	.06220	2012	R	1967
6	1996	ZBPA	X	15843	15843	.06220	2012		1967
6	1996	ZBPA	X	3807	3807	.06220	2012	R	1967
6	1996	ZBPA	X	45776	45776	.06240	2013		1968
6	1996	ZBPA	X	9001	9001	.06240	2013	R	1968
6	1996	ZBPA	X	25861	25861	.06240	2013		1968
6	1996	ZBPA	X	5085	5085	.06240	2013	R	1968
6	1996	ZBPA	X	47301	47301	.06260	2014		1969
6	1996	ZBPA	X	25239	25239	.06260	2014	R	1969
6	1996	ZBPA	X	430	430	.06260	2014		1969
6	1996	ZBPA	X	229	229	.06260	2014	R	1969
6	1996	ZBPA	X	73118	73118	.06280	2015		1970
6	1996	ZBPA	X	8997	8997	.06280	2015	R	1970
6	1996	ZBPA	X	27471	27471	.06280	2015		1970
6	1996	ZBPA	X	3380	3380	.06280	2015	R	1970
6	1996	ZBPA	X	13574	13574	.06300	2016		1971
6	1996	ZBPA	X	20054	20054	.06300	2016	R	1971
6	1996	ZBPA	X	13574	13476	.06300	2016		1971
6	1996	ZBPA	X	20054	19910	.06300	2016	R	1971
6	1996	ZBPA	X	32799	32799	.06320	2017		1972
6	1996	ZBPA	X	23677	23677	.06320	2017	R	1972
6	1996	ZBPA	X	4442	4442	.06320	2017		1972
6	1996	ZBPA	X	3206	3206	.06320	2017	R	1972
6	1996	ZBPA	X	44083	37664	.06340	2018		1973
6	1996	ZBPA	X	28255	24141	.06340	2018	R	1973
6	1996	ZBPA	X	26670	18212	.06340	2018		1973
6	1996	ZBPA	X	17094	11673	.06340	2018	R	1973
6	1996	ZBPA	X	13421	13421	.06360	2019		1974
6	1996	ZBPA	X	23314	23314	.06360	2019	R	1974
6	1996	ZBPA	X	13977	13977	.06360	2019		1974
6	1996	ZBPA	X	24283	24283	.06360	2019	R	1974
6	1996	ZBPA	X	35527	35527	.06380	2020		1975
6	1996	ZBPA	X	24312	24312	.06380	2020	R	1975
6	1996	ZBPA	X	19025	19025	.06380	2020		1975
6	1996	ZBPA	X	13020	13020	.06380	2020	R	1975
6	1996	ZBPA	X	67534	67534	.06390	2021		1976
6	1996	ZBPA	X	2447	2447	.06390	2021	R	1976
6	1996	ZBPA	X	4354	4354	.06410	2022		1977
6	1996	ZBPA	X	5934	5934	.06410	2022	R	1977

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6	1996	ZBPA	X	37113	37113	.06410	2022	1977
6	1996	ZBPA	X	51465	9613	.06410	2022 R	1977
				1429115	1184062			

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6	1995	ZABF	X	17770	0	.08950	2013	1978	09
6	1995	ZABF	X	24222	0	.08950	2013 R	1978	09
6	1995	ZABF	X	7010	0	.09450	2014	1979	06
6	1995	ZABF	X	9804	0	.09450	2014 R	1979	06
6	1995	ZABF	X	26690	0	.09450	2014	1979	06
6	1995	ZABF	X	21977	0	.09450	2014 R	1979	06
6	1995	ZABF	X	6026	0	.09450	2014 R	1979	06
6	1995	ZABF	X	21228	0	.09900	2014	1979	09
6	1995	ZABF	X	14340	0	.09900	2014 R	1979	09
6	1995	ZABF	X	10610	0	.09900	2014	1979	09
6	1995	ZABF	X	2888	0	.09900	2014 R	1979	09
6	1995	ZABF	X	39696	0	.13000	2015	1980	09
6	1995	ZABF	X	10806	0	.13000	2015 R	1980	09
6	1995	ZABF	X	44811	0	.13000	2015	1980	09
6	1995	ZABF	X	1469	0	.13000	2015 R	1980	09
6	1995	ZABF	X	9292	0	.13000	2015	1980	09
6	1995	ZABF	X	4253	0	.13000	2015 R	1980	09
6	1995	ZABF	X	119775	0	.16600	2016	1981	09
6	1995	ZABF	X	54821	0	.16600	2016 R	1981	09
6	1995	ZABF	X	34221	0	.14400	2017	1982	12
6	1995	ZABF	X	15663	0	.14400	2017 R	1982	12
6	1995	ZABF	X	9975	0	.14400	2017	1982	04
6	1995	ZABF	X	4566	0	.14400	2017 R	1982	04
6	1995	ZABF	X	46980	0	.14400	2017	1982	04
6	1995	ZABF	X	37455	0	.14400	2017 R	1982	04
6	1995	ZABF	X	3677	0	.14150	2017	1982	07
6	1995	ZABF	X	-3677	0	.14150	2017	1987	07
6	1995	ZABF	X	2932	0	.14150	2017 R	1982	07
6	1995	ZABF	X	-2932	0	.14150	2017 R	1987	07
6	1995	ZABF	X	77807	0	.14150	2017	1982	07
6	1995	ZABF	X	-77807	0	.14150	2017	1987	07

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6	1995	ZABF	X	39741	0	.10850	2018	1983	11	
6	1995	ZABF	X	-39741	0	.10850	2018	1988	02	
6	1995	ZABF	X	29806	0	.11700	2018	1983	06	
6	1995	ZABF	X	814	0	.12250	2018	1983	09	
6	1995	ZABF	X	37235	0	.12250	2018	1983	09	
6	1995	ZABF	X	6708	0	.12250	2018 R	1983	09	
6	1995	ZABF	X	25283	0	.12300	2019	1984	11	
6	1995	ZABF	X	4555	0	.12300	2019 R	1984	11	
6	1995	ZABF	X	50567	0	.13050	2019	1984	09	
6	1995	ZABF	X	9109	0	.13050	2019 R	1984	09	
6	1995	ZABF	X	84278	0	.11250	2029	1985	06	
6	1995	ZABF	X	15182	0	.11250	2029 R	1985	06	
6	1995	ZABF	X	870	0	.08150	1996	1986	03	T
6	1995	ZABF	X	157	0	.08150	1996 R	1986	03	T
6	1995	ZABF	X	30161	0	.08150	1996	1986	03	T
6	1995	ZABF	X	68194	0	.08150	1996 R	1986	03	T
6	1995	ZABF	X	5161	0	.08950	2030	1986	06	
6	1995	ZABF	X	-5161	0	.08950	2030	1992	08	
6	1995	ZABF	X	11668	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	-11668	0	.08950	2030 R	1992	08	
6	1995	ZABF	X	180054	0	.08950	2030	1986	06	
6	1995	ZABF	X	-180054	0	.08950	2030	1992	08	
6	1995	ZABF	X	3117	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	-3117	0	.08950	2030 R	1992	08	
6	1995	ZABF	X	40000	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	-40000	0	.08950	2030 R	1994	05	
6	1995	ZABF	X	57354	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	43236	0	.09300	2031	1987	04	
6	1995	ZABF	X	-43236	0	.09300	2031	1992	04	
6	1995	ZABF	X	54409	0	.09300	2031 R	1987	04	
6	1995	ZABF	X	-54409	0	.09300	2031 R	1992	04	
6	1995	ZABF	X	96519	0	.08350	1992	1987	06	T
6	1995	ZABF	X	4113	0	.09550	2017	1987	07	
6	1995	ZABF	X	3274	0	.09550	2017 R	1987	07	
6	1995	ZABF	X	86958	0	.09550	2017	1987	07	
6	1995	ZABF	X	7903	0	.09550	2032	1987	07	
6	1995	ZABF	X	3109	0	.09550	2032 R	1987	07	
6	1995	ZABF	X	37342	0	.09550	2032	1987	07	
6	1995	ZABF	X	43417	0	.09500	2018	1988	02	



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6	1995	ZABF	X	28513	0	.09500	2033	1988	02		
6	1995	ZABF	X	-28513	0	.09500	2033	1994	10		
6	1995	ZABF	X	27887	0	.09500	2033 R	1988	02		
6	1995	ZABF	X	-27887	0	.09500	2033 R	1994	10		
6	1995	ZABF	X	20677	0	.09500	2033	1988	02		
6	1995	ZABF	X	-20677	0	.09500	2033	1994	10		
6	1995	ZABF	X	22923	0	.09500	2033 R	1988	02		
6	1995	ZABF	X	-22923	0	.09500	2033 R	1994	10		
6	1995	ZABF	X	45870	0	.09500	2033 R	1988	02		
6	1995	ZABF	X	-45870	0	.09500	2033 R	1994	05		
6	1995	ZABF	X	9018	0	.09900	2033	1988	06		
6	1995	ZABF	X	30004	0	.09900	2033 R	1988	06		
6	1995	ZABF	X	16909	16909	.08950	1999	1989	05	T	
6	1995	ZABF	X	56257	56257	.08950	1999 R	1989	05	T	
6	1995	ZABF	X	1149	1149	.09250	2030	1990	01	10	
6	1995	ZABF	X	3824	3824	.09250	2030 R	1990	01	10	
6	1995	ZABF	X	41894	41894	.09250	2030	1990	01	10	
6	1995	ZABF	X	54145	0	.07550	1995	1991	02	T	
6	1995	ZABF	X	147521	147521	.08800	2032	1992	04		
6	1995	ZABF	X	50000	50000	.07000	1997	1992	04	T	
6	1995	ZABF	X	80000	0	.06200	1995	1992	04	T	
6	1995	ZABF	X	28300	28300	.07000	1997	1992	04	T	
6	1995	ZABF	X	150000	150000	.08130	2032	1992	07		
6	1995	ZABF	X	107800	107800	.06600	2000	1992	08	T	
6	1995	ZABF	X	107700	107700	.07250	2007	1992	08		
6	1995	ZABF	X	50000	50000	.06050	1998	1993	10	T	
6	1995	ZABF	X	88984	88984	.08350	2033	1993	10		
6	1995	ZABF	X	130000	130000	.07800	2033	1993	02		
6	1995	ZABF	X	100000	100000	.07500	2033	1993	04		
6	1995	ZABF	X	110000	110000	.06950	2033	1993	08		
6	1995	ZABF	X	108400	108400	.06850	2033	1994	10		
6	1995	ZABF	X	43155	0	.07100	1998	1994	05	01	P
6	1995	ZABF	X	49489	0	.07100	1998	1994	05	01	P
6	1995	ZABF	X	35722	35722	.06850	2034	1994	10		
6	1995	ZABF	X	50000	50000	.07050	2034	1994	01		
6	1995	ZABF	X	50000	50000	.08200	2034	1994	05		
6	1995	ZABF	X	55000	0	.07650	1999	1994	09	01	P
6	1995	ZABF	X	55000	5010	.08350	2001	1995	01	01	P
6	1995	ZABF	X	41491	41491	.07700	2025	1995	07	05	

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6	1995	ZABF	X	65000	65000	.07700	2025	1995	08	05
6	1995	ZAFW	X	12100	12100	.07200	2010	1995	08	05
6	1996	ZABF	X	148702	148702	.07240	2041	1996	03	
6	1996	ZAFW	X	15000	15000	.06950	2011	1996	03	
6	1997	ZABF	X	124330	124330	.06930	2042	1997	03	
6	1997	ZAFW	X	12200	12200	.06600	2012	1997	03	
6	1998	ZABF	X	121417	121417	.06720	2043	1998	03	
6	1998	ZAFW	X	11200	11200	.06400	2013	1998	03	
				3660967	1990910					1670057

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CORPS-BUREAU REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE
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1

BPA REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE
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6	1999	ZABF	X	104977	104977	2044	R	.06720
6	2000	ZABF	X	108816	108816	2045	R	.06720
6	2001	ZABF	X	112449	112449	2046	R	.06720
6	2002	ZABF	X	115989	115989	2047	R	.06720
6	2003	ZABF	X	119304	119304	2048	R	.06720
6	2004	ZABF	X	122443	122443	2049	R	.06720
6	2005	ZABF	X	125562	125562	2050	R	.06720
6	2006	ZABF	X	128601	128601	2051	R	.06720
6	2007	ZABF	X	131489	131489	2052	R	.06720
6	2008	ZABF	X	134098	134098	2053	R	.06720
6	2009	ZABF	X	136415	136415	2054	R	.06720

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6	2010	ZABF	X	138354	138354	2055 R .06720
6	2011	ZABF	X	140167	140167	2056 R .06720
6	2012	ZABF	X	142007	142007	2057 R .06720
6	2013	ZABF	X	143878	143878	2058 R .06720
6	2014	ZABF	X	145774	145774	2059 R .06720
6	2015	ZABF	X	147780	147780	2060 R .06720
6	2016	ZABF	X	149853	149853	2061 R .06720
6	2017	ZABF	X	151931	151931	2062 R .06720
6	2018	ZABF	X	154056	154056	2063 R .06720
6	2019	ZABF	X	156132	156132	2064 R .06720
6	2020	ZABF	X	158154	158154	2065 R .06720
6	2021	ZABF	X	160074	160074	2066 R .06720
6	2022	ZABF	X	161853	161853	2067 R .06720
6	2023	ZABF	X	163532	163532	2068 R .06720
6	2024	ZABF	X	165102	165102	2069 R .06720
6	2025	ZABF	X	166518	166518	2070 R .06720
6	2026	ZABF	X	167873	167873	2071 R .06720
6	2027	ZABF	X	169237	169237	2072 R .06720
6	2028	ZABF	X	170570	170570	2073 R .06720
6	2029	ZABF	X	171922	171922	2074 R .06720
6	2030	ZABF	X	173353	173353	2075 R .06720
6	2031	ZABF	X	174822	174822	2076 R .06720
6	2032	ZABF	X	176311	176311	2077 R .06720
6	2033	ZABF	X	177823	177823	2078 R .06720
6	2034	ZABF	X	179366	179366	2079 R .06720
6	2035	ZABF	X	180851	180851	2080 R .06720
6	2036	ZABF	X	182231	182231	2081 R .06720
6	2037	ZABF	X	183489	183489	2082 R .06720
6	2038	ZABF	X	184631	184631	2083 R .06720
6	2039	ZABF	X	185618	185618	2084 R .06720
6	2040	ZABF	X	186502	186502	2085 R .06720
6	2041	ZABF	X	187327	187327	2086 R .06720
6	2042	ZABF	X	188092	188092	2087 R .06720
6	2043	ZABF	X	188941	188941	2088 R .06720

NUMBER OF INVESTMENTS FOR THIS STUDY IS 529

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REPAYMENT STUDY FOR 1996 FINAL RATE FILING  
 OCTOBER 1,1997 - SEPTEMBER 30,1998 COST EVALUATION PERIOD  
 REPAY 98 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT  
 TRANSMISSION

SUMMARY OF SOLUTION STEPS

PRIMARY ITERATION NUMBER	TRIAL REVENUE FACTOR	SECONDARY ITERATIONS REQUIRED	RESULTS
1	1.000000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
2	.500000	1	DIVERGING, TOTAL NEGATIVE BALANCES OF *****
3	.750000	1	DIVERGING, TOTAL NEGATIVE BALANCES OF 6827670.0
4	.870000	1	DIVERGING, TOTAL NEGATIVE BALANCES OF 4021827.0
5	.930000	1	DIVERGING, TOTAL NEGATIVE BALANCES OF 2265556.0
6	.960000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2030
7	.980000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2035
8	.990000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2040
9	.995000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2042
10	.997500	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2043
11	.998700	3	CONVERGED TO A VALID REPAYMENT SCHEDULE
12	.998100	3	CONVERGED TO A VALID REPAYMENT SCHEDULE

13	.997800	3	CONVERGED TO A VALID REPAYMENT SCHEDULE
14	.997650	3	CONVERGED TO A VALID REPAYMENT SCHEDULE
15	.997570	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2043
16	.997610	3	ANNUAL REVENUES INSUFFICIENT IN YEAR 2043
17	.997650	1	CONVERGED TO MINIMUM REPAYMENT SCHEDULE

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REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,1997 - SEPTEMBER 30,1998 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE A FISCAL

0	1	2	3	4	5	6	7
OFISCAL YEAR	REVENUE ENDING SEPT 30 N + (-) OCUMULATIVE 1996	REVENUE REQUIREMENT =	ANNUAL OBLIGATIONS	PURCHASE AND EXCHANGE POWER	GROSS INTEREST	IRRIGATION AMORTIZATION	IRRIGATION AMORTIZATIO
						1,951,722	
1997		332,119	4,498		206,932	120,689	
1998		334,432	4,851		206,334	123,247	
1999		334,432	4,851	-920	204,032	126,469	

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2000	334,432	4,851	-955	200,574	129,962
2001	334,432	4,851	-989	204,320	126,250
2002	334,432	4,851	-1,021	204,177	126,425
2003	334,432	4,851	-1,053	201,625	129,009
2004	334,432	4,851	-1,084	199,945	130,720
2005	334,432	4,851	-1,115	198,376	132,320
2006	334,432	4,851	-1,145	195,734	134,992
2007	334,432	4,851	-1,174	188,880	141,875
2008	334,432	4,851	-1,202	193,476	137,307
2009	334,432	4,851	-1,230	192,882	137,929
2010	334,432	4,851	-1,257	190,046	140,792
2011	334,432	4,851	-1,284	189,991	140,874
2012	334,432	4,851	-1,310	189,405	141,486
2013	334,432	4,851	-1,336	187,516	143,401
2014	334,432	4,851	-1,361	188,750	142,192
2015	334,432	4,851	-1,385	188,119	142,847
2016	334,432	4,851	-1,409	191,056	139,934

			Prtt.txt		
2017	334,432	4,851	-1,432	192,181	138,832
2018	334,432	4,851	-1,455	192,360	138,676
2019	334,432	4,851	-1,476	194,478	136,579
2020	334,432	4,851	-1,497	195,524	135,554
2021	334,432	4,851	-1,518	198,238	132,861
2022	334,432	4,851	-1,538	200,792	130,327
2023	334,432	4,851	-1,556	205,124	126,013
2024	334,432	4,851	-1,575	207,706	123,450
2025	334,432	4,851	-1,593	210,208	120,966
2026	334,432	4,851	-1,610	213,261	117,930
2027	334,432	4,851	-1,625	216,624	114,582
2028	334,432	4,851	-1,640	220,279	110,942
2029	334,432	4,851	-1,655	223,957	107,279
2030	334,432	4,851	-1,666	228,885	102,362
2031	334,432	4,851	-1,677	233,598	97,660
2032	334,432	4,851	-1,687	238,631	92,637
2033	334,432	4,851	-1,696	243,845	87,432
2034	334,432	4,851	-1,703	250,311	80,973

YEAR	INITIAL	REPLACE-	CUMULATIVE	AMORTI-	TERM	CUM
2035	334,432	4,851	Prtt.txt -1,708	256,808	74,481	
2036	334,432	4,851	-1,714	263,901	67,394	
2037	334,432	4,851	-1,715	271,490	59,806	
2038	334,432	4,851	-1,711	279,715	51,577	
2039	334,432	4,851	-1,707	288,565	42,723	
2040	334,432	4,851	-1,702	298,058	33,225	
2041	334,432	4,851	-1,700	308,270	23,011	
2042	334,432	4,851	-1,698	319,248	12,031	
2043	334,432	4,851	-1,696	331,047	230	
0 TOTALS	15,715,991	227,644	-65,180	10,405,274	5,148,253	

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REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,1997 - SEPTEMBER 30,1998 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE B FISCAL

0	1	2	3	4	5	6	7
8		9					
10							
0							
	IRRIGATION ASSISTANCE						
	FISCAL -----						
	-----						
YEAR	INITIAL	REPLACE-	CUMULATIVE	AMORTI-	TERM	CUM	



ACCUMULATED AMOUNT IN SERVICE SEPTEMBER 30 1996	PROJECT AMORTIZATION THRU 9-30	ADDITIONS THRU 9-30	=	AMOUNT IN SERVICE SEPTEMBER 30	-	DEPRECIATION THRU 9-30	=	UNAMORTIZED INVESTMENT SEPTEMBER 30	INVESTMENT SCHEDULE	AMOUNT S
3,923,056		1,008,208	=	4,931,264	-	1,951,722	=	2,979,542	4,451,478	
1997	136,530			5,067,794		120,689		2,995,383	4,482,119	
1998	132,617			5,200,411		123,247		3,004,753	4,418,852	
1999		104,977		5,305,388		126,469		2,983,261	4,349,127	
2000		108,816		5,414,204		129,962		2,962,115	4,324,189	
2001		112,449		5,526,653		126,250		2,948,314	4,322,222	
2002		115,989		5,642,642		126,425		2,937,878	4,413,153	
2003		119,304		5,761,946		129,009		2,928,173	4,502,566	
2004		122,443		5,884,389		130,720		2,919,896	4,606,967	
2005		125,562		6,009,951		132,320		2,913,138	4,724,205	
2006		128,601		6,138,552		134,992		2,906,747	4,835,975	
2007		131,489		6,270,041		141,875		2,896,361	4,832,751	
2008		134,098		6,404,139		137,307		2,893,152	4,953,806	
2009		136,415		6,540,554		137,929		2,891,638	5,078,318	

		Prtt.txt			
2010	138,354	6,678,908	140,792	2,889,200	5,175,713
2011	140,167	6,819,075	140,874	2,888,493	5,275,255
2012	142,007	6,961,082	141,486	2,889,014	5,358,559
2013	143,878	7,104,960	143,401	2,889,491	5,363,522
2014	145,774	7,250,734	142,192	2,893,073	5,315,524
2015	147,780	7,398,514	142,847	2,898,006	5,240,011
2016	149,853	7,548,367	139,934	2,907,925	5,148,012
2017	151,931	7,700,298	138,832	2,921,024	4,992,614
2018	154,056	7,854,354	138,676	2,936,404	4,912,588
2019	156,132	8,010,486	136,579	2,955,957	4,904,211
2020	158,154	8,168,640	135,554	2,978,557	4,970,481
2021	160,074	8,328,714	132,861	3,005,770	5,060,574
2022	161,853	8,490,567	130,327	3,037,296	5,123,025
2023	163,532	8,654,099	126,013	3,074,815	5,285,573
2024	165,102	8,819,201	123,450	3,116,467	5,450,675
2025	166,518	8,985,719	120,966	3,162,019	5,501,233
2026	167,873	9,153,592	117,930	3,211,962	5,660,022
2027	169,237	9,322,829	114,582	3,266,617	5,820,498

2028	170,570	9,493,399	110,942	3,326,245	5,982,376
2029	171,922	9,665,321	107,279	3,390,888	6,037,584
2030	173,353	9,838,674	102,362	3,461,879	6,106,716
2031	174,822	10,013,496	97,660	3,539,041	6,281,036
2032	176,311	10,189,807	92,637	3,622,715	6,108,977
2033	177,823	10,367,630	87,432	3,713,106	5,697,390
2034	179,366	10,546,996	80,973	3,811,499	5,741,034
2035	180,851	10,727,847	74,481	3,917,869	5,921,885
2036	182,231	10,910,078	67,394	4,032,706	6,104,116
2037	183,489	11,093,567	59,806	4,156,389	6,287,605
2038	184,631	11,278,198	51,577	4,289,443	6,472,236
2039	185,618	11,463,816	42,723	4,432,338	6,657,854
2040	186,502	11,650,318	33,225	4,585,615	6,844,356
2041	187,327	11,837,645	23,011	4,749,931	6,882,981
2042	188,092	12,025,737	12,031	4,925,992	6,946,743
2043	188,941	12,214,678	230	5,114,703	7,014,267
0 TOTALS	4,192,203	8,022,475		7,099,975	

LINES MAY NOT ADD ACROSS BECAUSE OF ROUND OFF ERRORS

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SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 1998

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

	2004	2005	1997	1998	1999	2000	2001	2002	20
03 2006									
BUREAU OF RECLAMATION									
BOISE									
			184	184	184	184	184		
			184	184	184	184	184		
			4,151	4,151	4,151	4,151	4,151	4,151	4,1
51 4,151	4,151	4,151							
			31	31	31	31	31	31	
31									
			6	6	6	6	6	6	
6	6	6							
6			16	16	16	16	16	16	
16	16	16							
16			11	11	11	11	11	11	
11	11	11							
11									

TOTAL BUREAU			4,399	4,399	4,399	4,399	4,399	4,215	4,2
15	4,184	4,184							
4,184									
CORPS OF ENGINEERS									
ALBENI FALLS									
BONNEVILLE									
BONNEVILLE - 2ND POW			245	245	245	245	245	245	2
45	245	245							
245									
CHIEF JOSEPH									
COUGAR									
COLUMBIA RIVER FISH									
DETROIT-BIG CLIFF									
DWORSHAK			58	58	58	58	58	58	
58	58	58							
58									
GREEN PETER-FOSTER									
HILLS CREEK									
ICE HARBOR			50	50	50	50	50	50	
50	50	50							
50									
JOHN DAY									
LIBBY									
LITTLE GOOSE									
LOOKOUT POINT-DEXTER									

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS			353	353	353	353	353	353	3
53	353	353							
353									

LOWER SNAKE F AND W

BONNEVILLE POWER ADM			73,199	73,199	71,252	68,868	67,607	64,780	63,3
06	61,660	60,577							
60,073									

TOTAL APPROPRIATIONS			77,951	77,951	76,004	73,620	72,359	69,348	67,8
74	66,197	65,114							
64,610									

BPA BORROWING

BPA PROGRAM			133,393	132,570	133,848	133,551	133,870	134,803	134,0
91	133,934	133,106							
131,946									

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV			2,316	3,076	3,435	3,435	3,435	3,435	3,4
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35	3,435	3,435							
3,435									
PREMIUMS			3,264	2,807	769		4,685	6,604	6,2
54	6,413	6,773							
5,819									
0LESS									
0 AFUDC									
0 INTEREST INCOME			9,992	10,070	10,024	10,032	10,029	10,013	10,0
29	10,034	10,052							
10,076									
0TOTAL BPA BORROWING			128,981	128,383	128,028	126,954	131,961	134,829	133,7
51	133,748	133,262							
131,124									
			-----	-----	-----	-----	-----	-----	-----
TOTALS			206,932	206,334	204,032	200,574	204,320	204,177	201,6
25	199,945	198,376							
195,734									
1									

SUMMARY OF INTEREST EXPENSE TRANSMISSION FY 1998 REPAYMENT STUDY FOR 199  
6 FINAL RATE FILING

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(ALL AMOUNTS IN \$1000)

13	2014	2015	2007	2008	2009	2010	2011	2012	2013
2016									

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

COLUMBIA BASIN- 3RD	4,151	4,151	4,151	4,151	4,151	4,151	4,1
51 4,151 4,151							
4,151							

HUNGRY HORSE

MINIDOKA	6	6					
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YAKIMA-CHANDLER	16	16	16	16	16	16	
16 16 16							
16							

YAKIMA-ROZA	11	11					
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TOTAL BUREAU	4,184	4,184	4,167	4,167	4,167	4,167	4,1
67 4,167 4,167							
4,167							

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW	245	245	245	245	245	245	2
45 245 245							
245							

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK	58	58	58	58	58	58	
58 58 58							



58	GREEN PETER-FOSTER								
	HILLS CREEK								
	ICE HARBOR		50	50	50	50	50	50	
16	16	16							
16	JOHN DAY								
	LIBBY								
	LITTLE GOOSE								
	LOOKOUT POINT-DEXTER								
	LOST CREEK								
	LOWER GRANITE								
	LOWER MONUMENTAL								
	MCNARY								
	STRUBE								
	THE DALLES								
	TOTAL CORPS		353	353	353	353	353	353	3
19	319	319							
319									
	LOWER SNAKE F AND W								
	BONNEVILLE POWER ADM		59,045	57,430	56,703	56,089	54,306	52,717	49,8
71	44,522	39,940							

32,846

TOTAL APPROPRIATIONS	63,582	61,967	61,223	60,609	58,826	57,237	54,3
57 49,008 44,426							
37,332							

BPA BORROWING

BPA PROGRAM	131,572	132,095	131,873	131,995	134,372	136,895	140,7
57 147,306 152,443							
160,407							

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV	3,435	3,435	3,435	3,435	2,564	1,522	7
17							

PREMIUMS	375	6,056	6,433	4,089	4,284	3,780	1,6
58 2,302 1,021							
2,940							
0LESS							
0 AFUDC							

0 INTEREST INCOME	10,084	10,077	10,082	10,082	10,055	10,029	9,9
73 9,866 9,771							
9,623							

0TOTAL BPA BORROWING	125,298	131,509	131,659	129,437	131,165	132,168	133,1
59 139,742 143,693							
153,724							

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TOTALS	188,880	193,476	192,882	190,046	189,991	189,405	187,5
16 188,750 188,119							
191,056							
1							

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			(ALL AMOUNTS IN \$1000)						
23	2024	2025	2017	2018	2019	2020	2021	2022	20
2026									
BUREAU OF RECLAMATION									
BOISE									
COLUMBIA BASIN									
51	3,620		4,151	4,151	4,151	4,151	4,151	4,151	4,1
	4,151	4,151							
COLUMBIA BASIN- 3RD									
HUNGRY HORSE									
MINIDOKA									
			16	16	16	16	16	16	
YAKIMA-CHANDLER									
YAKIMA-ROZA									
51	3,620		4,167	4,167	4,167	4,167	4,167	4,167	4,1
	4,151	4,151							
TOTAL BUREAU									
CORPS OF ENGINEERS									
ALBENI FALLS									
BONNEVILLE									

			Prtt.txt					
BONNEVILLE - 2ND POW	245		245	245	245	245	245	2
45            245            245								
245								
CHIEF JOSEPH								
COUGAR								
COLUMBIA RIVER FISH								
DETROIT-BIG CLIFF								
DWORSHAK	58		58	58	58	58	58	
58								
GREEN PETER-FOSTER								
HILLS CREEK								
ICE HARBOR	16		16	16	16	16	16	
16            16            16								
16								
JOHN DAY								
LIBBY								
LITTLE GOOSE								
LOOKOUT POINT-DEXTER								
LOST CREEK								
LOWER GRANITE								
LOWER MONUMENTAL								
MCNARY								
STRUBE								
THE DALLES								

TOTAL CORPS	319	319	319	319	319	319	3
19 261 261							
LOWER SNAKE F AND W							
BONNEVILLE POWER ADM	28,625	24,572	18,758	13,988	8,125	3,654	
TOTAL APPROPRIATIONS	33,111	29,058	23,244	18,474	12,611	8,140	4,4
70 4,412 4,412							
3,881							
BPA BORROWING							
BPA PROGRAM	165,647	170,908	178,174	184,596	192,353	198,944	204,9
69 207,606 210,453							
214,111							
BUREAU DIRECT FUND							
FISH, WILDLIFE & ENV							
PREMIUMS	2,950	1,824	2,355	1,630	2,306	2,618	4,4
83 4,438 4,041							
3,900							
0LESS							
0 AFUDC							
0 INTEREST INCOME	9,527	9,430	9,295	9,176	9,032	8,910	8,7
98 8,750 8,698							
8,631							
0TOTAL BPA BORROWING	159,070	163,302	171,234	177,050	185,627	192,652	200,6
54 203,294 205,796							
209,380							

TOTALS	192,181	192,360	194,478	195,524	198,238	200,792	205,1
24 207,706	210,208						
213,261							
1							

SUMMARY OF INTEREST EXPENSE TRANSMISSION FY 1998 REPAYMENT STUDY FOR 199  
6 FINAL RATE FILING

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(ALL AMOUNTS IN \$1000)

33	2034	2035	2027	2028	2029	2030	2031	2032	20
2036									

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

94	COLUMBIA BASIN- 3RD	3,047	2,478	1,914	794	794	794	7
	HUNGRY HORSE							

MINIDOKA

YAKIMA-CHANDLER

YAKIMA-ROZA

			Prtt.txt				
TOTAL BUREAU 94	3,047	2,478	1,914	794	794	794	7
CORPS OF ENGINEERS							
ALBENI FALLS							
BONNEVILLE							
BONNEVILLE - 2ND POW 50	245	245	245	245	245	212	
CHIEF JOSEPH							
COUGAR							
COLUMBIA RIVER FISH							
DETROIT-BIG CLIFF							
DWORSHAK							
GREEN PETER-FOSTER							
HILLS CREEK							
ICE HARBOR							
JOHN DAY							
LIBBY							
LITTLE GOOSE							
LOOKOUT POINT-DEXTER							
LOST CREEK							
LOWER GRANITE							

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS	245	245	245	245	245	212
50						

LOWER SNAKE F AND W

BONNEVILLE POWER ADM

TOTAL APPROPRIATIONS	3,292	2,723	2,159	1,039	1,039	1,006	8
44							

BPA BORROWING

BPA PROGRAM	218,123	222,429	227,066	232,618	237,437	242,706	248,5
48 255,549 262,210							
269,404							

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV

PREMIUMS	3,766	3,604	3,123	3,516	3,320	3,020	2,4
45 2,624 2,336							
2,100							
0LESS							
0 AFUDC							

0 INTEREST INCOME	8,557	8,477	8,391	8,288	8,198	8,101	7,9
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92	7,862	7,738							
7,603									
0	TOTAL BPA BORROWING		213,332	217,556	221,798	227,846	232,559	237,625	243,0
01	250,311	256,808							
263,901									
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45	TOTALS		216,624	220,279	223,957	228,885	233,598	238,631	243,8
263,901	250,311	256,808							
1									

SUMMARY OF INTEREST EXPENSE TRANSMISSION FY 1998 REPAYMENT STUDY FOR 199

6 FINAL RATE FILING

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(ALL AMOUNTS IN \$1000)

43	2037	2038	2039	2040	2041	2042	20
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- BUREAU OF RECLAMATION
- BOISE
- COLUMBIA BASIN
- COLUMBIA BASIN- 3RD
- HUNGRY HORSE
- MINIDOKA
- YAKIMA-CHANDLER

YAKIMA-ROZA

TOTAL BUREAU

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS

LOWER SNAKE F AND W

BONNEVILLE POWER ADM

TOTAL APPROPRIATIONS

BPA BORROWING

BPA PROGRAM	277,163	285,513	294,487	304,119	314,447	325,515	337,3
74 BUREAU DIRECT FUND							
FISH, WILDLIFE & ENV							
5 PREMIUMS	1,786	1,504	1,212	893	584	287	
0 LESS							
0 AFUDC							

			Prtt.txt				
0 INTEREST INCOME	7,459	7,302	7,134	6,954	6,761	6,554	6,3
32							
0 TOTAL BPA BORROWING	271,490	279,715	288,565	298,058	308,270	319,248	331,0
47							
--							
TOTALS	271,490	279,715	288,565	298,058	308,270	319,248	331,0
47							
1							

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 1998

REPAYMENT STUDY FOR 199

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TOTALS

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN	920
COLUMBIA BASIN- 3RD	134,614
HUNGRY HORSE	217
MINIDOKA	72
YAKIMA-CHANDLER	416
YAKIMA-ROZA	132

TOTAL BUREAU 136,371

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW 8,837

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH	
DETROIT-BIG CLIFF	
DWORSHAK	1,566
GREEN PETER-FOSTER	
HILLS CREEK	
ICE HARBOR	1,024
JOHN DAY	
LIBBY	
LITTLE GOOSE	
LOOKOUT POINT-DEXTER	
LOST CREEK	
LOWER GRANITE	
LOWER MONUMENTAL	
MCNARY	
STRUBE	
THE DALLES	
TOTAL CORPS	11,427
LOWER SNAKE F AND W	
TOTAL APPROPRIATIONS	147,798
BONNEVILLE POWER ADM	1,265,712
BPA BORROWING	
BPA PROGRAM	9,217,296
BUREAU DIRECT FUND	
FISH, WILDLIFE & ENV	51,415
PREMIUMS	142,996
0LESS	
0 AFUDC	
0 INTEREST INCOME	419,943
0TOTAL BPA BORROWING	8,991,764
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TOTALS	10,405,274

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APPLICATION OF AMORTIZATION  
96 FINAL RATE FILING

TRANSMISSION FY 1998

REPAYMENT STUDY FOR 19

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
1997	BPA PROGRAM	28,300	1992	1997	28,300	28,300	.07000
	BPA PROGRAM	50,000	1992	1997	50,000	50,000	.07000
	BPA PROGRAM	42,389	1992	2032	147,521	147,521	.08800
	TOTAL	120,689					
1998	BPA PROGRAM	50,000	1993	1998	50,000	50,000	.06050
	BONNEVILLE POWER ADMINISTRATION	23,927	1953	1998	23,927	23,927	.05450
	BONNEVILLE POWER ADMINISTRATION	11,791	1953	1998	11,791	11,791	.05450
R	BPA PROGRAM	37,529	1992	2032	147,521	105,132	.08800
	TOTAL	123,247					
1999	BPA PROGRAM		1989	1999	56,257	56,257	.08950

R	56,257					
	BPA PROGRAM	1989	1999	16,909	16,909	.08950
	16,909					
	BONNEVILLE POWER ADMINISTRATION	1954	1999	24,211	24,211	.05580
	24,211					
	BONNEVILLE POWER ADMINISTRATION	1954	1999	17,809	17,809	.05580
R	17,809					
	BPA PROGRAM	1992	2032	147,521	67,603	.08800
	10,596					
	BONNEVILLE POWER ADMINISTRATION	1955	2000	10,626	10,626	.05690
R	687					
	-----					
	TOTAL					
	126,469					
2000	BPA PROGRAM	1992	2000	107,800	107,800	.06600
	107,800					
	BONNEVILLE POWER ADMINISTRATION	1955	2000	12,222	12,222	.05690
	12,222					
	BONNEVILLE POWER ADMINISTRATION	1955	2000	10,626	9,939	.05690
R	9,939					
	BPA PROGRAM	1990	2030	1,149	1,149	.09250
	1					
	-----					
	TOTAL					
	129,962					
2001	COLUMBIA BASIN	1958	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1959	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1957	2001	50	50	.05810
R	50					
	BONNEVILLE POWER ADMINISTRATION	1956	2001	33,508	33,508	.05810
R	33,508					
	BONNEVILLE POWER ADMINISTRATION	1956	2001	15,154	15,154	.05810
	15,154					

		Prtt.txt				
R	COLUMBIA BASIN	1960	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1961	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1956	2001	50	50	.05810
	50					
	BPA PROGRAM	1995	2001	5,010	5,010	.08350
	5,010					
R	COLUMBIA BASIN	1962	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1963	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1955	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1964	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1965	2001	50	50	.05810
	50					

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1998 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
	COLUMBIA BASIN		1966	2001	50	50	.05810
R	50						
	COLUMBIA BASIN		1954	2001	50	50	.05810
R	50						
	COLUMBIA BASIN		1967	2001	50	50	.05810



		Prtt.txt				
R	50					
	COLUMBIA BASIN	1968	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1969	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1953	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1952	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1951	2001	1,494	1,494	.05810
	1,494					
	COLUMBIA BASIN	1970	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1971	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1972	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1985	2001	12	12	.05810
	12					
	COLUMBIA BASIN	1973	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1974	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1975	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1976	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1977	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1978	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1983	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1979	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1980	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1981	2001	50	50	.05810
R	50					

		Prtt.txt				
	COLUMBIA BASIN	1982	2001	50	50	.05810
R	50					
	BPA PROGRAM	1990	2030	1,149	1,148	.09250
	1,148					
	BPA PROGRAM	1990	2030	3,824	3,824	.09250
R	3,824					
	BPA PROGRAM	1990	2030	41,894	41,894	.09250
	41,894					
	BPA PROGRAM	1992	2032	147,521	57,007	.08800
	22,606					
-----						
	TOTAL					
	126,250					
2002	BONNEVILLE POWER ADMINISTRATION	1957	2002	8,313	8,313	.05880
	8,313					
	BONNEVILLE POWER ADMINISTRATION	1957	2002	16,745	16,745	.05880
R	16,745					
	BPA PROGRAM	1992	2032	147,521	34,401	.08800
	34,401					
	BPA PROGRAM	1993	2033	88,984	88,984	.08350
	66,966					
-----						
	TOTAL					
	126,425					

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1998 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
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(ALL AMOUNT IN \$1000)

		Prtt.txt					
+	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2003	HUNGRY HORSE		1981	2003	1	1	.05950
	R	1					
	BONNEVILLE POWER ADMINISTRATION	16,434	1958	2003	16,434	16,434	.05950
	BONNEVILLE POWER ADMINISTRATION	11,228	1958	2003	11,228	11,228	.05950
	R	1					
	HUNGRY HORSE		1982	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1959	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1956	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1960	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1980	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1957	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1961	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1955	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1962	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1979	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1963	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1964	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1954	2003	1	1	.05950
	R	1					
	HUNGRY HORSE		1965	2003	1	1	.05950
	R	1					

			Prtt.txt			
R	HUNGRY HORSE	1	1958	2003	1	1 .05950
R	HUNGRY HORSE	1	1978	2003	1	1 .05950
R	HUNGRY HORSE	1	1966	2003	1	1 .05950
R	HUNGRY HORSE	1	1967	2003	1	1 .05950
R	HUNGRY HORSE	1	1953	2003	516	516 .05950
	HUNGRY HORSE	516				
R	HUNGRY HORSE	1	1968	2003	1	1 .05950
R	HUNGRY HORSE	1	1969	2003	1	1 .05950
R	HUNGRY HORSE	1	1970	2003	1	1 .05950
R	HUNGRY HORSE	1	1971	2003	1	1 .05950
R	HUNGRY HORSE	1	1972	2003	1	1 .05950
R	HUNGRY HORSE	1	1973	2003	1	1 .05950
R	HUNGRY HORSE	1	1977	2003	1	1 .05950
R	HUNGRY HORSE	1	1974	2003	1	1 .05950
R	HUNGRY HORSE	1	1975	2003	1	1 .05950
R	HUNGRY HORSE	1	1983	2003	1	1 .05950
R	HUNGRY HORSE	1	1976	2003	1	1 .05950
R	BPA PROGRAM	1	1993	2033	88,984	22,018 .08350
	BPA PROGRAM	22,018				
	BPA PROGRAM	50,000	1994	2034	50,000	50,000 .08200
	BPA PROGRAM	28,783	1992	2032	150,000	150,000 .08130

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 TOTAL  
 129,009

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1998 REPAYMENT STUDY FOR 19  
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YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	-----	-----	-----	-----	-----	-----	-----
2004	BONNEVILLE POWER ADMINISTRATION	8,647	1959	2004	8,647	8,647	.06000
	BONNEVILLE POWER ADMINISTRATION	9,395	1959	2004	9,395	9,395	.06000
R	BPA PROGRAM	112,678	1992	2032	150,000	121,217	.08130
	TOTAL	130,720					
2005	BONNEVILLE POWER ADMINISTRATION	3,832	1960	2005	3,832	3,832	.06050
	BONNEVILLE POWER ADMINISTRATION	4,492	1960	2005	4,492	4,492	.06050
R	BPA PROGRAM	8,539	1992	2032	150,000	8,539	.08130
	BPA PROGRAM	115,457	1993	2033	130,000	130,000	.07800

		-----							
		TOTAL							
		132,320							
2006		BONNEVILLE POWER ADMINISTRATION	1961	2006	4,778	4,778	.06110		
		4,778							
		BONNEVILLE POWER ADMINISTRATION	1961	2006	12,053	12,053	.06110		
R		12,053							
		BPA PROGRAM	1993	2033	130,000	14,543	.07800		
		14,543							
		BPA PROGRAM	1995	2025	41,491	41,491	.07700		
		41,491							
		BPA PROGRAM	1995	2025	65,000	65,000	.07700		
		62,127							
		-----							
		TOTAL							
		134,992							
2007		BPA PROGRAM	1992	2007	107,700	107,700	.07250		
		107,700							
		BONNEVILLE POWER ADMINISTRATION	1962	2007	21,088	21,088	.06130		
		21,088							
		BONNEVILLE POWER ADMINISTRATION	1962	2007	5,248	5,248	.06130		
R		5,248							
		BPA PROGRAM	1995	2025	65,000	2,873	.07700		
		2,873							
		BPA PROGRAM	1993	2033	100,000	100,000	.07500		
		4,966							
		-----							
		TOTAL							
		141,875							
2008		MINIDOKA	1981	2008	22	22	.06150		
R		22							
		YAKIMA-ROZA	1958	2008	175	175	.06150		
		175							

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R	MINIDOKA	22	1980	2008	22	22	.06150
R	MINIDOKA	21	1979	2008	21	21	.06150
R	MINIDOKA	21	1982	2008	21	21	.06150
	BONNEVILLE POWER ADMINISTRATION	5,283	1963	2008	5,283	5,283	.06150
	BONNEVILLE POWER ADMINISTRATION	4,692	1963	2008	4,692	4,692	.06150
R	BONNEVILLE POWER ADMINISTRATION	978	1963	2008	978	978	.06150
	BONNEVILLE POWER ADMINISTRATION	869	1963	2008	869	869	.06150
R	MINIDOKA	22	1978	2008	22	22	.06150
R	MINIDOKA	22	1983	2008	22	22	.06150
R	BPA PROGRAM	95,034	1993	2033	100,000	95,034	.07500
	BPA PROGRAM	30,146	1996	2041	148,702	148,702	.07240
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	TOTAL	137,307					

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1998 REPAYMENT STUDY FOR 19  
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YEAR ----- INVESTMENT  
 PAID-----

(ALL AMOUNT IN \$1000)

PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
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2009	BONNEVILLE POWER ADMINISTRATION	1964	2009	4,996	4,996	.05160		
	4,996							
R	BONNEVILLE POWER ADMINISTRATION	1964	2009	6,907	6,907	.05160		
	6,907							
	BPA PROGRAM	1996	2041	148,702	118,556	.07240		
	118,556							
	BPA PROGRAM	1994	2034	50,000	50,000	.07050		
	7,470							
	-----							
	TOTAL							
	137,929							
2010	FISH, WILDLIFE & ENVIRONMENTAL	1995	2010	12,100	12,100	.07200		
	12,100							
	BONNEVILLE POWER ADMINISTRATION	1965	2010	4,064	4,064	.06180		
	4,064							
R	BONNEVILLE POWER ADMINISTRATION	1965	2010	7,948	7,948	.06180		
	7,948							
	BONNEVILLE POWER ADMINISTRATION	1965	2010	5,701	5,701	.06180		
	5,701							
R	BONNEVILLE POWER ADMINISTRATION	1965	2010	11,146	11,146	.06180		
	11,146							
	BPA PROGRAM	1994	2034	50,000	42,530	.07050		
	42,530							
	BPA PROGRAM	1993	2033	110,000	110,000	.06950		
	57,303							
	-----							
	TOTAL							
	140,792							
2011	FISH, WILDLIFE & ENVIRONMENTAL	1996	2011	15,000	15,000	.06950		
	15,000							
	BONNEVILLE POWER ADMINISTRATION	1966	2011	13,047	13,047	.06200		



		13,047						
R	BONNEVILLE POWER ADMINISTRATION	3,363	1966	2011	3,363	3,363	.06200	
		7,326						
R	BONNEVILLE POWER ADMINISTRATION	1,889	1966	2011	1,889	1,889	.06200	
		52,697						
	BPA PROGRAM	47,552	1993	2033	110,000	52,697	.06950	
	BPA PROGRAM		1997	2042	124,330	124,330	.06930	
	TOTAL	140,874						
2012	ICE HARBOR		1976	2012	1	1	.06220	
R		1						
	ICE HARBOR		1975	2012	1	1	.06220	
R		1						
	ICE HARBOR		1980	2012	1	1	.06220	
R		1						
	ICE HARBOR		1982	2012	1	1	.06220	
R		1						
	ICE HARBOR		1979	2012	1	1	.06220	
R		1						
	ICE HARBOR		1962	2012	548	548	.06220	
		548						
	FISH, WILDLIFE & ENVIRONMENTAL	12,200	1997	2012	12,200	12,200	.06600	
R	ICE HARBOR		1963	2012	1	1	.06220	
		1						
R	ICE HARBOR		1972	2012	1	1	.06220	
		1						
R	ICE HARBOR		1977	2012	1	1	.06220	
		1						
R	ICE HARBOR		1983	2012	1	1	.06220	
		1						
R	ICE HARBOR		1981	2012	1	1	.06220	

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R		1					
	ICE HARBOR		1964	2012	1	1	.06220
R		1					
	ICE HARBOR		1974	2012	1	1	.06220
R		1					

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(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
	ICE HARBOR		1978	2012	1	1	.06220
R		1					
	ICE HARBOR		1965	2012	1	1	.06220
R		1					
	ICE HARBOR		1971	2012	1	1	.06220
R		1					
	ICE HARBOR		1966	2012	1	1	.06220
R		1					
	ICE HARBOR		1973	2012	1	1	.06220
R		1					
	ICE HARBOR		1967	2012	1	1	.06220
R		1					
	BONNEVILLE POWER ADMINISTRATION		1967	2012	21,053	21,053	.06220
	21,053						
	BONNEVILLE POWER ADMINISTRATION		1967	2012	5,059	5,059	.06220
R		5,059					
	BONNEVILLE POWER ADMINISTRATION		1967	2012	15,843	15,843	.06220
	15,843						

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R	BONNEVILLE POWER ADMINISTRATION	1967	2012	3,807	3,807	.06220		
	3,807							
R	ICE HARBOR	1970	2012	1	1	.06220		
	1							
R	ICE HARBOR	1968	2012	1	1	.06220		
	1							
R	ICE HARBOR	1969	2012	1	1	.06220		
	1							
	BPA PROGRAM	1997	2042	124,330	76,778	.06930		
	76,778							
	BPA PROGRAM	1994	2034	35,722	35,722	.06850		
	6,177							
	-----							
	TOTAL							
	141,486							
2013	FISH, WILDLIFE & ENVIRONMENTAL	1998	2013	11,200	11,200	.06400		
	11,200							
	BONNEVILLE POWER ADMINISTRATION	1968	2013	45,776	45,776	.06240		
	45,776							
R	BONNEVILLE POWER ADMINISTRATION	1968	2013	9,001	9,001	.06240		
	9,001							
	BONNEVILLE POWER ADMINISTRATION	1968	2013	25,861	25,861	.06240		
	25,861							
	BONNEVILLE POWER ADMINISTRATION	1968	2013	5,085	5,085	.06240		
R	5,085							
	BPA PROGRAM	1994	2034	35,722	29,545	.06850		
	29,545							
	BPA PROGRAM	1994	2033	108,400	108,400	.06850		
	16,933							
	-----							
	TOTAL							
	143,401							
2014	BONNEVILLE POWER ADMINISTRATION	1969	2014	430	430	.06260		
	430							
	BONNEVILLE POWER ADMINISTRATION	1969	2014	25,239	25,239	.06260		

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R	25,239						
	BONNEVILLE POWER ADMINISTRATION	1969	2014	47,301	47,301	.06260	
	47,301						
	BONNEVILLE POWER ADMINISTRATION	1969	2014	229	229	.06260	
R	229						
	BPA PROGRAM	1994	2033	108,400	91,467	.06850	
	68,993						
	-----						
	TOTAL						
	142,192						

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(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	-----	-----	-----	-----	-----	-----	-----
2015	BONNEVILLE POWER ADMINISTRATION	1970	2015	3,380	3,380	.06280	
R	3,380						
	BONNEVILLE POWER ADMINISTRATION	1970	2015	27,471	27,471	.06280	
	27,471						
	BONNEVILLE POWER ADMINISTRATION	1970	2015	8,997	8,997	.06280	
R	8,997						
	BONNEVILLE POWER ADMINISTRATION	1970	2015	73,118	73,118	.06280	
	73,118						
	BPA PROGRAM	1994	2033	108,400	22,474	.06850	
	22,474						
	BPA PROGRAM	1998	2043	121,417	121,417	.06720	

7,407

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TOTAL

142,847

2016		BONNEVILLE POWER ADMINISTRATION	1971	2016	19,910	19,910	.06300
R		19,910					
		BONNEVILLE POWER ADMINISTRATION	1971	2016	13,476	13,476	.06300
		13,476					
		BONNEVILLE POWER ADMINISTRATION	1971	2016	20,054	20,054	.06300
R		20,054					
		BONNEVILLE POWER ADMINISTRATION	1971	2016	13,574	13,574	.06300
		13,574					
		BPA PROGRAM	1998	2043	121,417	114,010	.06720
		72,920					

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TOTAL

139,934

2017		BONNEVILLE POWER ADMINISTRATION	1972	2017	3,206	3,206	.06320
R		3,206					
		BONNEVILLE POWER ADMINISTRATION	1972	2017	4,442	4,442	.06320
		4,442					
		BONNEVILLE POWER ADMINISTRATION	1972	2017	23,677	23,677	.06320
R		23,677					
		BONNEVILLE POWER ADMINISTRATION	1972	2017	32,799	32,799	.06320
		32,799					
		BPA PROGRAM	1998	2043	121,417	41,090	.06720
		41,090					
		BPA PROGRAM	1999	2044	104,977	104,977	.06720
R		33,618					

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TOTAL

138,832

2018		BONNEVILLE POWER ADMINISTRATION	1973	2018	24,141	24,141	.06340
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R	24,141						
	BONNEVILLE POWER ADMINISTRATION	1973	2018	11,673	11,673	.06340	
R	11,673						
	BONNEVILLE POWER ADMINISTRATION	1973	2018	18,212	18,212	.06340	
	18,212						
	BONNEVILLE POWER ADMINISTRATION	1973	2018	37,664	37,664	.06340	
	37,664						
	BPA PROGRAM	1999	2044	104,977	71,359	.06720	
R	46,986						

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TOTAL  
138,676

2019	BONNEVILLE POWER ADMINISTRATION	1974	2019	24,283	24,283	.06360	
R	24,283						
	BONNEVILLE POWER ADMINISTRATION	1974	2019	13,977	13,977	.06360	
	13,977						
	BONNEVILLE POWER ADMINISTRATION	1974	2019	23,314	23,314	.06360	
R	23,314						
	BONNEVILLE POWER ADMINISTRATION	1974	2019	13,421	13,421	.06360	
	13,421						
	BPA PROGRAM	1999	2044	104,977	24,373	.06720	
R	24,373						
	BPA PROGRAM	2000	2045	108,816	108,816	.06720	
R	37,211						

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TOTAL  
136,579

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(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
2020	BONNEVILLE POWER ADMINISTRATION	35,527	1975	2020	35,527	35,527	.06380
		13,020	1975	2020	13,020	13,020	.06380
R	BONNEVILLE POWER ADMINISTRATION	19,025	1975	2020	19,025	19,025	.06380
		24,312	1975	2020	24,312	24,312	.06380
R	BONNEVILLE POWER ADMINISTRATION	43,670	2000	2045	108,816	71,605	.06720
R	BPA PROGRAM						
	TOTAL	135,554					
2021	BONNEVILLE POWER ADMINISTRATION	67,534	1976	2021	67,534	67,534	.06390
		2,447	1976	2021	2,447	2,447	.06390
R	BONNEVILLE POWER ADMINISTRATION	27,935	2000	2045	108,816	27,935	.06720
R	BPA PROGRAM	34,945	2001	2046	112,449	112,449	.06720
R	BPA PROGRAM						
	TOTAL	132,861					
2022	YAKIMA-CHANDLER	1	1966	2022	1	1	.06410
R	BONNEVILLE POWER ADMINISTRATION		1977	2022	5,934	5,934	.06410

R	5,934						
	YAKIMA-CHANDLER	1969	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1973	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1976	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1965	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1977	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1971	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1974	2022	1	1	.06410	
R	1						
	BONNEVILLE POWER ADMINISTRATION	1977	2022	4,354	4,354	.06410	
	4,354						
	YAKIMA-CHANDLER	1967	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1964	2022	1	1	.06410	
R	1						
	BONNEVILLE POWER ADMINISTRATION	1977	2022	9,613	9,613	.06410	
R	9,613						
	YAKIMA-CHANDLER	1975	2022	1	1	.06410	
R	1						
	BONNEVILLE POWER ADMINISTRATION	1977	2022	37,113	37,113	.06410	
	37,113						
	YAKIMA-CHANDLER	1956	2022	242	242	.06410	
	242						
	YAKIMA-CHANDLER	1959	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1960	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1970	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1963	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1961	2022	1	1	.06410	
R	1						



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R	YAKIMA-CHANDLER	1968	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1972	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1962	2022	1	1	.06410
	1					
R	BPA PROGRAM	2001	2046	112,449	77,504	.06720
	73,052					

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TOTAL  
130,327

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PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	-----	-----	-----	-----	-----	-----	-----
2023	DWORSHAK	4	1982	2023	4	4	.06430
R							
	DWORSHAK	4	1974	2023	4	4	.06430
R							
	DWORSHAK	4	1983	2023	4	4	.06430
R							
	DWORSHAK	4	1976	2023	4	4	.06430
R							
	DWORSHAK	4	1979	2023	4	4	.06430
R							

			Prtt.txt				
R	DWORSHAK	4	1977	2023	4	4	.06430
R	DWORSHAK	4	1978	2023	4	4	.06430
R	DWORSHAK	4	1981	2023	4	4	.06430
R	DWORSHAK	4	1975	2023	4	4	.06430
R	DWORSHAK	4	1973	2023	896	896	.06430
		896					
R	DWORSHAK	4	1980	2023	4	4	.06430
R	BPA PROGRAM	4,452	2001	2046	112,449	4,452	.06720
R	BPA PROGRAM	115,989	2002	2047	115,989	115,989	.06720
R	BPA PROGRAM	4,636	2003	2048	119,304	119,304	.06720
	-----						
	TOTAL	126,013					
2024	BPA PROGRAM		2003	2048	119,304	114,668	.06720
R		114,668					
R	BPA PROGRAM	8,782	2004	2049	122,443	122,443	.06720
	-----						
	TOTAL	123,450					
2025	COLUMBIA BASIN- 3RD POWER HOUSE	8,202	1975	2025	8,202	8,202	.06470
R	BPA PROGRAM	112,764	2004	2049	122,443	113,661	.06720
	-----						
	TOTAL						

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120,966

2026	COLUMBIA BASIN- 3RD POWER HOUSE	1976	2026	8,834	8,834	.06490
	8,834					
	ICE HARBOR	1976	2026	250	250	.06490
	250					
	BPA PROGRAM	2004	2049	122,443	897	.06720
R	897					
	BPA PROGRAM	2005	2050	125,562	125,562	.06720
R	107,949					

-----  
TOTAL  
117,930

2027	COLUMBIA BASIN- 3RD POWER HOUSE	1977	2027	8,761	8,761	.06490
	8,761					
	BPA PROGRAM	2005	2050	125,562	17,613	.06720
R	17,613					
	BPA PROGRAM	2006	2051	128,601	128,601	.06720
R	88,208					

-----  
TOTAL  
114,582

1

APPLICATION OF AMORTIZATION TRANSMISSION FY 1998 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

PROJECT		IN-SERVICE	DUE	GROSS	NET	RATE
REPLACEMENT	AMOUNT					

2028	COLUMBIA BASIN- 3RD POWER HOUSE	1978	2028	8,692	8,692	.06490	
	8,692						
	BPA PROGRAM	2006	2051	128,601	40,393	.06720	
R	40,393						
	BPA PROGRAM	2007	2052	131,489	131,489	.06720	
R	61,857						
-----							
	TOTAL						
	110,942						
2029	COLUMBIA BASIN- 3RD POWER HOUSE	1979	2029	17,254	17,254	.06490	
	17,254						
	BPA PROGRAM	2007	2052	131,489	69,632	.06720	
R	69,632						
	BPA PROGRAM	2008	2053	134,098	134,098	.06720	
R	20,393						
-----							
	TOTAL						
	107,279						
2030	BPA PROGRAM	2008	2053	134,098	113,705	.06720	
R	102,362						
-----							
	TOTAL						
	102,362						
2031	BONNEVILLE - 2ND POWER HOUSE	1981	2031	502	502	.06490	
	502						
	BPA PROGRAM	2008	2053	134,098	11,343	.06720	
R	11,343						
	BPA PROGRAM	2009	2054	136,415	136,415	.06720	
R	85,815						

		-----					
		TOTAL					
		97,660					
2032	BONNEVILLE - 2ND POWER HOUSE	1982	2032	2,495	2,495	.06490	
	2,495						
	BPA PROGRAM	2009	2054	136,415	50,600	.06720	
R	50,600						
	BPA PROGRAM	2010	2055	138,354	138,354	.06720	
R	39,542						
		-----					
		TOTAL					
		92,637					
2033	COLUMBIA BASIN- 3RD POWER HOUSE	1984	2033	3,486	3,486	.06490	
	3,486						
	COLUMBIA BASIN- 3RD POWER HOUSE	1985	2033	2,273	2,273	.06490	
	2,273						
	COLUMBIA BASIN- 3RD POWER HOUSE	1986	2033	2,041	2,041	.06490	
	2,041						
	COLUMBIA BASIN- 3RD POWER HOUSE	1987	2033	1,908	1,908	.06490	
	1,908						
	COLUMBIA BASIN- 3RD POWER HOUSE	1988	2033	2,531	2,531	.06490	
	2,531						
	BONNEVILLE - 2ND POWER HOUSE	1983	2033	765	765	.06490	
	765						
	BPA PROGRAM	2010	2055	138,354	98,812	.06720	
R	74,428						
		-----					
		TOTAL					
		87,432					

YEAR PAID		INVESTMENT					
		(ALL AMOUNT IN \$1000)					
+	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2034	R BPA PROGRAM	24,384	2010	2055	138,354	24,384	.06720
	R BPA PROGRAM	56,589	2011	2056	140,167	140,167	.06720
	TOTAL	80,973					
2035	R BPA PROGRAM	74,481	2011	2056	140,167	83,578	.06720
	TOTAL	74,481					
2036	R BPA PROGRAM	9,097	2011	2056	140,167	9,097	.06720
	R BPA PROGRAM	58,297	2012	2057	142,007	142,007	.06720
	TOTAL	67,394					
2037	R BPA PROGRAM	59,806	2012	2057	142,007	83,710	.06720

		-----					
		TOTAL					
		59,806					
2038		BPA PROGRAM	2012	2057	142,007	23,904	.06720
	R	23,904					
		BPA PROGRAM	2013	2058	143,878	143,878	.06720
	R	27,673					
		-----					
		TOTAL					
		51,577					
2039		BPA PROGRAM	2013	2058	143,878	116,205	.06720
	R	42,723					
		-----					
		TOTAL					
		42,723					
2040		BPA PROGRAM	2013	2058	143,878	73,482	.06720
	R	33,225					
		-----					
		TOTAL					
		33,225					
2041		BPA PROGRAM	2013	2058	143,878	40,257	.06720
	R	23,011					
		-----					
		TOTAL					
		23,011					
2042		BPA PROGRAM	2013	2058	143,878	17,246	.06720
	R	12,031					
		-----					
		TOTAL					

12,031

2043	BPA PROGRAM	2013	2058	143,878	5,215	.06720
	R					
					230	

-----  
TOTAL  
230

1

APPLICATION OF AMORTIZATION TRANSMISSION FY 1998 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
0	GRAND TOTAL	5,148,253					
0	TOTAL DEFERRAL	0					
0	NET	5,148,253					

1  
1 INPUT CARDS ONLY  
N1 REPAYMENT STUDY FOR 1996 FINAL RATE FILING  
N2 OCTOBER 1,1998 - SEPTEMBER 30,1999 COST EVALUATION PERIOD  
N3 REPAY 99 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT  
N0 TRANSMISSION





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31997	0	0	0	0	0
31999	0	0	0	0	0
32002	0	0	0	0	0
32005	0	0	0	0	0
32008	0	0	0	0	0
32011	0	0	0	0	0
32014	0	0	0	0	0
32017	0	0	0	0	0
32020	0	0	0	0	0
32023	0	0	0	0	0
32026	0	0	0	0	0
32029	0	0	0	0	0
32032	0	0	0	0	0
32035	0	0	0	0	0
32038	0	0	0	0	0
32041	0	0	0	0	0
32044	0	0	0	0	0
32047	0	0	0	0	0
	0	0	0	0	0 = TOT

AL FOR 3

CAPITALIZED CONTRACTUAL OBLIGATIONS

41997	0	0	0	-975	-1009	-1041	-1073	-4098
42004	-1104	-1134	-1164	-1193	-1221	-1249	-1277	-8342
42011	-1303	-1329	-1355	-1380	-1404	-1428	-1451	-9650
42018	-1474	-1496	-1517	-1538	-1557	-1576	-1594	-10752
42025	-1613	-1629	-1644	-1659	-1674	-1685	-1696	-11600
42032	-1706	-1715	-1721	-1727	-1732	-1732	-1728	-12061
42039	-1724	-1718	-1716	-1714	-1712	-1714		-10298
	-8924	-9021	-9117	-10186	-10309	-10425	-8819	-66801 = TOT

AL FOR 4

- 5 ALBE ALBENI FALLS
- 5 BOIS BOISE
- 5 BON2 BONNEVILLE - 2ND POWER HOUSE
- 5 BONN BONNEVILLE

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5	CHIE	CHIEF JOSEPH
5	COL3	COLUMBIA BASIN- 3RD POWER HOUSE
5	COLU	COLUMBIA BASIN
5	COUG	COUGAR
5	CRFB	COLUMBIA RIVER FISH MITIGATION
5	DETR	DETROIT-BIG CLIFF
5	DWOR	DWORSHAK
5	GREE	GREEN PETER-FOSTER
5	HILL	HILLS CREEK
5	HUNG	HUNGRY HORSE
5	ICEH	ICE HARBOR
5	JOHN	JOHN DAY
5	LIBB	LIBBY
5	LITT	LITTLE GOOSE
5	LOOK	LOOKOUT POINT-DEXTER
5	LOST	LOST CREEK
5	LOWG	LOWER GRANITE
5	LOWM	LOWER MONUMENTAL
5	LSFW	LOWER SNAKE F AND W
5	MCNA	MCNARY
5	MINI	MINIDOKA
5	STRU	STRUBE
5	THED	THE DALLES
5	YAKC	YAKIMA-CHANDLER
5	YAKR	YAKIMA-ROZA
5	ZABF	BPA PROGRAM
5	ZADB	BUREAU DIRECT FUND
5	ZAFW	FISH, WILDLIFE & ENVIRONMENTAL
5	ZBPA	BONNEVILLE POWER ADMINISTRATION

HISTORICAL

	O & M	INTEREST	
5	ALBEX	0	0
5	BOISX	0	0
5	BONNX	0	0
5	CHIEX	0	0
5	COLUX	0	0
5	COUGX	0	0
5	DETRX	0	0

5	DWORX	0	0	0
5	GREEX	0	0	0
5	HILLX	0	0	0
5	HUNGX	0	0	0
5	ICEHX	0	0	0
5	JOHNX	0	0	0
5	LIBBX	0	0	0
5	LITTX	0	0	0
5	LOOKX	0	0	0
5	LOSTX	0	0	0
5	LOWGX	0	0	0
5	LOWMX	0	0	0
5	MCNAX	0	0	0
5	MINIX	0	0	0
5	THEDX	0	0	0
5	YAKCX	0	0	0
5	YAKRX	0	0	0
5	ZBPAX	0	0	0
5	ZACOX	0	0	0
		0	0	0 = TOT

AL FOR 5

PROJECTED O & M

61996ALBE	0
61996BONN	81
61997BONN	81
61998BONN	85
61999BONN	85
61996CHIE	0
61996COUG	0
61996DETR	0
61996DWOR	32
61997DWOR	32
61998DWOR	35
61999DWOR	36
61996GREE	0
61996HILL	0
61996ICEH	43

61997ICEH	43
61998ICEH	47
61999ICEH	48
61996JOHN	0
61996LIBB	0
61996LITT	0
61996LOOK	0
61996LOST	0
61996LOWG	0
61996LOWM	0
61996MCNA	0
61996THED	0
61996BOIS	174
61997BOIS	173
61998BOIS	188
61999BOIS	154
61996COLU	3915
61997COLU	3847
61998COLU	4184
61999COLU	4344
61996HUNG	20
61997HUNG	19
61998HUNG	20
61999HUNG	20
61996MINI	271
61997MINI	107
61998MINI	74
61999MINI	77
61996YAKC	98
61997YAKC	98
61998YAKC	109
61999YAKC	114
61996YAKR	97
61997YAKR	98
61998YAKR	109
61999YAKR	113
61996LSFW	0
19071	

AL FOR 6

19071 = TOT

61994ZABF 0  
 0

0 = TOT

AL FOR 6

HISTORICAL FEDERAL INVESTMENTS

			ORIGINAL	CURRENT	INTEREST	DUE	INSERVICE	CALENDAR
	PROJECT		PRINCIPAL	PRINCIPAL	RATE	DATE	DATE	MONTH
6	1996	BOIS X	285	0	.03000	1962	1912	
6	1996	BOIS X	190	0	.03000	1976	1926	
6	1996	BOIS X	95	0	.03000	2000	1950	
6	1996	BOIS X	428	0	.03000	2001	1951	
6	1996	BOIS X	3	0	.03000	2001 R	1952	
6	1996	BOIS X	3	0	.03000	2001 R	1953	
6	1996	BOIS X	3	0	.03000	2001 R	1954	
6	1996	BOIS X	3	0	.03000	2001 R	1955	
6	1996	BOIS X	3	0	.03000	2001 R	1956	
6	1996	BOIS X	3	0	.03000	2001 R	1957	
6	1996	BOIS X	3	0	.03000	2001 R	1958	
6	1996	BOIS X	3	0	.03000	2001 R	1959	
6	1996	BOIS X	3	0	.03000	2001 R	1960	
6	1996	BOIS X	3	0	.03000	2001 R	1961	
6	1996	BOIS X	3	0	.03000	2001 R	1962	
6	1996	BOIS X	3	0	.03000	2001 R	1963	
6	1996	BOIS X	3	0	.03000	2001 R	1964	
6	1996	BOIS X	3	0	.03000	2001 R	1965	
6	1996	BOIS X	3	0	.03000	2001 R	1966	
6	1996	BOIS X	3	0	.03000	2001 R	1967	
6	1996	BOIS X	3	0	.03000	2001 R	1968	
6	1996	BOIS X	3	0	.03000	2001 R	1969	
6	1996	BOIS X	3	0	.03000	2001 R	1970	
6	1996	BOIS X	3	0	.03000	2001 R	1971	
6	1996	BOIS X	3	0	.03000	2001 R	1972	
6	1996	BOIS X	3	0	.03000	2001 R	1973	

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6	1996	BOIS	X	3	0	.03000	2001	R	1974
6	1996	BOIS	X	3	0	.03000	2001	R	1975
6	1996	BOIS	X	3	0	.03000	2001	R	1976
6	1996	BOIS	X	3	0	.03000	2001	R	1977
6	1996	BOIS	X	3	0	.03000	2001	R	1978
6	1996	BOIS	X	3	0	.03000	2001	R	1979
6	1996	BOIS	X	4	0	.03000	2001	R	1980
6	1996	BOIS	X	2	0	.03000	2001	R	1981
6	1996	BOIS	X	1	0	.03000	2001	R	1982
6	1996	BOIS	X	2	0	.03000	2001	R	1983
6	1996	BOIS	X	303	0	.10750	2001	R	1984
6	1996	BON2	X	502	502	.06490	2031	A	1981
6	1996	BON2	X	2495	2495	.06490	2032	A	1982
6	1996	BON2	X	765	765	.06490	2033	A	1983
6	1996	BONN	X	130	0	.02500	1988		1938
6	1996	BONN	X	196	0	.02500	1991		1941
6	1996	BONN	X	65	0	.02500	1992		1942
6	1996	BONN	X	196	0	.02500	1993		1943
6	1996	BONN	X	65	0	.02500	1994		1944
6	1996	BONN	X	1	0	.02500	1994	R	1945
6	1996	BONN	X	1	0	.02500	1994	R	1946
6	1996	BONN	X	1	0	.02500	1994	R	1947
6	1996	BONN	X	1	0	.02500	1994	R	1948
6	1996	BONN	X	1	0	.02500	1994	R	1949
6	1996	BONN	X	1	0	.02500	1994	R	1950
6	1996	BONN	X	1	0	.02500	1994	R	1951
6	1996	BONN	X	1	0	.02500	1994	R	1952
6	1996	BONN	X	1	0	.02500	1994	R	1953
6	1996	BONN	X	1	0	.02500	1994	R	1954
6	1996	BONN	X	1	0	.02500	1994	R	1955
6	1996	BONN	X	1	0	.02500	1994	R	1956
6	1996	BONN	X	1	0	.02500	1994	R	1957
6	1996	BONN	X	1	0	.02500	1994	R	1958
6	1996	BONN	X	1	0	.02500	1994	R	1959
6	1996	BONN	X	1	0	.02500	1994	R	1960
6	1996	BONN	X	1	0	.02500	1994	R	1961
6	1996	BONN	X	1	0	.02500	1994	R	1962
6	1996	BONN	X	1	0	.02500	1994	R	1963
6	1996	BONN	X	1	0	.02500	1994	R	1964

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6	1996	BONN	X	1	0	.02500	1994	R	1965
6	1996	BONN	X	1	0	.02500	1994	R	1966
6	1996	BONN	X	1	0	.02500	1994	R	1967
6	1996	BONN	X	1	0	.02500	1994	R	1968
6	1996	BONN	X	1	0	.02500	1994	R	1969
6	1996	BONN	X	1	0	.02500	1994	R	1970
6	1996	BONN	X	1	0	.02500	1994	R	1971
6	1996	BONN	X	1	0	.02500	1994	R	1972
6	1996	BONN	X	1	0	.02500	1994	R	1973
6	1996	BONN	X	1	0	.02500	1994	R	1974
6	1996	BONN	X	1	0	.02500	1994	R	1975
6	1996	BONN	X	1	0	.02500	1994	R	1976
6	1996	BONN	X	1	0	.02500	1994	R	1977
6	1996	BONN	X	1	0	.02500	1994	R	1978
6	1996	BONN	X	1	0	.02500	1994	R	1979
6	1996	BONN	X	1	0	.02500	1994	R	1980
6	1996	BONN	X	1	0	.02500	1994	R	1981
6	1996	BONN	X	1	0	.02500	1994	R	1982
6	1996	BONN	X	1	0	.02500	1994	R	1983
6	1996	BONN	X	10	0	.10750	1994	R	1984
6	1996	COL3	X	9469	8202	.06470	2025	A	1975
6	1996	COL3	X	8834	8834	.06490	2026	A	1976
6	1996	COL3	X	8761	8761	.06490	2027	A	1977
6	1996	COL3	X	8692	8692	.06490	2028	A	1978
6	1996	COL3	X	17254	17254	.06490	2029	A	1979
6	1996	COL3	X	3486	3486	.06490	2033	A	1984
6	1996	COL3	X	2273	2273	.06490	2033	A	1985
6	1996	COL3	X	2041	2041	.06490	2033	A	1986
6	1996	COL3	X	1908	1908	.06490	2033	A	1987
6	1996	COL3	X	2531	2531	.06490	2033	A	1988
6	1996	COLU	X	1505	0	.03000	1991		1941
6	1996	COLU	X	3011	0	.03000	1992		1942
6	1996	COLU	X	1505	0	.03000	1993		1943
6	1996	COLU	X	3011	0	.03000	1994		1944
6	1996	COLU	X	4516	0	.03000	1998		1948
6	1996	COLU	X	4516	0	.03000	1999		1949
6	1996	COLU	X	3011	0	.03000	2000		1950
6	1996	COLU	X	5847	1494	.05810	2001		1951
6	1996	COLU	X	50	50	.05810	2001	R	1952



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6	1996	COLU X	50	50	.05810	2001 R	1953
6	1996	COLU X	50	50	.05810	2001 R	1954
6	1996	COLU X	50	50	.05810	2001 R	1955
6	1996	COLU X	50	50	.05810	2001 R	1956
6	1996	COLU X	50	50	.05810	2001 R	1957
6	1996	COLU X	50	50	.05810	2001 R	1958
6	1996	COLU X	50	50	.05810	2001 R	1959
6	1996	COLU X	50	50	.05810	2001 R	1960
6	1996	COLU X	50	50	.05810	2001 R	1961
6	1996	COLU X	50	50	.05810	2001 R	1962
6	1996	COLU X	50	50	.05810	2001 R	1963
6	1996	COLU X	50	50	.05810	2001 R	1964
6	1996	COLU X	50	50	.05810	2001 R	1965
6	1996	COLU X	50	50	.05810	2001 R	1966
6	1996	COLU X	50	50	.05810	2001 R	1967
6	1996	COLU X	50	50	.05810	2001 R	1968
6	1996	COLU X	50	50	.05810	2001 R	1969
6	1996	COLU X	50	50	.05810	2001 R	1970
6	1996	COLU X	50	50	.05810	2001 R	1971
6	1996	COLU X	50	50	.05810	2001 R	1972
6	1996	COLU X	50	50	.05810	2001 R	1973
6	1996	COLU X	50	50	.05810	2001 R	1974
6	1996	COLU X	50	50	.05810	2001 R	1975
6	1996	COLU X	50	50	.05810	2001 R	1976
6	1996	COLU X	50	50	.05810	2001 R	1977
6	1996	COLU X	50	50	.05810	2001 R	1978
6	1996	COLU X	50	50	.05810	2001 R	1979
6	1996	COLU X	50	50	.05810	2001 R	1980
6	1996	COLU X	50	50	.05810	2001 R	1981
6	1996	COLU X	50	50	.05810	2001 R	1982
6	1996	COLU X	50	50	.05810	2001 R	1983
6	1996	COLU X	1455	0	.10750	2001 R	1984
6	1996	COLU X	362	0	.12375	2001 R	1985
6	1996	COLU X	12	12	.05810	2001	1985
6	1996	COLU X	2	0	.08500	2001 R	1988
6	1996	COLU X	652	0	.08500	2001	1992
6	1996	DWOR X	929	896	.06430	2023	1973
6	1996	DWOR X	4	4	.06430	2023 R	1974
6	1996	DWOR X	4	4	.06430	2023 R	1975

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6	1996	DWOR	X	4	4	.06430	2023	R	1976
6	1996	DWOR	X	4	4	.06430	2023	R	1977
6	1996	DWOR	X	4	4	.06430	2023	R	1978
6	1996	DWOR	X	4	4	.06430	2023	R	1979
6	1996	DWOR	X	4	4	.06430	2023	R	1980
6	1996	DWOR	X	4	4	.06430	2023	R	1981
6	1996	DWOR	X	4	4	.06430	2023	R	1982
6	1996	DWOR	X	4	4	.06430	2023	R	1983
6	1996	DWOR	X	15	0	.10750	2023	R	1984
6	1996	HUNG	X	2152	516	.05950	2003		1953
6	1996	HUNG	X	1	1	.05950	2003	R	1954
6	1996	HUNG	X	1	1	.05950	2003	R	1955
6	1996	HUNG	X	1	1	.05950	2003	R	1956
6	1996	HUNG	X	1	1	.05950	2003	R	1957
6	1996	HUNG	X	1	1	.05950	2003	R	1958
6	1996	HUNG	X	1	1	.05950	2003	R	1959
6	1996	HUNG	X	1	1	.05950	2003	R	1960
6	1996	HUNG	X	1	1	.05950	2003	R	1961
6	1996	HUNG	X	1	1	.05950	2003	R	1962
6	1996	HUNG	X	1	1	.05950	2003	R	1963
6	1996	HUNG	X	1	1	.05950	2003	R	1964
6	1996	HUNG	X	1	1	.05950	2003	R	1965
6	1996	HUNG	X	1	1	.05950	2003	R	1966
6	1996	HUNG	X	1	1	.05950	2003	R	1967
6	1996	HUNG	X	1	1	.05950	2003	R	1968
6	1996	HUNG	X	1	1	.05950	2003	R	1969
6	1996	HUNG	X	1	1	.05950	2003	R	1970
6	1996	HUNG	X	1	1	.05950	2003	R	1971
6	1996	HUNG	X	1	1	.05950	2003	R	1972
6	1996	HUNG	X	1	1	.05950	2003	R	1973
6	1996	HUNG	X	1	1	.05950	2003	R	1974
6	1996	HUNG	X	1	1	.05950	2003	R	1975
6	1996	HUNG	X	1	1	.05950	2003	R	1976
6	1996	HUNG	X	1	1	.05950	2003	R	1977
6	1996	HUNG	X	1	1	.05950	2003	R	1978
6	1996	HUNG	X	1	1	.05950	2003	R	1979
6	1996	HUNG	X	1	1	.05950	2003	R	1980
6	1996	HUNG	X	1	1	.05950	2003	R	1981
6	1996	HUNG	X	1	1	.05950	2003	R	1982

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6	1996	HUNG	X	1	1	.05950	2003 R	1983
6	1996	HUNG	X	1	0	.10750	2003 R	1984
6	1996	HUNG	X	37	0	.12375	2003 R	1985
6	1996	HUNG	X	9	0	.08500	2003	1992
6	1996	ICEH	X	719	548	.06220	2012	1962
6	1996	ICEH	X	1	1	.06220	2012 R	1963
6	1996	ICEH	X	1	1	.06220	2012 R	1964
6	1996	ICEH	X	1	1	.06220	2012 R	1965
6	1996	ICEH	X	1	1	.06220	2012 R	1966
6	1996	ICEH	X	1	1	.06220	2012 R	1967
6	1996	ICEH	X	1	1	.06220	2012 R	1968
6	1996	ICEH	X	1	1	.06220	2012 R	1969
6	1996	ICEH	X	1	1	.06220	2012 R	1970
6	1996	ICEH	X	1	1	.06220	2012 R	1971
6	1996	ICEH	X	1	1	.06220	2012 R	1972
6	1996	ICEH	X	1	1	.06220	2012 R	1973
6	1996	ICEH	X	1	1	.06220	2012 R	1974
6	1996	ICEH	X	1	1	.06220	2012 R	1975
6	1996	ICEH	X	250	250	.06490	2026 A	1976
6	1996	ICEH	X	1	1	.06220	2012 R	1976
6	1996	ICEH	X	1	1	.06220	2012 R	1977
6	1996	ICEH	X	1	1	.06220	2012 R	1978
6	1996	ICEH	X	1	1	.06220	2012 R	1979
6	1996	ICEH	X	1	1	.06220	2012 R	1980
6	1996	ICEH	X	1	1	.06220	2012 R	1981
6	1996	ICEH	X	1	1	.06220	2012 R	1982
6	1996	ICEH	X	1	1	.06220	2012 R	1983
6	1996	ICEH	X	1	0	.08875	2012 R	1987
6	1996	MINI	X	226	0	.03000	1959	1909
6	1996	MINI	X	451	0	.03000	1960	1910
6	1996	MINI	X	451	0	.03000	1961	1911
6	1996	MINI	X	226	0	.03000	1977	1927
6	1996	MINI	X	226	0	.03000	1992	1942
6	1996	MINI	X	677	0	.03000	2007	1957
6	1996	MINI	X	226	0	.03000	2008	1958
6	1996	MINI	X	28	0	.03000	2008 R	1959
6	1996	MINI	X	29	0	.03000	2008 R	1960
6	1996	MINI	X	29	0	.03000	2008 R	1961
6	1996	MINI	X	28	0	.03000	2008 R	1962

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6	1996	MINI	X	29	0	.03000	2008	R	1963
6	1996	MINI	X	28	0	.03000	2008	R	1964
6	1996	MINI	X	29	0	.03000	2008	R	1965
6	1996	MINI	X	29	0	.03000	2008	R	1966
6	1996	MINI	X	28	0	.03000	2008	R	1967
6	1996	MINI	X	29	0	.03000	2008	R	1968
6	1996	MINI	X	28	0	.03000	2008	R	1969
6	1996	MINI	X	29	0	.03000	2008	R	1970
6	1996	MINI	X	29	0	.03000	2008	R	1971
6	1996	MINI	X	28	0	.03000	2008	R	1972
6	1996	MINI	X	29	0	.03000	2008	R	1973
6	1996	MINI	X	28	0	.03000	2008	R	1974
6	1996	MINI	X	29	0	.03000	2008	R	1975
6	1996	MINI	X	29	0	.03000	2008	R	1976
6	1996	MINI	X	28	0	.03000	2008	R	1977
6	1996	MINI	X	22	22	.06150	2008	R	1978
6	1996	MINI	X	21	21	.06150	2008	R	1979
6	1996	MINI	X	22	22	.06150	2008	R	1980
6	1996	MINI	X	22	22	.06150	2008	R	1981
6	1996	MINI	X	21	21	.06150	2008	R	1982
6	1996	MINI	X	22	22	.06150	2008	R	1983
6	1996	MINI	X	11	0	.10750	2008	R	1984
6	1996	YAKC	X	507	242	.06410	2022		1956
6	1996	YAKC	X	1	1	.06410	2022	R	1959
6	1996	YAKC	X	1	1	.06410	2022	R	1960
6	1996	YAKC	X	1	1	.06410	2022	R	1961
6	1996	YAKC	X	1	1	.06410	2022	R	1962
6	1996	YAKC	X	1	1	.06410	2022	R	1963
6	1996	YAKC	X	1	1	.06410	2022	R	1964
6	1996	YAKC	X	1	1	.06410	2022	R	1965
6	1996	YAKC	X	1	1	.06410	2022	R	1966
6	1996	YAKC	X	1	1	.06410	2022	R	1967
6	1996	YAKC	X	1	1	.06410	2022	R	1968
6	1996	YAKC	X	1	1	.06410	2022	R	1969
6	1996	YAKC	X	1	1	.06410	2022	R	1970
6	1996	YAKC	X	1	1	.06410	2022	R	1971
6	1996	YAKC	X	1	1	.06410	2022	R	1972
6	1996	YAKC	X	1	1	.06410	2022	R	1973
6	1996	YAKC	X	1	1	.06410	2022	R	1974

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6	1996	YAKC	X	1	1	.06410	2022	R	1975
6	1996	YAKC	X	1	1	.06410	2022	R	1976
6	1996	YAKC	X	1	1	.06410	2022	R	1977
6	1996	YAKC	X	10	0	.10750	2022	R	1984
6	1996	YAKR	X	306	175	.06150	2008		1958
6	1996	YAKR	X	5	0	.10750	2008	R	1984

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533321

6	1996	ZBPA	X	6812	0	.02500	1985		1940
6	1996	ZBPA	X	18906	0	.02500	1986		1941
6	1996	ZBPA	X	461	0	.02500	1986	R	1941
6	1996	ZBPA	X	8446	0	.02500	1987		1942
6	1996	ZBPA	X	1052	0	.02500	1987	R	1942
6	1996	ZBPA	X	16083	0	.02500	1988		1943
6	1996	ZBPA	X	4538	0	.02500	1988	R	1943
6	1996	ZBPA	X	583	0	.02500	1989		1944
6	1996	ZBPA	X	249	0	.02500	1989	R	1944
6	1996	ZBPA	X	1306	0	.02500	1990		1945
6	1996	ZBPA	X	3366	0	.02500	1990	R	1945
6	1996	ZBPA	X	2488	0	.02500	1991		1946
6	1996	ZBPA	X	732	0	.02500	1991	R	1946
6	1996	ZBPA	X	1330	0	.02500	1992		1947
6	1996	ZBPA	X	1773	0	.02500	1992	R	1947
6	1996	ZBPA	X	7468	0	.02500	1993		1948
6	1996	ZBPA	X	2290	0	.02500	1993	R	1948
6	1996	ZBPA	X	6809	0	.02500	1994		1949
6	1996	ZBPA	X	2719	0	.02500	1994	R	1949
6	1996	ZBPA	X	24111	0	.02500	1995		1950
6	1996	ZBPA	X	6124	0	.02500	1995	R	1950
6	1996	ZBPA	X	7040	0	.02500	1996		1951
6	1996	ZBPA	X	13266	0	.02500	1996	R	1951
6	1996	ZBPA	X	18610	0	.02500	1997		1952
6	1996	ZBPA	X	8979	0	.02500	1997	R	1952
6	1996	ZBPA	X	32639	23927	.05450	1998		1953
6	1996	ZBPA	X	16085	11791	.05450	1998	R	1953

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6	1996	ZBPA	X	24211	24211	.05580	1999	1954
6	1996	ZBPA	X	17809	17809	.05580	1999 R	1954
6	1996	ZBPA	X	12222	12222	.05690	2000	1955
6	1996	ZBPA	X	10626	10626	.05690	2000 R	1955
6	1996	ZBPA	X	15154	15154	.05810	2001	1956
6	1996	ZBPA	X	33508	33508	.05810	2001 R	1956
6	1996	ZBPA	X	8313	8313	.05880	2002	1957
6	1996	ZBPA	X	16745	16745	.05880	2002 R	1957
6	1996	ZBPA	X	16434	16434	.05950	2003	1958
6	1996	ZBPA	X	11228	11228	.05950	2003 R	1958
6	1996	ZBPA	X	8647	8647	.06000	2004	1959
6	1996	ZBPA	X	9395	9395	.06000	2004 R	1959
6	1996	ZBPA	X	3832	3832	.06050	2005	1960
6	1996	ZBPA	X	4492	4492	.06050	2005 R	1960
6	1996	ZBPA	X	4778	4778	.06110	2006	1961
6	1996	ZBPA	X	12053	12053	.06110	2006 R	1961
6	1996	ZBPA	X	21088	21088	.06130	2007	1962
6	1996	ZBPA	X	5248	5248	.06130	2007 R	1962
6	1996	ZBPA	X	5283	5283	.06150	2008	1963
6	1996	ZBPA	X	4692	4692	.06150	2008 R	1963
6	1996	ZBPA	X	978	978	.06150	2008	1963
6	1996	ZBPA	X	869	869	.06150	2008 R	1963
6	1996	ZBPA	X	4996	4996	.05160	2009	1964
6	1996	ZBPA	X	6907	6907	.05160	2009 R	1964
6	1996	ZBPA	X	4064	4064	.06180	2010	1965
6	1996	ZBPA	X	7948	7948	.06180	2010 R	1965
6	1996	ZBPA	X	5701	5701	.06180	2010	1965
6	1996	ZBPA	X	11146	11146	.06180	2010 R	1965
6	1996	ZBPA	X	13047	13047	.06200	2011	1966
6	1996	ZBPA	X	3363	3363	.06200	2011 R	1966
6	1996	ZBPA	X	7326	7326	.06200	2011	1966
6	1996	ZBPA	X	1889	1889	.06200	2011 R	1966
6	1996	ZBPA	X	21053	21053	.06220	2012	1967
6	1996	ZBPA	X	5059	5059	.06220	2012 R	1967
6	1996	ZBPA	X	15843	15843	.06220	2012	1967
6	1996	ZBPA	X	3807	3807	.06220	2012 R	1967
6	1996	ZBPA	X	45776	45776	.06240	2013	1968
6	1996	ZBPA	X	9001	9001	.06240	2013 R	1968
6	1996	ZBPA	X	25861	25861	.06240	2013	1968

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6	1996	ZBPA	X	5085	5085	.06240	2013	R	1968
6	1996	ZBPA	X	47301	47301	.06260	2014		1969
6	1996	ZBPA	X	25239	25239	.06260	2014	R	1969
6	1996	ZBPA	X	430	430	.06260	2014		1969
6	1996	ZBPA	X	229	229	.06260	2014	R	1969
6	1996	ZBPA	X	73118	73118	.06280	2015		1970
6	1996	ZBPA	X	8997	8997	.06280	2015	R	1970
6	1996	ZBPA	X	27471	27471	.06280	2015		1970
6	1996	ZBPA	X	3380	3380	.06280	2015	R	1970
6	1996	ZBPA	X	13574	13574	.06300	2016		1971
6	1996	ZBPA	X	20054	20054	.06300	2016	R	1971
6	1996	ZBPA	X	13574	13476	.06300	2016		1971
6	1996	ZBPA	X	20054	19910	.06300	2016	R	1971
6	1996	ZBPA	X	32799	32799	.06320	2017		1972
6	1996	ZBPA	X	23677	23677	.06320	2017	R	1972
6	1996	ZBPA	X	4442	4442	.06320	2017		1972
6	1996	ZBPA	X	3206	3206	.06320	2017	R	1972
6	1996	ZBPA	X	44083	37664	.06340	2018		1973
6	1996	ZBPA	X	28255	24141	.06340	2018	R	1973
6	1996	ZBPA	X	26670	18212	.06340	2018		1973
6	1996	ZBPA	X	17094	11673	.06340	2018	R	1973
6	1996	ZBPA	X	13421	13421	.06360	2019		1974
6	1996	ZBPA	X	23314	23314	.06360	2019	R	1974
6	1996	ZBPA	X	13977	13977	.06360	2019		1974
6	1996	ZBPA	X	24283	24283	.06360	2019	R	1974
6	1996	ZBPA	X	35527	35527	.06380	2020		1975
6	1996	ZBPA	X	24312	24312	.06380	2020	R	1975
6	1996	ZBPA	X	19025	19025	.06380	2020		1975
6	1996	ZBPA	X	13020	13020	.06380	2020	R	1975
6	1996	ZBPA	X	67534	67534	.06390	2021		1976
6	1996	ZBPA	X	2447	2447	.06390	2021	R	1976
6	1996	ZBPA	X	4354	4354	.06410	2022		1977
6	1996	ZBPA	X	5934	5934	.06410	2022	R	1977
6	1996	ZBPA	X	37113	37113	.06410	2022		1977
6	1996	ZBPA	X	51465	9613	.06410	2022	R	1977

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6	1995	ZABF	X	17770	0	.08950	2013	1978	09
6	1995	ZABF	X	24222	0	.08950	2013 R	1978	09
6	1995	ZABF	X	7010	0	.09450	2014	1979	06
6	1995	ZABF	X	9804	0	.09450	2014 R	1979	06
6	1995	ZABF	X	26690	0	.09450	2014	1979	06
6	1995	ZABF	X	21977	0	.09450	2014 R	1979	06
6	1995	ZABF	X	6026	0	.09450	2014 R	1979	06
6	1995	ZABF	X	21228	0	.09900	2014	1979	09
6	1995	ZABF	X	14340	0	.09900	2014 R	1979	09
6	1995	ZABF	X	10610	0	.09900	2014	1979	09
6	1995	ZABF	X	2888	0	.09900	2014 R	1979	09
6	1995	ZABF	X	39696	0	.13000	2015	1980	09
6	1995	ZABF	X	10806	0	.13000	2015 R	1980	09
6	1995	ZABF	X	44811	0	.13000	2015	1980	09
6	1995	ZABF	X	1469	0	.13000	2015 R	1980	09
6	1995	ZABF	X	9292	0	.13000	2015	1980	09
6	1995	ZABF	X	4253	0	.13000	2015 R	1980	09
6	1995	ZABF	X	119775	0	.16600	2016	1981	09
6	1995	ZABF	X	54821	0	.16600	2016 R	1981	09
6	1995	ZABF	X	34221	0	.14400	2017	1982	12
6	1995	ZABF	X	15663	0	.14400	2017 R	1982	12
6	1995	ZABF	X	9975	0	.14400	2017	1982	04
6	1995	ZABF	X	4566	0	.14400	2017 R	1982	04
6	1995	ZABF	X	46980	0	.14400	2017	1982	04
6	1995	ZABF	X	37455	0	.14400	2017 R	1982	04
6	1995	ZABF	X	3677	0	.14150	2017	1982	07
6	1995	ZABF	X	-3677	0	.14150	2017	1987	07
6	1995	ZABF	X	2932	0	.14150	2017 R	1982	07
6	1995	ZABF	X	-2932	0	.14150	2017 R	1987	07
6	1995	ZABF	X	77807	0	.14150	2017	1982	07
6	1995	ZABF	X	-77807	0	.14150	2017	1987	07
6	1995	ZABF	X	39741	0	.10850	2018	1983	11
6	1995	ZABF	X	-39741	0	.10850	2018	1988	02
6	1995	ZABF	X	29806	0	.11700	2018	1983	06
6	1995	ZABF	X	814	0	.12250	2018	1983	09
6	1995	ZABF	X	37235	0	.12250	2018	1983	09
6	1995	ZABF	X	6708	0	.12250	2018 R	1983	09



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6	1995	ZABF	X	25283	0	.12300	2019	1984	11	
6	1995	ZABF	X	4555	0	.12300	2019 R	1984	11	
6	1995	ZABF	X	50567	0	.13050	2019	1984	09	
6	1995	ZABF	X	9109	0	.13050	2019 R	1984	09	
6	1995	ZABF	X	84278	0	.11250	2029	1985	06	
6	1995	ZABF	X	15182	0	.11250	2029 R	1985	06	
6	1995	ZABF	X	870	0	.08150	1996	1986	03	T
6	1995	ZABF	X	157	0	.08150	1996 R	1986	03	T
6	1995	ZABF	X	30161	0	.08150	1996	1986	03	T
6	1995	ZABF	X	68194	0	.08150	1996 R	1986	03	T
6	1995	ZABF	X	5161	0	.08950	2030	1986	06	
6	1995	ZABF	X	-5161	0	.08950	2030	1992	08	
6	1995	ZABF	X	11668	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	-11668	0	.08950	2030 R	1992	08	
6	1995	ZABF	X	180054	0	.08950	2030	1986	06	
6	1995	ZABF	X	-180054	0	.08950	2030	1992	08	
6	1995	ZABF	X	3117	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	-3117	0	.08950	2030 R	1992	08	
6	1995	ZABF	X	40000	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	-40000	0	.08950	2030 R	1994	05	
6	1995	ZABF	X	57354	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	43236	0	.09300	2031	1987	04	
6	1995	ZABF	X	-43236	0	.09300	2031	1992	04	
6	1995	ZABF	X	54409	0	.09300	2031 R	1987	04	
6	1995	ZABF	X	-54409	0	.09300	2031 R	1992	04	
6	1995	ZABF	X	96519	0	.08350	1992	1987	06	T
6	1995	ZABF	X	4113	0	.09550	2017	1987	07	
6	1995	ZABF	X	3274	0	.09550	2017 R	1987	07	
6	1995	ZABF	X	86958	0	.09550	2017	1987	07	
6	1995	ZABF	X	7903	0	.09550	2032	1987	07	
6	1995	ZABF	X	3109	0	.09550	2032 R	1987	07	
6	1995	ZABF	X	37342	0	.09550	2032	1987	07	
6	1995	ZABF	X	43417	0	.09500	2018	1988	02	
6	1995	ZABF	X	28513	0	.09500	2033	1988	02	
6	1995	ZABF	X	-28513	0	.09500	2033	1994	10	
6	1995	ZABF	X	27887	0	.09500	2033 R	1988	02	
6	1995	ZABF	X	-27887	0	.09500	2033 R	1994	10	
6	1995	ZABF	X	20677	0	.09500	2033	1988	02	
6	1995	ZABF	X	-20677	0	.09500	2033	1994	10	

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6	1995	ZABF	X	22923	0	.09500	2033	R	1988	02		
6	1995	ZABF	X	-22923	0	.09500	2033	R	1994	10		
6	1995	ZABF	X	45870	0	.09500	2033	R	1988	02		
6	1995	ZABF	X	-45870	0	.09500	2033	R	1994	05		
6	1995	ZABF	X	9018	0	.09900	2033		1988	06		
6	1995	ZABF	X	30004	0	.09900	2033	R	1988	06		
6	1995	ZABF	X	16909	16909	.08950	1999		1989	05	T	
6	1995	ZABF	X	56257	56257	.08950	1999	R	1989	05	T	
6	1995	ZABF	X	1149	1149	.09250	2030		1990	01	10	
6	1995	ZABF	X	3824	3824	.09250	2030	R	1990	01	10	
6	1995	ZABF	X	41894	41894	.09250	2030		1990	01	10	
6	1995	ZABF	X	54145	0	.07550	1995		1991	02	T	
6	1995	ZABF	X	147521	147521	.08800	2032		1992	04		
6	1995	ZABF	X	50000	50000	.07000	1997		1992	04	T	
6	1995	ZABF	X	80000	0	.06200	1995		1992	04	T	
6	1995	ZABF	X	28300	28300	.07000	1997		1992	04	T	
6	1995	ZABF	X	150000	150000	.08130	2032		1992	07		
6	1995	ZABF	X	107800	107800	.06600	2000		1992	08	T	
6	1995	ZABF	X	107700	107700	.07250	2007		1992	08		
6	1995	ZABF	X	50000	50000	.06050	1998		1993	10	T	
6	1995	ZABF	X	88984	88984	.08350	2033		1993	10		
6	1995	ZABF	X	130000	130000	.07800	2033		1993	02		
6	1995	ZABF	X	100000	100000	.07500	2033		1993	04		
6	1995	ZABF	X	110000	110000	.06950	2033		1993	08		
6	1995	ZABF	X	108400	108400	.06850	2033		1994	10		
6	1995	ZABF	X	43155	0	.07100	1998		1994	05	01	P
6	1995	ZABF	X	49489	0	.07100	1998		1994	05	01	P
6	1995	ZABF	X	35722	35722	.06850	2034		1994	10		
6	1995	ZABF	X	50000	50000	.07050	2034		1994	01		
6	1995	ZABF	X	50000	50000	.08200	2034		1994	05		
6	1995	ZABF	X	55000	0	.07650	1999		1994	09	01	P
6	1995	ZABF	X	55000	5010	.08350	2001		1995	01	01	P
6	1995	ZABF	X	41491	41491	.07700	2025		1995	07	05	
6	1995	ZABF	X	65000	65000	.07700	2025		1995	08	05	
6	1995	ZAFW	X	12100	12100	.07200	2010		1995	08	05	
6	1996	ZABF	X	148702	148702	.07240	2041		1996	03		
6	1996	ZAFW	X	15000	15000	.06950	2011		1996	03		
6	1997	ZABF	X	124330	124330	.06930	2042		1997	03		
6	1997	ZAFW	X	12200	12200	.06600	2012		1997	03		

Prtt.txt

6	1998	ZABF	X	121417	121417	.06720	2043	1998	03
6	1998	ZAFW	X	11200	11200	.06400	2013	1998	03
6	1999	ZABF	X	133721	133721	.06610	2044	1999	03
6	1999	ZAFW	X	11500	11500	.06380	2014	1999	03
				3806188	2136131				

1670057

= TOTAL FOR 6

116.52100      236546  
240395

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CORPS-BUREAU REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE
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1

BPA REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE
6	2000	ZABF X	111276	111276	2045 R .06610
6	2001	ZABF X	114987	114987	2046 R .06610
6	2002	ZABF X	118592	118592	2047 R .06610
6	2003	ZABF X	121962	121962	2048 R .06610
6	2004	ZABF X	125152	125152	2049 R .06610
6	2005	ZABF X	128318	128318	2050 R .06610
6	2006	ZABF X	131403	131403	2051 R .06610
6	2007	ZABF X	134333	134333	2052 R .06610
6	2008	ZABF X	136976	136976	2053 R .06610
6	2009	ZABF X	139318	139318	2054 R .06610
6	2010	ZABF X	141271	141271	2055 R .06610
6	2011	ZABF X	143097	143097	2056 R .06610
6	2012	ZABF X	144955	144955	2057 R .06610
6	2013	ZABF X	146849	146849	2058 R .06610
6	2014	ZABF X	148770	148770	2059 R .06610

						Prtt.txt
6	2015	ZABF	X	150811	150811	2060 R .06610
6	2016	ZABF	X	152918	152918	2061 R .06610
6	2017	ZABF	X	155040	155040	2062 R .06610
6	2018	ZABF	X	157213	157213	2063 R .06610
6	2019	ZABF	X	159343	159343	2064 R .06610
6	2020	ZABF	X	161419	161419	2065 R .06610
6	2021	ZABF	X	163385	163385	2066 R .06610
6	2022	ZABF	X	165202	165202	2067 R .06610
6	2023	ZABF	X	166915	166915	2068 R .06610
6	2024	ZABF	X	168519	168519	2069 R .06610
6	2025	ZABF	X	169964	169964	2070 R .06610
6	2026	ZABF	X	171362	171362	2071 R .06610
6	2027	ZABF	X	172773	172773	2072 R .06610
6	2028	ZABF	X	174153	174153	2073 R .06610
6	2029	ZABF	X	175553	175553	2074 R .06610
6	2030	ZABF	X	177031	177031	2075 R .06610
6	2031	ZABF	X	178539	178539	2076 R .06610
6	2032	ZABF	X	180063	180063	2077 R .06610
6	2033	ZABF	X	181610	181610	2078 R .06610
6	2034	ZABF	X	183185	183185	2079 R .06610
6	2035	ZABF	X	184705	184705	2080 R .06610
6	2036	ZABF	X	186118	186118	2081 R .06610
6	2037	ZABF	X	187409	187409	2082 R .06610
6	2038	ZABF	X	188580	188580	2083 R .06610
6	2039	ZABF	X	189589	189589	2084 R .06610
6	2040	ZABF	X	190494	190494	2085 R .06610
6	2041	ZABF	X	191343	191343	2086 R .06610
6	2042	ZABF	X	192130	192130	2087 R .06610
6	2043	ZABF	X	193002	193002	2088 R .06610
6	2044	ZABF	X	193903	193903	2089 R .06610

NUMBER OF INVESTMENTS FOR THIS STUDY IS 531

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REPAYMENT STUDY FOR 1996 FINAL RATE FILING  
OCTOBER 1,1998 - SEPTEMBER 30,1999 COST EVALUATION PERIOD

REPAY 99 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT  
TRANSMISSION

SUMMARY OF SOLUTION STEPS

PRIMARY ITERATION NUMBER	TRIAL REVENUE FACTOR	SECONDARY ITERATIONS REQUIRED	RESULTS
1	1.000000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2040
2	1.500000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
3	1.250000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
4	1.120000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
5	1.060000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
6	1.030000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
7	1.015000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
8	1.007000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2043
9	1.011000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
10	1.009000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2044
11	1.010000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2044
12	1.010500	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
13	1.010250	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
14	1.010120	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2044

15 1.010180 2 ANNUAL REVENUES INSUFFICIENT IN YEAR 2044  
 16 1.010210 1 CONVERGED TO MINIMUM REPAYMENT SCHEDULE

1  
 106/07/96  
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 1 OF 2

PAGE

F E D E R A L C O L U M B I A R I V E R P O W E R S Y S

REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,1998 - SEPTEMBER 30,1999 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE A FISCAL

0	1	2	3	4	5	6	7
FISCAL YEAR	REVENUE SURPLUS OR DEFICIT	REVENUE REQUIREMENT	ANNUAL OBLIGATIONS	PURCHASE AND EXCHANGE POWER	GROSS INTEREST	AMORTIZATION	IRRIGATION AMORTIZATION
ENDING SEPT 30 CUMULATIVE 1996						1,951,722	
1997		332,119	4,498		206,932	120,689	
1998		334,432	4,851		206,334	123,247	
1999		338,643	4,991		205,374	128,278	
2000		338,643	4,991	-975	202,948	131,679	
2001		338,643	4,991	-1,009	206,652	128,009	

			Prtt.txt		
2002	338,643	4,991	-1,041	206,395	128,298
2003	338,643	4,991	-1,073	203,729	130,996
2004	338,643	4,991	-1,104	201,972	132,784
2005	338,643	4,991	-1,134	200,288	134,498
2006	338,643	4,991	-1,164	197,514	137,302
2007	338,643	4,991	-1,193	190,602	144,243
2008	338,643	4,991	-1,221	195,181	139,692
2009	338,643	4,991	-1,249	194,233	140,668
2010	338,643	4,991	-1,277	191,370	143,559
2011	338,643	4,991	-1,303	191,497	143,458
2012	338,643	4,991	-1,329	190,281	144,700
2013	338,643	4,991	-1,355	188,439	146,568
2014	338,643	4,991	-1,380	189,189	145,843
2015	338,643	4,991	-1,404	188,981	146,075
2016	338,643	4,991	-1,428	191,546	143,534
2017	338,643	4,991	-1,451	189,882	145,221
2018	338,643	4,991	-1,474	192,470	142,656
2019	338,643	4,991	-1,496	194,350	140,798

			Prtt.txt		
2020	338,643	4,991	-1,517	195,279	139,890
2021	338,643	4,991	-1,538	197,748	137,442
2022	338,643	4,991	-1,557	200,150	135,059
2023	338,643	4,991	-1,576	204,211	131,017
2024	338,643	4,991	-1,594	206,651	128,595
2025	338,643	4,991	-1,613	209,302	125,963
2026	338,643	4,991	-1,629	212,210	123,071
2027	338,643	4,991	-1,644	215,389	119,907
2028	338,643	4,991	-1,659	218,855	116,456
2029	338,643	4,991	-1,674	222,628	112,698
2030	338,643	4,991	-1,685	226,728	108,609
2031	338,643	4,991	-1,696	231,199	104,149
2032	338,643	4,991	-1,706	236,078	99,280
2033	338,643	4,991	-1,715	241,330	94,037
2034	338,643	4,991	-1,721	247,033	88,340
2035	338,643	4,991	-1,727	253,250	82,129
2036	338,643	4,991	-1,732	259,896	75,488
2037	338,643	4,991	-1,732	267,162	68,222



Prtt.txt

2038	338,643	4,991	-1,728	274,901	60,479
2039	338,643	4,991	-1,724	283,285	52,091
2040	338,643	4,991	-1,718	292,273	43,097
2041	338,643	4,991	-1,716	301,909	33,459
2042	338,643	4,991	-1,714	312,257	23,109
2043	338,643	4,991	-1,712	323,373	11,991
2044	338,643	4,991	-1,714	335,308	58
0 TOTALS	16,244,129	238,935	-66,801	10,694,564	5,377,431

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T E M  
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PAGE

F E D E R A L C O L U M B I A R I V E R P O W E R S Y S

REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,1998 - SEPTEMBER 30,1999 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE B FISCAL

0	1	2	3	4	5	6	7
8		9					
10							
0							

INVESTMENT PLACED IN SERVICE

IRRIGATION ASSISTANCE

FISCAL

YEAR	INITIAL	REPLACE-	CUMULATIVE	AMORTI-	TERM	CUM
ULATIVE						
ENDING	PROJECT	+	AMOUNT IN	-	ZATION	= UNAMORTIZED
OUNT IN	-	AMORTI-	=		INVESTMENT	AM
UNAMORTIZED						

SEPT 30 SERVICE AMOUNT OCUMULATIVE	THRU 9-30 ZATION	THRU 9-30	Prtt.txt SERVICE	9-30	INVESTMENT	SCHEDULE	S
1996	3,923,056	1,008,208	4,931,264	1,951,722	2,979,542	4,451,478	
1997	136,530		5,067,794	120,689	2,995,383	4,482,119	
1998	132,617		5,200,411	123,247	3,004,753	4,418,852	
1999	145,221		5,345,632	128,278	3,021,696	4,389,371	
2000		111,276	5,456,908	131,679	3,001,293	4,366,893	
2001		114,987	5,571,895	128,009	2,988,271	4,367,464	
2002		118,592	5,690,487	128,298	2,978,565	4,460,998	
2003		121,962	5,812,449	130,996	2,969,531	4,553,069	
2004		125,152	5,937,601	132,784	2,961,899	4,660,179	
2005		128,318	6,065,919	134,498	2,955,719	4,780,173	
2006		131,403	6,197,322	137,302	2,949,820	4,894,745	
2007		134,333	6,331,655	144,243	2,939,910	4,894,365	
2008		136,976	6,468,631	139,692	2,937,194	5,018,298	
2009		139,318	6,607,949	140,668	2,935,844	5,145,713	
2010		141,271	6,749,220	143,559	2,933,556	5,246,025	
2011		143,097	6,892,317	143,458	2,933,195	5,348,497	

Prtt.txt

2012	144,955	7,037,272	144,700	2,933,450	5,434,749
2013	146,849	7,184,121	146,568	2,933,731	5,442,683
2014	148,770	7,332,891	145,843	2,936,658	5,386,181
2015	150,811	7,483,702	146,075	2,941,394	5,313,699
2016	152,918	7,636,620	143,534	2,950,778	5,224,765
2017	155,040	7,791,660	145,221	2,960,597	5,072,476
2018	157,213	7,948,873	142,656	2,975,154	4,995,607
2019	159,343	8,108,216	140,798	2,993,699	4,990,441
2020	161,419	8,269,635	139,890	3,015,228	5,059,976
2021	163,385	8,433,020	137,442	3,041,171	5,153,380
2022	165,202	8,598,222	135,059	3,071,314	5,219,180
2023	166,915	8,765,137	131,017	3,107,212	5,385,111
2024	168,519	8,933,656	128,595	3,147,136	5,553,630
2025	169,964	9,103,620	125,963	3,191,137	5,607,634
2026	171,362	9,274,982	123,071	3,239,428	5,769,912
2027	172,773	9,447,755	119,907	3,292,294	5,933,924
2028	174,153	9,621,908	116,456	3,349,991	6,099,385
2029	175,553	9,797,461	112,698	3,412,846	6,158,224

Prtt.txt

2030	177,031	9,974,492	108,609	3,481,268	6,231,034
2031	178,539	10,153,031	104,149	3,555,658	6,409,071
2032	180,063	10,333,094	99,280	3,636,441	6,240,764
2033	181,610	10,514,704	94,037	3,724,014	5,832,964
2034	183,185	10,697,889	88,340	3,818,859	5,880,427
2035	184,705	10,882,594	82,129	3,921,435	6,065,132
2036	186,118	11,068,712	75,488	4,032,065	6,251,250
2037	187,409	11,256,121	68,222	4,151,252	6,438,659
2038	188,580	11,444,701	60,479	4,279,353	6,627,239
2039	189,589	11,634,290	52,091	4,416,851	6,816,828
2040	190,494	11,824,784	43,097	4,564,248	7,007,322
2041	191,343	12,016,127	33,459	4,722,132	7,049,963
2042	192,130	12,208,257	23,109	4,891,153	7,117,763
2043	193,002	12,401,259	11,991	5,072,164	7,189,348
2044	193,903	12,595,162	58	5,266,009	7,249,530
0 TOTALS	4,337,424	8,257,738		7,329,153	

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 LINES MAY NOT ADD ACROSS BECAUSE OF ROUND OFF ERRORS

SUMMARY OF INTEREST EXPENSE  
 6 FINAL RATE FILING

TRANSMISSION FY 1999

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

03	2004	2005	1997	1998	1999	2000	2001	2002	20
2006									
BUREAU OF RECLAMATION									
BOISE									
			184	184	184	184	184		
51	4,151	4,151	4,151	4,151	4,151	4,151	4,151	4,151	4,1
4,151									
31			31	31	31	31	31	31	
31									
6	6	6	6	6	6	6	6	6	
6									
16	16	16	16	16	16	16	16	16	
16									
11	11	11	11	11	11	11	11	11	
11									
TOTAL BUREAU			4,399	4,399	4,399	4,399	4,399	4,215	4,2

15            4,184            4,184  
 4,184

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW	245	245	245	245	245	245	2
45            245            245							
245							

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK	58	58	58	58	58	58
58            58            58						
58						

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR	50	50	50	50	50	50
50            50            50						
50						

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS			353	353	353	353	353	353	3
53	353	353							
353									

LOWER SNAKE F AND W

BONNEVILLE POWER ADM			73,199	73,199	71,252	68,907	67,607	64,780	63,3
06	61,660	60,577							
60,073									

TOTAL APPROPRIATIONS			77,951	77,951	76,004	73,659	72,359	69,348	67,8
74	66,197	65,114							
64,610									

BPA BORROWING

BPA PROGRAM			133,393	132,570	134,740	135,138	135,405	136,232	135,4
32	135,174	134,233							
132,975									

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV			2,316	3,076	3,802	4,169	4,169	4,169	4,1
69	4,169	4,169							
4,169									

				Prtt.txt					
PREMIUMS			3,264	2,807	950	71	4,806	6,719	6,3
45	6,529	6,889							
5,903									
0 LESS									
0 AFUDC									
0 INTEREST INCOME			9,992	10,070	10,122	10,089	10,087	10,073	10,0
91	10,097	10,117							
10,143									
0 TOTAL BPA BORROWING			128,981	128,383	129,370	129,289	134,293	137,047	135,8
55	135,775	135,174							
132,904									
			-----	-----	-----	-----	-----	-----	-----
TOTALS			206,932	206,334	205,374	202,948	206,652	206,395	203,7
29	201,972	200,288							
197,514									
1									

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 1999

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

	2014	2015	2007	2008	2009	2010	2011	2012	20
13									
2016									

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN



COLUMBIA BASIN- 3RD	4,151	4,151	4,151	4,151	4,151	4,151	4,151	4,1
51 4,151 4,151								
4,151								
HUNGRY HORSE								
MINIDOKA	6	6						
YAKIMA-CHANDLER	16	16	16	16	16	16	16	
16 16 16								
16								
YAKIMA-ROZA	11	11						
TOTAL BUREAU	4,184	4,184	4,167	4,167	4,167	4,167	4,167	4,1
67 4,167 4,167								
4,167								
CORPS OF ENGINEERS								
ALBENI FALLS								
BONNEVILLE								
BONNEVILLE - 2ND POW	245	245	245	245	245	245	245	2
45 245 245								
245								
CHIEF JOSEPH								
COUGAR								
COLUMBIA RIVER FISH								
DETROIT-BIG CLIFF								
DWORSHAK	58	58	58	58	58	58	58	
58 58 58								
58								
GREEN PETER-FOSTER								

HILLS CREEK								
16	ICE HARBOR	16	50	50	50	50	50	50
16								
JOHN DAY								
LIBBY								
LITTLE GOOSE								
LOOKOUT POINT-DEXTER								
LOST CREEK								
LOWER GRANITE								
LOWER MONUMENTAL								
MCNARY								
STRUBE								
THE DALLES								
19	TOTAL CORPS	319	353	353	353	353	353	3
319								
LOWER SNAKE F AND W								
71	BONNEVILLE POWER ADM	39,940	59,045	57,430	56,703	56,089	54,306	49,8
32,846								

				Prtt.txt				
TOTAL APPROPRIATIONS	63,582	61,967	61,223	60,609	58,826	57,237	54,3	
57 49,008 44,426								
37,332								
BPA BORROWING								
BPA PROGRAM	132,506	132,899	132,594	132,604	134,851	137,241	140,9	
44 147,314 153,033								
160,847								
BUREAU DIRECT FUND								
FISH, WILDLIFE & ENV	4,169	4,169	4,169	4,169	3,298	2,256	1,4	
51 734								
PREMIUMS	498	6,294	6,402	4,145	4,655	3,656	1,7	
44 2,086 1,384								
3,085								
0LESS								
0 AFUDC								
0 INTEREST INCOME	10,153	10,148	10,155	10,157	10,133	10,109	10,0	
57 9,953 9,862								
9,718								
0TOTAL BPA BORROWING	127,020	133,214	133,010	130,761	132,671	133,044	134,0	
82 140,181 144,555								
154,214								
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TOTALS	190,602	195,181	194,233	191,370	191,497	190,281	188,4	
39 189,189 188,981								
191,546								
1								

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 1999

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

23 2026	2024	2025	2017	2018	2019	2020	2021	2022	20
BUREAU OF RECLAMATION									
BOISE									
COLUMBIA BASIN									
			4,151						
COLUMBIA BASIN- 3RD									
HUNGRY HORSE									
MINIDOKA									
			16	16	16	16	16	16	
YAKIMA-CHANDLER									
YAKIMA-ROZA									
			4,167	16	16	16	16	16	
TOTAL BUREAU									
CORPS OF ENGINEERS									
ALBENI FALLS									
BONNEVILLE									
			245						
BONNEVILLE - 2ND POW									
CHIEF JOSEPH									

COUGAR							
COLUMBIA RIVER FISH							
DETROIT-BIG CLIFF							
DWORSHAK	58	58	58	58	58	58	58
58 GREEN PETER-FOSTER							
HILLS CREEK							
ICE HARBOR	16						
JOHN DAY							
LIBBY							
LITTLE GOOSE							
LOOKOUT POINT-DEXTER							
LOST CREEK							
LOWER GRANITE							
LOWER MONUMENTAL							
MCNARY							
STRUBE							
THE DALLES							
TOTAL CORPS	319	58	58	58	58	58	58
58							

LOWER SNAKE F AND W

BONNEVILLE POWER ADM			28,625	24,572	18,758	13,988	8,125	3,654
TOTAL APPROPRIATIONS			33,111	24,646	18,832	14,062	8,199	3,728
58								
BPA BORROWING								
BPA PROGRAM			165,883	175,329	182,422	188,675	196,237	202,638
73	210,960	213,646						208,4
216,601								
BUREAU DIRECT FUND								
FISH, WILDLIFE & ENV								
PREMIUMS			513	1,946	2,416	1,747	2,378	2,732
21	4,486	4,403						4,5
4,302								
0LESS								
0 AFUDC								
0 INTEREST INCOME			9,625	9,451	9,320	9,205	9,066	8,948
41	8,795	8,747						8,8
8,693								
0TOTAL BPA BORROWING			156,771	167,824	175,518	181,217	189,549	196,422
53	206,651	209,302						204,1
212,210								
-----								
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TOTALS			189,882	192,470	194,350	195,279	197,748	200,150
11	206,651	209,302						204,2
212,210								
1								

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 1999

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

			2027	2028	2029	2030	2031	2032	20
33	2034	2035							
2036									

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

COLUMBIA BASIN- 3RD

HUNGRY HORSE

MINIDOKA

YAKIMA-CHANDLER

YAKIMA-ROZA

TOTAL BUREAU

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES



TOTAL CORPS

LOWER SNAKE F AND W

BONNEVILLE POWER ADM

TOTAL APPROPRIATIONS

BPA BORROWING

BPA PROGRAM	219,839	223,379	227,240	231,443	236,016	240,983	246,3
74 252,214 258,534							
265,360							
BUREAU DIRECT FUND							
FISH, WILDLIFE & ENV							
PREMIUMS	4,183	4,044	3,885	3,705	3,519	3,339	3,1
00 2,855 2,635							
2,329							
0LESS							
0 AFUDC							
0 INTEREST INCOME	8,633	8,568	8,497	8,420	8,336	8,244	8,1
44 8,036 7,919							
7,793							
0TOTAL BPA BORROWING	215,389	218,855	222,628	226,728	231,199	236,078	241,3
30 247,033 253,250							
259,896							
-----	-----	-----	-----	-----	-----	-----	-----
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TOTALS			215,389	218,855	Prtt.txt 222,628	226,728	231,199	236,078	241,3
30	247,033	253,250							
259,896									
1									

SUMMARY OF INTEREST EXPENSE				TRANSMISSION FY 1999				REPAYMENT STUDY FOR 199
6 FINAL RATE FILING								

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					(ALL AMOUNTS IN \$1000)				
43	2044		2037	2038	2039	2040	2041	2042	20

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

COLUMBIA BASIN- 3RD

HUNGRY HORSE

MINIDOKA

YAKIMA-CHANDLER

YAKIMA-ROZA

TOTAL BUREAU

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

M McNARY

STRUBE							
THE DALLES							
TOTAL CORPS							
LOWER SNAKE F AND W							
BONNEVILLE POWER ADM							
TOTAL APPROPRIATIONS							
BPA BORROWING							
BPA PROGRAM	272,715	280,633	289,133	298,251	308,023	318,485	329,6
87 341,680							
BUREAU DIRECT FUND							
FISH, WILDLIFE & ENV							
PREMIUMS	2,103	1,777	1,503	1,203	885	577	2
82 1							
0LESS							
0 AFUDC							
0 INTEREST INCOME	7,656	7,509	7,351	7,181	6,999	6,805	6,5
96 6,373							
0TOTAL BPA BORROWING	267,162	274,901	283,285	292,273	301,909	312,257	323,3
73 335,308							
-- -----							
TOTALS	267,162	274,901	283,285	292,273	301,909	312,257	323,3
73 335,308							

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 1999

REPAYMENT STUDY FOR 199

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TOTALS

BUREAU OF RECLAMATION

BOISE	
COLUMBIA BASIN	920
COLUMBIA BASIN- 3RD	87,171
HUNGRY HORSE	217
MINIDOKA	72
YAKIMA-CHANDLER	416
YAKIMA-ROZA	132

TOTAL BUREAU 88,928

CORPS OF ENGINEERS

ALBENI FALLS	
BONNEVILLE	
BONNEVILLE - 2ND POW	5,145
CHIEF JOSEPH	
COUGAR	
COLUMBIA RIVER FISH	
DETROIT-BIG CLIFF	
DWORSHAK	1,566
GREEN PETER-FOSTER	
HILLS CREEK	
ICE HARBOR	880
JOHN DAY	
LIBBY	

LITTLE GOOSE  
LOOKOUT POINT-DEXTER  
LOST CREEK  
LOWER GRANITE  
LOWER MONUMENTAL  
MCNARY  
STRUBE  
THE DALLES

TOTAL CORPS 7,591  
LOWER SNAKE F AND W

TOTAL APPROPRIATIONS 96,519

BONNEVILLE POWER ADM 1,265,751

BPA BORROWING

BPA PROGRAM 9,550,978

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV 62,792

PREMIUMS 149,601

0LESS

0 AFUDC

0 INTEREST INCOME 431,077

0TOTAL BPA BORROWING 9,332,294

TOTALS 10,694,564

1

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APPLICATION OF AMORTIZATION  
96 FINAL RATE FILING

TRANSMISSION FY 1999

REPAYMENT STUDY FOR 19

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
1997	BPA PROGRAM	28,300	1992	1997	28,300	28,300	.07000
	BPA PROGRAM	50,000	1992	1997	50,000	50,000	.07000
	BPA PROGRAM	42,389	1992	2032	147,521	147,521	.08800
	-----						
	TOTAL	120,689					
1998	BPA PROGRAM	50,000	1993	1998	50,000	50,000	.06050
	BONNEVILLE POWER ADMINISTRATION	23,927	1953	1998	23,927	23,927	.05450
	BONNEVILLE POWER ADMINISTRATION	11,791	1953	1998	11,791	11,791	.05450
R	BPA PROGRAM	37,529	1992	2032	147,521	105,132	.08800
	-----						
	TOTAL	123,247					
1999	BPA PROGRAM	56,257	1989	1999	56,257	56,257	.08950
R	BPA PROGRAM	16,909	1989	1999	16,909	16,909	.08950
	BONNEVILLE POWER ADMINISTRATION	24,211	1954	1999	24,211	24,211	.05580
	BONNEVILLE POWER ADMINISTRATION	17,809	1954	1999	17,809	17,809	.05580
R	BPA PROGRAM		1992	2032	147,521	67,603	.08800

13,092

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TOTAL

128,278

2000	BONNEVILLE POWER ADMINISTRATION	1955	2000	12,222	12,222	.05690
	12,222					
	BPA PROGRAM	1992	2000	107,800	107,800	.06600
	107,800					
R	BONNEVILLE POWER ADMINISTRATION	1955	2000	10,626	10,626	.05690
	10,626					
	BPA PROGRAM	1990	2030	1,149	1,149	.09250
	1,031					

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TOTAL

131,679

2001	COLUMBIA BASIN	1959	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1960	2001	50	50	.05810
R	50					
	BPA PROGRAM	1995	2001	5,010	5,010	.08350
	5,010					
	COLUMBIA BASIN	1957	2001	50	50	.05810
R	50					
	BONNEVILLE POWER ADMINISTRATION	1956	2001	33,508	33,508	.05810
R	33,508					
	BONNEVILLE POWER ADMINISTRATION	1956	2001	15,154	15,154	.05810
	15,154					
	COLUMBIA BASIN	1961	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1962	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1956	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1963	2001	50	50	.05810
R	50					



		Prtt.txt				
R	COLUMBIA BASIN	1964	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1965	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1955	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1966	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1958	2001	50	50	.05810
	50					

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1999 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
	COLUMBIA BASIN		1967	2001	50	50	.05810
R	50						
	COLUMBIA BASIN		1954	2001	50	50	.05810
R	50						
	COLUMBIA BASIN		1968	2001	50	50	.05810
R	50						
	COLUMBIA BASIN		1969	2001	50	50	.05810
R	50						
	COLUMBIA BASIN		1970	2001	50	50	.05810
R	50						
	COLUMBIA BASIN		1953	2001	50	50	.05810
R	50						
	COLUMBIA BASIN		1952	2001	50	50	.05810

		Prtt.txt				
R	50					
	COLUMBIA BASIN	1951	2001	1,494	1,494	.05810
	1,494					
	COLUMBIA BASIN	1971	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1972	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1973	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1985	2001	12	12	.05810
	12					
	COLUMBIA BASIN	1974	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1975	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1976	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1977	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1978	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1979	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1983	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1980	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1981	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1982	2001	50	50	.05810
R	50					
	BPA PROGRAM	1990	2030	1,149	118	.09250
	118					
	BPA PROGRAM	1990	2030	3,824	3,824	.09250
R	3,824					
	BPA PROGRAM	1990	2030	41,894	41,894	.09250
	41,894					
	BPA PROGRAM	1992	2032	147,521	54,511	.08800
	25,395					

		-----							
		TOTAL							
			128,009						
2002		BONNEVILLE POWER ADMINISTRATION	1957	2002	8,313	8,313	.05880		
		8,313							
		BONNEVILLE POWER ADMINISTRATION	1957	2002	16,745	16,745	.05880		
R		16,745							
		BPA PROGRAM	1992	2032	147,521	29,116	.08800		
		29,116							
		BPA PROGRAM	1993	2033	88,984	88,984	.08350		
		74,124							
		-----							
		TOTAL							
			128,298						

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1999 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

	PROJECT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	REPLACEMENT						
	-----	-----	-----	-----	-----	-----	-----
2003	HUNGRY HORSE		1982	2003	1	1	.05950
R		1					
	BONNEVILLE POWER ADMINISTRATION	16,434	1958	2003	16,434	16,434	.05950
	HUNGRY HORSE		1981	2003	1	1	.05950

		Prtt.txt					
R	1	BONNEVILLE POWER ADMINISTRATION	1958	2003	11,228	11,228	.05950
R	11,228	HUNGRY HORSE	1959	2003	1	1	.05950
R	1	HUNGRY HORSE	1960	2003	1	1	.05950
R	1	HUNGRY HORSE	1956	2003	1	1	.05950
R	1	HUNGRY HORSE	1961	2003	1	1	.05950
R	1	HUNGRY HORSE	1980	2003	1	1	.05950
R	1	HUNGRY HORSE	1957	2003	1	1	.05950
R	1	HUNGRY HORSE	1962	2003	1	1	.05950
R	1	HUNGRY HORSE	1963	2003	1	1	.05950
R	1	HUNGRY HORSE	1955	2003	1	1	.05950
R	1	HUNGRY HORSE	1979	2003	1	1	.05950
R	1	HUNGRY HORSE	1964	2003	1	1	.05950
R	1	HUNGRY HORSE	1965	2003	1	1	.05950
R	1	HUNGRY HORSE	1954	2003	1	1	.05950
R	1	HUNGRY HORSE	1966	2003	1	1	.05950
R	1	HUNGRY HORSE	1958	2003	1	1	.05950
R	1	HUNGRY HORSE	1978	2003	1	1	.05950
R	1	HUNGRY HORSE	1967	2003	1	1	.05950
R	1	HUNGRY HORSE	1968	2003	1	1	.05950
R	1						

		Prtt.txt				
	HUNGRY HORSE	1953	2003	516	516	.05950
	516					
R	HUNGRY HORSE	1969	2003	1	1	.05950
R	HUNGRY HORSE	1970	2003	1	1	.05950
R	HUNGRY HORSE	1971	2003	1	1	.05950
R	HUNGRY HORSE	1972	2003	1	1	.05950
R	HUNGRY HORSE	1973	2003	1	1	.05950
R	HUNGRY HORSE	1974	2003	1	1	.05950
R	HUNGRY HORSE	1977	2003	1	1	.05950
R	HUNGRY HORSE	1975	2003	1	1	.05950
R	HUNGRY HORSE	1983	2003	1	1	.05950
R	HUNGRY HORSE	1976	2003	1	1	.05950
	BPA PROGRAM	1993	2033	88,984	14,860	.08350
	14,860					
	BPA PROGRAM	1994	2034	50,000	50,000	.08200
	50,000					
	BPA PROGRAM	1992	2032	150,000	150,000	.08130
	37,928					
	-----					
	TOTAL					
	130,996					

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YEAR ----- INVESTMENT  
 PAID-----

(ALL AMOUNT IN \$1000)

YEAR	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2004	BONNEVILLE POWER ADMINISTRATION	8,647	1959	2004	8,647	8,647	.06000
	BONNEVILLE POWER ADMINISTRATION	9,395	1959	2004	9,395	9,395	.06000
R	BPA PROGRAM	112,072	1992	2032	150,000	112,072	.08130
	BPA PROGRAM	2,670	1993	2033	130,000	130,000	.07800
	TOTAL	132,784					
2005	BONNEVILLE POWER ADMINISTRATION	3,832	1960	2005	3,832	3,832	.06050
	BONNEVILLE POWER ADMINISTRATION	4,492	1960	2005	4,492	4,492	.06050
R	BPA PROGRAM	126,174	1993	2033	130,000	127,330	.07800
	TOTAL	134,498					
2006	BONNEVILLE POWER ADMINISTRATION	4,778	1961	2006	4,778	4,778	.06110
	BONNEVILLE POWER ADMINISTRATION	12,053	1961	2006	12,053	12,053	.06110
R	BPA PROGRAM		1993	2033	130,000	1,156	.07800

				1,156		
	BPA PROGRAM	1995	2025	65,000	65,000	.07700
				65,000		
	BPA PROGRAM	1995	2025	41,491	41,491	.07700
				41,491		
	BPA PROGRAM	1993	2033	100,000	100,000	.07500
				12,824		
	-----					
	TOTAL			137,302		
2007	BPA PROGRAM	1992	2007	107,700	107,700	.07250
				107,700		
	BONNEVILLE POWER ADMINISTRATION	1962	2007	21,088	21,088	.06130
				21,088		
	BONNEVILLE POWER ADMINISTRATION	1962	2007	5,248	5,248	.06130
R				5,248		
	BPA PROGRAM	1993	2033	100,000	87,176	.07500
				10,207		
	-----					
	TOTAL			144,243		
2008	YAKIMA-ROZA	1958	2008	175	175	.06150
				175		
	MINIDOKA	1980	2008	22	22	.06150
R				22		
	MINIDOKA	1982	2008	21	21	.06150
R				21		
	MINIDOKA	1979	2008	21	21	.06150
R				21		
	BONNEVILLE POWER ADMINISTRATION	1963	2008	5,283	5,283	.06150
				5,283		
	BONNEVILLE POWER ADMINISTRATION	1963	2008	4,692	4,692	.06150
R				4,692		
	BONNEVILLE POWER ADMINISTRATION	1963	2008	978	978	.06150
				978		

		Prtt.txt				
R	MINIDOKA	1983	2008	22	22	.06150
	22					
R	BONNEVILLE POWER ADMINISTRATION	1963	2008	869	869	.06150
	869					
R	MINIDOKA	1981	2008	22	22	.06150
	22					
R	MINIDOKA	1978	2008	22	22	.06150
	22					
	BPA PROGRAM	1993	2033	100,000	76,969	.07500
	76,969					
	BPA PROGRAM	1996	2041	148,702	148,702	.07240
	50,596					
-----						
	TOTAL					
	139,692					

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1999 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____	_____
2009	BONNEVILLE POWER ADMINISTRATION	4,996	1964	2009	4,996	4,996	.05160
	4,996						
R	BONNEVILLE POWER ADMINISTRATION	6,907	1964	2009	6,907	6,907	.05160
	6,907						
	BPA PROGRAM	98,106	1996	2041	148,702	98,106	.07240
	98,106						



		Prtt.txt				
	BPA PROGRAM	1994	2034	50,000	50,000	.07050
	30,659					
	-----					
	TOTAL					
	140,668					
2010	FISH, WILDLIFE & ENVIRONMENTAL	1995	2010	12,100	12,100	.07200
	12,100					
	BONNEVILLE POWER ADMINISTRATION	1965	2010	4,064	4,064	.06180
	4,064					
R	BONNEVILLE POWER ADMINISTRATION	1965	2010	7,948	7,948	.06180
	7,948					
	BONNEVILLE POWER ADMINISTRATION	1965	2010	5,701	5,701	.06180
	5,701					
R	BONNEVILLE POWER ADMINISTRATION	1965	2010	11,146	11,146	.06180
	11,146					
	BPA PROGRAM	1994	2034	50,000	19,341	.07050
	19,341					
	BPA PROGRAM	1993	2033	110,000	110,000	.06950
	83,259					
	-----					
	TOTAL					
	143,559					
2011	FISH, WILDLIFE & ENVIRONMENTAL	1996	2011	15,000	15,000	.06950
	15,000					
	BONNEVILLE POWER ADMINISTRATION	1966	2011	13,047	13,047	.06200
	13,047					
R	BONNEVILLE POWER ADMINISTRATION	1966	2011	3,363	3,363	.06200
	3,363					
	BONNEVILLE POWER ADMINISTRATION	1966	2011	7,326	7,326	.06200
	7,326					
R	BONNEVILLE POWER ADMINISTRATION	1966	2011	1,889	1,889	.06200
	1,889					
	BPA PROGRAM	1993	2033	110,000	26,741	.06950
	26,741					
	BPA PROGRAM	1997	2042	124,330	124,330	.06930

76,092

TOTAL

143,458

2012	ICE HARBOR		1983	2012	1	1	.06220
R		1					
	ICE HARBOR		1981	2012	1	1	.06220
R		1					
	ICE HARBOR		1982	2012	1	1	.06220
R		1					
	ICE HARBOR		1974	2012	1	1	.06220
R		1					
	ICE HARBOR		1976	2012	1	1	.06220
R		1					
	ICE HARBOR		1980	2012	1	1	.06220
R		1					
	ICE HARBOR		1975	2012	1	1	.06220
R		1					
	ICE HARBOR		1962	2012	548	548	.06220
		548					
	FISH, WILDLIFE & ENVIRONMENTAL		1997	2012	12,200	12,200	.06600
		12,200					
	ICE HARBOR		1972	2012	1	1	.06220
R		1					
	ICE HARBOR		1979	2012	1	1	.06220
R		1					
	ICE HARBOR		1963	2012	1	1	.06220
R		1					
	ICE HARBOR		1964	2012	1	1	.06220
R		1					
	ICE HARBOR		1965	2012	1	1	.06220
R		1					

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YEAR ----- INVESTMENT  
 PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+							
	ICE HARBOR		1978	2012	1	1	.06220
R		1					
	ICE HARBOR		1966	2012	1	1	.06220
R		1					
	ICE HARBOR		1973	2012	1	1	.06220
R		1					
	ICE HARBOR		1971	2012	1	1	.06220
R		1					
	ICE HARBOR		1967	2012	1	1	.06220
R		1					
	BONNEVILLE POWER ADMINISTRATION		1967	2012	21,053	21,053	.06220
		21,053					
	BONNEVILLE POWER ADMINISTRATION		1967	2012	5,059	5,059	.06220
R		5,059					
	BONNEVILLE POWER ADMINISTRATION		1967	2012	15,843	15,843	.06220
		15,843					
	BONNEVILLE POWER ADMINISTRATION		1967	2012	3,807	3,807	.06220
R		3,807					
	ICE HARBOR		1977	2012	1	1	.06220
R		1					
	ICE HARBOR		1968	2012	1	1	.06220
R		1					
	ICE HARBOR		1970	2012	1	1	.06220
R		1					
	ICE HARBOR		1969	2012	1	1	.06220
R		1					
	BPA PROGRAM		1997	2042	124,330	48,238	.06930
		48,238					

		Prtt.txt				
	BPA PROGRAM	1994	2034	35,722	35,722	.06850
	35,722					
	BPA PROGRAM	1994	2033	108,400	108,400	.06850
	2,209					
	-----					
	TOTAL					
	144,700					
2013	FISH, WILDLIFE & ENVIRONMENTAL	1998	2013	11,200	11,200	.06400
	11,200					
	BONNEVILLE POWER ADMINISTRATION	1968	2013	45,776	45,776	.06240
	45,776					
R	BONNEVILLE POWER ADMINISTRATION	1968	2013	9,001	9,001	.06240
	9,001					
	BONNEVILLE POWER ADMINISTRATION	1968	2013	25,861	25,861	.06240
	25,861					
R	BONNEVILLE POWER ADMINISTRATION	1968	2013	5,085	5,085	.06240
	5,085					
	BPA PROGRAM	1994	2033	108,400	106,191	.06850
	49,645					
	-----					
	TOTAL					
	146,568					
2014	FISH, WILDLIFE & ENVIRONMENTAL	1999	2014	11,500	11,500	.06380
	11,500					
R	BONNEVILLE POWER ADMINISTRATION	1969	2014	229	229	.06260
	229					
	BONNEVILLE POWER ADMINISTRATION	1969	2014	430	430	.06260
	430					
R	BONNEVILLE POWER ADMINISTRATION	1969	2014	25,239	25,239	.06260
	25,239					
	BONNEVILLE POWER ADMINISTRATION	1969	2014	47,301	47,301	.06260
	47,301					
	BPA PROGRAM	1994	2033	108,400	56,546	.06850
	56,546					
	BPA PROGRAM	1998	2043	121,417	121,417	.06720

4,598

TOTAL

145,843

1

96 FINAL RATE FILING APPLICATION OF AMORTIZATION

TRANSMISSION FY 1999

REPAYMENT STUDY FOR 19

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

+	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2015	BONNEVILLE POWER ADMINISTRATION	3,380	1970	2015	3,380	3,380	.06280
R	BONNEVILLE POWER ADMINISTRATION	27,471	1970	2015	27,471	27,471	.06280
	BONNEVILLE POWER ADMINISTRATION	8,997	1970	2015	8,997	8,997	.06280
R	BONNEVILLE POWER ADMINISTRATION	73,118	1970	2015	73,118	73,118	.06280
	BPA PROGRAM	33,109	1998	2043	121,417	116,819	.06720
	TOTAL	146,075					
2016	BONNEVILLE POWER ADMINISTRATION	19,910	1971	2016	19,910	19,910	.06300
R							

		Prtt.txt					
	BONNEVILLE POWER ADMINISTRATION	1971	2016	13,476	13,476	.06300	
	13,476						
R	BONNEVILLE POWER ADMINISTRATION	1971	2016	20,054	20,054	.06300	
	20,054						
	BONNEVILLE POWER ADMINISTRATION	1971	2016	13,574	13,574	.06300	
	13,574						
	BPA PROGRAM	1998	2043	121,417	83,710	.06720	
	76,520						

-----  
TOTAL  
143,534

2017	BONNEVILLE POWER ADMINISTRATION	1972	2017	3,206	3,206	.06320
R	3,206					
	BONNEVILLE POWER ADMINISTRATION	1972	2017	4,442	4,442	.06320
	4,442					
R	BONNEVILLE POWER ADMINISTRATION	1972	2017	23,677	23,677	.06320
	23,677					
	BONNEVILLE POWER ADMINISTRATION	1972	2017	32,799	32,799	.06320
	32,799					
	BPA PROGRAM	1998	2043	121,417	7,190	.06720
	7,190					
	ICE HARBOR	1976	2026	250	250	.06490
	250					
	COLUMBIA BASIN- 3RD POWER HOUSE	1976	2026	8,834	8,834	.06490
	8,834					
	COLUMBIA BASIN- 3RD POWER HOUSE	1977	2027	8,761	8,761	.06490
	8,761					
	COLUMBIA BASIN- 3RD POWER HOUSE	1978	2028	8,692	8,692	.06490
	8,692					
	COLUMBIA BASIN- 3RD POWER HOUSE	1979	2029	17,254	17,254	.06490
	17,254					
	BONNEVILLE - 2ND POWER HOUSE	1981	2031	502	502	.06490
	502					
	BONNEVILLE - 2ND POWER HOUSE	1982	2032	2,495	2,495	.06490
	2,495					
	COLUMBIA BASIN- 3RD POWER HOUSE	1984	2033	3,486	3,486	.06490
	3,486					

	Prtt.txt					
BONNEVILLE - 2ND POWER HOUSE	1983	2033	765	765	.06490	
765						
COLUMBIA BASIN- 3RD POWER HOUSE	1986	2033	2,041	2,041	.06490	
2,041						
COLUMBIA BASIN- 3RD POWER HOUSE	1988	2033	2,531	2,531	.06490	
2,531						
COLUMBIA BASIN- 3RD POWER HOUSE	1985	2033	2,273	2,273	.06490	
2,273						
COLUMBIA BASIN- 3RD POWER HOUSE	1987	2033	1,908	1,908	.06490	
1,908						
COLUMBIA BASIN- 3RD POWER HOUSE	1975	2025	8,202	8,202	.06470	
8,202						
BPA PROGRAM	1999	2044	133,721	133,721	.06610	
5,913						
-----						
TOTAL						145,221

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1999 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	-----	-----	-----	-----	-----	-----	-----
2018	BONNEVILLE POWER ADMINISTRATION	24,141	1973	2018	24,141	24,141	.06340
R	BONNEVILLE POWER ADMINISTRATION	18,212	1973	2018	18,212	18,212	.06340

			Prtt.txt				
	R	BONNEVILLE POWER ADMINISTRATION	1973	2018	11,673	11,673	.06340
		11,673					
		BONNEVILLE POWER ADMINISTRATION	1973	2018	37,664	37,664	.06340
		37,664					
		BPA PROGRAM	1999	2044	133,721	127,808	.06610
		50,966					
		-----					
		TOTAL					
		142,656					
2019		BONNEVILLE POWER ADMINISTRATION	1974	2019	13,421	13,421	.06360
		13,421					
	R	BONNEVILLE POWER ADMINISTRATION	1974	2019	23,314	23,314	.06360
		23,314					
	R	BONNEVILLE POWER ADMINISTRATION	1974	2019	24,283	24,283	.06360
		24,283					
		BONNEVILLE POWER ADMINISTRATION	1974	2019	13,977	13,977	.06360
		13,977					
		BPA PROGRAM	1999	2044	133,721	76,842	.06610
		65,803					
		-----					
		TOTAL					
		140,798					
2020		BONNEVILLE POWER ADMINISTRATION	1975	2020	13,020	13,020	.06380
	R	13,020					
		BONNEVILLE POWER ADMINISTRATION	1975	2020	35,527	35,527	.06380
		35,527					
		BONNEVILLE POWER ADMINISTRATION	1975	2020	19,025	19,025	.06380
		19,025					
	R	BONNEVILLE POWER ADMINISTRATION	1975	2020	24,312	24,312	.06380
		24,312					
		BPA PROGRAM	1999	2044	133,721	11,039	.06610
		11,039					
		BPA PROGRAM	2000	2045	111,276	111,276	.06610
	R	36,967					



-----  
 TOTAL  
 139,890

2021	BONNEVILLE POWER ADMINISTRATION	1976	2021	67,534	67,534	.06390
	67,534					
R	BONNEVILLE POWER ADMINISTRATION	1976	2021	2,447	2,447	.06390
	2,447					
R	BPA PROGRAM	2000	2045	111,276	74,309	.06610
	67,461					

-----  
 TOTAL  
 137,442

2022	BONNEVILLE POWER ADMINISTRATION	1977	2022	37,113	37,113	.06410
	37,113					
R	YAKIMA-CHANDLER	1967	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1974	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1969	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1976	2022	1	1	.06410
	1					
R	BONNEVILLE POWER ADMINISTRATION	1977	2022	9,613	9,613	.06410
	9,613					
R	YAKIMA-CHANDLER	1963	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1966	2022	1	1	.06410
	1					
R	BONNEVILLE POWER ADMINISTRATION	1977	2022	5,934	5,934	.06410
	5,934					
R	YAKIMA-CHANDLER	1977	2022	1	1	.06410
	1					
R	BONNEVILLE POWER ADMINISTRATION	1977	2022	4,354	4,354	.06410
	4,354					
R	YAKIMA-CHANDLER	1964	2022	1	1	.06410
	1					

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APPLICATION OF AMORTIZATION  
96 FINAL RATE FILING

TRANSMISSION FY 1999

REPAYMENT STUDY FOR 19

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+						
R	YAKIMA-CHANDLER 1	1962	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1972	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1965	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1975	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1970	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1959	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1961	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1971	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1973	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1968	2022	1	1	.06410
	YAKIMA-CHANDLER 242	1956	2022	242	242	.06410
	YAKIMA-CHANDLER	1960	2022	1	1	.06410

R		1					
	BPA PROGRAM		2000	2045	111,276	6,848	.06610
R		6,848					
	BPA PROGRAM		2001	2046	114,987	114,987	.06610
R		70,936					
	-----						
	TOTAL						
		135,059					
2023	DWORSHAK		1983	2023	4	4	.06430
R		4					
	DWORSHAK		1974	2023	4	4	.06430
R		4					
	DWORSHAK		1982	2023	4	4	.06430
R		4					
	DWORSHAK		1979	2023	4	4	.06430
R		4					
	DWORSHAK		1980	2023	4	4	.06430
R		4					
	DWORSHAK		1975	2023	4	4	.06430
R		4					
	DWORSHAK		1978	2023	4	4	.06430
R		4					
	DWORSHAK		1976	2023	4	4	.06430
R		4					
	DWORSHAK		1981	2023	4	4	.06430
R		4					
	DWORSHAK		1977	2023	4	4	.06430
R		4					
	DWORSHAK		1973	2023	896	896	.06430
		896					
	BPA PROGRAM		2001	2046	114,987	44,051	.06610
R		44,051					
	BPA PROGRAM		2002	2047	118,592	118,592	.06610
R		86,030					
	-----						
	TOTAL						



	R	97,953					
		-----					
		TOTAL					
		123,071					
2027		BPA PROGRAM	2005	2050	128,318	30,365	.06610
	R	30,365					
		BPA PROGRAM	2006	2051	131,403	131,403	.06610
	R	89,542					
		-----					
		TOTAL					
		119,907					
2028		BPA PROGRAM	2006	2051	131,403	41,861	.06610
	R	41,861					
		BPA PROGRAM	2007	2052	134,333	134,333	.06610
	R	74,595					
		-----					
		TOTAL					
		116,456					
2029		BPA PROGRAM	2007	2052	134,333	59,738	.06610
	R	59,738					
		BPA PROGRAM	2008	2053	136,976	136,976	.06610
	R	52,960					
		-----					
		TOTAL					
		112,698					
2030		BPA PROGRAM	2008	2053	136,976	84,016	.06610
	R	84,016					
		BPA PROGRAM	2009	2054	139,318	139,318	.06610
	R	24,593					
		-----					

	TOTAL						
		108,609					
2031	BPA PROGRAM		2009	2054	139,318	114,725	.06610
	R	104,149					
		-----					
	TOTAL						
		104,149					
2032	BPA PROGRAM		2009	2054	139,318	10,576	.06610
	R	10,576					
	BPA PROGRAM		2010	2055	141,271	141,271	.06610
	R	88,704					
		-----					
	TOTAL						
		99,280					
2033	BPA PROGRAM		2010	2055	141,271	52,567	.06610
	R	52,567					
	BPA PROGRAM		2011	2056	143,097	143,097	.06610
	R	41,470					
		-----					
	TOTAL						
		94,037					

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APPLICATION OF AMORTIZATION                      TRANSMISSION FY 1999                      REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR                      -----INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	Prtt.txt IN-SERVICE	DUE	GROSS	NET	RATE
+							
2034	BPA PROGRAM R	88,340	2011	2056	143,097	101,627	.06610
	TOTAL	88,340					
2035	BPA PROGRAM R	13,287	2011	2056	143,097	13,287	.06610
	BPA PROGRAM R	68,842	2012	2057	144,955	144,955	.06610
	TOTAL	82,129					
2036	BPA PROGRAM R	75,488	2012	2057	144,955	76,113	.06610
	TOTAL	75,488					
2037	BPA PROGRAM R	625	2012	2057	144,955	625	.06610
	BPA PROGRAM R	67,597	2013	2058	146,849	146,849	.06610
	TOTAL	68,222					
2038	BPA PROGRAM R	60,479	2013	2058	146,849	79,252	.06610

		-----					
		TOTAL					
		60,479					
2039	BPA PROGRAM		2013	2058	146,849	18,773	.06610
R	18,773						
	BPA PROGRAM		2014	2059	148,770	148,770	.06610
R	33,318						
		-----					
		TOTAL					
		52,091					
2040	BPA PROGRAM		2014	2059	148,770	115,452	.06610
R	43,097						
		-----					
		TOTAL					
		43,097					
2041	BPA PROGRAM		2014	2059	148,770	72,355	.06610
R	33,459						
		-----					
		TOTAL					
		33,459					
2042	BPA PROGRAM		2014	2059	148,770	38,896	.06610
R	23,109						
		-----					
		TOTAL					
		23,109					
2043	BPA PROGRAM		2014	2059	148,770	15,787	.06610
R	11,991						
		-----					



TOTAL  
11,991

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APPLICATION OF AMORTIZATION TRANSMISSION FY 1999 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2044	BPA PROGRAM	2014	2059	148,770	3,796	.06610
R	58					
-----						
	TOTAL					
	58					

0 GRAND TOTAL  
5,377,431  
0 TOTAL DEFERRAL  
0

0 NET  
5,377,431

1

1 INPUT CARDS ONLY

N1 REPAYMENT STUDY FOR 1996 FINAL RATE FILING

N2 OCTOBER 1,1999 - SEPTEMBER 30,2000 COST EVALUATION PERIOD

N3 REPAY 00 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT

NO TRANSMISSION

11996	0	0	0	200020452045	
OHISTORICAL YEAR:					1996
HISTORICAL CUMULATIVE REVENUES:					0
HISTORICAL CUMULATIVE PURCHASE & EXCHANGE:					0
HISTORICAL CUMULATIVE IRRIGATION INVESTMENT:					0
YEAR OF THE RATE CHANGE:					2000
LAST YEAR OF REPAYMENT PERIOD:					2045

INTEREST RATES OF INTEREST INCOME

1X07495 07492 07449 07321

INTEREST RATES OF NEW DEFERRALS

1Y06500 06250 06000 05875

OPERATING YEAR FACTORS

1F75000 75000 75000 75000

PROJECTED REVENUE

21997	332119	334432	338643	335220	335220	335220	335220	2346074
22003	335220	335220	335220	335220	335220	335220	335220	2346540
22010	335220	335220	335220	335220	335220	335220	335220	2346540
22017	335220	335220	335220	335220	335220	335220	335220	2346540
22024	335220	335220	335220	335220	335220	335220	335220	2346540
22031	335220	335220	335220	335220	335220	335220	335220	2346540
22038	335220	335220	335220	335220	335220	335220	335220	2346540
22045	335220	335220	335220	335220	335220	335220	335220	2346540
	2678659	2680972	2685183	2681760	2681760	2681760	2681760	18771854 = TOT

AL FOR 2

PROJECTED IRRIGATION ASSISTANCE

NEW INVESTMENT	NEW INVESTMENT	NEW INVESTMENT
-------------------	-------------------	-------------------

31997	0	0	0	0	0	0	0	0
31999	0	0	0	0	0	0	0	0
32002	0	0	0	0	0	0	0	0
32005	0	0	0	0	0	0	0	0
32008	0	0	0	0	0	0	0	0
32011	0	0	0	0	0	0	0	0
32014	0	0	0	0	0	0	0	0
32017	0	0	0	0	0	0	0	0
32020	0	0	0	0	0	0	0	0
32023	0	0	0	0	0	0	0	0
32026	0	0	0	0	0	0	0	0
32029	0	0	0	0	0	0	0	0
32032	0	0	0	0	0	0	0	0
32035	0	0	0	0	0	0	0	0
32038	0	0	0	0	0	0	0	0
32041	0	0	0	0	0	0	0	0
32044	0	0	0	0	0	0	0	0
32047	0	0	0	0	0	0	0	0
32050	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0 = TOT

AL FOR 3

CAPITALIZED CONTRACTUAL OBLIGATIONS

41997	0	0	0	0	-1031	-1062	-1094	-3187
42004	-1124	-1154	-1184	-1213	-1241	-1269	-1297	-8482
42011	-1323	-1349	-1375	-1400	-1424	-1448	-1471	-9790
42018	-1494	-1516	-1537	-1558	-1577	-1596	-1614	-10892
42025	-1633	-1649	-1664	-1679	-1693	-1705	-1715	-11738
42032	-1725	-1734	-1740	-1745	-1750	-1750	-1746	-12190
42039	-1741	-1735	-1732	-1730	-1728	-1729	-1746	-12141
	-9040	-9137	-9232	-9325	-10444	-10559	-10683	-68420 = TOT

AL FOR 4

5 ALBE  
5 BOIS

ALBENI FALLS  
BOISE

Prtt.txt

5	BON2	BONNEVILLE - 2ND POWER HOUSE
5	BONN	BONNEVILLE
5	CHIE	CHIEF JOSEPH
5	COL3	COLUMBIA BASIN- 3RD POWER HOUSE
5	COLU	COLUMBIA BASIN
5	COUG	COUGAR
5	CRFB	COLUMBIA RIVER FISH MITIGATION
5	DETR	DETROIT-BIG CLIFF
5	DWOR	DWORSHAK
5	GREE	GREEN PETER-FOSTER
5	HILL	HILLS CREEK
5	HUNG	HUNGRY HORSE
5	ICEH	ICE HARBOR
5	JOHN	JOHN DAY
5	LIBB	LIBBY
5	LITT	LITTLE GOOSE
5	LOOK	LOOKOUT POINT-DEXTER
5	LOST	LOST CREEK
5	LOWG	LOWER GRANITE
5	LOWM	LOWER MONUMENTAL
5	LSFW	LOWER SNAKE F AND W
5	MCNA	MCNARY
5	MINI	MINIDOKA
5	STRU	STRUBE
5	THED	THE DALLEES
5	YAKC	YAKIMA-CHANDLER
5	YAKR	YAKIMA-ROZA
5	ZABF	BPA PROGRAM
5	ZADB	BUREAU DIRECT FUND
5	ZAFW	FISH, WILDLIFE & ENVIRONMENTAL
5	ZBPA	BONNEVILLE POWER ADMINISTRATION

HISTORICAL

	O & M	INTEREST	
5	ALBEX	0	0
5	BOISX	0	0
5	BONNX	0	0
5	CHIEX	0	0
5	COLUX	0	0

5	COUGX	0	0	0
5	DETRX	0	0	0
5	DWORX	0	0	0
5	GREEX	0	0	0
5	HILLX	0	0	0
5	HUNGX	0	0	0
5	ICEHX	0	0	0
5	JOHNX	0	0	0
5	LIBBX	0	0	0
5	LITTX	0	0	0
5	LOOKX	0	0	0
5	LOSTX	0	0	0
5	LOWGX	0	0	0
5	LOWMX	0	0	0
5	MCNAX	0	0	0
5	MINIX	0	0	0
5	THEDX	0	0	0
5	YAKCX	0	0	0
5	YAKRX	0	0	0
5	ZBPAX	0	0	0
5	ZACOX	0	0	0
		0	0	0 = TOT

AL FOR 5

PROJECTED O & M

61996ALBE	0
61996BONN	81
61997BONN	81
61998BONN	85
61999BONN	85
62000BONN	87
61996CHIE	0
61996COUG	0
61996DETR	0
61996DWOR	32
61997DWOR	32
61998DWOR	35
61999DWOR	36

62000DWOR	38
61996GREE	0
61996HILL	0
61996ICEH	43
61997ICEH	43
61998ICEH	47
61999ICEH	48
62000ICEH	50
61996JOHN	0
61996LIBB	0
61996LITT	0
61996LOOK	0
61996LOST	0
61996LOWG	0
61996LOWM	0
61996MCNA	0
61996THED	0
61996BOIS	174
61997BOIS	173
61998BOIS	188
61999BOIS	154
62000BOIS	131
61996COLU	3915
61997COLU	3847
61998COLU	4184
61999COLU	4344
62000COLU	4469
61996HUNG	20
61997HUNG	19
61998HUNG	20
61999HUNG	20
62000HUNG	21
61996MINI	271
61997MINI	107
61998MINI	74
61999MINI	77
62000MINI	79
61996YAKC	98
61997YAKC	98

61998YAKC 109  
 61999YAKC 114  
 62000YAKC 116  
 61996YAKR 97  
 61997YAKR 98  
 61998YAKR 109  
 61999YAKR 113  
 62000YAKR 116  
 61996LSFW 0  
 24178

24178 = TOT

AL FOR 6

61994ZABF 0  
 0

0 = TOT

AL FOR 6

HISTORICAL FEDERAL INVESTMENTS

			ORIGINAL	CURRENT	INTEREST	DUE	INSERVICE	CALENDAR
	PROJECT		PRINCIPAL	PRINCIPAL	RATE	DATE	DATE	MONTH
6	1996	BOIS X	285	0	.03000	1962	1912	
6	1996	BOIS X	190	0	.03000	1976	1926	
6	1996	BOIS X	95	0	.03000	2000	1950	
6	1996	BOIS X	428	0	.03000	2001	1951	
6	1996	BOIS X	3	0	.03000	2001 R	1952	
6	1996	BOIS X	3	0	.03000	2001 R	1953	
6	1996	BOIS X	3	0	.03000	2001 R	1954	
6	1996	BOIS X	3	0	.03000	2001 R	1955	
6	1996	BOIS X	3	0	.03000	2001 R	1956	
6	1996	BOIS X	3	0	.03000	2001 R	1957	
6	1996	BOIS X	3	0	.03000	2001 R	1958	
6	1996	BOIS X	3	0	.03000	2001 R	1959	
6	1996	BOIS X	3	0	.03000	2001 R	1960	
6	1996	BOIS X	3	0	.03000	2001 R	1961	
6	1996	BOIS X	3	0	.03000	2001 R	1962	

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6	1996	BOIS	X	3	0	.03000	2001	R	1963
6	1996	BOIS	X	3	0	.03000	2001	R	1964
6	1996	BOIS	X	3	0	.03000	2001	R	1965
6	1996	BOIS	X	3	0	.03000	2001	R	1966
6	1996	BOIS	X	3	0	.03000	2001	R	1967
6	1996	BOIS	X	3	0	.03000	2001	R	1968
6	1996	BOIS	X	3	0	.03000	2001	R	1969
6	1996	BOIS	X	3	0	.03000	2001	R	1970
6	1996	BOIS	X	3	0	.03000	2001	R	1971
6	1996	BOIS	X	3	0	.03000	2001	R	1972
6	1996	BOIS	X	3	0	.03000	2001	R	1973
6	1996	BOIS	X	3	0	.03000	2001	R	1974
6	1996	BOIS	X	3	0	.03000	2001	R	1975
6	1996	BOIS	X	3	0	.03000	2001	R	1976
6	1996	BOIS	X	3	0	.03000	2001	R	1977
6	1996	BOIS	X	3	0	.03000	2001	R	1978
6	1996	BOIS	X	3	0	.03000	2001	R	1979
6	1996	BOIS	X	4	0	.03000	2001	R	1980
6	1996	BOIS	X	2	0	.03000	2001	R	1981
6	1996	BOIS	X	1	0	.03000	2001	R	1982
6	1996	BOIS	X	2	0	.03000	2001	R	1983
6	1996	BOIS	X	303	0	.10750	2001	R	1984
6	1996	BON2	X	502	502	.06490	2031	A	1981
6	1996	BON2	X	2495	2495	.06490	2032	A	1982
6	1996	BON2	X	765	765	.06490	2033	A	1983
6	1996	BONN	X	130	0	.02500	1988		1938
6	1996	BONN	X	196	0	.02500	1991		1941
6	1996	BONN	X	65	0	.02500	1992		1942
6	1996	BONN	X	196	0	.02500	1993		1943
6	1996	BONN	X	65	0	.02500	1994		1944
6	1996	BONN	X	1	0	.02500	1994	R	1945
6	1996	BONN	X	1	0	.02500	1994	R	1946
6	1996	BONN	X	1	0	.02500	1994	R	1947
6	1996	BONN	X	1	0	.02500	1994	R	1948
6	1996	BONN	X	1	0	.02500	1994	R	1949
6	1996	BONN	X	1	0	.02500	1994	R	1950
6	1996	BONN	X	1	0	.02500	1994	R	1951
6	1996	BONN	X	1	0	.02500	1994	R	1952
6	1996	BONN	X	1	0	.02500	1994	R	1953



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6	1996	BONN	X	1	0	.02500	1994	R	1954
6	1996	BONN	X	1	0	.02500	1994	R	1955
6	1996	BONN	X	1	0	.02500	1994	R	1956
6	1996	BONN	X	1	0	.02500	1994	R	1957
6	1996	BONN	X	1	0	.02500	1994	R	1958
6	1996	BONN	X	1	0	.02500	1994	R	1959
6	1996	BONN	X	1	0	.02500	1994	R	1960
6	1996	BONN	X	1	0	.02500	1994	R	1961
6	1996	BONN	X	1	0	.02500	1994	R	1962
6	1996	BONN	X	1	0	.02500	1994	R	1963
6	1996	BONN	X	1	0	.02500	1994	R	1964
6	1996	BONN	X	1	0	.02500	1994	R	1965
6	1996	BONN	X	1	0	.02500	1994	R	1966
6	1996	BONN	X	1	0	.02500	1994	R	1967
6	1996	BONN	X	1	0	.02500	1994	R	1968
6	1996	BONN	X	1	0	.02500	1994	R	1969
6	1996	BONN	X	1	0	.02500	1994	R	1970
6	1996	BONN	X	1	0	.02500	1994	R	1971
6	1996	BONN	X	1	0	.02500	1994	R	1972
6	1996	BONN	X	1	0	.02500	1994	R	1973
6	1996	BONN	X	1	0	.02500	1994	R	1974
6	1996	BONN	X	1	0	.02500	1994	R	1975
6	1996	BONN	X	1	0	.02500	1994	R	1976
6	1996	BONN	X	1	0	.02500	1994	R	1977
6	1996	BONN	X	1	0	.02500	1994	R	1978
6	1996	BONN	X	1	0	.02500	1994	R	1979
6	1996	BONN	X	1	0	.02500	1994	R	1980
6	1996	BONN	X	1	0	.02500	1994	R	1981
6	1996	BONN	X	1	0	.02500	1994	R	1982
6	1996	BONN	X	1	0	.02500	1994	R	1983
6	1996	BONN	X	10	0	.10750	1994	R	1984
6	1996	COL3	X	9469	8202	.06470	2025	A	1975
6	1996	COL3	X	8834	8834	.06490	2026	A	1976
6	1996	COL3	X	8761	8761	.06490	2027	A	1977
6	1996	COL3	X	8692	8692	.06490	2028	A	1978
6	1996	COL3	X	17254	17254	.06490	2029	A	1979
6	1996	COL3	X	3486	3486	.06490	2033	A	1984
6	1996	COL3	X	2273	2273	.06490	2033	A	1985
6	1996	COL3	X	2041	2041	.06490	2033	A	1986

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6	1996	COL3	X	1908	1908	.06490	2033	A	1987
6	1996	COL3	X	2531	2531	.06490	2033	A	1988
6	1996	COLU	X	1505	0	.03000	1991		1941
6	1996	COLU	X	3011	0	.03000	1992		1942
6	1996	COLU	X	1505	0	.03000	1993		1943
6	1996	COLU	X	3011	0	.03000	1994		1944
6	1996	COLU	X	4516	0	.03000	1998		1948
6	1996	COLU	X	4516	0	.03000	1999		1949
6	1996	COLU	X	3011	0	.03000	2000		1950
6	1996	COLU	X	5847	1494	.05810	2001		1951
6	1996	COLU	X	50	50	.05810	2001	R	1952
6	1996	COLU	X	50	50	.05810	2001	R	1953
6	1996	COLU	X	50	50	.05810	2001	R	1954
6	1996	COLU	X	50	50	.05810	2001	R	1955
6	1996	COLU	X	50	50	.05810	2001	R	1956
6	1996	COLU	X	50	50	.05810	2001	R	1957
6	1996	COLU	X	50	50	.05810	2001	R	1958
6	1996	COLU	X	50	50	.05810	2001	R	1959
6	1996	COLU	X	50	50	.05810	2001	R	1960
6	1996	COLU	X	50	50	.05810	2001	R	1961
6	1996	COLU	X	50	50	.05810	2001	R	1962
6	1996	COLU	X	50	50	.05810	2001	R	1963
6	1996	COLU	X	50	50	.05810	2001	R	1964
6	1996	COLU	X	50	50	.05810	2001	R	1965
6	1996	COLU	X	50	50	.05810	2001	R	1966
6	1996	COLU	X	50	50	.05810	2001	R	1967
6	1996	COLU	X	50	50	.05810	2001	R	1968
6	1996	COLU	X	50	50	.05810	2001	R	1969
6	1996	COLU	X	50	50	.05810	2001	R	1970
6	1996	COLU	X	50	50	.05810	2001	R	1971
6	1996	COLU	X	50	50	.05810	2001	R	1972
6	1996	COLU	X	50	50	.05810	2001	R	1973
6	1996	COLU	X	50	50	.05810	2001	R	1974
6	1996	COLU	X	50	50	.05810	2001	R	1975
6	1996	COLU	X	50	50	.05810	2001	R	1976
6	1996	COLU	X	50	50	.05810	2001	R	1977
6	1996	COLU	X	50	50	.05810	2001	R	1978
6	1996	COLU	X	50	50	.05810	2001	R	1979
6	1996	COLU	X	50	50	.05810	2001	R	1980

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6	1996	COLU	X	50	50	.05810	2001	R	1981
6	1996	COLU	X	50	50	.05810	2001	R	1982
6	1996	COLU	X	50	50	.05810	2001	R	1983
6	1996	COLU	X	1455	0	.10750	2001	R	1984
6	1996	COLU	X	362	0	.12375	2001	R	1985
6	1996	COLU	X	12	12	.05810	2001		1985
6	1996	COLU	X	2	0	.08500	2001	R	1988
6	1996	COLU	X	652	0	.08500	2001		1992
6	1996	DWOR	X	929	896	.06430	2023		1973
6	1996	DWOR	X	4	4	.06430	2023	R	1974
6	1996	DWOR	X	4	4	.06430	2023	R	1975
6	1996	DWOR	X	4	4	.06430	2023	R	1976
6	1996	DWOR	X	4	4	.06430	2023	R	1977
6	1996	DWOR	X	4	4	.06430	2023	R	1978
6	1996	DWOR	X	4	4	.06430	2023	R	1979
6	1996	DWOR	X	4	4	.06430	2023	R	1980
6	1996	DWOR	X	4	4	.06430	2023	R	1981
6	1996	DWOR	X	4	4	.06430	2023	R	1982
6	1996	DWOR	X	4	4	.06430	2023	R	1983
6	1996	DWOR	X	15	0	.10750	2023	R	1984
6	1996	HUNG	X	2152	516	.05950	2003		1953
6	1996	HUNG	X	1	1	.05950	2003	R	1954
6	1996	HUNG	X	1	1	.05950	2003	R	1955
6	1996	HUNG	X	1	1	.05950	2003	R	1956
6	1996	HUNG	X	1	1	.05950	2003	R	1957
6	1996	HUNG	X	1	1	.05950	2003	R	1958
6	1996	HUNG	X	1	1	.05950	2003	R	1959
6	1996	HUNG	X	1	1	.05950	2003	R	1960
6	1996	HUNG	X	1	1	.05950	2003	R	1961
6	1996	HUNG	X	1	1	.05950	2003	R	1962
6	1996	HUNG	X	1	1	.05950	2003	R	1963
6	1996	HUNG	X	1	1	.05950	2003	R	1964
6	1996	HUNG	X	1	1	.05950	2003	R	1965
6	1996	HUNG	X	1	1	.05950	2003	R	1966
6	1996	HUNG	X	1	1	.05950	2003	R	1967
6	1996	HUNG	X	1	1	.05950	2003	R	1968
6	1996	HUNG	X	1	1	.05950	2003	R	1969
6	1996	HUNG	X	1	1	.05950	2003	R	1970
6	1996	HUNG	X	1	1	.05950	2003	R	1971

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6	1996	HUNG X	1	1	.05950	2003 R	1972
6	1996	HUNG X	1	1	.05950	2003 R	1973
6	1996	HUNG X	1	1	.05950	2003 R	1974
6	1996	HUNG X	1	1	.05950	2003 R	1975
6	1996	HUNG X	1	1	.05950	2003 R	1976
6	1996	HUNG X	1	1	.05950	2003 R	1977
6	1996	HUNG X	1	1	.05950	2003 R	1978
6	1996	HUNG X	1	1	.05950	2003 R	1979
6	1996	HUNG X	1	1	.05950	2003 R	1980
6	1996	HUNG X	1	1	.05950	2003 R	1981
6	1996	HUNG X	1	1	.05950	2003 R	1982
6	1996	HUNG X	1	1	.05950	2003 R	1983
6	1996	HUNG X	1	0	.10750	2003 R	1984
6	1996	HUNG X	37	0	.12375	2003 R	1985
6	1996	HUNG X	9	0	.08500	2003	1992
6	1996	ICEH X	719	548	.06220	2012	1962
6	1996	ICEH X	1	1	.06220	2012 R	1963
6	1996	ICEH X	1	1	.06220	2012 R	1964
6	1996	ICEH X	1	1	.06220	2012 R	1965
6	1996	ICEH X	1	1	.06220	2012 R	1966
6	1996	ICEH X	1	1	.06220	2012 R	1967
6	1996	ICEH X	1	1	.06220	2012 R	1968
6	1996	ICEH X	1	1	.06220	2012 R	1969
6	1996	ICEH X	1	1	.06220	2012 R	1970
6	1996	ICEH X	1	1	.06220	2012 R	1971
6	1996	ICEH X	1	1	.06220	2012 R	1972
6	1996	ICEH X	1	1	.06220	2012 R	1973
6	1996	ICEH X	1	1	.06220	2012 R	1974
6	1996	ICEH X	1	1	.06220	2012 R	1975
6	1996	ICEH X	250	250	.06490	2026 A	1976
6	1996	ICEH X	1	1	.06220	2012 R	1976
6	1996	ICEH X	1	1	.06220	2012 R	1977
6	1996	ICEH X	1	1	.06220	2012 R	1978
6	1996	ICEH X	1	1	.06220	2012 R	1979
6	1996	ICEH X	1	1	.06220	2012 R	1980
6	1996	ICEH X	1	1	.06220	2012 R	1981
6	1996	ICEH X	1	1	.06220	2012 R	1982
6	1996	ICEH X	1	1	.06220	2012 R	1983
6	1996	ICEH X	1	0	.08875	2012 R	1987

								Prtt.txt	
6	1996	MINI	X	226	0	.03000	1959	1909	
6	1996	MINI	X	451	0	.03000	1960	1910	
6	1996	MINI	X	451	0	.03000	1961	1911	
6	1996	MINI	X	226	0	.03000	1977	1927	
6	1996	MINI	X	226	0	.03000	1992	1942	
6	1996	MINI	X	677	0	.03000	2007	1957	
6	1996	MINI	X	226	0	.03000	2008	1958	
6	1996	MINI	X	28	0	.03000	2008 R	1959	
6	1996	MINI	X	29	0	.03000	2008 R	1960	
6	1996	MINI	X	29	0	.03000	2008 R	1961	
6	1996	MINI	X	28	0	.03000	2008 R	1962	
6	1996	MINI	X	29	0	.03000	2008 R	1963	
6	1996	MINI	X	28	0	.03000	2008 R	1964	
6	1996	MINI	X	29	0	.03000	2008 R	1965	
6	1996	MINI	X	29	0	.03000	2008 R	1966	
6	1996	MINI	X	28	0	.03000	2008 R	1967	
6	1996	MINI	X	29	0	.03000	2008 R	1968	
6	1996	MINI	X	28	0	.03000	2008 R	1969	
6	1996	MINI	X	29	0	.03000	2008 R	1970	
6	1996	MINI	X	29	0	.03000	2008 R	1971	
6	1996	MINI	X	28	0	.03000	2008 R	1972	
6	1996	MINI	X	29	0	.03000	2008 R	1973	
6	1996	MINI	X	28	0	.03000	2008 R	1974	
6	1996	MINI	X	29	0	.03000	2008 R	1975	
6	1996	MINI	X	29	0	.03000	2008 R	1976	
6	1996	MINI	X	28	0	.03000	2008 R	1977	
6	1996	MINI	X	22	22	.06150	2008 R	1978	
6	1996	MINI	X	21	21	.06150	2008 R	1979	
6	1996	MINI	X	22	22	.06150	2008 R	1980	
6	1996	MINI	X	22	22	.06150	2008 R	1981	
6	1996	MINI	X	21	21	.06150	2008 R	1982	
6	1996	MINI	X	22	22	.06150	2008 R	1983	
6	1996	MINI	X	11	0	.10750	2008 R	1984	
6	1996	YAKC	X	507	242	.06410	2022	1956	
6	1996	YAKC	X	1	1	.06410	2022 R	1959	
6	1996	YAKC	X	1	1	.06410	2022 R	1960	
6	1996	YAKC	X	1	1	.06410	2022 R	1961	
6	1996	YAKC	X	1	1	.06410	2022 R	1962	
6	1996	YAKC	X	1	1	.06410	2022 R	1963	

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6	1996	YAKC	X	1	1	.06410	2022	R	1964
6	1996	YAKC	X	1	1	.06410	2022	R	1965
6	1996	YAKC	X	1	1	.06410	2022	R	1966
6	1996	YAKC	X	1	1	.06410	2022	R	1967
6	1996	YAKC	X	1	1	.06410	2022	R	1968
6	1996	YAKC	X	1	1	.06410	2022	R	1969
6	1996	YAKC	X	1	1	.06410	2022	R	1970
6	1996	YAKC	X	1	1	.06410	2022	R	1971
6	1996	YAKC	X	1	1	.06410	2022	R	1972
6	1996	YAKC	X	1	1	.06410	2022	R	1973
6	1996	YAKC	X	1	1	.06410	2022	R	1974
6	1996	YAKC	X	1	1	.06410	2022	R	1975
6	1996	YAKC	X	1	1	.06410	2022	R	1976
6	1996	YAKC	X	1	1	.06410	2022	R	1977
6	1996	YAKC	X	10	0	.10750	2022	R	1984
6	1996	YAKR	X	306	175	.06150	2008		1958
6	1996	YAKR	X	5	0	.10750	2008	R	1984

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36612

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131.37750

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533321

6	1996	ZBPA	X	6812	0	.02500	1985		1940
6	1996	ZBPA	X	18906	0	.02500	1986		1941
6	1996	ZBPA	X	461	0	.02500	1986	R	1941
6	1996	ZBPA	X	8446	0	.02500	1987		1942
6	1996	ZBPA	X	1052	0	.02500	1987	R	1942
6	1996	ZBPA	X	16083	0	.02500	1988		1943
6	1996	ZBPA	X	4538	0	.02500	1988	R	1943
6	1996	ZBPA	X	583	0	.02500	1989		1944
6	1996	ZBPA	X	249	0	.02500	1989	R	1944
6	1996	ZBPA	X	1306	0	.02500	1990		1945
6	1996	ZBPA	X	3366	0	.02500	1990	R	1945
6	1996	ZBPA	X	2488	0	.02500	1991		1946
6	1996	ZBPA	X	732	0	.02500	1991	R	1946
6	1996	ZBPA	X	1330	0	.02500	1992		1947
6	1996	ZBPA	X	1773	0	.02500	1992	R	1947
6	1996	ZBPA	X	7468	0	.02500	1993		1948

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6	1996	ZBPA	X	2290	0	.02500	1993	R	1948
6	1996	ZBPA	X	6809	0	.02500	1994		1949
6	1996	ZBPA	X	2719	0	.02500	1994	R	1949
6	1996	ZBPA	X	24111	0	.02500	1995		1950
6	1996	ZBPA	X	6124	0	.02500	1995	R	1950
6	1996	ZBPA	X	7040	0	.02500	1996		1951
6	1996	ZBPA	X	13266	0	.02500	1996	R	1951
6	1996	ZBPA	X	18610	0	.02500	1997		1952
6	1996	ZBPA	X	8979	0	.02500	1997	R	1952
6	1996	ZBPA	X	32639	23927	.05450	1998		1953
6	1996	ZBPA	X	16085	11791	.05450	1998	R	1953
6	1996	ZBPA	X	24211	24211	.05580	1999		1954
6	1996	ZBPA	X	17809	17809	.05580	1999	R	1954
6	1996	ZBPA	X	12222	12222	.05690	2000		1955
6	1996	ZBPA	X	10626	10626	.05690	2000	R	1955
6	1996	ZBPA	X	15154	15154	.05810	2001		1956
6	1996	ZBPA	X	33508	33508	.05810	2001	R	1956
6	1996	ZBPA	X	8313	8313	.05880	2002		1957
6	1996	ZBPA	X	16745	16745	.05880	2002	R	1957
6	1996	ZBPA	X	16434	16434	.05950	2003		1958
6	1996	ZBPA	X	11228	11228	.05950	2003	R	1958
6	1996	ZBPA	X	8647	8647	.06000	2004		1959
6	1996	ZBPA	X	9395	9395	.06000	2004	R	1959
6	1996	ZBPA	X	3832	3832	.06050	2005		1960
6	1996	ZBPA	X	4492	4492	.06050	2005	R	1960
6	1996	ZBPA	X	4778	4778	.06110	2006		1961
6	1996	ZBPA	X	12053	12053	.06110	2006	R	1961
6	1996	ZBPA	X	21088	21088	.06130	2007		1962
6	1996	ZBPA	X	5248	5248	.06130	2007	R	1962
6	1996	ZBPA	X	5283	5283	.06150	2008		1963
6	1996	ZBPA	X	4692	4692	.06150	2008	R	1963
6	1996	ZBPA	X	978	978	.06150	2008		1963
6	1996	ZBPA	X	869	869	.06150	2008	R	1963
6	1996	ZBPA	X	4996	4996	.05160	2009		1964
6	1996	ZBPA	X	6907	6907	.05160	2009	R	1964
6	1996	ZBPA	X	4064	4064	.06180	2010		1965
6	1996	ZBPA	X	7948	7948	.06180	2010	R	1965
6	1996	ZBPA	X	5701	5701	.06180	2010		1965
6	1996	ZBPA	X	11146	11146	.06180	2010	R	1965

6	1996	ZBPA	X	13047	13047	.06200	2011		1966
6	1996	ZBPA	X	3363	3363	.06200	2011	R	1966
6	1996	ZBPA	X	7326	7326	.06200	2011		1966
6	1996	ZBPA	X	1889	1889	.06200	2011	R	1966
6	1996	ZBPA	X	21053	21053	.06220	2012		1967
6	1996	ZBPA	X	5059	5059	.06220	2012	R	1967
6	1996	ZBPA	X	15843	15843	.06220	2012		1967
6	1996	ZBPA	X	3807	3807	.06220	2012	R	1967
6	1996	ZBPA	X	45776	45776	.06240	2013		1968
6	1996	ZBPA	X	9001	9001	.06240	2013	R	1968
6	1996	ZBPA	X	25861	25861	.06240	2013		1968
6	1996	ZBPA	X	5085	5085	.06240	2013	R	1968
6	1996	ZBPA	X	47301	47301	.06260	2014		1969
6	1996	ZBPA	X	25239	25239	.06260	2014	R	1969
6	1996	ZBPA	X	430	430	.06260	2014		1969
6	1996	ZBPA	X	229	229	.06260	2014	R	1969
6	1996	ZBPA	X	73118	73118	.06280	2015		1970
6	1996	ZBPA	X	8997	8997	.06280	2015	R	1970
6	1996	ZBPA	X	27471	27471	.06280	2015		1970
6	1996	ZBPA	X	3380	3380	.06280	2015	R	1970
6	1996	ZBPA	X	13574	13574	.06300	2016		1971
6	1996	ZBPA	X	20054	20054	.06300	2016	R	1971
6	1996	ZBPA	X	13574	13476	.06300	2016		1971
6	1996	ZBPA	X	20054	19910	.06300	2016	R	1971
6	1996	ZBPA	X	32799	32799	.06320	2017		1972
6	1996	ZBPA	X	23677	23677	.06320	2017	R	1972
6	1996	ZBPA	X	4442	4442	.06320	2017		1972
6	1996	ZBPA	X	3206	3206	.06320	2017	R	1972
6	1996	ZBPA	X	44083	37664	.06340	2018		1973
6	1996	ZBPA	X	28255	24141	.06340	2018	R	1973
6	1996	ZBPA	X	26670	18212	.06340	2018		1973
6	1996	ZBPA	X	17094	11673	.06340	2018	R	1973
6	1996	ZBPA	X	13421	13421	.06360	2019		1974
6	1996	ZBPA	X	23314	23314	.06360	2019	R	1974
6	1996	ZBPA	X	13977	13977	.06360	2019		1974
6	1996	ZBPA	X	24283	24283	.06360	2019	R	1974
6	1996	ZBPA	X	35527	35527	.06380	2020		1975
6	1996	ZBPA	X	24312	24312	.06380	2020	R	1975
6	1996	ZBPA	X	19025	19025	.06380	2020		1975



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6	1996	ZBPA	X	13020	13020	.06380	2020	R	1975
6	1996	ZBPA	X	67534	67534	.06390	2021		1976
6	1996	ZBPA	X	2447	2447	.06390	2021	R	1976
6	1996	ZBPA	X	4354	4354	.06410	2022		1977
6	1996	ZBPA	X	5934	5934	.06410	2022	R	1977
6	1996	ZBPA	X	37113	37113	.06410	2022		1977
6	1996	ZBPA	X	51465	9613	.06410	2022	R	1977
				1429115	1184062				

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6	1995	ZABF	X	17770	0	.08950	2013		1978	09
6	1995	ZABF	X	24222	0	.08950	2013	R	1978	09
6	1995	ZABF	X	7010	0	.09450	2014		1979	06
6	1995	ZABF	X	9804	0	.09450	2014	R	1979	06
6	1995	ZABF	X	26690	0	.09450	2014		1979	06
6	1995	ZABF	X	21977	0	.09450	2014	R	1979	06
6	1995	ZABF	X	6026	0	.09450	2014	R	1979	06
6	1995	ZABF	X	21228	0	.09900	2014		1979	09
6	1995	ZABF	X	14340	0	.09900	2014	R	1979	09
6	1995	ZABF	X	10610	0	.09900	2014		1979	09
6	1995	ZABF	X	2888	0	.09900	2014	R	1979	09
6	1995	ZABF	X	39696	0	.13000	2015		1980	09
6	1995	ZABF	X	10806	0	.13000	2015	R	1980	09
6	1995	ZABF	X	44811	0	.13000	2015		1980	09
6	1995	ZABF	X	1469	0	.13000	2015	R	1980	09
6	1995	ZABF	X	9292	0	.13000	2015		1980	09
6	1995	ZABF	X	4253	0	.13000	2015	R	1980	09
6	1995	ZABF	X	119775	0	.16600	2016		1981	09
6	1995	ZABF	X	54821	0	.16600	2016	R	1981	09
6	1995	ZABF	X	34221	0	.14400	2017		1982	12
6	1995	ZABF	X	15663	0	.14400	2017	R	1982	12
6	1995	ZABF	X	9975	0	.14400	2017		1982	04
6	1995	ZABF	X	4566	0	.14400	2017	R	1982	04
6	1995	ZABF	X	46980	0	.14400	2017		1982	04
6	1995	ZABF	X	37455	0	.14400	2017	R	1982	04
6	1995	ZABF	X	3677	0	.14150	2017		1982	07

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6	1995	ZABF	X	-3677	0	.14150	2017	1987	07	
6	1995	ZABF	X	2932	0	.14150	2017 R	1982	07	
6	1995	ZABF	X	-2932	0	.14150	2017 R	1987	07	
6	1995	ZABF	X	77807	0	.14150	2017	1982	07	
6	1995	ZABF	X	-77807	0	.14150	2017	1987	07	
6	1995	ZABF	X	39741	0	.10850	2018	1983	11	
6	1995	ZABF	X	-39741	0	.10850	2018	1988	02	
6	1995	ZABF	X	29806	0	.11700	2018	1983	06	
6	1995	ZABF	X	814	0	.12250	2018	1983	09	
6	1995	ZABF	X	37235	0	.12250	2018	1983	09	
6	1995	ZABF	X	6708	0	.12250	2018 R	1983	09	
6	1995	ZABF	X	25283	0	.12300	2019	1984	11	
6	1995	ZABF	X	4555	0	.12300	2019 R	1984	11	
6	1995	ZABF	X	50567	0	.13050	2019	1984	09	
6	1995	ZABF	X	9109	0	.13050	2019 R	1984	09	
6	1995	ZABF	X	84278	0	.11250	2029	1985	06	
6	1995	ZABF	X	15182	0	.11250	2029 R	1985	06	
6	1995	ZABF	X	870	0	.08150	1996	1986	03	T
6	1995	ZABF	X	157	0	.08150	1996 R	1986	03	T
6	1995	ZABF	X	30161	0	.08150	1996	1986	03	T
6	1995	ZABF	X	68194	0	.08150	1996 R	1986	03	T
6	1995	ZABF	X	5161	0	.08950	2030	1986	06	
6	1995	ZABF	X	-5161	0	.08950	2030	1992	08	
6	1995	ZABF	X	11668	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	-11668	0	.08950	2030 R	1992	08	
6	1995	ZABF	X	180054	0	.08950	2030	1986	06	
6	1995	ZABF	X	-180054	0	.08950	2030	1992	08	
6	1995	ZABF	X	3117	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	-3117	0	.08950	2030 R	1992	08	
6	1995	ZABF	X	40000	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	-40000	0	.08950	2030 R	1994	05	
6	1995	ZABF	X	57354	0	.08950	2030 R	1986	06	
6	1995	ZABF	X	43236	0	.09300	2031	1987	04	
6	1995	ZABF	X	-43236	0	.09300	2031	1992	04	
6	1995	ZABF	X	54409	0	.09300	2031 R	1987	04	
6	1995	ZABF	X	-54409	0	.09300	2031 R	1992	04	
6	1995	ZABF	X	96519	0	.08350	1992	1987	06	T
6	1995	ZABF	X	4113	0	.09550	2017	1987	07	
6	1995	ZABF	X	3274	0	.09550	2017 R	1987	07	

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6	1995	ZABF	X	86958	0	.09550	2017	1987	07		
6	1995	ZABF	X	7903	0	.09550	2032	1987	07		
6	1995	ZABF	X	3109	0	.09550	2032 R	1987	07		
6	1995	ZABF	X	37342	0	.09550	2032	1987	07		
6	1995	ZABF	X	43417	0	.09500	2018	1988	02		
6	1995	ZABF	X	28513	0	.09500	2033	1988	02		
6	1995	ZABF	X	-28513	0	.09500	2033	1994	10		
6	1995	ZABF	X	27887	0	.09500	2033 R	1988	02		
6	1995	ZABF	X	-27887	0	.09500	2033 R	1994	10		
6	1995	ZABF	X	20677	0	.09500	2033	1988	02		
6	1995	ZABF	X	-20677	0	.09500	2033	1994	10		
6	1995	ZABF	X	22923	0	.09500	2033 R	1988	02		
6	1995	ZABF	X	-22923	0	.09500	2033 R	1994	10		
6	1995	ZABF	X	45870	0	.09500	2033 R	1988	02		
6	1995	ZABF	X	-45870	0	.09500	2033 R	1994	05		
6	1995	ZABF	X	9018	0	.09900	2033	1988	06		
6	1995	ZABF	X	30004	0	.09900	2033 R	1988	06		
6	1995	ZABF	X	16909	16909	.08950	1999	1989	05	T	
6	1995	ZABF	X	56257	56257	.08950	1999 R	1989	05	T	
6	1995	ZABF	X	1149	1149	.09250	2030	1990	01	10	
6	1995	ZABF	X	3824	3824	.09250	2030 R	1990	01	10	
6	1995	ZABF	X	41894	41894	.09250	2030	1990	01	10	
6	1995	ZABF	X	54145	0	.07550	1995	1991	02	T	
6	1995	ZABF	X	147521	147521	.08800	2032	1992	04		
6	1995	ZABF	X	50000	50000	.07000	1997	1992	04	T	
6	1995	ZABF	X	80000	0	.06200	1995	1992	04	T	
6	1995	ZABF	X	28300	28300	.07000	1997	1992	04	T	
6	1995	ZABF	X	150000	150000	.08130	2032	1992	07		
6	1995	ZABF	X	107800	107800	.06600	2000	1992	08	T	
6	1995	ZABF	X	107700	107700	.07250	2007	1992	08		
6	1995	ZABF	X	50000	50000	.06050	1998	1993	10	T	
6	1995	ZABF	X	88984	88984	.08350	2033	1993	10		
6	1995	ZABF	X	130000	130000	.07800	2033	1993	02		
6	1995	ZABF	X	100000	100000	.07500	2033	1993	04		
6	1995	ZABF	X	110000	110000	.06950	2033	1993	08		
6	1995	ZABF	X	108400	108400	.06850	2033	1994	10		
6	1995	ZABF	X	43155	0	.07100	1998	1994	05	01	P
6	1995	ZABF	X	49489	0	.07100	1998	1994	05	01	P
6	1995	ZABF	X	35722	35722	.06850	2034	1994	10		

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6	1995	ZABF	X	50000	50000	.07050	2034	1994	01		
6	1995	ZABF	X	50000	50000	.08200	2034	1994	05		
6	1995	ZABF	X	55000	0	.07650	1999	1994	09	01	P
6	1995	ZABF	X	55000	5010	.08350	2001	1995	01	01	P
6	1995	ZABF	X	41491	41491	.07700	2025	1995	07	05	
6	1995	ZABF	X	65000	65000	.07700	2025	1995	08	05	
6	1995	ZAFW	X	12100	12100	.07200	2010	1995	08	05	
6	1996	ZABF	X	148702	148702	.07240	2041	1996	03		
6	1996	ZAFW	X	15000	15000	.06950	2011	1996	03		
6	1997	ZABF	X	124330	124330	.06930	2042	1997	03		
6	1997	ZAFW	X	12200	12200	.06600	2012	1997	03		
6	1998	ZABF	X	121417	121417	.06720	2043	1998	03		
6	1998	ZAFW	X	11200	11200	.06400	2013	1998	03		
6	1999	ZABF	X	133721	133721	.06610	2044	1999	03		
6	1999	ZAFW	X	11500	11500	.06380	2014	1999	03		
6	2000	ZABF	X	155426	155426	.06460	2045	2000	03		
6	2000	ZAFW	X	11900	11900	.06360	2015	2000	03		

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= TOTAL FOR 6

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CORPS-BUREAU REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE
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BPA REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE
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6	2001	ZABF X	117631	117631	2046 R	.06460
6	2002	ZABF X	121313	121313	2047 R	.06460

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6	2003	ZABF	X	124744	124744	2048	R	.06460
6	2004	ZABF	X	127984	127984	2049	R	.06460
6	2005	ZABF	X	131199	131199	2050	R	.06460
6	2006	ZABF	X	134327	134327	2051	R	.06460
6	2007	ZABF	X	137297	137297	2052	R	.06460
6	2008	ZABF	X	139972	139972	2053	R	.06460
6	2009	ZABF	X	142337	142337	2054	R	.06460
6	2010	ZABF	X	144302	144302	2055	R	.06460
6	2011	ZABF	X	146135	146135	2056	R	.06460
6	2012	ZABF	X	148000	148000	2057	R	.06460
6	2013	ZABF	X	149909	149909	2058	R	.06460
6	2014	ZABF	X	151849	151849	2059	R	.06460
6	2015	ZABF	X	153916	153916	2060	R	.06460
6	2016	ZABF	X	156059	156059	2061	R	.06460
6	2017	ZABF	X	158217	158217	2062	R	.06460
6	2018	ZABF	X	160436	160436	2063	R	.06460
6	2019	ZABF	X	162618	162618	2064	R	.06460
6	2020	ZABF	X	164751	164751	2065	R	.06460
6	2021	ZABF	X	166772	166772	2066	R	.06460
6	2022	ZABF	X	168635	168635	2067	R	.06460
6	2023	ZABF	X	170386	170386	2068	R	.06460
6	2024	ZABF	X	172023	172023	2069	R	.06460
6	2025	ZABF	X	173498	173498	2070	R	.06460
6	2026	ZABF	X	174925	174925	2071	R	.06460
6	2027	ZABF	X	176380	176380	2072	R	.06460
6	2028	ZABF	X	177808	177808	2073	R	.06460
6	2029	ZABF	X	179256	179256	2074	R	.06460
6	2030	ZABF	X	180786	180786	2075	R	.06460
6	2031	ZABF	X	182344	182344	2076	R	.06460
6	2032	ZABF	X	183909	183909	2077	R	.06460
6	2033	ZABF	X	185494	185494	2078	R	.06460
6	2034	ZABF	X	187107	187107	2079	R	.06460
6	2035	ZABF	X	188661	188661	2080	R	.06460
6	2036	ZABF	X	190109	190109	2081	R	.06460
6	2037	ZABF	X	191432	191432	2082	R	.06460
6	2038	ZABF	X	192635	192635	2083	R	.06460
6	2039	ZABF	X	193673	193673	2084	R	.06460
6	2040	ZABF	X	194598	194598	2085	R	.06460
6	2041	ZABF	X	195467	195467	2086	R	.06460

					Prtt.txt	
6	2042	ZABF X	196278	196278	2087 R	.06460
6	2043	ZABF X	197173	197173	2088 R	.06460
6	2044	ZABF X	198098	198098	2089 R	.06460
6	2045	ZABF X	199118	199118	2090 R	.06460

NUMBER OF INVESTMENTS FOR THIS STUDY IS 533

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REPAYMENT STUDY FOR 1996 FINAL RATE FILING  
 OCTOBER 1,1999 - SEPTEMBER 30,2000 COST EVALUATION PERIOD  
 REPAY 00 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT  
 TRANSMISSION

SUMMARY OF SOLUTION STEPS

PRIMARY ITERATION NUMBER	TRIAL REVENUE FACTOR	SECONDARY ITERATIONS REQUIRED	RESULTS
1	1.000000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2035
2	1.500000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
3	1.250000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
4	1.120000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
5	1.060000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
6	1.030000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
7	1.015000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2041

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8	1.022000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2045
9	1.026000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
10	1.024000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
11	1.023000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2045
12	1.023500	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2045
13	1.023750	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2045
14	1.023870	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
15	1.023810	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
16	1.023780	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2045
17	1.023810	1	CONVERGED TO MINIMUM REPAYMENT SCHEDULE

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F E D E R A L C O L U M B I A R I V E R P O W E R S Y S

REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,1999 - SEPTEMBER 30,2000 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE A FISCAL

0	1	2	3	4	5	6	7
8							
OF FISCAL				PURCHASE			
YEAR				AND			
	REVENUE		ANNUAL	EXCHANGE	GROSS		IRRIGATION
ENDING	REVENUE		OBLIGATIONS	POWER	INTEREST	AMORTIZATION	AMORTIZATIO
SEPT 30	REQUIREMENT	=					
N + (-)	DEFICIT						

OCUMULATIVE  
1996

1,951,722

1997	332,119	4,498		206,932	120,689
1998	334,432	4,851		206,334	123,247
1999	338,643	4,991		205,374	128,278
2000	343,202	5,107		204,790	133,305
2001	343,202	5,107	-1,031	210,081	129,045
2002	343,202	5,107	-1,062	209,734	129,423
2003	343,202	5,107	-1,094	206,970	132,219
2004	343,202	5,107	-1,124	205,131	134,088
2005	343,202	5,107	-1,154	203,337	135,912
2006	343,202	5,107	-1,184	200,482	138,797
2007	343,202	5,107	-1,213	193,454	145,854
2008	343,202	5,107	-1,241	197,977	141,359
2009	343,202	5,107	-1,269	196,758	142,606
2010	343,202	5,107	-1,297	193,820	145,572
2011	343,202	5,107	-1,323	194,004	145,414
2012	343,202	5,107	-1,349	192,301	147,143



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2013	343,202	5,107	-1,375	190,449	149,021
2014	343,202	5,107	-1,400	191,251	148,244
2015	343,202	5,107	-1,424	190,185	149,334
2016	343,202	5,107	-1,448	192,505	147,038
2017	343,202	5,107	-1,471	191,660	147,906
2018	343,202	5,107	-1,494	193,500	146,089
2019	343,202	5,107	-1,516	194,413	145,198
2020	343,202	5,107	-1,537	193,908	145,724
2021	343,202	5,107	-1,558	198,494	141,159
2022	343,202	5,107	-1,577	201,993	137,679
2023	343,202	5,107	-1,596	204,045	135,646
2024	343,202	5,107	-1,614	206,326	133,383
2025	343,202	5,107	-1,633	208,842	130,886
2026	343,202	5,107	-1,649	211,600	128,144
2027	343,202	5,107	-1,664	214,617	125,142
2028	343,202	5,107	-1,679	217,907	121,867
2029	343,202	5,107	-1,693	221,488	118,300
2030	343,202	5,107	-1,705	225,383	114,417

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2031	343,202	5,107	-1,715	229,614	110,196
2032	343,202	5,107	-1,725	234,243	105,577
2033	343,202	5,107	-1,734	239,241	100,588
2034	343,202	5,107	-1,740	244,637	95,198
2035	343,202	5,107	-1,745	250,517	89,323
2036	343,202	5,107	-1,750	256,846	82,999
2037	343,202	5,107	-1,750	263,664	76,181
2038	343,202	5,107	-1,746	271,023	68,818
2039	343,202	5,107	-1,741	278,917	60,919
2040	343,202	5,107	-1,735	287,365	52,465
2041	343,202	5,107	-1,732	296,492	43,335
2042	343,202	5,107	-1,730	306,212	33,613
2043	343,202	5,107	-1,728	316,639	23,184
2044	343,202	5,107	-1,729	327,825	11,999
2045	343,202	5,107	-1,746	339,823	18
0 TOTALS	16,792,486	249,262	-68,420	11,019,103	5,592,541

106/07/96  
T E M  
2 OF 2

PAGE

F E D E R A L C O L U M B I A R I V E R P O W E R S Y S

REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,1999 - SEPTEMBER 30,2000 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE B FISCAL

0	1	2	3	4	5	6	7
8		9					
10							
0							
INVESTMENT PLACED IN SERVICE							
IRRIGATION ASSISTANCE							
FISCAL -----							
-----							
YEAR	INITIAL	REPLACE-	CUMULATIVE	AMORTI-	TERM	CUM	
ULATIVE	PROJECT	MENTS	AMOUNT IN	ZATION	INVESTMENT	AM	
ENDING	AMORTI-	=	=	=	=	S	
OUNT IN	AMORTI-	=	=	=	=	S	
UNAMORTIZED	AMORTI-	=	=	=	=	S	
SEPT 30	THRU 9-30	THRU 9-30	SERVICE	9-30	INVESTMENT	SCHEDULE	S
ERVICE	ZATION						
AMOUNT							
OCUMULATIVE							
1996	3,923,056	1,008,208	4,931,264	1,951,722	2,979,542	4,451,478	
1997	136,530		5,067,794	120,689	2,995,383	4,482,119	
1998	132,617		5,200,411	123,247	3,004,753	4,418,852	
1999	145,221		5,345,632	128,278	3,021,696	4,389,371	
2000	167,326		5,512,958	133,305	3,055,717	4,422,943	
2001		117,631	5,630,589	129,045	3,044,303	4,426,158	
2002		121,313	5,751,902	129,423	3,036,193	4,522,413	
2003		124,744	5,876,646	132,219	3,028,718	4,617,266	

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2004	127,984	6,004,630	134,088	3,022,614	4,727,208
2005	131,199	6,135,829	135,912	3,017,901	4,850,083
2006	134,327	6,270,156	138,797	3,013,431	4,967,579
2007	137,297	6,407,453	145,854	3,004,874	4,970,163
2008	139,972	6,547,425	141,359	3,003,487	5,097,092
2009	142,337	6,689,762	142,606	3,003,218	5,227,526
2010	144,302	6,834,064	145,572	3,001,948	5,330,869
2011	146,135	6,980,199	145,414	3,002,669	5,436,379
2012	148,000	7,128,199	147,143	3,003,526	5,525,676
2013	149,909	7,278,108	149,021	3,004,414	5,536,670
2014	151,849	7,429,957	148,244	3,008,019	5,483,247
2015	153,916	7,583,873	149,334	3,012,601	5,401,970
2016	156,059	7,739,932	147,038	3,021,622	5,316,177
2017	158,217	7,898,149	147,906	3,031,933	5,167,065
2018	160,436	8,058,585	146,089	3,046,280	5,093,419
2019	162,618	8,221,203	145,198	3,063,700	5,091,528
2020	164,751	8,385,954	145,724	3,082,727	5,164,395

			Prtt.txt			
2021	166,772	8,552,726	141,159	3,108,340	5,261,186	
2022	168,635	8,721,361	137,679	3,139,296	5,330,419	
2023	170,386	8,891,747	135,646	3,174,036	5,499,821	
2024	172,023	9,063,770	133,383	3,212,676	5,671,844	
2025	173,498	9,237,268	130,886	3,255,288	5,729,382	
2026	174,925	9,412,193	128,144	3,302,069	5,895,223	
2027	176,380	9,588,573	125,142	3,353,307	6,062,842	
2028	177,808	9,766,381	121,867	3,409,248	6,231,958	
2029	179,256	9,945,637	118,300	3,470,204	6,294,500	
2030	180,786	10,126,423	114,417	3,536,573	6,371,065	
2031	182,344	10,308,767	110,196	3,608,721	6,552,907	
2032	183,909	10,492,676	105,577	3,687,053	6,388,446	
2033	185,494	10,678,170	100,588	3,771,959	5,984,530	
2034	187,107	10,865,277	95,198	3,863,868	6,035,915	
2035	188,661	11,053,938	89,323	3,963,206	6,224,576	
2036	190,109	11,244,047	82,999	4,070,316	6,414,685	
2037	191,432	11,435,479	76,181	4,185,567	6,606,117	
2038	192,635	11,628,114	68,818	4,309,384	6,798,752	

			Prtt.txt			
2039	193,673	11,821,787	60,919	4,442,138	6,992,425	
2040	194,598	12,016,385	52,465	4,584,271	7,187,023	
2041	195,467	12,211,852	43,335	4,736,403	7,233,788	
2042	196,278	12,408,130	33,613	4,899,068	7,305,736	
2043	197,173	12,605,303	23,184	5,073,057	7,381,492	
2044	198,098	12,803,401	11,999	5,259,156	7,445,869	
2045	199,118	13,002,519	18	5,458,256	7,489,561	
0 TOTALS	4,504,750	8,497,769		7,544,263		

LINES MAY NOT ADD ACROSS BECAUSE OF ROUND OFF ERRORS

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SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 2000

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

	2004	2005	1997	1998	1999	2000	2001	2002	20
03 2006									

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN	184	184	184	184	184	184	184	
COLUMBIA BASIN- 3RD	4,151	4,151	4,151	4,151	4,151	4,151	4,151	4,1
51 4,151 4,151								
4,151								
HUNGRY HORSE	31	31	31	31	31	31	31	
31								
MINIDOKA	6	6	6	6	6	6	6	
6 6 6								
6								
YAKIMA-CHANDLER	16	16	16	16	16	16	16	
16 16 16								
16								
YAKIMA-ROZA	11	11	11	11	11	11	11	
11 11 11								
11								
TOTAL BUREAU	4,399	4,399	4,399	4,399	4,399	4,399	4,215	4,2
15 4,184 4,184								
4,184								

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW	245	245	245	245	245	245	245	2
45 245 245								
245								

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF								
	DWORSHAK		58	58	58	58	58	58
58	58	58						
58								
GREEN PETER-FOSTER								
HILLS CREEK								
	ICE HARBOR		50	50	50	50	50	50
50	50	50						
50								
JOHN DAY								
LIBBY								
LITTLE GOOSE								
LOOKOUT POINT-DEXTER								
LOST CREEK								
LOWER GRANITE								
LOWER MONUMENTAL								
MCNARY								
STRUBE								
THE DALLES								
	TOTAL CORPS		353	353	353	353	353	3
53	353	353						
353								

LOWER SNAKE F AND W



BONNEVILLE POWER ADM	73,199	73,199	71,252	68,907	67,607	64,780	63,3
06 61,660 60,577							
60,073							
TOTAL APPROPRIATIONS	77,951	77,951	76,004	73,659	72,359	69,348	67,8
74 66,197 65,114							
64,610							
BPA BORROWING							
BPA PROGRAM	133,393	132,570	134,740	136,480	137,939	138,681	137,7
96 137,443 136,410							
135,041							
BUREAU DIRECT FUND							
FISH, WILDLIFE & ENV	2,316	3,076	3,802	4,547	4,926	4,926	4,9
26 4,926 4,926							
4,926							
PREMIUMS	3,264	2,807	950	185	4,878	6,788	6,4
02 6,601 6,944							
5,989							
0LESS							
0 AFUDC							
0 INTEREST INCOME	9,992	10,070	10,122	10,081	10,021	10,009	10,0
28 10,036 10,057							
10,084							
0TOTAL BPA BORROWING	128,981	128,383	129,370	131,131	137,722	140,386	139,0
96 138,934 138,223							
135,872							
-----							
TOTALS	206,932	206,334	205,374	204,790	210,081	209,734	206,9
70 205,131 203,337							
200,482							

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SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 2000

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

	2014	2015	2007	2008	2009	2010	2011	2012	20
13									
2016									
BUREAU OF RECLAMATION									
BOISE									
COLUMBIA BASIN									
51	4,151	4,151	4,151	4,151	4,151	4,151	4,151	4,151	4,1
4,151									
HUNGRY HORSE									
MINIDOKA									
16	16	16	16	16	16	16	16	16	
16									
YAKIMA-ROZA									
67	4,167	4,167	4,184	4,184	4,167	4,167	4,167	4,167	4,1
4,167									

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW	245	245	245	245	245	245	2
45	245	245					
245							

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK	58	58	58	58	58	58	
58	58	58					
58							

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR	50	50	50	50	50	50	
16	16	16					
16							

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS			353	353	353	353	353	353	3
19	319	319							
319									

LOWER SNAKE F AND W

BONNEVILLE POWER ADM			59,045	57,430	56,703	56,089	54,306	52,717	49,8
71	44,522	39,940							
32,846									
TOTAL APPROPRIATIONS			63,582	61,967	61,223	60,609	58,826	57,237	54,3
57	49,008	44,426							
37,332									

BPA BORROWING

BPA PROGRAM			134,467	134,728	134,318	134,200	136,305	138,541	142,0
71	148,249	153,811							
162,180									
BUREAU DIRECT FUND									
FISH, WILDLIFE & ENV			4,926	4,926	4,926	4,926	4,055	3,013	2,2
08	1,491	757							
PREMIUMS			576	6,450	6,394	4,192	4,904	3,575	1,8
30	2,421	1,023							
2,687									
0LESS									

0 AFUDC

0 INTEREST INCOME	10,097	10,094	10,103	10,107	10,086	10,065	10,0
17 9,918 9,832							
9,694							
0TOTAL BPA BORROWING	129,872	136,010	135,535	133,211	135,178	135,064	136,0
92 142,243 145,759							
155,173							
-----	-----	-----	-----	-----	-----	-----	-----
-----							
TOTALS	193,454	197,977	196,758	193,820	194,004	192,301	190,4
49 191,251 190,185							
192,505							
1							

SUMMARY OF INTEREST EXPENSE TRANSMISSION FY 2000 REPAYMENT STUDY FOR 199  
 6 FINAL RATE FILING

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(ALL AMOUNTS IN \$1000)

	2017	2018	2019	2020	2021	2022	20
23 2024 2025							
2026							

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

COLUMBIA BASIN- 3RD 3,299

HUNGRY HORSE

MINIDOKA			
YAKIMA-CHANDLER	16	16	16
YAKIMA-ROZA			
TOTAL BUREAU	3,315	16	16
CORPS OF ENGINEERS			
ALBENI FALLS			
BONNEVILLE			
BONNEVILLE - 2ND POW	245		
CHIEF JOSEPH			
COUGAR			
COLUMBIA RIVER FISH			
DETROIT-BIG CLIFF			
DWORSHAK	58	58	58
GREEN PETER-FOSTER			
HILLS CREEK			
ICE HARBOR			
JOHN DAY			
LIBBY			

LITTLE GOOSE  
 LOOKOUT POINT-DEXTER  
 LOST CREEK  
 LOWER GRANITE  
 LOWER MONUMENTAL  
 MCNARY  
 STRUBE  
 THE DALLES

TOTAL CORPS	303	58	58		
-------------	-----	----	----	--	--

LOWER SNAKE F AND W

BONNEVILLE POWER ADM	28,625	24,572	18,758	12,780	3,470
----------------------	--------	--------	--------	--------	-------

TOTAL APPROPRIATIONS	32,243	24,646	18,832	12,780	3,470
----------------------	--------	--------	--------	--------	-------

BPA BORROWING

BPA PROGRAM	167,851	176,216	183,055	190,313	201,022	206,244	208,3
00 210,597	213,142						
215,940							

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV

PREMIUMS			1,157	2,078	1,842		2,992	4,645	4,6
04	4,547	4,473							
	4,383								
0 LESS									
0 AFUDC									
0 INTEREST INCOME			9,591	9,440	9,316	9,185	8,990	8,896	8,8
59	8,818	8,773							
	8,723								
0 TOTAL BPA BORROWING			159,417	168,854	175,581	181,128	195,024	201,993	204,0
45	206,326	208,842							
	211,600								
-----			-----	-----	-----	-----	-----	-----	-----
TOTALS			191,660	193,500	194,413	193,908	198,494	201,993	204,0
45	206,326	208,842							
	211,600								
1									

SUMMARY OF INTEREST EXPENSE TRANSMISSION FY 2000 REPAYMENT STUDY FOR 199  
 6 FINAL RATE FILING

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(ALL AMOUNTS IN \$1000)

			2027	2028	2029	2030	2031	2032	20
33	2034	2035							
2036									

BUREAU OF RECLAMATION  
 BOISE



COLUMBIA BASIN

COLUMBIA BASIN- 3RD

HUNGRY HORSE

MINIDOKA

YAKIMA-CHANDLER

YAKIMA-ROZA

TOTAL BUREAU

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS

LOWER SNAKE F AND W

BONNEVILLE POWER ADM

TOTAL APPROPRIATIONS

BPA BORROWING

BPA PROGRAM	219,010	222,365	226,026	230,013	234,351	239,062	244,1
-------------	---------	---------	---------	---------	---------	---------	-------

73 249,712 255,699  
262,163

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV

PREMIUMS			4,275	4,149	4,003	3,839	3,653	3,486	3,2
80	3,037	2,821							
2,568									
0LESS									
0 AFUDC									
0 INTEREST INCOME			8,668	8,607	8,541	8,469	8,390	8,305	8,2
12	8,112	8,003							
7,885									
0TOTAL BPA BORROWING			214,617	217,907	221,488	225,383	229,614	234,243	239,2
41	244,637	250,517							
256,846									
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----							
TOTALS			214,617	217,907	221,488	225,383	229,614	234,243	239,2
41	244,637	250,517							
256,846									
1									

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 2000

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

43	2044	2045	2037	2038	2039	2040	2041	2042	20
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BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

COLUMBIA BASIN- 3RD

HUNGRY HORSE

MINIDOKA

YAKIMA-CHANDLER

YAKIMA-ROZA

TOTAL BUREAU

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS

LOWER SNAKE F AND W

BONNEVILLE POWER ADM

TOTAL APPROPRIATIONS

BPA BORROWING

BPA PROGRAM	269,125	276,609	284,642	293,248	302,458	312,311	322,8
49 334,118 346,173							
BUREAU DIRECT FUND							
FISH, WILDLIFE & ENV							
PREMIUMS	2,297	2,035	1,749	1,434	1,182	869	5
66 276							
0LESS							
0 AFUDC							
0 INTEREST INCOME	7,758	7,621	7,474	7,317	7,148	6,968	6,7
76 6,569 6,350							
0TOTAL BPA BORROWING	263,664	271,023	278,917	287,365	296,492	306,212	316,6
39 327,825 339,823							
-----	-----	-----	-----	-----	-----	-----	-----
TOTALS	263,664	271,023	278,917	287,365	296,492	306,212	316,6
39 327,825 339,823							
1							

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 2000

REPAYMENT STUDY FOR 199

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TOTALS

BUREAU OF RECLAMATION

BOISE	
COLUMBIA BASIN	920
COLUMBIA BASIN- 3RD	86,319
HUNGRY HORSE	217

MINIDOKA	72
YAKIMA-CHANDLER	368
YAKIMA-ROZA	132
TOTAL BUREAU	88,028
CORPS OF ENGINEERS	
ALBENI FALLS	
BONNEVILLE	
BONNEVILLE - 2ND POW	5,145
CHIEF JOSEPH	
COUGAR	
COLUMBIA RIVER FISH	
DETROIT-BIG CLIFF	
DWORSHAK	1,334
GREEN PETER-FOSTER	
HILLS CREEK	
ICE HARBOR	864
JOHN DAY	
LIBBY	
LITTLE GOOSE	
LOOKOUT POINT-DEXTER	
LOST CREEK	
LOWER GRANITE	
LOWER MONUMENTAL	
MCNARY	
STRUBE	
THE DALLES	
TOTAL CORPS	7,343
LOWER SNAKE F AND W	
TOTAL APPROPRIATIONS	95,371
BONNEVILLE POWER ADM	1,256,234
BPA BORROWING	

BPA PROGRAM	9,876,150
BUREAU DIRECT FUND	
FISH, WILDLIFE & ENV	74,525
PREMIUMS	155,100
0 LESS	
0 AFUDC	
0 INTEREST INCOME	438,277
0 TOTAL BPA BORROWING	9,667,498
	-----
TOTALS	11,019,103
1	
1	

APPLICATION OF AMORTIZATION TRANSMISSION FY 2000 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR ----- INVESTMENT  
 PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	REPLACEMENT		-----	---	-----	---	-----
1997	BPA PROGRAM		1992	1997	28,300	28,300	.07000
		28,300					
	BPA PROGRAM		1992	1997	50,000	50,000	.07000
		50,000					
	BPA PROGRAM		1992	2032	147,521	147,521	.08800
		42,389					
		-----					
	TOTAL	120,689					
1998	BPA PROGRAM		1993	1998	50,000	50,000	.06050



		50,000					
		BONNEVILLE POWER ADMINISTRATION	1953	1998	23,927	23,927	.05450
		23,927					
		BONNEVILLE POWER ADMINISTRATION	1953	1998	11,791	11,791	.05450
R		11,791					
		BPA PROGRAM	1992	2032	147,521	105,132	.08800
		37,529					
		-----					
		TOTAL					
		123,247					
1999		BPA PROGRAM	1989	1999	56,257	56,257	.08950
	R	56,257					
		BPA PROGRAM	1989	1999	16,909	16,909	.08950
		16,909					
		BONNEVILLE POWER ADMINISTRATION	1954	1999	24,211	24,211	.05580
		24,211					
		BONNEVILLE POWER ADMINISTRATION	1954	1999	17,809	17,809	.05580
R		17,809					
		BPA PROGRAM	1992	2032	147,521	67,603	.08800
		13,092					
		-----					
		TOTAL					
		128,278					
2000		BONNEVILLE POWER ADMINISTRATION	1955	2000	12,222	12,222	.05690
		12,222					
		BONNEVILLE POWER ADMINISTRATION	1955	2000	10,626	10,626	.05690
R		10,626					
		BPA PROGRAM	1992	2000	107,800	107,800	.06600
		107,800					
		BPA PROGRAM	1990	2030	1,149	1,149	.09250
		1,149					
		BPA PROGRAM	1990	2030	3,824	3,824	.09250
R		1,508					
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TOTAL  
133,305

2001	COLUMBIA BASIN	1959	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1960	2001	50	50	.05810
R	50					
	BPA PROGRAM	1995	2001	5,010	5,010	.08350
	5,010					
	COLUMBIA BASIN	1957	2001	50	50	.05810
R	50					
	BONNEVILLE POWER ADMINISTRATION	1956	2001	33,508	33,508	.05810
R	33,508					
	BONNEVILLE POWER ADMINISTRATION	1956	2001	15,154	15,154	.05810
	15,154					
	COLUMBIA BASIN	1961	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1962	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1956	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1963	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1964	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1965	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1955	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1966	2001	50	50	.05810
R	50					

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APPLICATION OF AMORTIZATION  
96 FINAL RATE FILING

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YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+							
	COLUMBIA BASIN		1958	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1967	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1954	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1968	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1969	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1970	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1953	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1952	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1951	2001	1,494	1,494	.05810
		1,494					
	COLUMBIA BASIN		1971	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1972	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1973	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1985	2001	12	12	.05810
		12					
	COLUMBIA BASIN		1974	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1975	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1976	2001	50	50	.05810

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R	50					
	COLUMBIA BASIN	1977	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1978	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1979	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1983	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1980	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1981	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1982	2001	50	50	.05810
R	50					
	BPA PROGRAM	1990	2030	3,824	2,316	.09250
R	2,316					
	BPA PROGRAM	1990	2030	41,894	41,894	.09250
	41,894					
	BPA PROGRAM	1992	2032	147,521	54,511	.08800
	28,057					
-----						
	TOTAL					
	129,045					
2002	BONNEVILLE POWER ADMINISTRATION	1957	2002	8,313	8,313	.05880
	8,313					
	BONNEVILLE POWER ADMINISTRATION	1957	2002	16,745	16,745	.05880
R	16,745					
	BPA PROGRAM	1992	2032	147,521	26,454	.08800
	26,454					
	BPA PROGRAM	1993	2033	88,984	88,984	.08350
	77,911					
-----						
	TOTAL					
	129,423					

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APPLICATION OF AMORTIZATION  
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REPAYMENT STUDY FOR 19

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+							
2003	HUNGRY HORSE		1982	2003	1	1	.05950
R		1					
	HUNGRY HORSE		1957	2003	1	1	.05950
R		1					
	BONNEVILLE POWER ADMINISTRATION		1958	2003	16,434	16,434	.05950
		16,434					
	HUNGRY HORSE		1981	2003	1	1	.05950
R		1					
	BONNEVILLE POWER ADMINISTRATION		1958	2003	11,228	11,228	.05950
R		11,228					
	HUNGRY HORSE		1959	2003	1	1	.05950
R		1					
	HUNGRY HORSE		1960	2003	1	1	.05950
R		1					
	HUNGRY HORSE		1956	2003	1	1	.05950
R		1					
	HUNGRY HORSE		1961	2003	1	1	.05950
R		1					
	HUNGRY HORSE		1980	2003	1	1	.05950
R		1					
	HUNGRY HORSE		1962	2003	1	1	.05950
R		1					
	HUNGRY HORSE		1963	2003	1	1	.05950
R		1					

R		1						
	HUNGRY HORSE		1955	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1964	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1979	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1965	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1954	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1966	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1958	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1967	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1978	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1968	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1953	2003	516	516	.05950	
		516						
	HUNGRY HORSE		1969	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1970	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1971	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1972	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1973	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1974	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1975	2003	1	1	.05950	
R		1						
	HUNGRY HORSE		1977	2003	1	1	.05950	
R		1						

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R	HUNGRY HORSE	1	1976	2003	1	.05950
					1	
R	HUNGRY HORSE	1	1983	2003	1	.05950
					1	
	BPA PROGRAM		1993	2033	88,984	.08350
		11,073				
	BPA PROGRAM		1994	2034	50,000	.08200
		50,000				
	BPA PROGRAM		1992	2032	150,000	.08130
		42,938				
-----						
	TOTAL					
		132,219				

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(ALL AMOUNT IN \$1000)

	PROJECT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	REPLACEMENT						
	2004	BONNEVILLE POWER ADMINISTRATION	1959	2004	8,647	8,647	.06000
		8,647					
	R	BONNEVILLE POWER ADMINISTRATION	1959	2004	9,395	9,395	.06000
		9,395					
		BPA PROGRAM	1992	2032	150,000	107,062	.08130
		107,062					
		BPA PROGRAM	1993	2033	130,000	130,000	.07800
		8,984					

		-----							
		TOTAL							
		134,088							
2005		BONNEVILLE POWER ADMINISTRATION	1960	2005	3,832	3,832	.06050		
		3,832							
		BONNEVILLE POWER ADMINISTRATION	1960	2005	4,492	4,492	.06050		
R		4,492							
		BPA PROGRAM	1993	2033	130,000	121,016	.07800		
		121,016							
		BPA PROGRAM	1995	2025	41,491	41,491	.07700		
		6,572							
		-----							
		TOTAL							
		135,912							
2006		BONNEVILLE POWER ADMINISTRATION	1961	2006	4,778	4,778	.06110		
		4,778							
		BONNEVILLE POWER ADMINISTRATION	1961	2006	12,053	12,053	.06110		
R		12,053							
		BPA PROGRAM	1995	2025	41,491	34,919	.07700		
		34,919							
		BPA PROGRAM	1995	2025	65,000	65,000	.07700		
		65,000							
		BPA PROGRAM	1993	2033	100,000	100,000	.07500		
		22,047							
		-----							
		TOTAL							
		138,797							
2007		BPA PROGRAM	1992	2007	107,700	107,700	.07250		
		107,700							
		BONNEVILLE POWER ADMINISTRATION	1962	2007	21,088	21,088	.06130		
		21,088							
		BONNEVILLE POWER ADMINISTRATION	1962	2007	5,248	5,248	.06130		
R		5,248							



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	BPA PROGRAM	1993	2033	100,000	77,953	.07500
	11,818					
	-----					
	TOTAL					
	145,854					
2008	MINIDOKA	1981	2008	22	22	.06150
R	22					
	YAKIMA-ROZA	1958	2008	175	175	.06150
	175					
	MINIDOKA	1980	2008	22	22	.06150
R	22					
	MINIDOKA	1982	2008	21	21	.06150
R	21					
	MINIDOKA	1979	2008	21	21	.06150
R	21					
	BONNEVILLE POWER ADMINISTRATION	1963	2008	5,283	5,283	.06150
	5,283					
	BONNEVILLE POWER ADMINISTRATION	1963	2008	4,692	4,692	.06150
R	4,692					
	BONNEVILLE POWER ADMINISTRATION	1963	2008	978	978	.06150
	978					
	MINIDOKA	1983	2008	22	22	.06150
R	22					
	BONNEVILLE POWER ADMINISTRATION	1963	2008	869	869	.06150
R	869					
	MINIDOKA	1978	2008	22	22	.06150
R	22					
	BPA PROGRAM	1993	2033	100,000	66,135	.07500
	66,135					
	BPA PROGRAM	1996	2041	148,702	148,702	.07240
	63,097					
	-----					
	TOTAL					
	141,359					

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96 FINAL RATE FILING

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(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2009	BONNEVILLE POWER ADMINISTRATION	4,996	1964	2009	4,996	4,996	.05160
R	BONNEVILLE POWER ADMINISTRATION	6,907	1964	2009	6,907	6,907	.05160
	BPA PROGRAM	85,605	1996	2041	148,702	85,605	.07240
	BPA PROGRAM	45,098	1994	2034	50,000	50,000	.07050
	TOTAL	142,606					
2010	FISH, WILDLIFE & ENVIRONMENTAL	12,100	1995	2010	12,100	12,100	.07200
	BONNEVILLE POWER ADMINISTRATION	4,064	1965	2010	4,064	4,064	.06180
R	BONNEVILLE POWER ADMINISTRATION	7,948	1965	2010	7,948	7,948	.06180
	BONNEVILLE POWER ADMINISTRATION	5,701	1965	2010	5,701	5,701	.06180
R	BONNEVILLE POWER ADMINISTRATION	11,146	1965	2010	11,146	11,146	.06180
	BPA PROGRAM		1994	2034	50,000	4,902	.07050

		4,902					
	BPA PROGRAM		1993	2033	110,000	110,000	.06950
		99,711					
		-----					
	TOTAL						
		145,572					
2011	FISH, WILDLIFE & ENVIRONMENTAL		1996	2011	15,000	15,000	.06950
		15,000					
	BONNEVILLE POWER ADMINISTRATION		1966	2011	13,047	13,047	.06200
		13,047					
R	BONNEVILLE POWER ADMINISTRATION		1966	2011	3,363	3,363	.06200
		3,363					
R	BONNEVILLE POWER ADMINISTRATION		1966	2011	7,326	7,326	.06200
		7,326					
R	BONNEVILLE POWER ADMINISTRATION		1966	2011	1,889	1,889	.06200
		1,889					
	BPA PROGRAM		1993	2033	110,000	10,289	.06950
		10,289					
	BPA PROGRAM		1997	2042	124,330	124,330	.06930
		94,500					
		-----					
	TOTAL						
		145,414					
2012	ICE HARBOR		1981	2012	1	1	.06220
R		1					
R	ICE HARBOR		1976	2012	1	1	.06220
		1					
R	ICE HARBOR		1982	2012	1	1	.06220
		1					
R	ICE HARBOR		1980	2012	1	1	.06220
		1					
R	FISH, WILDLIFE & ENVIRONMENTAL		1997	2012	12,200	12,200	.06600
		12,200					
	ICE HARBOR		1962	2012	548	548	.06220
		548					

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R	ICE HARBOR	1	1983	2012	1	.06220
R	ICE HARBOR	1	1975	2012	1	.06220
R	ICE HARBOR	1	1963	2012	1	.06220
R	ICE HARBOR	1	1979	2012	1	.06220
R	ICE HARBOR	1	1972	2012	1	.06220
R	ICE HARBOR	1	1964	2012	1	.06220
R	ICE HARBOR	1	1965	2012	1	.06220
R	ICE HARBOR	1	1974	2012	1	.06220

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YEAR ----- INVESTMENT  
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(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+							
R	ICE HARBOR	1	1977	2012	1	1	.06220
R	ICE HARBOR	1	1966	2012	1	1	.06220
R	ICE HARBOR	1	1978	2012	1	1	.06220
R	ICE HARBOR	1	1967	2012	1	1	.06220

R		1						
	ICE HARBOR		1971	2012	1	1	.06220	
R		1						
	BONNEVILLE POWER ADMINISTRATION	21,053	1967	2012	21,053	21,053	.06220	
	BONNEVILLE POWER ADMINISTRATION	5,059	1967	2012	5,059	5,059	.06220	
R		5,059						
	BONNEVILLE POWER ADMINISTRATION	15,843	1967	2012	15,843	15,843	.06220	
	BONNEVILLE POWER ADMINISTRATION	3,807	1967	2012	3,807	3,807	.06220	
R		3,807						
	ICE HARBOR		1973	2012	1	1	.06220	
R		1						
	ICE HARBOR		1968	2012	1	1	.06220	
R		1						
	ICE HARBOR		1969	2012	1	1	.06220	
R		1						
	ICE HARBOR		1970	2012	1	1	.06220	
R		1						
	BPA PROGRAM	29,830	1997	2042	124,330	29,830	.06930	
	BPA PROGRAM	35,722	1994	2034	35,722	35,722	.06850	
	BPA PROGRAM	23,060	1994	2033	108,400	108,400	.06850	
	-----							
	TOTAL	147,143						
2013	FISH, WILDLIFE & ENVIRONMENTAL	11,200	1998	2013	11,200	11,200	.06400	
	BONNEVILLE POWER ADMINISTRATION	45,776	1968	2013	45,776	45,776	.06240	
	BONNEVILLE POWER ADMINISTRATION	9,001	1968	2013	9,001	9,001	.06240	
R		9,001						
	BONNEVILLE POWER ADMINISTRATION	25,861	1968	2013	25,861	25,861	.06240	
	BONNEVILLE POWER ADMINISTRATION	5,085	1968	2013	5,085	5,085	.06240	

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R	5,085						
	BPA PROGRAM	1994	2033	108,400	85,340	.06850	
	52,098						
	-----						
	TOTAL						
	149,021						
2014	FISH, WILDLIFE & ENVIRONMENTAL	1999	2014	11,500	11,500	.06380	
	11,500						
	BONNEVILLE POWER ADMINISTRATION	1969	2014	229	229	.06260	
R	229						
	BONNEVILLE POWER ADMINISTRATION	1969	2014	430	430	.06260	
	430						
	BONNEVILLE POWER ADMINISTRATION	1969	2014	25,239	25,239	.06260	
R	25,239						
	BONNEVILLE POWER ADMINISTRATION	1969	2014	47,301	47,301	.06260	
	47,301						
	BPA PROGRAM	1994	2033	108,400	33,242	.06850	
	33,242						
	BPA PROGRAM	1998	2043	121,417	121,417	.06720	
	30,303						
	-----						
	TOTAL						
	148,244						

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2000 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR ----- INVESTMENT  
 PAID-----

(ALL AMOUNT IN \$1000)

PROJECT IN-SERVICE DUE GROSS NET RATE

+	REPLACEMENT	AMOUNT					
2015	FISH, WILDLIFE & ENVIRONMENTAL	11,900	2000	2015	11,900	11,900	.06360
		11,900					
R	BONNEVILLE POWER ADMINISTRATION	3,380	1970	2015	3,380	3,380	.06280
		3,380					
	BONNEVILLE POWER ADMINISTRATION	27,471	1970	2015	27,471	27,471	.06280
		27,471					
R	BONNEVILLE POWER ADMINISTRATION	8,997	1970	2015	8,997	8,997	.06280
		8,997					
	BONNEVILLE POWER ADMINISTRATION	73,118	1970	2015	73,118	73,118	.06280
		73,118					
	BPA PROGRAM	24,468	1998	2043	121,417	91,114	.06720
		24,468					
	-----						
	TOTAL	149,334					
2016	BONNEVILLE POWER ADMINISTRATION	19,910	1971	2016	19,910	19,910	.06300
R		19,910					
	BONNEVILLE POWER ADMINISTRATION	13,476	1971	2016	13,476	13,476	.06300
		13,476					
	BONNEVILLE POWER ADMINISTRATION	20,054	1971	2016	20,054	20,054	.06300
R		20,054					
	BONNEVILLE POWER ADMINISTRATION	13,574	1971	2016	13,574	13,574	.06300
		13,574					
	BPA PROGRAM	66,646	1998	2043	121,417	66,646	.06720
		66,646					
	ICE HARBOR	250	1976	2026	250	250	.06490
		250					
	COLUMBIA BASIN- 3RD POWER HOUSE	8,834	1976	2026	8,834	8,834	.06490
		8,834					
	COLUMBIA BASIN- 3RD POWER HOUSE	4,294	1977	2027	8,761	8,761	.06490
		4,294					
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TOTAL  
147,038

2017	BONNEVILLE POWER ADMINISTRATION	1972	2017	3,206	3,206	.06320
R	3,206					
	BONNEVILLE POWER ADMINISTRATION	1972	2017	4,442	4,442	.06320
	4,442					
	BONNEVILLE POWER ADMINISTRATION	1972	2017	23,677	23,677	.06320
R	23,677					
	BONNEVILLE POWER ADMINISTRATION	1972	2017	32,799	32,799	.06320
	32,799					
	COLUMBIA BASIN- 3RD POWER HOUSE	1977	2027	8,761	4,467	.06490
	4,467					
	COLUMBIA BASIN- 3RD POWER HOUSE	1978	2028	8,692	8,692	.06490
	8,692					
	COLUMBIA BASIN- 3RD POWER HOUSE	1979	2029	17,254	17,254	.06490
	17,254					
	BONNEVILLE - 2ND POWER HOUSE	1981	2031	502	502	.06490
	502					
	BONNEVILLE - 2ND POWER HOUSE	1982	2032	2,495	2,495	.06490
	2,495					
	COLUMBIA BASIN- 3RD POWER HOUSE	1984	2033	3,486	3,486	.06490
	3,486					
	BONNEVILLE - 2ND POWER HOUSE	1983	2033	765	765	.06490
	765					
	COLUMBIA BASIN- 3RD POWER HOUSE	1986	2033	2,041	2,041	.06490
	2,041					
	COLUMBIA BASIN- 3RD POWER HOUSE	1985	2033	2,273	2,273	.06490
	2,273					
	COLUMBIA BASIN- 3RD POWER HOUSE	1987	2033	1,908	1,908	.06490
	1,908					
	COLUMBIA BASIN- 3RD POWER HOUSE	1988	2033	2,531	2,531	.06490
	2,531					
	COLUMBIA BASIN- 3RD POWER HOUSE	1975	2025	8,202	8,202	.06470
	8,202					
	BPA PROGRAM	1999	2044	133,721	133,721	.06610
	29,166					

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TOTAL  
147,906

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YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
2018	BONNEVILLE POWER ADMINISTRATION	11,673	1973	2018	11,673	11,673	.06340
R		11,673					
	BONNEVILLE POWER ADMINISTRATION	24,141	1973	2018	24,141	24,141	.06340
R		24,141					
	BONNEVILLE POWER ADMINISTRATION	37,664	1973	2018	37,664	37,664	.06340
		37,664					
	BONNEVILLE POWER ADMINISTRATION	18,212	1973	2018	18,212	18,212	.06340
		18,212					
	BPA PROGRAM	54,399	1999	2044	133,721	104,555	.06610
		54,399					
	TOTAL	146,089					
2019	BONNEVILLE POWER ADMINISTRATION	23,314	1974	2019	23,314	23,314	.06360
R		23,314					
	BONNEVILLE POWER ADMINISTRATION	24,283	1974	2019	24,283	24,283	.06360
R		24,283					
	BONNEVILLE POWER ADMINISTRATION		1974	2019	13,977	13,977	.06360

	13,977						
	BONNEVILLE POWER ADMINISTRATION	1974	2019	13,421	13,421	.06360	
	13,421						
	BPA PROGRAM	1999	2044	133,721	50,156	.06610	
	50,156						
	DWORSHAK	1979	2023	4	4	.06430	
R	4						
	DWORSHAK	1975	2023	4	4	.06430	
R	4						
	DWORSHAK	1977	2023	4	4	.06430	
R	4						
	DWORSHAK	1978	2023	4	4	.06430	
R	4						
	DWORSHAK	1976	2023	4	4	.06430	
R	4						
	DWORSHAK	1980	2023	4	4	.06430	
R	4						
	DWORSHAK	1983	2023	4	4	.06430	
R	4						
	DWORSHAK	1973	2023	896	896	.06430	
	896						
	DWORSHAK	1981	2023	4	4	.06430	
R	4						
	DWORSHAK	1982	2023	4	4	.06430	
R	4						
	DWORSHAK	1974	2023	4	4	.06430	
R	4						
	BONNEVILLE POWER ADMINISTRATION	1977	2022	5,934	5,934	.06410	
R	5,934						
	YAKIMA-CHANDLER	1962	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1967	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1975	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1968	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1961	2022	1	1	.06410	
R	1						

		Prtt.txt				
R	YAKIMA-CHANDLER	1970	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1965	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1973	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1960	2022	1	1	.06410
	1					
	YAKIMA-CHANDLER	1956	2022	242	242	.06410
	242					
R	YAKIMA-CHANDLER	1976	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1959	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1974	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1964	2022	1	1	.06410
	1					
R	YAKIMA-CHANDLER	1963	2022	1	1	.06410
	1					

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2000 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+						
YAKIMA-CHANDLER	1	1977	2022	1	1	.06410
R						
YAKIMA-CHANDLER		1971	2022	1	1	.06410

	R	1	BONNEVILLE POWER ADMINISTRATION	1977	2022	37,113	37,113	.06410
		12,919						
		-----						
		TOTAL						
		145,198						
2020			BONNEVILLE POWER ADMINISTRATION	1975	2020	13,020	13,020	.06380
	R	13,020						
			BONNEVILLE POWER ADMINISTRATION	1975	2020	24,312	24,312	.06380
	R	24,312						
			BONNEVILLE POWER ADMINISTRATION	1975	2020	35,527	35,527	.06380
		35,527						
			BONNEVILLE POWER ADMINISTRATION	1975	2020	19,025	19,025	.06380
		19,025						
			BONNEVILLE POWER ADMINISTRATION	1977	2022	37,113	24,194	.06410
		24,194						
			YAKIMA-CHANDLER	1969	2022	1	1	.06410
	R	1						
			YAKIMA-CHANDLER	1972	2022	1	1	.06410
	R	1						
			BONNEVILLE POWER ADMINISTRATION	1977	2022	9,613	9,613	.06410
	R	9,613						
			YAKIMA-CHANDLER	1966	2022	1	1	.06410
	R	1						
			BONNEVILLE POWER ADMINISTRATION	1977	2022	4,354	4,354	.06410
		4,354						
			BONNEVILLE POWER ADMINISTRATION	1976	2021	2,447	2,447	.06390
	R	2,447						
			BONNEVILLE POWER ADMINISTRATION	1976	2021	67,534	67,534	.06390
		13,229						
		-----						
		TOTAL						
		145,724						
2021			BONNEVILLE POWER ADMINISTRATION	1976	2021	67,534	54,305	.06390
		54,305						

		Prtt.txt				
	BPA PROGRAM	2000	2045	155,426	155,426	.06460
	86,854					
	-----					
	TOTAL					
	141,159					
2022	BPA PROGRAM	2000	2045	155,426	68,572	.06460
	68,572					
R	BPA PROGRAM	2001	2046	117,631	117,631	.06460
	69,107					
	-----					
	TOTAL					
	137,679					
2023	BPA PROGRAM	2001	2046	117,631	48,524	.06460
R	48,524					
R	BPA PROGRAM	2002	2047	121,313	121,313	.06460
	87,122					
	-----					
	TOTAL					
	135,646					
2024	BPA PROGRAM	2002	2047	121,313	34,191	.06460
R	34,191					
R	BPA PROGRAM	2003	2048	124,744	124,744	.06460
	99,192					
	-----					
	TOTAL					
	133,383					

1

YEAR PAID	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
(ALL AMOUNT IN \$1000)							
+							
2025	BPA PROGRAM		2003	2048	124,744	25,552	.06460
	R	25,552					
	BPA PROGRAM		2004	2049	127,984	127,984	.06460
	R	105,334					
	-----						
	TOTAL	130,886					
2026	BPA PROGRAM		2004	2049	127,984	22,650	.06460
	R	22,650					
	BPA PROGRAM		2005	2050	131,199	131,199	.06460
	R	105,494					
	-----						
	TOTAL	128,144					
2027	BPA PROGRAM		2005	2050	131,199	25,705	.06460
	R	25,705					
	BPA PROGRAM		2006	2051	134,327	134,327	.06460
	R	99,437					
	-----						
	TOTAL	125,142					
2028	BPA PROGRAM		2006	2051	134,327	34,890	.06460

		Prtt.txt				
	R	34,890				
	BPA PROGRAM		2007	2052	137,297	137,297 .06460
	R	86,977				
	-----					
	TOTAL	121,867				
2029	BPA PROGRAM		2007	2052	137,297	50,320 .06460
	R	50,320				
	BPA PROGRAM		2008	2053	139,972	139,972 .06460
	R	67,980				
	-----					
	TOTAL	118,300				
2030	BPA PROGRAM		2008	2053	139,972	71,992 .06460
	R	71,992				
	BPA PROGRAM		2009	2054	142,337	142,337 .06460
	R	42,425				
	-----					
	TOTAL	114,417				
2031	BPA PROGRAM		2009	2054	142,337	99,912 .06460
	R	99,912				
	BPA PROGRAM		2010	2055	144,302	144,302 .06460
	R	10,284				
	-----					
	TOTAL	110,196				
2032	BPA PROGRAM		2010	2055	144,302	134,018 .06460
	R	105,577				
	-----					

	TOTAL					
		105,577				
2033	BPA PROGRAM		2010	2055	144,302	28,441 .06460
	R	28,441				
	BPA PROGRAM		2011	2056	146,135	146,135 .06460
	R	72,147				
		-----				
	TOTAL	100,588				

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2000 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR ----- INVESTMENT  
 PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	-----	-----	-----	-----	-----	-----	-----
2034	BPA PROGRAM		2011	2056	146,135	73,988	.06460
	R	73,988					
	BPA PROGRAM		2012	2057	148,000	148,000	.06460
	R	21,210					
		-----					
	TOTAL	95,198					
2035	BPA PROGRAM		2012	2057	148,000	126,790	.06460
	R	89,323					



		-----				
TOTAL		89,323				
2036	BPA PROGRAM	2012	2057	148,000	37,467	.06460
R	37,467					
	BPA PROGRAM	2013	2058	149,909	149,909	.06460
R	45,532					
		-----				
TOTAL		82,999				
2037	BPA PROGRAM	2013	2058	149,909	104,377	.06460
R	76,181					
		-----				
TOTAL		76,181				
2038	BPA PROGRAM	2013	2058	149,909	28,196	.06460
R	28,196					
	BPA PROGRAM	2014	2059	151,849	151,849	.06460
R	40,622					
		-----				
TOTAL		68,818				
2039	BPA PROGRAM	2014	2059	151,849	111,227	.06460
R	60,919					
		-----				
TOTAL		60,919				
2040	BPA PROGRAM	2014	2059	151,849	50,308	.06460
R	50,308					

			Prtt.txt			
	R	BPA PROGRAM 2,157	2015	2060	153,916	153,916 .06460
		-----				
		TOTAL 52,465				
2041	R	BPA PROGRAM 43,335	2015	2060	153,916	151,759 .06460
		-----				
		TOTAL 43,335				
2042	R	BPA PROGRAM 33,613	2015	2060	153,916	108,424 .06460
		-----				
		TOTAL 33,613				
2043	R	BPA PROGRAM 23,184	2015	2060	153,916	74,811 .06460
		-----				
		TOTAL 23,184				

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2000 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR ----- INVESTMENT  
 PAID-----

(ALL AMOUNT IN \$1000)

PROJECT		Prtt.txt				
REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+						
2044	BPA PROGRAM	2015	2060	153,916	51,627	.06460
R	11,999					
	-----					
	TOTAL					
	11,999					
2045	BPA PROGRAM	2015	2060	153,916	39,628	.06460
R	18					
	-----					
	TOTAL					
	18					
0	GRAND TOTAL					
	5,592,541					
0	TOTAL DEFERRAL					
	0					
	-----					
0	NET					
	5,592,541					

1  
1INPUT CARDS ONLY  
N1 REPAYMENT STUDY FOR 1996 FINAL RATE FILING  
N2 OCTOBER 1,2000 - SEPTEMBER 30,2001 COST EVALUATION PERIOD  
N3 REPAY 01 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT  
N0 TRANSMISSION

11996 0 0 0 200120462046  
0HISTORICAL YEAR: 1996  
HISTORICAL CUMULATIVE REVENUES: 0  
HISTORICAL CUMULATIVE PURCHASE & EXCHANGE: 0  
HISTORICAL CUMULATIVE IRRIGATION INVESTMENT: 0

YEAR OF THE RATE CHANGE: 2001  
LAST YEAR OF REPAYMENT PERIOD: 2046

INTEREST RATES OF INTEREST INCOME

1X07495 07492 07449 07321 07261

INTEREST RATES OF NEW DEFERRALS

1Y06500 06250 06000 05875 05750

OPERATING YEAR FACTORS

1F75000 75000 75000 75000 75000

PROJECTED REVENUE

21997	332119	334432	338643	343202	335220	335220	335220	2354056
22003	335220	335220	335220	335220	335220	335220	335220	2346540
22010	335220	335220	335220	335220	335220	335220	335220	2346540
22017	335220	335220	335220	335220	335220	335220	335220	2346540
22024	335220	335220	335220	335220	335220	335220	335220	2346540
22031	335220	335220	335220	335220	335220	335220	335220	2346540
22038	335220	335220	335220	335220	335220	335220	335220	2346540
22045	335220	335220	335220	335220	335220	335220	335220	2346540
22052	335220	335220						670440
AL FOR 2	3013879	3016192	2685183	2689742	2681760	2681760	2681760	19450276 = TOT

PROJECTED IRRIGATION ASSISTANCE

	NEW INVESTMENT	NEW INVESTMENT	NEW INVESTMENT	
31997	0	0	0	0
31999	0	0	0	0
32002	0	0	0	0
32005	0	0	0	0
32008	0	0	0	0

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32011	0	0	0	0	0
32014	0	0	0	0	0
32017	0	0	0	0	0
32020	0	0	0	0	0
32023	0	0	0	0	0
32026	0	0	0	0	0
32029	0	0	0	0	0
32032	0	0	0	0	0
32035	0	0	0	0	0
32038	0	0	0	0	0
32041	0	0	0	0	0
32044	0	0	0	0	0
32047	0	0	0	0	0
32050	0	0	0	0	0
	0	0	0	0	0 = TOT

AL FOR 3

CAPITALIZED CONTRACTUAL OBLIGATIONS

41997	0	0	0	0	0	-1087	-1117	-2204
42004	-1148	-1178	-1207	-1236	-1264	-1292	-1319	-8644
42011	-1346	-1372	-1397	-1422	-1447	-1470	-1493	-9947
42018	-1517	-1538	-1559	-1580	-1600	-1618	-1636	-11048
42025	-1655	-1671	-1686	-1701	-1715	-1726	-1737	-11891
42032	-1747	-1755	-1761	-1766	-1771	-1771	-1766	-12337
42039	-1760	-1754	-1751	-1748	-1745	-1746	-1763	-12267
42046	-1782							-1782
	-10955	-9268	-9361	-9453	-9542	-10710	-10831	-70120 = TOT

AL FOR 4

- 5 ALBE ALBENI FALLS
- 5 BOIS BOISE
- 5 BON2 BONNEVILLE - 2ND POWER HOUSE
- 5 BONN BONNEVILLE
- 5 CHIE CHIEF JOSEPH
- 5 COL3 COLUMBIA BASIN- 3RD POWER HOUSE
- 5 COLU COLUMBIA BASIN

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5	COUG	COUGAR
5	CRFB	COLUMBIA RIVER FISH MITIGATION
5	DETR	DETROIT-BIG CLIFF
5	DWOR	DWORSHAK
5	GREE	GREEN PETER-FOSTER
5	HILL	HILLS CREEK
5	HUNG	HUNGRY HORSE
5	ICEH	ICE HARBOR
5	JOHN	JOHN DAY
5	LIBB	LIBBY
5	LITT	LITTLE GOOSE
5	LOOK	LOOKOUT POINT-DEXTER
5	LOST	LOST CREEK
5	LOWG	LOWER GRANITE
5	LOWM	LOWER MONUMENTAL
5	LSFW	LOWER SNAKE F AND W
5	MCNA	MCNARY
5	MINI	MINIDOKA
5	STRU	STRUBE
5	THED	THE DALLES
5	YAKC	YAKIMA-CHANDLER
5	YAKR	YAKIMA-ROZA
5	ZABF	BPA PROGRAM
5	ZADB	BUREAU DIRECT FUND
5	ZAFW	FISH, WILDLIFE & ENVIRONMENTAL
5	ZBPA	BONNEVILLE POWER ADMINISTRATION

HISTORICAL

	O & M	INTEREST	
5	ALBEX	0	0
5	BOISX	0	0
5	BONNX	0	0
5	CHIEX	0	0
5	COLUX	0	0
5	COUGX	0	0
5	DETRX	0	0
5	DWORX	0	0
5	GREEX	0	0
5	HILLX	0	0

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5	HUNGX	0	0	0
5	ICEHX	0	0	0
5	JOHNX	0	0	0
5	LIBBX	0	0	0
5	LITTX	0	0	0
5	LOOKX	0	0	0
5	LOSTX	0	0	0
5	LOWGX	0	0	0
5	LOWMX	0	0	0
5	MCNAX	0	0	0
5	MINIX	0	0	0
5	THEDX	0	0	0
5	YAKCX	0	0	0
5	YAKRX	0	0	0
5	ZBPAX	0	0	0
5	ZACOX	0	0	0
		0	0	0 = TOT

AL FOR 5

PROJECTED O & M

61996ALBE	0
61996BONN	81
61997BONN	81
61998BONN	85
61999BONN	85
62000BONN	87
62001BONN	93
61996CHIE	0
61996COUG	0
61996DETR	0
61996DWOR	32
61997DWOR	32
61998DWOR	35
61999DWOR	36
62000DWOR	38
62001DWOR	40
61996GREE	0
61996HILL	0

61996ICEH	43
61997ICEH	43
61998ICEH	47
61999ICEH	48
62000ICEH	50
62001ICEH	53
61996JOHN	0
61996LIBB	0
61996LITT	0
61996LOOK	0
61996LOST	0
61996LOWG	0
61996LOWM	0
61996MCNA	0
61996THED	0
61996BOIS	174
61997BOIS	173
61998BOIS	188
61999BOIS	154
62000BOIS	131
62001BOIS	58
61996COLU	3915
61997COLU	3847
61998COLU	4184
61999COLU	4344
62000COLU	4469
62001COLU	4607
61996HUNG	20
61997HUNG	19
61998HUNG	20
61999HUNG	20
62000HUNG	21
62001HUNG	22
61996MINI	271
61997MINI	107
61998MINI	74
61999MINI	77
62000MINI	79
62001MINI	82



61996YAKC	98
61997YAKC	98
61998YAKC	109
61999YAKC	114
62000YAKC	116
62001YAKC	118
61996YAKR	97
61997YAKR	98
61998YAKR	109
61999YAKR	113
62000YAKR	116
62001YAKR	118
61996LSFW	0
	29369

29369 = TOT

AL FOR 6

61994ZABF	0
	0

0 = TOT

AL FOR 6

HISTORICAL FEDERAL INVESTMENTS

			ORIGINAL	CURRENT	INTEREST	DUE	INSERVICE	CALENDAR
	PROJECT		PRINCIPAL	PRINCIPAL	RATE	DATE	DATE	MONTH
6	1996	BOIS X	285	0	.03000	1962	1912	
6	1996	BOIS X	190	0	.03000	1976	1926	
6	1996	BOIS X	95	0	.03000	2000	1950	
6	1996	BOIS X	428	0	.03000	2001	1951	
6	1996	BOIS X	3	0	.03000	2001 R	1952	
6	1996	BOIS X	3	0	.03000	2001 R	1953	
6	1996	BOIS X	3	0	.03000	2001 R	1954	
6	1996	BOIS X	3	0	.03000	2001 R	1955	
6	1996	BOIS X	3	0	.03000	2001 R	1956	
6	1996	BOIS X	3	0	.03000	2001 R	1957	
6	1996	BOIS X	3	0	.03000	2001 R	1958	

Prtt.txt

6	1996	BOIS	X	3	0	.03000	2001	R	1959
6	1996	BOIS	X	3	0	.03000	2001	R	1960
6	1996	BOIS	X	3	0	.03000	2001	R	1961
6	1996	BOIS	X	3	0	.03000	2001	R	1962
6	1996	BOIS	X	3	0	.03000	2001	R	1963
6	1996	BOIS	X	3	0	.03000	2001	R	1964
6	1996	BOIS	X	3	0	.03000	2001	R	1965
6	1996	BOIS	X	3	0	.03000	2001	R	1966
6	1996	BOIS	X	3	0	.03000	2001	R	1967
6	1996	BOIS	X	3	0	.03000	2001	R	1968
6	1996	BOIS	X	3	0	.03000	2001	R	1969
6	1996	BOIS	X	3	0	.03000	2001	R	1970
6	1996	BOIS	X	3	0	.03000	2001	R	1971
6	1996	BOIS	X	3	0	.03000	2001	R	1972
6	1996	BOIS	X	3	0	.03000	2001	R	1973
6	1996	BOIS	X	3	0	.03000	2001	R	1974
6	1996	BOIS	X	3	0	.03000	2001	R	1975
6	1996	BOIS	X	3	0	.03000	2001	R	1976
6	1996	BOIS	X	3	0	.03000	2001	R	1977
6	1996	BOIS	X	3	0	.03000	2001	R	1978
6	1996	BOIS	X	3	0	.03000	2001	R	1979
6	1996	BOIS	X	4	0	.03000	2001	R	1980
6	1996	BOIS	X	2	0	.03000	2001	R	1981
6	1996	BOIS	X	1	0	.03000	2001	R	1982
6	1996	BOIS	X	2	0	.03000	2001	R	1983
6	1996	BOIS	X	303	0	.10750	2001	R	1984
6	1996	BON2	X	502	502	.06490	2031	A	1981
6	1996	BON2	X	2495	2495	.06490	2032	A	1982
6	1996	BON2	X	765	765	.06490	2033	A	1983
6	1996	BONN	X	130	0	.02500	1988		1938
6	1996	BONN	X	196	0	.02500	1991		1941
6	1996	BONN	X	65	0	.02500	1992		1942
6	1996	BONN	X	196	0	.02500	1993		1943
6	1996	BONN	X	65	0	.02500	1994		1944
6	1996	BONN	X	1	0	.02500	1994	R	1945
6	1996	BONN	X	1	0	.02500	1994	R	1946
6	1996	BONN	X	1	0	.02500	1994	R	1947
6	1996	BONN	X	1	0	.02500	1994	R	1948
6	1996	BONN	X	1	0	.02500	1994	R	1949

							Prtt.txt
6	1996	BONN	X	1	0	.02500	1994 R 1950
6	1996	BONN	X	1	0	.02500	1994 R 1951
6	1996	BONN	X	1	0	.02500	1994 R 1952
6	1996	BONN	X	1	0	.02500	1994 R 1953
6	1996	BONN	X	1	0	.02500	1994 R 1954
6	1996	BONN	X	1	0	.02500	1994 R 1955
6	1996	BONN	X	1	0	.02500	1994 R 1956
6	1996	BONN	X	1	0	.02500	1994 R 1957
6	1996	BONN	X	1	0	.02500	1994 R 1958
6	1996	BONN	X	1	0	.02500	1994 R 1959
6	1996	BONN	X	1	0	.02500	1994 R 1960
6	1996	BONN	X	1	0	.02500	1994 R 1961
6	1996	BONN	X	1	0	.02500	1994 R 1962
6	1996	BONN	X	1	0	.02500	1994 R 1963
6	1996	BONN	X	1	0	.02500	1994 R 1964
6	1996	BONN	X	1	0	.02500	1994 R 1965
6	1996	BONN	X	1	0	.02500	1994 R 1966
6	1996	BONN	X	1	0	.02500	1994 R 1967
6	1996	BONN	X	1	0	.02500	1994 R 1968
6	1996	BONN	X	1	0	.02500	1994 R 1969
6	1996	BONN	X	1	0	.02500	1994 R 1970
6	1996	BONN	X	1	0	.02500	1994 R 1971
6	1996	BONN	X	1	0	.02500	1994 R 1972
6	1996	BONN	X	1	0	.02500	1994 R 1973
6	1996	BONN	X	1	0	.02500	1994 R 1974
6	1996	BONN	X	1	0	.02500	1994 R 1975
6	1996	BONN	X	1	0	.02500	1994 R 1976
6	1996	BONN	X	1	0	.02500	1994 R 1977
6	1996	BONN	X	1	0	.02500	1994 R 1978
6	1996	BONN	X	1	0	.02500	1994 R 1979
6	1996	BONN	X	1	0	.02500	1994 R 1980
6	1996	BONN	X	1	0	.02500	1994 R 1981
6	1996	BONN	X	1	0	.02500	1994 R 1982
6	1996	BONN	X	1	0	.02500	1994 R 1983
6	1996	BONN	X	10	0	.10750	1994 R 1984
6	1996	COL3	X	9469	8202	.06470	2025 A 1975
6	1996	COL3	X	8834	8834	.06490	2026 A 1976
6	1996	COL3	X	8761	8761	.06490	2027 A 1977
6	1996	COL3	X	8692	8692	.06490	2028 A 1978

6	1996	COL3	X	17254	17254	.06490	2029	A	1979
6	1996	COL3	X	3486	3486	.06490	2033	A	1984
6	1996	COL3	X	2273	2273	.06490	2033	A	1985
6	1996	COL3	X	2041	2041	.06490	2033	A	1986
6	1996	COL3	X	1908	1908	.06490	2033	A	1987
6	1996	COL3	X	2531	2531	.06490	2033	A	1988
6	1996	COLU	X	1505	0	.03000	1991		1941
6	1996	COLU	X	3011	0	.03000	1992		1942
6	1996	COLU	X	1505	0	.03000	1993		1943
6	1996	COLU	X	3011	0	.03000	1994		1944
6	1996	COLU	X	4516	0	.03000	1998		1948
6	1996	COLU	X	4516	0	.03000	1999		1949
6	1996	COLU	X	3011	0	.03000	2000		1950
6	1996	COLU	X	5847	1494	.05810	2001		1951
6	1996	COLU	X	50	50	.05810	2001	R	1952
6	1996	COLU	X	50	50	.05810	2001	R	1953
6	1996	COLU	X	50	50	.05810	2001	R	1954
6	1996	COLU	X	50	50	.05810	2001	R	1955
6	1996	COLU	X	50	50	.05810	2001	R	1956
6	1996	COLU	X	50	50	.05810	2001	R	1957
6	1996	COLU	X	50	50	.05810	2001	R	1958
6	1996	COLU	X	50	50	.05810	2001	R	1959
6	1996	COLU	X	50	50	.05810	2001	R	1960
6	1996	COLU	X	50	50	.05810	2001	R	1961
6	1996	COLU	X	50	50	.05810	2001	R	1962
6	1996	COLU	X	50	50	.05810	2001	R	1963
6	1996	COLU	X	50	50	.05810	2001	R	1964
6	1996	COLU	X	50	50	.05810	2001	R	1965
6	1996	COLU	X	50	50	.05810	2001	R	1966
6	1996	COLU	X	50	50	.05810	2001	R	1967
6	1996	COLU	X	50	50	.05810	2001	R	1968
6	1996	COLU	X	50	50	.05810	2001	R	1969
6	1996	COLU	X	50	50	.05810	2001	R	1970
6	1996	COLU	X	50	50	.05810	2001	R	1971
6	1996	COLU	X	50	50	.05810	2001	R	1972
6	1996	COLU	X	50	50	.05810	2001	R	1973
6	1996	COLU	X	50	50	.05810	2001	R	1974
6	1996	COLU	X	50	50	.05810	2001	R	1975
6	1996	COLU	X	50	50	.05810	2001	R	1976

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6	1996	COLU	X	50	50	.05810	2001	R	1977
6	1996	COLU	X	50	50	.05810	2001	R	1978
6	1996	COLU	X	50	50	.05810	2001	R	1979
6	1996	COLU	X	50	50	.05810	2001	R	1980
6	1996	COLU	X	50	50	.05810	2001	R	1981
6	1996	COLU	X	50	50	.05810	2001	R	1982
6	1996	COLU	X	50	50	.05810	2001	R	1983
6	1996	COLU	X	1455	0	.10750	2001	R	1984
6	1996	COLU	X	362	0	.12375	2001	R	1985
6	1996	COLU	X	12	12	.05810	2001		1985
6	1996	COLU	X	2	0	.08500	2001	R	1988
6	1996	COLU	X	652	0	.08500	2001		1992
6	1996	DWOR	X	929	896	.06430	2023		1973
6	1996	DWOR	X	4	4	.06430	2023	R	1974
6	1996	DWOR	X	4	4	.06430	2023	R	1975
6	1996	DWOR	X	4	4	.06430	2023	R	1976
6	1996	DWOR	X	4	4	.06430	2023	R	1977
6	1996	DWOR	X	4	4	.06430	2023	R	1978
6	1996	DWOR	X	4	4	.06430	2023	R	1979
6	1996	DWOR	X	4	4	.06430	2023	R	1980
6	1996	DWOR	X	4	4	.06430	2023	R	1981
6	1996	DWOR	X	4	4	.06430	2023	R	1982
6	1996	DWOR	X	4	4	.06430	2023	R	1983
6	1996	DWOR	X	15	0	.10750	2023	R	1984
6	1996	HUNG	X	2152	516	.05950	2003		1953
6	1996	HUNG	X	1	1	.05950	2003	R	1954
6	1996	HUNG	X	1	1	.05950	2003	R	1955
6	1996	HUNG	X	1	1	.05950	2003	R	1956
6	1996	HUNG	X	1	1	.05950	2003	R	1957
6	1996	HUNG	X	1	1	.05950	2003	R	1958
6	1996	HUNG	X	1	1	.05950	2003	R	1959
6	1996	HUNG	X	1	1	.05950	2003	R	1960
6	1996	HUNG	X	1	1	.05950	2003	R	1961
6	1996	HUNG	X	1	1	.05950	2003	R	1962
6	1996	HUNG	X	1	1	.05950	2003	R	1963
6	1996	HUNG	X	1	1	.05950	2003	R	1964
6	1996	HUNG	X	1	1	.05950	2003	R	1965
6	1996	HUNG	X	1	1	.05950	2003	R	1966
6	1996	HUNG	X	1	1	.05950	2003	R	1967

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6	1996	HUNG	X	1	1	.05950	2003	R	1968
6	1996	HUNG	X	1	1	.05950	2003	R	1969
6	1996	HUNG	X	1	1	.05950	2003	R	1970
6	1996	HUNG	X	1	1	.05950	2003	R	1971
6	1996	HUNG	X	1	1	.05950	2003	R	1972
6	1996	HUNG	X	1	1	.05950	2003	R	1973
6	1996	HUNG	X	1	1	.05950	2003	R	1974
6	1996	HUNG	X	1	1	.05950	2003	R	1975
6	1996	HUNG	X	1	1	.05950	2003	R	1976
6	1996	HUNG	X	1	1	.05950	2003	R	1977
6	1996	HUNG	X	1	1	.05950	2003	R	1978
6	1996	HUNG	X	1	1	.05950	2003	R	1979
6	1996	HUNG	X	1	1	.05950	2003	R	1980
6	1996	HUNG	X	1	1	.05950	2003	R	1981
6	1996	HUNG	X	1	1	.05950	2003	R	1982
6	1996	HUNG	X	1	1	.05950	2003	R	1983
6	1996	HUNG	X	1	0	.10750	2003	R	1984
6	1996	HUNG	X	37	0	.12375	2003	R	1985
6	1996	HUNG	X	9	0	.08500	2003		1992
6	1996	ICEH	X	719	548	.06220	2012		1962
6	1996	ICEH	X	1	1	.06220	2012	R	1963
6	1996	ICEH	X	1	1	.06220	2012	R	1964
6	1996	ICEH	X	1	1	.06220	2012	R	1965
6	1996	ICEH	X	1	1	.06220	2012	R	1966
6	1996	ICEH	X	1	1	.06220	2012	R	1967
6	1996	ICEH	X	1	1	.06220	2012	R	1968
6	1996	ICEH	X	1	1	.06220	2012	R	1969
6	1996	ICEH	X	1	1	.06220	2012	R	1970
6	1996	ICEH	X	1	1	.06220	2012	R	1971
6	1996	ICEH	X	1	1	.06220	2012	R	1972
6	1996	ICEH	X	1	1	.06220	2012	R	1973
6	1996	ICEH	X	1	1	.06220	2012	R	1974
6	1996	ICEH	X	1	1	.06220	2012	R	1975
6	1996	ICEH	X	250	250	.06490	2026	A	1976
6	1996	ICEH	X	1	1	.06220	2012	R	1976
6	1996	ICEH	X	1	1	.06220	2012	R	1977
6	1996	ICEH	X	1	1	.06220	2012	R	1978
6	1996	ICEH	X	1	1	.06220	2012	R	1979
6	1996	ICEH	X	1	1	.06220	2012	R	1980

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6	1996	ICEH	X	1	1	.06220	2012 R	1981
6	1996	ICEH	X	1	1	.06220	2012 R	1982
6	1996	ICEH	X	1	1	.06220	2012 R	1983
6	1996	ICEH	X	1	0	.08875	2012 R	1987
6	1996	MINI	X	226	0	.03000	1959	1909
6	1996	MINI	X	451	0	.03000	1960	1910
6	1996	MINI	X	451	0	.03000	1961	1911
6	1996	MINI	X	226	0	.03000	1977	1927
6	1996	MINI	X	226	0	.03000	1992	1942
6	1996	MINI	X	677	0	.03000	2007	1957
6	1996	MINI	X	226	0	.03000	2008	1958
6	1996	MINI	X	28	0	.03000	2008 R	1959
6	1996	MINI	X	29	0	.03000	2008 R	1960
6	1996	MINI	X	29	0	.03000	2008 R	1961
6	1996	MINI	X	28	0	.03000	2008 R	1962
6	1996	MINI	X	29	0	.03000	2008 R	1963
6	1996	MINI	X	28	0	.03000	2008 R	1964
6	1996	MINI	X	29	0	.03000	2008 R	1965
6	1996	MINI	X	29	0	.03000	2008 R	1966
6	1996	MINI	X	28	0	.03000	2008 R	1967
6	1996	MINI	X	29	0	.03000	2008 R	1968
6	1996	MINI	X	28	0	.03000	2008 R	1969
6	1996	MINI	X	29	0	.03000	2008 R	1970
6	1996	MINI	X	29	0	.03000	2008 R	1971
6	1996	MINI	X	28	0	.03000	2008 R	1972
6	1996	MINI	X	29	0	.03000	2008 R	1973
6	1996	MINI	X	28	0	.03000	2008 R	1974
6	1996	MINI	X	29	0	.03000	2008 R	1975
6	1996	MINI	X	29	0	.03000	2008 R	1976
6	1996	MINI	X	28	0	.03000	2008 R	1977
6	1996	MINI	X	22	22	.06150	2008 R	1978
6	1996	MINI	X	21	21	.06150	2008 R	1979
6	1996	MINI	X	22	22	.06150	2008 R	1980
6	1996	MINI	X	22	22	.06150	2008 R	1981
6	1996	MINI	X	21	21	.06150	2008 R	1982
6	1996	MINI	X	22	22	.06150	2008 R	1983
6	1996	MINI	X	11	0	.10750	2008 R	1984
6	1996	YAKC	X	507	242	.06410	2022	1956
6	1996	YAKC	X	1	1	.06410	2022 R	1959

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6	1996	YAKC	X	1	1	.06410	2022	R	1960
6	1996	YAKC	X	1	1	.06410	2022	R	1961
6	1996	YAKC	X	1	1	.06410	2022	R	1962
6	1996	YAKC	X	1	1	.06410	2022	R	1963
6	1996	YAKC	X	1	1	.06410	2022	R	1964
6	1996	YAKC	X	1	1	.06410	2022	R	1965
6	1996	YAKC	X	1	1	.06410	2022	R	1966
6	1996	YAKC	X	1	1	.06410	2022	R	1967
6	1996	YAKC	X	1	1	.06410	2022	R	1968
6	1996	YAKC	X	1	1	.06410	2022	R	1969
6	1996	YAKC	X	1	1	.06410	2022	R	1970
6	1996	YAKC	X	1	1	.06410	2022	R	1971
6	1996	YAKC	X	1	1	.06410	2022	R	1972
6	1996	YAKC	X	1	1	.06410	2022	R	1973
6	1996	YAKC	X	1	1	.06410	2022	R	1974
6	1996	YAKC	X	1	1	.06410	2022	R	1975
6	1996	YAKC	X	1	1	.06410	2022	R	1976
6	1996	YAKC	X	1	1	.06410	2022	R	1977
6	1996	YAKC	X	10	0	.10750	2022	R	1984
6	1996	YAKR	X	306	175	.06150	2008		1958
6	1996	YAKR	X	5	0	.10750	2008	R	1984

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6	1996	ZBPA	X	6812	0	.02500	1985		1940
6	1996	ZBPA	X	18906	0	.02500	1986		1941
6	1996	ZBPA	X	461	0	.02500	1986	R	1941
6	1996	ZBPA	X	8446	0	.02500	1987		1942
6	1996	ZBPA	X	1052	0	.02500	1987	R	1942
6	1996	ZBPA	X	16083	0	.02500	1988		1943
6	1996	ZBPA	X	4538	0	.02500	1988	R	1943
6	1996	ZBPA	X	583	0	.02500	1989		1944
6	1996	ZBPA	X	249	0	.02500	1989	R	1944
6	1996	ZBPA	X	1306	0	.02500	1990		1945
6	1996	ZBPA	X	3366	0	.02500	1990	R	1945
6	1996	ZBPA	X	2488	0	.02500	1991		1946



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6	1996	ZBPA	X	732	0	.02500	1991	R	1946
6	1996	ZBPA	X	1330	0	.02500	1992		1947
6	1996	ZBPA	X	1773	0	.02500	1992	R	1947
6	1996	ZBPA	X	7468	0	.02500	1993		1948
6	1996	ZBPA	X	2290	0	.02500	1993	R	1948
6	1996	ZBPA	X	6809	0	.02500	1994		1949
6	1996	ZBPA	X	2719	0	.02500	1994	R	1949
6	1996	ZBPA	X	24111	0	.02500	1995		1950
6	1996	ZBPA	X	6124	0	.02500	1995	R	1950
6	1996	ZBPA	X	7040	0	.02500	1996		1951
6	1996	ZBPA	X	13266	0	.02500	1996	R	1951
6	1996	ZBPA	X	18610	0	.02500	1997		1952
6	1996	ZBPA	X	8979	0	.02500	1997	R	1952
6	1996	ZBPA	X	32639	23927	.05450	1998		1953
6	1996	ZBPA	X	16085	11791	.05450	1998	R	1953
6	1996	ZBPA	X	24211	24211	.05580	1999		1954
6	1996	ZBPA	X	17809	17809	.05580	1999	R	1954
6	1996	ZBPA	X	12222	12222	.05690	2000		1955
6	1996	ZBPA	X	10626	10626	.05690	2000	R	1955
6	1996	ZBPA	X	15154	15154	.05810	2001		1956
6	1996	ZBPA	X	33508	33508	.05810	2001	R	1956
6	1996	ZBPA	X	8313	8313	.05880	2002		1957
6	1996	ZBPA	X	16745	16745	.05880	2002	R	1957
6	1996	ZBPA	X	16434	16434	.05950	2003		1958
6	1996	ZBPA	X	11228	11228	.05950	2003	R	1958
6	1996	ZBPA	X	8647	8647	.06000	2004		1959
6	1996	ZBPA	X	9395	9395	.06000	2004	R	1959
6	1996	ZBPA	X	3832	3832	.06050	2005		1960
6	1996	ZBPA	X	4492	4492	.06050	2005	R	1960
6	1996	ZBPA	X	4778	4778	.06110	2006		1961
6	1996	ZBPA	X	12053	12053	.06110	2006	R	1961
6	1996	ZBPA	X	21088	21088	.06130	2007		1962
6	1996	ZBPA	X	5248	5248	.06130	2007	R	1962
6	1996	ZBPA	X	5283	5283	.06150	2008		1963
6	1996	ZBPA	X	4692	4692	.06150	2008	R	1963
6	1996	ZBPA	X	978	978	.06150	2008		1963
6	1996	ZBPA	X	869	869	.06150	2008	R	1963
6	1996	ZBPA	X	4996	4996	.05160	2009		1964
6	1996	ZBPA	X	6907	6907	.05160	2009	R	1964

6	1996	ZBPA	X	4064	4064	.06180	2010		1965
6	1996	ZBPA	X	7948	7948	.06180	2010	R	1965
6	1996	ZBPA	X	5701	5701	.06180	2010		1965
6	1996	ZBPA	X	11146	11146	.06180	2010	R	1965
6	1996	ZBPA	X	13047	13047	.06200	2011		1966
6	1996	ZBPA	X	3363	3363	.06200	2011	R	1966
6	1996	ZBPA	X	7326	7326	.06200	2011		1966
6	1996	ZBPA	X	1889	1889	.06200	2011	R	1966
6	1996	ZBPA	X	21053	21053	.06220	2012		1967
6	1996	ZBPA	X	5059	5059	.06220	2012	R	1967
6	1996	ZBPA	X	15843	15843	.06220	2012		1967
6	1996	ZBPA	X	3807	3807	.06220	2012	R	1967
6	1996	ZBPA	X	45776	45776	.06240	2013		1968
6	1996	ZBPA	X	9001	9001	.06240	2013	R	1968
6	1996	ZBPA	X	25861	25861	.06240	2013		1968
6	1996	ZBPA	X	5085	5085	.06240	2013	R	1968
6	1996	ZBPA	X	47301	47301	.06260	2014		1969
6	1996	ZBPA	X	25239	25239	.06260	2014	R	1969
6	1996	ZBPA	X	430	430	.06260	2014		1969
6	1996	ZBPA	X	229	229	.06260	2014	R	1969
6	1996	ZBPA	X	73118	73118	.06280	2015		1970
6	1996	ZBPA	X	8997	8997	.06280	2015	R	1970
6	1996	ZBPA	X	27471	27471	.06280	2015		1970
6	1996	ZBPA	X	3380	3380	.06280	2015	R	1970
6	1996	ZBPA	X	13574	13574	.06300	2016		1971
6	1996	ZBPA	X	20054	20054	.06300	2016	R	1971
6	1996	ZBPA	X	13574	13476	.06300	2016		1971
6	1996	ZBPA	X	20054	19910	.06300	2016	R	1971
6	1996	ZBPA	X	32799	32799	.06320	2017		1972
6	1996	ZBPA	X	23677	23677	.06320	2017	R	1972
6	1996	ZBPA	X	4442	4442	.06320	2017		1972
6	1996	ZBPA	X	3206	3206	.06320	2017	R	1972
6	1996	ZBPA	X	44083	37664	.06340	2018		1973
6	1996	ZBPA	X	28255	24141	.06340	2018	R	1973
6	1996	ZBPA	X	26670	18212	.06340	2018		1973
6	1996	ZBPA	X	17094	11673	.06340	2018	R	1973
6	1996	ZBPA	X	13421	13421	.06360	2019		1974
6	1996	ZBPA	X	23314	23314	.06360	2019	R	1974
6	1996	ZBPA	X	13977	13977	.06360	2019		1974

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6	1996	ZBPA	X	24283	24283	.06360	2019	R	1974
6	1996	ZBPA	X	35527	35527	.06380	2020		1975
6	1996	ZBPA	X	24312	24312	.06380	2020	R	1975
6	1996	ZBPA	X	19025	19025	.06380	2020		1975
6	1996	ZBPA	X	13020	13020	.06380	2020	R	1975
6	1996	ZBPA	X	67534	67534	.06390	2021		1976
6	1996	ZBPA	X	2447	2447	.06390	2021	R	1976
6	1996	ZBPA	X	4354	4354	.06410	2022		1977
6	1996	ZBPA	X	5934	5934	.06410	2022	R	1977
6	1996	ZBPA	X	37113	37113	.06410	2022		1977
6	1996	ZBPA	X	51465	9613	.06410	2022	R	1977

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6	1995	ZABF	X	17770	0	.08950	2013		1978	09
6	1995	ZABF	X	24222	0	.08950	2013	R	1978	09
6	1995	ZABF	X	7010	0	.09450	2014		1979	06
6	1995	ZABF	X	9804	0	.09450	2014	R	1979	06
6	1995	ZABF	X	26690	0	.09450	2014		1979	06
6	1995	ZABF	X	21977	0	.09450	2014	R	1979	06
6	1995	ZABF	X	6026	0	.09450	2014	R	1979	06
6	1995	ZABF	X	21228	0	.09900	2014		1979	09
6	1995	ZABF	X	14340	0	.09900	2014	R	1979	09
6	1995	ZABF	X	10610	0	.09900	2014		1979	09
6	1995	ZABF	X	2888	0	.09900	2014	R	1979	09
6	1995	ZABF	X	39696	0	.13000	2015		1980	09
6	1995	ZABF	X	10806	0	.13000	2015	R	1980	09
6	1995	ZABF	X	44811	0	.13000	2015		1980	09
6	1995	ZABF	X	1469	0	.13000	2015	R	1980	09
6	1995	ZABF	X	9292	0	.13000	2015		1980	09
6	1995	ZABF	X	4253	0	.13000	2015	R	1980	09
6	1995	ZABF	X	119775	0	.16600	2016		1981	09
6	1995	ZABF	X	54821	0	.16600	2016	R	1981	09
6	1995	ZABF	X	34221	0	.14400	2017		1982	12
6	1995	ZABF	X	15663	0	.14400	2017	R	1982	12
6	1995	ZABF	X	9975	0	.14400	2017		1982	04

Prtt.txt

6	1995	ZABF	X	4566	0	.14400	2017	R	1982	04	
6	1995	ZABF	X	46980	0	.14400	2017		1982	04	
6	1995	ZABF	X	37455	0	.14400	2017	R	1982	04	
6	1995	ZABF	X	3677	0	.14150	2017		1982	07	
6	1995	ZABF	X	-3677	0	.14150	2017		1987	07	
6	1995	ZABF	X	2932	0	.14150	2017	R	1982	07	
6	1995	ZABF	X	-2932	0	.14150	2017	R	1987	07	
6	1995	ZABF	X	77807	0	.14150	2017		1982	07	
6	1995	ZABF	X	-77807	0	.14150	2017		1987	07	
6	1995	ZABF	X	39741	0	.10850	2018		1983	11	
6	1995	ZABF	X	-39741	0	.10850	2018		1988	02	
6	1995	ZABF	X	29806	0	.11700	2018		1983	06	
6	1995	ZABF	X	814	0	.12250	2018		1983	09	
6	1995	ZABF	X	37235	0	.12250	2018		1983	09	
6	1995	ZABF	X	6708	0	.12250	2018	R	1983	09	
6	1995	ZABF	X	25283	0	.12300	2019		1984	11	
6	1995	ZABF	X	4555	0	.12300	2019	R	1984	11	
6	1995	ZABF	X	50567	0	.13050	2019		1984	09	
6	1995	ZABF	X	9109	0	.13050	2019	R	1984	09	
6	1995	ZABF	X	84278	0	.11250	2029		1985	06	
6	1995	ZABF	X	15182	0	.11250	2029	R	1985	06	
6	1995	ZABF	X	870	0	.08150	1996		1986	03	T
6	1995	ZABF	X	157	0	.08150	1996	R	1986	03	T
6	1995	ZABF	X	30161	0	.08150	1996		1986	03	T
6	1995	ZABF	X	68194	0	.08150	1996	R	1986	03	T
6	1995	ZABF	X	5161	0	.08950	2030		1986	06	
6	1995	ZABF	X	-5161	0	.08950	2030		1992	08	
6	1995	ZABF	X	11668	0	.08950	2030	R	1986	06	
6	1995	ZABF	X	-11668	0	.08950	2030	R	1992	08	
6	1995	ZABF	X	180054	0	.08950	2030		1986	06	
6	1995	ZABF	X	-180054	0	.08950	2030		1992	08	
6	1995	ZABF	X	3117	0	.08950	2030	R	1986	06	
6	1995	ZABF	X	-3117	0	.08950	2030	R	1992	08	
6	1995	ZABF	X	40000	0	.08950	2030	R	1986	06	
6	1995	ZABF	X	-40000	0	.08950	2030	R	1994	05	
6	1995	ZABF	X	57354	0	.08950	2030	R	1986	06	
6	1995	ZABF	X	43236	0	.09300	2031		1987	04	
6	1995	ZABF	X	-43236	0	.09300	2031		1992	04	
6	1995	ZABF	X	54409	0	.09300	2031	R	1987	04	

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6	1995	ZABF	X	-54409	0	.09300	2031	R	1992	04	
6	1995	ZABF	X	96519	0	.08350	1992		1987	06	T
6	1995	ZABF	X	4113	0	.09550	2017		1987	07	
6	1995	ZABF	X	3274	0	.09550	2017	R	1987	07	
6	1995	ZABF	X	86958	0	.09550	2017		1987	07	
6	1995	ZABF	X	7903	0	.09550	2032		1987	07	
6	1995	ZABF	X	3109	0	.09550	2032	R	1987	07	
6	1995	ZABF	X	37342	0	.09550	2032		1987	07	
6	1995	ZABF	X	43417	0	.09500	2018		1988	02	
6	1995	ZABF	X	28513	0	.09500	2033		1988	02	
6	1995	ZABF	X	-28513	0	.09500	2033		1994	10	
6	1995	ZABF	X	27887	0	.09500	2033	R	1988	02	
6	1995	ZABF	X	-27887	0	.09500	2033	R	1994	10	
6	1995	ZABF	X	20677	0	.09500	2033		1988	02	
6	1995	ZABF	X	-20677	0	.09500	2033		1994	10	
6	1995	ZABF	X	22923	0	.09500	2033	R	1988	02	
6	1995	ZABF	X	-22923	0	.09500	2033	R	1994	10	
6	1995	ZABF	X	45870	0	.09500	2033	R	1988	02	
6	1995	ZABF	X	-45870	0	.09500	2033	R	1994	05	
6	1995	ZABF	X	9018	0	.09900	2033		1988	06	
6	1995	ZABF	X	30004	0	.09900	2033	R	1988	06	
6	1995	ZABF	X	16909	16909	.08950	1999		1989	05	T
6	1995	ZABF	X	56257	56257	.08950	1999	R	1989	05	T
6	1995	ZABF	X	1149	1149	.09250	2030		1990	01	10
6	1995	ZABF	X	3824	3824	.09250	2030	R	1990	01	10
6	1995	ZABF	X	41894	41894	.09250	2030		1990	01	10
6	1995	ZABF	X	54145	0	.07550	1995		1991	02	T
6	1995	ZABF	X	147521	147521	.08800	2032		1992	04	
6	1995	ZABF	X	50000	50000	.07000	1997		1992	04	T
6	1995	ZABF	X	80000	0	.06200	1995		1992	04	T
6	1995	ZABF	X	28300	28300	.07000	1997		1992	04	T
6	1995	ZABF	X	150000	150000	.08130	2032		1992	07	
6	1995	ZABF	X	107800	107800	.06600	2000		1992	08	T
6	1995	ZABF	X	107700	107700	.07250	2007		1992	08	
6	1995	ZABF	X	50000	50000	.06050	1998		1993	10	T
6	1995	ZABF	X	88984	88984	.08350	2033		1993	10	
6	1995	ZABF	X	130000	130000	.07800	2033		1993	02	
6	1995	ZABF	X	100000	100000	.07500	2033		1993	04	
6	1995	ZABF	X	110000	110000	.06950	2033		1993	08	

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6	1995	ZABF	X	108400	108400	.06850	2033	1994	10		
6	1995	ZABF	X	43155	0	.07100	1998	1994	05	01	P
6	1995	ZABF	X	49489	0	.07100	1998	1994	05	01	P
6	1995	ZABF	X	35722	35722	.06850	2034	1994	10		
6	1995	ZABF	X	50000	50000	.07050	2034	1994	01		
6	1995	ZABF	X	50000	50000	.08200	2034	1994	05		
6	1995	ZABF	X	55000	0	.07650	1999	1994	09	01	P
6	1995	ZABF	X	55000	5010	.08350	2001	1995	01	01	P
6	1995	ZABF	X	41491	41491	.07700	2025	1995	07	05	
6	1995	ZABF	X	65000	65000	.07700	2025	1995	08	05	
6	1995	ZAFW	X	12100	12100	.07200	2010	1995	08	05	
6	1996	ZABF	X	148702	148702	.07240	2041	1996	03		
6	1996	ZAFW	X	15000	15000	.06950	2011	1996	03		
6	1997	ZABF	X	124330	124330	.06930	2042	1997	03		
6	1997	ZAFW	X	12200	12200	.06600	2012	1997	03		
6	1998	ZABF	X	121417	121417	.06720	2043	1998	03		
6	1998	ZAFW	X	11200	11200	.06400	2013	1998	03		
6	1999	ZABF	X	133721	133721	.06610	2044	1999	03		
6	1999	ZAFW	X	11500	11500	.06380	2014	1999	03		
6	2000	ZABF	X	155426	155426	.06460	2045	2000	03		
6	2000	ZAFW	X	11900	11900	.06360	2015	2000	03		
6	2001	ZABF	X	191695	191695	.06400	2046	2001	03		
6	2001	ZAFW	X	12400	12400	.06310	2016	2001	03		

4177609 2507552

1670057

= TOTAL FOR 6

119.07400

244548

248517

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CORPS-BUREAU REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE
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1

BPA REPLACEMENTS

INSERVICE DATE	PROJECT	ORIGINAL PRINCIPAL	CURRENT PRINCIPAL	DATE DUE	INTEREST RATE	
6	2002	ZABF X	124277	124277	2047 R	.06400
6	2003	ZABF X	127801	127801	2048 R	.06400
6	2004	ZABF X	131115	131115	2049 R	.06400
6	2005	ZABF X	134397	134397	2050 R	.06400
6	2006	ZABF X	137588	137588	2051 R	.06400
6	2007	ZABF X	140614	140614	2052 R	.06400
6	2008	ZABF X	143336	143336	2053 R	.06400
6	2009	ZABF X	145740	145740	2054 R	.06400
6	2010	ZABF X	147731	147731	2055 R	.06400
6	2011	ZABF X	149583	149583	2056 R	.06400
6	2012	ZABF X	151467	151467	2057 R	.06400
6	2013	ZABF X	153397	153397	2058 R	.06400
6	2014	ZABF X	155363	155363	2059 R	.06400
6	2015	ZABF X	157464	157464	2060 R	.06400
6	2016	ZABF X	159646	159646	2061 R	.06400
6	2017	ZABF X	161851	161851	2062 R	.06400
6	2018	ZABF X	164120	164120	2063 R	.06400
6	2019	ZABF X	166359	166359	2064 R	.06400
6	2020	ZABF X	168554	168554	2065 R	.06400
6	2021	ZABF X	170642	170642	2066 R	.06400
6	2022	ZABF X	172568	172568	2067 R	.06400
6	2023	ZABF X	174373	174373	2068 R	.06400
6	2024	ZABF X	176057	176057	2069 R	.06400
6	2025	ZABF X	177571	177571	2070 R	.06400
6	2026	ZABF X	179035	179035	2071 R	.06400
6	2027	ZABF X	180527	180527	2072 R	.06400
6	2028	ZABF X	182005	182005	2073 R	.06400
6	2029	ZABF X	183508	183508	2074 R	.06400
6	2030	ZABF X	185095	185095	2075 R	.06400
6	2031	ZABF X	186711	186711	2076 R	.06400
6	2032	ZABF X	188334	188334	2077 R	.06400
6	2033	ZABF X	189967	189967	2078 R	.06400
6	2034	ZABF X	191626	191626	2079 R	.06400
6	2035	ZABF X	193223	193223	2080 R	.06400
6	2036	ZABF X	194710	194710	2081 R	.06400

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6	2037	ZABF X	196073	196073	2082 R	.06400
6	2038	ZABF X	197313	197313	2083 R	.06400
6	2039	ZABF X	198385	198385	2084 R	.06400
6	2040	ZABF X	199344	199344	2085 R	.06400
6	2041	ZABF X	200239	200239	2086 R	.06400
6	2042	ZABF X	201075	201075	2087 R	.06400
6	2043	ZABF X	202003	202003	2088 R	.06400
6	2044	ZABF X	202959	202959	2089 R	.06400
6	2045	ZABF X	204012	204012	2090 R	.06400
6	2046	ZABF X	205125	205125	2091 R	.06400

NUMBER OF INVESTMENTS FOR THIS STUDY IS 535

1  
1  
REPAYMENT STUDY FOR 1996 FINAL RATE FILING  
OCTOBER 1,2000 - SEPTEMBER 30,2001 COST EVALUATION PERIOD  
REPAY 01 TS6 - TRANSMISSION - FINAL - 1996 INCLUDES DEBT BUYOUT  
TRANSMISSION

#### SUMMARY OF SOLUTION STEPS

PRIMARY ITERATION NUMBER	TRIAL REVENUE FACTOR	SECONDARY ITERATIONS REQUIRED	RESULTS
1	1.000000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2031
2	1.500000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
3	1.250000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
4	1.120000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE



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5	1.060000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
6	1.030000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2038
7	1.045000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2045
8	1.052000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
9	1.048000	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2046
10	1.050000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
11	1.049000	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
12	1.048500	2	ANNUAL REVENUES INSUFFICIENT IN YEAR 2046
13	1.048750	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
14	1.048620	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
15	1.048560	1	CONVERGED TO A VALID REPAYMENT SCHEDULE
16	1.048530	1	CONVERGED TO MINIMUM REPAYMENT SCHEDULE

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106/07/96  
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F E D E R A L C O L U M B I A R I V E R P O W E R S Y S

REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,2000 - SEPTEMBER 30,2001 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE A FISCAL

0	1	2	3	4	5	6	7
8							
OFISCAL				PURCHASE			
YEAR				AND			
	REVENUE						

ENDING SEPT 30 N + (-) OCUMULATIVE 1996	SURPLUS OR REVENUE REQUIREMENT =	ANNUAL OBLIGATIONS	Prtt.txt EXCHANGE + POWER +	GROSS INTEREST +	IRRIGATION AMORTIZATION + AMORTIZATIO
					1,951,722
1997	332,119	4,498		206,932	120,689
1998	334,432	4,851		206,334	123,247
1999	338,643	4,991		205,374	128,278
2000	343,202	5,107		204,790	133,305
2001	351,488	5,191		212,890	133,407
2002	351,488	5,191	-1,087	214,923	132,461
2003	351,488	5,191	-1,117	212,013	135,401
2004	351,488	5,191	-1,148	210,073	137,372
2005	351,488	5,191	-1,178	208,129	139,346
2006	351,488	5,191	-1,207	205,225	142,279
2007	351,488	5,191	-1,236	198,067	149,466
2008	351,488	5,191	-1,264	202,614	144,947
2009	351,488	5,191	-1,292	200,896	146,693
2010	351,488	5,191	-1,319	198,345	149,271

			Prtt.txt		
2011	351,488	5,191	-1,346	198,246	149,397
2012	351,488	5,191	-1,372	196,079	151,590
2013	351,488	5,191	-1,397	194,491	153,203
2014	351,488	5,191	-1,422	195,372	152,347
2015	351,488	5,191	-1,447	193,886	153,858
2016	351,488	5,191	-1,470	193,546	154,221
2017	351,488	5,191	-1,493	197,046	150,744
2018	351,488	5,191	-1,517	196,374	151,440
2019	351,488	5,191	-1,538	195,431	152,404
2020	351,488	5,191	-1,559	197,254	150,602
2021	351,488	5,191	-1,580	203,017	144,860
2022	351,488	5,191	-1,600	204,568	143,329
2023	351,488	5,191	-1,618	206,410	141,505
2024	351,488	5,191	-1,636	208,557	139,376
2025	351,488	5,191	-1,655	210,933	137,019
2026	351,488	5,191	-1,671	213,543	134,425
2027	351,488	5,191	-1,686	216,400	131,583
2028	351,488	5,191	-1,701	219,521	128,477

			Prtt.txt		
2029	351,488	5,191	-1,715	222,924	125,088
2030	351,488	5,191	-1,726	226,630	121,393
2031	351,488	5,191	-1,737	230,660	117,374
2032	351,488	5,191	-1,747	235,039	113,005
2033	351,488	5,191	-1,755	239,822	108,230
2034	351,488	5,191	-1,761	244,996	103,062
2035	351,488	5,191	-1,766	250,566	97,497
2036	351,488	5,191	-1,771	256,631	91,437
2037	351,488	5,191	-1,771	263,144	84,924
2038	351,488	5,191	-1,766	270,153	77,910
2039	351,488	5,191	-1,760	277,698	70,359
2040	351,488	5,191	-1,754	285,786	62,265
2041	351,488	5,191	-1,751	294,426	53,622
2042	351,488	5,191	-1,748	303,750	44,295
2043	351,488	5,191	-1,745	313,683	34,359
2044	351,488	5,191	-1,746	324,331	23,712
2045	351,488	5,191	-1,763	335,751	12,309
2046	351,488	5,191	-1,782	348,000	79

0 TOTALS                    17,516,844                    258,233                    -70,120                    11,451,269                    5,877,462

106/07/96    F E D E R A L    C O L U M B I A    R I V E R    P O W E R    S Y S  
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REPAYMENT STUDY FOR 1996 FINAL RATE FILING

OCTOBER 1,2000 - SEPTEMBER 30,2001 COST EVALUATION PERIOD

(ALL AMOUNTS IN \$1000)

TABLE B FISCAL

0            1                    2                    3                    4                    5                    6                    7  
 8                    9

INVESTMENT PLACED IN SERVICE

IRRIGATION ASSISTANCE

FISCAL

YEAR	INITIAL	REPLACE-	CUMULATIVE	AMORTI-	TERM	CUM
ULATIVE	PROJECT	MENTS	AMOUNT IN	ZATION	INVESTMENT	AM
ENDING	AMORTI-	=	=	=	=	=
OUNT IN	SEPT 30	THRU 9-30	THRU 9-30	9-30	INVESTMENT	SCHEDULE
UNAMORTIZED	THRU 9-30	THRU 9-30	SERVICE	9-30	INVESTMENT	SCHEDULE
ERVICE	ZATION					
AMOUNT						
OCUMULATIVE						
1996	3,923,056	1,008,208	4,931,264	1,951,722	2,979,542	4,451,478
1997	136,530		5,067,794	120,689	2,995,383	4,482,119
1998	132,617		5,200,411	123,247	3,004,753	4,418,852
1999	145,221		5,345,632	128,278	3,021,696	4,389,371
2000	167,326		5,512,958	133,305	3,055,717	4,422,943

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2001	204,095		5,717,053	133,407	3,126,405	4,512,622
2002		124,277	5,841,330	132,461	3,118,221	4,611,841
2003		127,801	5,969,131	135,401	3,110,621	4,709,751
2004		131,115	6,100,246	137,372	3,104,364	4,822,824
2005		134,397	6,234,643	139,346	3,099,415	4,948,897
2006		137,588	6,372,231	142,279	3,094,724	5,069,654
2007		140,614	6,512,845	149,466	3,085,872	5,075,555
2008		143,336	6,656,181	144,947	3,084,261	5,205,848
2009		145,740	6,801,921	146,693	3,083,308	5,339,685
2010		147,731	6,949,652	149,271	3,081,768	5,446,457
2011		149,583	7,099,235	149,397	3,081,954	5,555,415
2012		151,467	7,250,702	151,590	3,081,831	5,648,179
2013		153,397	7,404,099	153,203	3,082,025	5,662,661
2014		155,363	7,559,462	152,347	3,085,041	5,612,752
2015		157,464	7,716,926	153,858	3,088,647	5,535,023
2016		159,646	7,876,572	154,221	3,094,072	5,440,417
2017		161,851	8,038,423	150,744	3,105,179	5,294,939
2018		164,120	8,202,543	151,440	3,117,859	5,224,977

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2019	166,359	8,368,902	152,404	3,131,814	5,226,827
2020	168,554	8,537,456	150,602	3,149,766	5,303,497
2021	170,642	8,708,098	144,860	3,175,548	5,404,158
2022	172,568	8,880,666	143,329	3,204,787	5,477,324
2023	174,373	9,055,039	141,505	3,237,655	5,650,713
2024	176,057	9,231,096	139,376	3,274,336	5,826,770
2025	177,571	9,408,667	137,019	3,314,888	5,888,381
2026	179,035	9,587,702	134,425	3,359,498	6,058,332
2027	180,527	9,768,229	131,583	3,408,442	6,230,098
2028	182,005	9,950,234	128,477	3,461,970	6,403,411
2029	183,508	10,133,742	125,088	3,520,390	6,470,205
2030	185,095	10,318,837	121,393	3,584,092	6,551,079
2031	186,711	10,505,548	117,374	3,653,429	6,737,288
2032	188,334	10,693,882	113,005	3,728,758	6,577,252
2033	189,967	10,883,849	108,230	3,810,495	6,177,809
2034	191,626	11,075,475	103,062	3,899,059	6,233,713
2035	193,223	11,268,698	97,497	3,994,785	6,426,936

			Prtt.txt			
2036	194,710	11,463,408	91,437	4,098,058	6,621,646	
2037	196,073	11,659,481	84,924	4,209,207	6,817,719	
2038	197,313	11,856,794	77,910	4,328,610	7,015,032	
2039	198,385	12,055,179	70,359	4,456,636	7,213,417	
2040	199,344	12,254,523	62,265	4,593,715	7,412,761	
2041	200,239	12,454,762	53,622	4,740,332	7,464,298	
2042	201,075	12,655,837	44,295	4,897,112	7,541,043	
2043	202,003	12,857,840	34,359	5,064,756	7,621,629	
2044	202,959	13,060,799	23,712	5,244,003	7,690,867	
2045	204,012	13,264,811	12,309	5,435,706	7,739,453	
2046	205,125	13,469,936	79	5,640,752	7,752,883	
0 TOTALS	4,708,845	8,761,091	7,829,184			

LINES MAY NOT ADD ACROSS BECAUSE OF ROUND OFF ERRORS

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SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 2001

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

	03	2004	2005	1997	1998	1999	2000	2001	2002	20
2006										
BUREAU OF RECLAMATION										
BOISE										
				184	184	184	184	184		
				184	184	184	184	184		
				4,151	4,151	4,151	4,151	4,151	4,151	4,1
51	4,151	4,151		4,151	4,151	4,151	4,151	4,151	4,151	4,1
4,151										
				31	31	31	31	31	31	
31				31	31	31	31	31	31	
				6	6	6	6	6	6	
6	6	6		6	6	6	6	6	6	
6										
				16	16	16	16	16	16	
16	16	16		16	16	16	16	16	16	
16										
				11	11	11	11	11	11	
11	11	11		11	11	11	11	11	11	
11										
				4,399	4,399	4,399	4,399	4,399	4,215	4,2
15	4,184	4,184		4,399	4,399	4,399	4,399	4,399	4,215	4,2
4,184										
CORPS OF ENGINEERS										
ALBENI FALLS										
BONNEVILLE										
				245	245	245	245	245	245	2
				245	245	245	245	245	245	2

45	245	245							
245									
	CHIEF JOSEPH								
	COUGAR								
	COLUMBIA RIVER FISH								
	DETROIT-BIG CLIFF								
	DWORSHAK		58	58	58	58	58	58	58
58	58	58							
58	GREEN PETER-FOSTER								
	HILLS CREEK								
	ICE HARBOR		50	50	50	50	50	50	50
50	50	50							
50	JOHN DAY								
	LIBBY								
	LITTLE GOOSE								
	LOOKOUT POINT-DEXTER								
	LOST CREEK								
	LOWER GRANITE								
	LOWER MONUMENTAL								
	MCNARY								
	STRUBE								
	THE DALLES								

TOTAL CORPS			353	353	353	353	353	353	3
53	353	353							
353									
LOWER SNAKE F AND W									
BONNEVILLE POWER ADM			73,199	73,199	71,252	68,907	67,607	64,780	63,3
06	61,660	60,577							
60,073									
TOTAL APPROPRIATIONS			77,951	77,951	76,004	73,659	72,359	69,348	67,8
74	66,197	65,114							
64,610									
BPA BORROWING									
BPA PROGRAM			133,393	132,570	134,740	136,480	140,274	143,025	142,0
25	141,552	140,422							
138,929									
BUREAU DIRECT FUND									
FISH, WILDLIFE & ENV			2,316	3,076	3,802	4,547	5,317	5,708	5,7
08	5,708	5,708							
5,708									
PREMIUMS			3,264	2,807	950	185	5,176	6,979	6,5
63	6,783	7,075							
6,197									
0LESS									
0 AFUDC									
0 INTEREST INCOME			9,992	10,070	10,122	10,081	10,236	10,137	10,1
57	10,167	10,190							
10,219									
0TOTAL BPA BORROWING			128,981	128,383	129,370	131,131	140,531	145,575	144,1

39	143,876	143,015							
140,615									
-----									
-----									
-----									
TOTALS			206,932	206,334	205,374	204,790	212,890	214,923	212,0
13	210,073	208,129							
205,225									
1									

SUMMARY OF INTEREST EXPENSE TRANSMISSION FY 2001 REPAYMENT STUDY FOR 199  
 6 FINAL RATE FILING

(ALL AMOUNTS IN \$1000)

	2014	2015	2007	2008	2009	2010	2011	2012	20
BUREAU OF RECLAMATION									
BOISE									
COLUMBIA BASIN									
COLUMBIA BASIN- 3RD			4,151	4,151	4,151	4,151	4,151	4,151	4,1
51	4,151	4,151							
4,151									
HUNGRY HORSE									
MINIDOKA			6	6					
YAKIMA-CHANDLER			16	16	16	16	16	16	
16	16	16							

16									
	YAKIMA-ROZA		11	11					
	TOTAL BUREAU		4,184	4,184	4,167	4,167	4,167	4,167	4,1
67	4,167	4,167							
4,167									
	CORPS OF ENGINEERS								
	ALBENI FALLS								
	BONNEVILLE								
	BONNEVILLE - 2ND POW		245	245	245	245	245	245	2
45	245	245							
245									
	CHIEF JOSEPH								
	COUGAR								
	COLUMBIA RIVER FISH								
	DETROIT-BIG CLIFF								
	DWORSHAK		58	58	58	58	58	58	
58	58	58							
58									
	GREEN PETER-FOSTER								
	HILLS CREEK								
	ICE HARBOR		50	50	50	50	50	50	
16	16	16							
16									
	JOHN DAY								
	LIBBY								

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS			353	353	353	353	353	353	3
19	319	319							
319									

LOWER SNAKE F AND W

BONNEVILLE POWER ADM			59,045	57,430	56,703	56,089	54,306	52,717	49,8
71	44,522	39,940							
32,846									

TOTAL APPROPRIATIONS			63,582	61,967	61,223	60,609	58,826	57,237	54,3
57	49,008	44,426							
37,332									

BPA BORROWING

BPA PROGRAM			138,258	138,379	137,905	137,710	139,702	141,805	145,1
87	151,232	156,696							
164,896									

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV	5,708	5,708	5,708	5,708	4,837	3,795	2,9
90 2,273 1,539							
782							
PREMIUMS	752	6,793	6,303	4,566	5,110	3,453	2,1
23 2,930 1,212							
389							
0LESS							
0 AFUDC							
0 INTEREST INCOME	10,233	10,233	10,243	10,248	10,229	10,211	10,1
66 10,071 9,987							
9,853							
0TOTAL BPA BORROWING	134,485	140,647	139,673	137,736	139,420	138,842	140,1
34 146,364 149,460							
156,214							
-----	-----	-----	-----	-----	-----	-----	-----
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-----							
TOTALS	198,067	202,614	200,896	198,345	198,246	196,079	194,4
91 195,372 193,886							
193,546							
1							

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 2001

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

	2017	2018	2019	2020	2021	2022	20
23 2024 2025							
2026							

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

COLUMBIA BASIN- 3RD           183

HUNGRY HORSE

MINIDOKA

YAKIMA-CHANDLER               16           16           16

YAKIMA-ROZA

TOTAL BUREAU                   199           16           16

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK                       58           58

GREEN PETER-FOSTER



HILLS CREEK

ICE HARBOR

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS	58	58		
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LOWER SNAKE F AND W

BONNEVILLE POWER ADM	28,625	24,572	18,189	8,480
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TOTAL APPROPRIATIONS	28,882	24,646	18,205	8,480
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BPA BORROWING

BPA PROGRAM		174,535	179,427	186,702	197,420	207,126	208,755	210,6
84 212,842	215,238							
217,881								
BUREAU DIRECT FUND								
FISH, WILDLIFE & ENV								
PREMIUMS		3,323	1,907		637	4,999	4,892	4,7
72 4,723	4,660							
4,580								
0LESS								
0 AFUDC								
0 INTEREST INCOME		9,694	9,606	9,476	9,283	9,108	9,079	9,0
46 9,008	8,965							
8,918								
0TOTAL BPA BORROWING		168,164	171,728	177,226	188,774	203,017	204,568	206,4
10 208,557	210,933							
213,543								
-----								
-----								
TOTALS		197,046	196,374	195,431	197,254	203,017	204,568	206,4
10 208,557	210,933							
213,543								
1								

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 2001

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

33	2034	2035	2027	2028	2029	2030	2031	2032	20
2036									

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

COLUMBIA BASIN- 3RD

HUNGRY HORSE

MINIDOKA

YAKIMA-CHANDLER

YAKIMA-ROZA

TOTAL BUREAU

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS

LOWER SNAKE F AND W

BONNEVILLE POWER ADM

TOTAL APPROPRIATIONS

BPA BORROWING

BPA PROGRAM		220,784	223,963	227,437	231,227	235,356	239,846	244,7
19 250,003	255,722							
261,897								
BUREAU DIRECT FUND								
FISH, WILDLIFE & ENV								
PREMIUMS		4,483	4,368	4,235	4,083	3,910	3,718	3,5
40 3,335	3,083							
2,861								
0LESS								
0 AFUDC								
0 INTEREST INCOME		8,867	8,810	8,748	8,680	8,606	8,525	8,4
37 8,342	8,239							
8,127								
0TOTAL BPA BORROWING		216,400	219,521	222,924	226,630	230,660	235,039	239,8
22 244,996	250,566							
256,631								
-----								
-----								
TOTALS		216,400	219,521	222,924	226,630	230,660	235,039	239,8
22 244,996	250,566							
256,631								
1								

SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 2001

REPAYMENT STUDY FOR 199

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(ALL AMOUNTS IN \$1000)

	2037	2038	2039	2040	2041	2042	20
43							
2044							
2045							
2046							

BUREAU OF RECLAMATION

BOISE

COLUMBIA BASIN

COLUMBIA BASIN- 3RD

HUNGRY HORSE

MINIDOKA

YAKIMA-CHANDLER

YAKIMA-ROZA

TOTAL BUREAU

CORPS OF ENGINEERS

ALBENI FALLS

BONNEVILLE

BONNEVILLE - 2ND POW

CHIEF JOSEPH

COUGAR

COLUMBIA RIVER FISH

DETROIT-BIG CLIFF

DWORSHAK

GREEN PETER-FOSTER

HILLS CREEK

ICE HARBOR

JOHN DAY

LIBBY

LITTLE GOOSE

LOOKOUT POINT-DEXTER

LOST CREEK

LOWER GRANITE

LOWER MONUMENTAL

MCNARY

STRUBE

THE DALLES

TOTAL CORPS

LOWER SNAKE F AND W

BONNEVILLE POWER ADM

TOTAL APPROPRIATIONS

BPA BORROWING

BPA PROGRAM			268,549	275,703	283,379	291,604	300,406	309,815	319,8
79	330,639	342,144							
	354,449								

BUREAU DIRECT FUND

FISH, WILDLIFE & ENV

PREMIUMS			2,602	2,327	2,057	1,771	1,449	1,194	8
80	573	280							
2									

0LESS  
0 AFUDC

0 INTEREST INCOME			8,007	7,877	7,738	7,589	7,429	7,259	7,0
76	6,881	6,673							
	6,451								

0TOTAL BPA BORROWING			263,144	270,153	277,698	285,786	294,426	303,750	313,6
83	324,331	335,751							
	348,000								

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TOTALS			263,144	270,153	277,698	285,786	294,426	303,750	313,6
83	324,331	335,751							
	348,000								

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SUMMARY OF INTEREST EXPENSE  
6 FINAL RATE FILING

TRANSMISSION FY 2001

REPAYMENT STUDY FOR 199

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## TOTALS

## BUREAU OF RECLAMATION

BOISE	
COLUMBIA BASIN	920
COLUMBIA BASIN- 3RD	83,203
HUNGRY HORSE	217
MINIDOKA	72
YAKIMA-CHANDLER	368
YAKIMA-ROZA	132
TOTAL BUREAU	84,912

## CORPS OF ENGINEERS

ALBENI FALLS	
BONNEVILLE	
BONNEVILLE - 2ND POW	4,900
CHIEF JOSEPH	
COUGAR	
COLUMBIA RIVER FISH	
DETROIT-BIG CLIFF	
DWORSHAK	1,276
GREEN PETER-FOSTER	
HILLS CREEK	
ICE HARBOR	864
JOHN DAY	
LIBBY	
LITTLE GOOSE	

LOOKOUT POINT-DEXTER  
LOST CREEK  
LOWER GRANITE  
LOWER MONUMENTAL  
MCNARY  
STRUBE  
THE DALLES

TOTAL CORPS 7,040  
LOWER SNAKE F AND W

TOTAL APPROPRIATIONS 91,952

BONNEVILLE POWER ADM 1,247,895

BPA BORROWING

BPA PROGRAM 10,313,311  
BUREAU DIRECT FUND  
FISH, WILDLIFE & ENV 86,646  
PREMIUMS 164,854

0LESS

0 AFUDC

0 INTEREST INCOME 453,389

0TOTAL BPA BORROWING 10,111,422

TOTALS 11,451,269

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APPLICATION OF AMORTIZATION  
96 FINAL RATE FILING

TRANSMISSION FY 2001

REPAYMENT STUDY FOR 19

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

		Prtt.txt					
+	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
		-----	-----	-----	-----	-----	-----
1997	BPA PROGRAM	28,300	1992	1997	28,300	28,300	.07000
	BPA PROGRAM	50,000	1992	1997	50,000	50,000	.07000
	BPA PROGRAM	42,389	1992	2032	147,521	147,521	.08800
		-----					
	TOTAL	120,689					
1998	BPA PROGRAM	50,000	1993	1998	50,000	50,000	.06050
	BONNEVILLE POWER ADMINISTRATION	23,927	1953	1998	23,927	23,927	.05450
	BONNEVILLE POWER ADMINISTRATION	11,791	1953	1998	11,791	11,791	.05450
R	BPA PROGRAM	37,529	1992	2032	147,521	105,132	.08800
		-----					
	TOTAL	123,247					
1999	BPA PROGRAM	56,257	1989	1999	56,257	56,257	.08950
R	BPA PROGRAM	16,909	1989	1999	16,909	16,909	.08950
	BONNEVILLE POWER ADMINISTRATION	24,211	1954	1999	24,211	24,211	.05580
	BONNEVILLE POWER ADMINISTRATION	17,809	1954	1999	17,809	17,809	.05580
R	BPA PROGRAM	13,092	1992	2032	147,521	67,603	.08800

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 TOTAL  
 128,278

2000	BONNEVILLE POWER ADMINISTRATION	1955	2000	12,222	12,222	.05690
	12,222					
	BONNEVILLE POWER ADMINISTRATION	1955	2000	10,626	10,626	.05690
R	10,626					
	BPA PROGRAM	1992	2000	107,800	107,800	.06600
	107,800					
	BPA PROGRAM	1990	2030	1,149	1,149	.09250
	1,149					
	BPA PROGRAM	1990	2030	3,824	3,824	.09250
R	1,508					

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 TOTAL  
 133,305

2001	COLUMBIA BASIN	1959	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1960	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1961	2001	50	50	.05810
R	50					
	BPA PROGRAM	1995	2001	5,010	5,010	.08350
	5,010					
	COLUMBIA BASIN	1957	2001	50	50	.05810
R	50					
	BONNEVILLE POWER ADMINISTRATION	1956	2001	33,508	33,508	.05810
R	33,508					
	BONNEVILLE POWER ADMINISTRATION	1956	2001	15,154	15,154	.05810
	15,154					
	COLUMBIA BASIN	1962	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1963	2001	50	50	.05810
R	50					
	COLUMBIA BASIN	1956	2001	50	50	.05810

Prtt.txt

R		50					
	COLUMBIA BASIN		1964	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1965	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1966	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1955	2001	50	50	.05810
R		50					

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96 FINAL RATE FILING      APPLICATION OF AMORTIZATION      TRANSMISSION FY 2001      REPAYMENT STUDY FOR 19

YEAR      -----INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
	COLUMBIA BASIN		1967	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1958	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1968	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1954	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1969	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1970	2001	50	50	.05810
R		50					
	COLUMBIA BASIN		1971	2001	50	50	.05810
R		50					

		Prtt.txt				
R	COLUMBIA BASIN	1953	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1952	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1951	2001	1,494	1,494	.05810
	1,494					
R	COLUMBIA BASIN	1972	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1973	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1974	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1985	2001	12	12	.05810
	12					
R	COLUMBIA BASIN	1975	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1976	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1977	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1978	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1979	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1980	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1983	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1981	2001	50	50	.05810
	50					
R	COLUMBIA BASIN	1982	2001	50	50	.05810
	50					
R	BPA PROGRAM	1990	2030	3,824	2,316	.09250
	2,316					
R	BPA PROGRAM	1990	2030	41,894	41,894	.09250
	41,894					
	BPA PROGRAM	1992	2032	147,521	54,511	.08800
	32,419					

		-----							
		TOTAL							
			133,407						
2002		BONNEVILLE POWER ADMINISTRATION	1957	2002	8,313	8,313	.05880		
		8,313							
		BONNEVILLE POWER ADMINISTRATION	1957	2002	16,745	16,745	.05880		
R		16,745							
		BPA PROGRAM	1992	2032	147,521	22,092	.08800		
		22,092							
		BPA PROGRAM	1993	2033	88,984	88,984	.08350		
		85,311							
		-----							
		TOTAL							
			132,461						

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2001 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

	PROJECT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	REPLACEMENT						
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2003	HUNGRY HORSE		1982	2003	1	1	.05950
R		1					
	HUNGRY HORSE		1957	2003	1	1	.05950
R		1					
	BONNEVILLE POWER ADMINISTRATION		1958	2003	16,434	16,434	.05950
	16,434						

	BONNEVILLE POWER ADMINISTRATION	Prtt.txt	1958	2003	11,228	11,228	.05950
R	11,228						
	HUNGRY HORSE		1981	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1959	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1960	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1961	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1956	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1962	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1980	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1963	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1964	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1955	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1965	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1979	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1966	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1954	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1967	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1958	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1968	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1978	2003	1	1	.05950
R	1						
	HUNGRY HORSE		1969	2003	1	1	.05950



		Prtt.txt					
R	HUNGRY HORSE	1	1983	2003	1	1	.05950
R	HUNGRY HORSE	1	1953	2003	516	516	.05950
		516					
	HUNGRY HORSE		1970	2003	1	1	.05950
R	HUNGRY HORSE	1	1971	2003	1	1	.05950
R	HUNGRY HORSE	1	1972	2003	1	1	.05950
R	HUNGRY HORSE	1	1973	2003	1	1	.05950
R	HUNGRY HORSE	1	1974	2003	1	1	.05950
R	HUNGRY HORSE	1	1975	2003	1	1	.05950
R	HUNGRY HORSE	1	1977	2003	1	1	.05950
R	HUNGRY HORSE	1	1976	2003	1	1	.05950
R	BPA PROGRAM	1	1993	2033	88,984	3,673	.08350
		3,673					
	BPA PROGRAM		1994	2034	50,000	50,000	.08200
		50,000					
	BPA PROGRAM		1992	2032	150,000	150,000	.08130
		53,520					
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	TOTAL						
		135,401					

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APPLICATION OF AMORTIZATION  
96 FINAL RATE FILING

TRANSMISSION FY 2001

REPAYMENT STUDY FOR 19

YEAR -----INVESTMENT

PAID-----

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
2004	BONNEVILLE POWER ADMINISTRATION	8,647	1959	2004	8,647	8,647	.06000
	BONNEVILLE POWER ADMINISTRATION	9,395	1959	2004	9,395	9,395	.06000
R	BPA PROGRAM	96,480	1992	2032	150,000	96,480	.08130
	BPA PROGRAM	22,850	1993	2033	130,000	130,000	.07800
	TOTAL	137,372					
2005	BONNEVILLE POWER ADMINISTRATION	3,832	1960	2005	3,832	3,832	.06050
	BONNEVILLE POWER ADMINISTRATION	4,492	1960	2005	4,492	4,492	.06050
R	BPA PROGRAM	107,150	1993	2033	130,000	107,150	.07800
	BPA PROGRAM	23,872	1995	2025	41,491	41,491	.07700
	TOTAL	139,346					
2006	BONNEVILLE POWER ADMINISTRATION	4,778	1961	2006	4,778	4,778	.06110
	BONNEVILLE POWER ADMINISTRATION	12,053	1961	2006	12,053	12,053	.06110
R							

		Prtt.txt				
	BPA PROGRAM	1995	2025	41,491	17,619	.07700
	17,619					
	BPA PROGRAM	1995	2025	65,000	65,000	.07700
	65,000					
	BPA PROGRAM	1993	2033	100,000	100,000	.07500
	42,829					
	-----					
	TOTAL					
	142,279					
2007	BPA PROGRAM	1992	2007	107,700	107,700	.07250
	107,700					
	BONNEVILLE POWER ADMINISTRATION	1962	2007	21,088	21,088	.06130
	21,088					
	BONNEVILLE POWER ADMINISTRATION	1962	2007	5,248	5,248	.06130
R	5,248					
	BPA PROGRAM	1993	2033	100,000	57,171	.07500
	15,430					
	-----					
	TOTAL					
	149,466					
2008	MINIDOKA	1983	2008	22	22	.06150
R	22					
	MINIDOKA	1981	2008	22	22	.06150
R	22					
	YAKIMA-ROZA	1958	2008	175	175	.06150
	175					
	MINIDOKA	1982	2008	21	21	.06150
R	21					
	MINIDOKA	1980	2008	22	22	.06150
R	22					
	BONNEVILLE POWER ADMINISTRATION	1963	2008	5,283	5,283	.06150
	5,283					
	BONNEVILLE POWER ADMINISTRATION	1963	2008	4,692	4,692	.06150
R	4,692					
	BONNEVILLE POWER ADMINISTRATION	1963	2008	978	978	.06150

Prtt.txt

	978						
R	BONNEVILLE POWER ADMINISTRATION	1963	2008	869	869	.06150	
	869						
R	MINIDOKA	1979	2008	21	21	.06150	
	21						
R	MINIDOKA	1978	2008	22	22	.06150	
	22						
	BPA PROGRAM	1993	2033	100,000	41,741	.07500	
	41,741						
	BPA PROGRAM	1996	2041	148,702	148,702	.07240	
	91,079						

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TOTAL  
144,947

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2001 REPAYMENT STUDY FOR 19  
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YEAR ----- INVESTMENT  
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(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
2009	BONNEVILLE POWER ADMINISTRATION	1964	2009	4,996	4,996	.05160	
	4,996						
R	BONNEVILLE POWER ADMINISTRATION	1964	2009	6,907	6,907	.05160	
	6,907						
	BPA PROGRAM	1996	2041	148,702	57,623	.07240	
	57,623						
	BPA PROGRAM	1994	2034	50,000	50,000	.07050	

	50,000						
	BPA PROGRAM	1993	2033	110,000	110,000	.06950	
	27,167						
	-----						
	TOTAL						
	146,693						
2010	FISH, WILDLIFE & ENVIRONMENTAL	1995	2010	12,100	12,100	.07200	
	12,100						
	BONNEVILLE POWER ADMINISTRATION	1965	2010	4,064	4,064	.06180	
	4,064						
R	BONNEVILLE POWER ADMINISTRATION	1965	2010	7,948	7,948	.06180	
	7,948						
	BONNEVILLE POWER ADMINISTRATION	1965	2010	5,701	5,701	.06180	
	5,701						
R	BONNEVILLE POWER ADMINISTRATION	1965	2010	11,146	11,146	.06180	
	11,146						
	BPA PROGRAM	1993	2033	110,000	82,833	.06950	
	82,833						
	BPA PROGRAM	1997	2042	124,330	124,330	.06930	
	25,479						
	-----						
	TOTAL						
	149,271						
2011	FISH, WILDLIFE & ENVIRONMENTAL	1996	2011	15,000	15,000	.06950	
	15,000						
	BONNEVILLE POWER ADMINISTRATION	1966	2011	13,047	13,047	.06200	
	13,047						
R	BONNEVILLE POWER ADMINISTRATION	1966	2011	3,363	3,363	.06200	
	3,363						
	BONNEVILLE POWER ADMINISTRATION	1966	2011	7,326	7,326	.06200	
	7,326						
R	BONNEVILLE POWER ADMINISTRATION	1966	2011	1,889	1,889	.06200	
	1,889						
	BPA PROGRAM	1997	2042	124,330	98,851	.06930	
	98,851						

	BPA PROGRAM		Prtt.txt				
	9,921		1994	2034	35,722	35,722	.06850
	-----						
	TOTAL						
	149,397						

2012	ICE HARBOR		1973	2012	1	1	.06220
R		1					
	ICE HARBOR		1981	2012	1	1	.06220
R		1					
	ICE HARBOR		1976	2012	1	1	.06220
R		1					
	ICE HARBOR		1983	2012	1	1	.06220
R		1					
	ICE HARBOR		1980	2012	1	1	.06220
R		1					
	ICE HARBOR		1962	2012	548	548	.06220
		548					
	FISH, WILDLIFE & ENVIRONMENTAL		1997	2012	12,200	12,200	.06600
	12,200						
	ICE HARBOR		1963	2012	1	1	.06220
R		1					
	ICE HARBOR		1975	2012	1	1	.06220
R		1					
	ICE HARBOR		1964	2012	1	1	.06220
R		1					
	ICE HARBOR		1972	2012	1	1	.06220
R		1					
	ICE HARBOR		1979	2012	1	1	.06220
R		1					
	ICE HARBOR		1965	2012	1	1	.06220
R		1					

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YEAR ----- INVESTMENT  
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(ALL AMOUNT IN \$1000)

+	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
	ICE HARBOR		1974	2012	1	1	.06220
R		1					
	ICE HARBOR		1977	2012	1	1	.06220
R		1					
	ICE HARBOR		1982	2012	1	1	.06220
R		1					
	ICE HARBOR		1966	2012	1	1	.06220
R		1					
	ICE HARBOR		1967	2012	1	1	.06220
R		1					
	ICE HARBOR		1971	2012	1	1	.06220
R		1					
	BONNEVILLE POWER ADMINISTRATION	21,053	1967	2012	21,053	21,053	.06220
	BONNEVILLE POWER ADMINISTRATION	5,059	1967	2012	5,059	5,059	.06220
R		5,059					
	BONNEVILLE POWER ADMINISTRATION	15,843	1967	2012	15,843	15,843	.06220
	BONNEVILLE POWER ADMINISTRATION	3,807	1967	2012	3,807	3,807	.06220
R		3,807					
	ICE HARBOR		1978	2012	1	1	.06220
R		1					
	ICE HARBOR		1968	2012	1	1	.06220
R		1					
	ICE HARBOR		1969	2012	1	1	.06220
R		1					
	ICE HARBOR		1970	2012	1	1	.06220
R		1					
	BPA PROGRAM		1994	2034	35,722	25,801	.06850

		25,801					
	BPA PROGRAM		1994	2033	108,400	108,400	.06850
		67,258					
		-----					
	TOTAL						
		151,590					
2013	FISH, WILDLIFE & ENVIRONMENTAL		1998	2013	11,200	11,200	.06400
		11,200					
	BONNEVILLE POWER ADMINISTRATION		1968	2013	45,776	45,776	.06240
		45,776					
	BONNEVILLE POWER ADMINISTRATION		1968	2013	9,001	9,001	.06240
R		9,001					
	BONNEVILLE POWER ADMINISTRATION		1968	2013	25,861	25,861	.06240
		25,861					
	BONNEVILLE POWER ADMINISTRATION		1968	2013	5,085	5,085	.06240
R		5,085					
	BPA PROGRAM		1994	2033	108,400	41,142	.06850
		41,142					
	BPA PROGRAM		1998	2043	121,417	121,417	.06720
		15,138					
		-----					
	TOTAL						
		153,203					
2014	FISH, WILDLIFE & ENVIRONMENTAL		1999	2014	11,500	11,500	.06380
		11,500					
	BONNEVILLE POWER ADMINISTRATION		1969	2014	229	229	.06260
R		229					
	BONNEVILLE POWER ADMINISTRATION		1969	2014	430	430	.06260
		430					
	BONNEVILLE POWER ADMINISTRATION		1969	2014	25,239	25,239	.06260
R		25,239					
	BONNEVILLE POWER ADMINISTRATION		1969	2014	47,301	47,301	.06260
		47,301					
	BPA PROGRAM		1998	2043	121,417	106,279	.06720
		67,648					



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 TOTAL  
 152,347

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2001 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR ----- INVESTMENT  
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(ALL AMOUNT IN \$1000)

+	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2015	FISH, WILDLIFE & ENVIRONMENTAL	11,900	2000	2015	11,900	11,900	.06360
	BONNEVILLE POWER ADMINISTRATION	3,380	1970	2015	3,380	3,380	.06280
R	BONNEVILLE POWER ADMINISTRATION	27,471	1970	2015	27,471	27,471	.06280
	BONNEVILLE POWER ADMINISTRATION	8,997	1970	2015	8,997	8,997	.06280
R	BONNEVILLE POWER ADMINISTRATION	73,118	1970	2015	73,118	73,118	.06280
	BPA PROGRAM	28,992	1998	2043	121,417	38,631	.06720
	TOTAL	153,858					
2016	FISH, WILDLIFE & ENVIRONMENTAL		2001	2016	12,400	12,400	.06310

	12,400						
R	BONNEVILLE POWER ADMINISTRATION	1971	2016	19,910	19,910	.06300	
	19,910						
	BONNEVILLE POWER ADMINISTRATION	1971	2016	13,476	13,476	.06300	
	13,476						
R	BONNEVILLE POWER ADMINISTRATION	1971	2016	20,054	20,054	.06300	
	20,054						
	BONNEVILLE POWER ADMINISTRATION	1971	2016	13,574	13,574	.06300	
	13,574						
	BPA PROGRAM	1998	2043	121,417	9,639	.06720	
	9,639						
	COLUMBIA BASIN- 3RD POWER HOUSE	1976	2026	8,834	8,834	.06490	
	8,834						
	ICE HARBOR	1976	2026	250	250	.06490	
	250						
	COLUMBIA BASIN- 3RD POWER HOUSE	1977	2027	8,761	8,761	.06490	
	8,761						
	COLUMBIA BASIN- 3RD POWER HOUSE	1978	2028	8,692	8,692	.06490	
	8,692						
	COLUMBIA BASIN- 3RD POWER HOUSE	1979	2029	17,254	17,254	.06490	
	17,254						
	BONNEVILLE - 2ND POWER HOUSE	1981	2031	502	502	.06490	
	502						
	BONNEVILLE - 2ND POWER HOUSE	1982	2032	2,495	2,495	.06490	
	2,495						
	COLUMBIA BASIN- 3RD POWER HOUSE	1985	2033	2,273	2,273	.06490	
	2,273						
	COLUMBIA BASIN- 3RD POWER HOUSE	1987	2033	1,908	1,908	.06490	
	1,908						
	COLUMBIA BASIN- 3RD POWER HOUSE	1984	2033	3,486	3,486	.06490	
	3,486						
	BONNEVILLE - 2ND POWER HOUSE	1983	2033	765	765	.06490	
	765						
	COLUMBIA BASIN- 3RD POWER HOUSE	1986	2033	2,041	2,041	.06490	
	2,041						
	COLUMBIA BASIN- 3RD POWER HOUSE	1988	2033	2,531	2,531	.06490	
	2,531						
	COLUMBIA BASIN- 3RD POWER HOUSE	1975	2025	8,202	8,202	.06470	
	5,376						

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 TOTAL  
 154,221

2017	R	BONNEVILLE POWER ADMINISTRATION	1972	2017	3,206	3,206	.06320
		3,206					
	R	BONNEVILLE POWER ADMINISTRATION	1972	2017	4,442	4,442	.06320
		4,442					
	R	BONNEVILLE POWER ADMINISTRATION	1972	2017	23,677	23,677	.06320
		23,677					
	R	BONNEVILLE POWER ADMINISTRATION	1972	2017	32,799	32,799	.06320
		32,799					
		COLUMBIA BASIN- 3RD POWER HOUSE	1975	2025	8,202	2,826	.06470
		2,826					
		BPA PROGRAM	1999	2044	133,721	133,721	.06610
		83,794					

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 TOTAL  
 150,744

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2001 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____	_____
2018	BONNEVILLE POWER ADMINISTRATION		1973	2018	11,673	11,673	.06340

R	11,673						
	BONNEVILLE POWER ADMINISTRATION	1973	2018	37,664	37,664	.06340	
	37,664						
	BONNEVILLE POWER ADMINISTRATION	1973	2018	18,212	18,212	.06340	
	18,212						
	BONNEVILLE POWER ADMINISTRATION	1973	2018	24,141	24,141	.06340	
R	24,141						
	BPA PROGRAM	1999	2044	133,721	49,927	.06610	
	49,927						
	DWORSHAK	1976	2023	4	4	.06430	
R	4						
	DWORSHAK	1975	2023	4	4	.06430	
R	4						
	DWORSHAK	1977	2023	4	4	.06430	
R	4						
	DWORSHAK	1974	2023	4	4	.06430	
R	4						
	DWORSHAK	1978	2023	4	4	.06430	
R	4						
	DWORSHAK	1980	2023	4	4	.06430	
R	4						
	DWORSHAK	1973	2023	896	896	.06430	
	896						
	DWORSHAK	1979	2023	4	4	.06430	
R	4						
	DWORSHAK	1981	2023	4	4	.06430	
R	4						
	DWORSHAK	1983	2023	4	4	.06430	
R	4						
	DWORSHAK	1982	2023	4	4	.06430	
R	4						
	YAKIMA-CHANDLER	1963	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1964	2022	1	1	.06410	
R	1						
	YAKIMA-CHANDLER	1966	2022	1	1	.06410	
R	1						
	BONNEVILLE POWER ADMINISTRATION	1977	2022	4,354	4,354	.06410	
	4,354						

			Prtt.txt				
	YAKIMA-CHANDLER		1962	2022	1	1	.06410
R	1						
	BONNEVILLE POWER ADMINISTRATION		1977	2022	37,113	37,113	.06410
	4,529						
	-----						
	TOTAL						
	151,440						
2019	BONNEVILLE POWER ADMINISTRATION		1974	2019	13,977	13,977	.06360
	13,977						
R	BONNEVILLE POWER ADMINISTRATION		1974	2019	23,314	23,314	.06360
	23,314						
R	BONNEVILLE POWER ADMINISTRATION		1974	2019	13,421	13,421	.06360
	13,421						
R	BONNEVILLE POWER ADMINISTRATION		1974	2019	24,283	24,283	.06360
	24,283						
R	YAKIMA-CHANDLER		1968	2022	1	1	.06410
	1						
R	YAKIMA-CHANDLER		1971	2022	1	1	.06410
	1						
R	YAKIMA-CHANDLER		1961	2022	1	1	.06410
	1						
R	YAKIMA-CHANDLER		1975	2022	1	1	.06410
	1						
R	YAKIMA-CHANDLER		1956	2022	242	242	.06410
	242						
R	YAKIMA-CHANDLER		1970	2022	1	1	.06410
	1						
R	YAKIMA-CHANDLER		1960	2022	1	1	.06410
	1						
R	BONNEVILLE POWER ADMINISTRATION		1977	2022	37,113	32,584	.06410
	32,584						
R	YAKIMA-CHANDLER		1965	2022	1	1	.06410
	1						
R	YAKIMA-CHANDLER		1959	2022	1	1	.06410
	1						
R	YAKIMA-CHANDLER		1977	2022	1	1	.06410
	1						

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APPLICATION OF AMORTIZATION  
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TRANSMISSION FY 2001

REPAYMENT STUDY FOR 19

YEAR ----- INVESTMENT  
PAID-----

(ALL AMOUNT IN \$1000)

PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+						
R	YAKIMA-CHANDLER 1	1973	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1976	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1967	2022	1	1	.06410
R	YAKIMA-CHANDLER 1	1974	2022	1	1	.06410
R	BONNEVILLE POWER ADMINISTRATION 9,613	1977	2022	9,613	9,613	.06410
R	YAKIMA-CHANDLER 1	1969	2022	1	1	.06410
R	BONNEVILLE POWER ADMINISTRATION 5,934	1977	2022	5,934	5,934	.06410
R	YAKIMA-CHANDLER 1	1972	2022	1	1	.06410
R	BONNEVILLE POWER ADMINISTRATION 29,021	1976	2021	67,534	67,534	.06390
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TOTAL						
	152,404					

			Prtt.txt				
2020	BONNEVILLE POWER ADMINISTRATION	1975	2020	19,025	19,025	.06380	
	19,025						
	BONNEVILLE POWER ADMINISTRATION	1975	2020	35,527	35,527	.06380	
	35,527						
R	BONNEVILLE POWER ADMINISTRATION	1975	2020	24,312	24,312	.06380	
	24,312						
R	BONNEVILLE POWER ADMINISTRATION	1975	2020	13,020	13,020	.06380	
	13,020						
	BONNEVILLE POWER ADMINISTRATION	1976	2021	67,534	38,513	.06390	
	38,513						
R	BONNEVILLE POWER ADMINISTRATION	1976	2021	2,447	2,447	.06390	
	2,447						
	BPA PROGRAM	2000	2045	155,426	155,426	.06460	
	17,758						
	-----						
	TOTAL						
	150,602						
2021	BPA PROGRAM	2000	2045	155,426	137,668	.06460	
	137,668						
	BPA PROGRAM	2001	2046	191,695	191,695	.06400	
	7,192						
	-----						
	TOTAL						
	144,860						
2022	BPA PROGRAM	2001	2046	191,695	184,503	.06400	
	143,329						
	-----						
	TOTAL						
	143,329						
2023	BPA PROGRAM	2001	2046	191,695	41,174	.06400	
	41,174						
	BPA PROGRAM	2002	2047	124,277	124,277	.06400	
R	100,331						

		-----				
TOTAL		141,505				
2024	BPA PROGRAM	2002	2047	124,277	23,946	.06400
R	23,946					
	BPA PROGRAM	2003	2048	127,801	127,801	.06400
R	115,430					
		-----				
TOTAL		139,376				

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96 FINAL RATE FILING      APPLICATION OF AMORTIZATION      TRANSMISSION FY 2001      REPAYMENT STUDY FOR 19

YEAR	-----					INVESTMENT
PAID	-----					
(ALL AMOUNT IN \$1000)						
	PROJECT		IN-SERVICE	DUE	GROSS	NET      RATE
+	REPLACEMENT	AMOUNT				
	-----	-----	-----	-----	-----	-----
2025	BPA PROGRAM		2003	2048	127,801	12,371      .06400
R	12,371					
	BPA PROGRAM		2004	2049	131,115	131,115      .06400
R	124,648					
		-----				
TOTAL		137,019				



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2026	R	BPA PROGRAM	2004	2049	131,115	6,467	.06400
		6,467					
	R	BPA PROGRAM	2005	2050	134,397	134,397	.06400
		127,958					
		-----					
		TOTAL					
		134,425					
2027	R	BPA PROGRAM	2005	2050	134,397	6,439	.06400
		6,439					
	R	BPA PROGRAM	2006	2051	137,588	137,588	.06400
		125,144					
		-----					
		TOTAL					
		131,583					
2028	R	BPA PROGRAM	2006	2051	137,588	12,444	.06400
		12,444					
	R	BPA PROGRAM	2007	2052	140,614	140,614	.06400
		116,033					
		-----					
		TOTAL					
		128,477					
2029	R	BPA PROGRAM	2007	2052	140,614	24,581	.06400
		24,581					
	R	BPA PROGRAM	2008	2053	143,336	143,336	.06400
		100,507					
		-----					
		TOTAL					
		125,088					
2030	R	BPA PROGRAM	2008	2053	143,336	42,829	.06400
		42,829					
		BPA PROGRAM	2009	2054	145,740	145,740	.06400

R 78,564

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 TOTAL  
 121,393

2031	BPA PROGRAM	2009	2054	145,740	67,176	.06400
R	67,176					
	BPA PROGRAM	2010	2055	147,731	147,731	.06400
R	50,198					

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 TOTAL  
 117,374

2032	BPA PROGRAM	2010	2055	147,731	97,533	.06400
R	97,533					
	BPA PROGRAM	2011	2056	149,583	149,583	.06400
R	15,472					

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 TOTAL  
 113,005

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2001 REPAYMENT STUDY FOR 19  
 96 FINAL RATE FILING

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
+	_____	_____	_____	_____	_____	_____
	_____					

2033	R	BPA PROGRAM	2011	2056	149,583	134,111	.06400
		108,230					
		-----					
		TOTAL					
		108,230					
2034	R	BPA PROGRAM	2011	2056	149,583	25,881	.06400
		25,881					
	R	BPA PROGRAM	2012	2057	151,467	151,467	.06400
		77,181					
		-----					
		TOTAL					
		103,062					
2035	R	BPA PROGRAM	2012	2057	151,467	74,286	.06400
		74,286					
	R	BPA PROGRAM	2013	2058	153,397	153,397	.06400
		23,211					
		-----					
		TOTAL					
		97,497					
2036	R	BPA PROGRAM	2013	2058	153,397	130,186	.06400
		91,437					
		-----					
		TOTAL					
		91,437					
2037	R	BPA PROGRAM	2013	2058	153,397	38,749	.06400
		38,749					
	R	BPA PROGRAM	2014	2059	155,363	155,363	.06400
		46,175					
		-----					

		TOTAL					
		84,924					
2038	R	BPA PROGRAM	2014	2059	155,363	109,188	.06400
		77,910					
		-----					
		TOTAL					
		77,910					
2039	R	BPA PROGRAM	2014	2059	155,363	31,278	.06400
		31,278					
	R	BPA PROGRAM	2015	2060	157,464	157,464	.06400
		39,081					
		-----					
		TOTAL					
		70,359					
2040	R	BPA PROGRAM	2015	2060	157,464	118,383	.06400
		62,265					
		-----					
		TOTAL					
		62,265					
2041	R	BPA PROGRAM	2015	2060	157,464	56,118	.06400
		53,622					
		-----					
		TOTAL					
		53,622					
2042	R	BPA PROGRAM	2015	2060	157,464	2,496	.06400
		2,496					
	R	BPA PROGRAM	2016	2061	159,646	159,646	.06400
		41,799					
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TOTAL  
44,295

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APPLICATION OF AMORTIZATION TRANSMISSION FY 2001 REPAYMENT STUDY FOR 19  
96 FINAL RATE FILING

YEAR PAID-----INVESTMENT

(ALL AMOUNT IN \$1000)

YEAR	PROJECT REPLACEMENT	AMOUNT	IN-SERVICE	DUE	GROSS	NET	RATE
2043	BPA PROGRAM	34,359	2016	2061	159,646	117,847	.06400
	R						
	TOTAL	34,359					
2044	BPA PROGRAM	23,712	2016	2061	159,646	83,488	.06400
	R						
	TOTAL	23,712					
2045	BPA PROGRAM	12,309	2016	2061	159,646	59,776	.06400
	R						
	TOTAL	12,309					

2046	R	BPA PROGRAM	79	2016	2061	159,646	47,467	.06400
		-----						
		TOTAL	79					
0		GRAND TOTAL						
		5,877,462						
0		TOTAL DEFERRAL						
		0						
		-----						
0		NET						
		5,877,462						
1								