

**COSTS OF THE COLUMBIA RIVER JUVENILE FISH MITIGATION PROGRAM
INCLUDING "CRJB" COSTS, MITIGATION ANALYSIS, AND 95 BIOLOGICAL OPINION COSTS
(\$ THOUSANDS)**

SECTION 1: COSTS IN "CRJB" (PRE-1995 BIOLOGICAL OPINION PROJECTIONS)

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
BONNEVILLE**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	247	2861	8634	25693	0	0	0	0	0	0
2 Annual Capital Expenditures	240	2528	5475	16213	10113						
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	7	86	298	845	1544	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	247	2861	8634	25693	37349	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	0	0	37349						
7 Ending CWIP Balance (Line 5 - Line 6)	247	2861	8634	25693	0	0	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
JOHN DAY**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	6031	6375	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	5869	0	0	0							
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	162	344	340	0	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	6031	6375	6715	0	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	6715	0							
7 Ending CWIP Balance (Line 5 - Line 6)	6031	6375	0	0	0	0	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
ICE HARBOR**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	4326	2672	314	0	0	2650					
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	119	76	8	0	0	67	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	4445	2748	322	0	0	2717	0	0	0	0	0
6 Less: Amount Transferred to Plant	4445	2748	322	0	0	2717					
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	0	0	0	0

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**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
LITTLE GOOSE**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	5254	9143	1120	0	0	3406					
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	145	261	30	0	0	87	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	5399	9404	1150	0	0	3493	0	0	0	0	0
6 Less: Amount Transferred to Plant	5399	9404	1150			3493					
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
LOWER GRANITE**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	5789	10135	295	0	0	8559	1738				
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	160	289	8	0	0	217	44	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	5949	10424	303	0	0	8776	1782	0	0	0	0
6 Less: Amount Transferred to Plant	5949	10424	303	0	0	8776	1782				
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
LOWER MONUMENTAL**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	2381	565	659	0	0	4704					
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	66	16	18	0	0	119	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	2447	581	677	0	0	4823	0	0	0	0	0
6 Less: Amount Transferred to Plant	2447	581	677			4823					
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	0	0	0	0

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**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
MCNARY**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	7867	10951	8610	0	0	7676					
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	217	312	229	0	0	195	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	8084	11263	8839	0	0	7871	0	0	0	0	0
6 Less: Amount Transferred to Plant	8084	11263	8839			7871					
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
MITIGATION ANALYSIS-Ptld. Dist. - Gas Abatement & Turbine Pass. Studies**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	2354	2941	3611	4203	4722	9065	0	0	0	0
2 Annual Capital Expenditures	2291	440	500	400	300	4001	0				
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	63	147	170	192	219	342	456	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	2354	2941	3611	4203	4722	9065	9520	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	0	0	0	0	9520				
7 Ending CWIP Balance (Line 5 - Line 6)	2354	2941	3611	4203	4722	9065	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
MITIGATION ANALYSIS-Walla Walla- Various Studies including Gas Abatement**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	35010	40214	44317	47557	57038	0	0	0	0
2 Annual Capital Expenditures	12290	34040	3251	2021	991	6890	0				
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	339	970	1953	2082	2250	2591	2869	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	12629	35010	40214	44317	47557	57038	59907	0	0	0	0
6 Less: Amount Transferred to Plant	12629	0	0	0	0	0	59907				
7 Ending CWIP Balance (Line 5 - Line 6)	0	35010	40214	44317	47557	57038	0	0	0	0	0

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**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROGRAM
THE DALLES**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	16577	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	16132	0	0	0	0	0					
3 IDC Rate	5.52%	5.70%	7.25%	7.25%	7.38%	7.38%					
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	445	945	0	0	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	16577	17522	0	0	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	17522	0	0	0	0					
7 Ending CWIP Balance (Line 5 - Line 6)	16577	0	0	0	0	0	0	0	0	0	0

SECTION 1 TOTAL

**TOTAL CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION PROJECT
NOT INCLUDING 95 BIOLOGICAL OPINION COSTS**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	25209	47187	52459	74213	52279	66103	0	0	0	0
2 Annual Capital Expenditures	62439	70474	20224	18634	11404	37886	1738	0	0	0	0
3 IDC Rate											
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	1723	3445	3054	3120	4012	3618	3369	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	64162	99129	70465	74213	89628	93783	71209	0	0	0	0
6 Less: Amount Transferred to Plant	38953	51942	18006	0	37349	27681	71209	0	0	0	0
7 Ending CWIP Balance (Line 5 - Line 6)	25209	47187	52459	74213	52279	66103	0	0	0	0	0

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SECTION 2 A**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION****95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS****Water Control at Fish Ladders**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	1040	5248	0	0	0	0	0	0	0
2 Annual Capital Expenditures	0	1011	4045	4045							
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	29	163	367	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	1040	5248	9660	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	0	9660							
7 Ending CWIP Balance (Line 5 - Line 6)	0	1040	5248	0	0	0	0	0	0	0	0

CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION**95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS****Regional Research Facility**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	249	262	0	0	0	0	0	0	0
2 Annual Capital Expenditures	0	242	0	0							
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	7	13	13	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	249	262	275	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	0	275							
7 Ending CWIP Balance (Line 5 - Line 6)	0	249	262	0	0	0	0	0	0	0	0

CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION**95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS****Improve LGR Juvenile Facility**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	101	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	0	98	19680								
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	3	530	0	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	101	20311	0	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0		20311								
7 Ending CWIP Balance (Line 5 - Line 6)	0	101	0	0	0	0	0	0	0	0	0

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**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS
Additional Transport Barges - Phase 1**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	5362	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	54	5213	5212								
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	1	149	425	0	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	55	5362	10998	0	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	55	0	10998								
7 Ending CWIP Balance (Line 5 - Line 6)	0	5362	0	0	0	0	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS
Design/develop PIT Fac. at Adult Facility
Independent Station Service by 1997 at BON**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	2491	5934	9549	0	0	0	0	0
2 Annual Capital Expenditures	0	0	2527	3236	3236	3236					
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	67	207	379	567	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	2594	5934	9549	13353	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	104	0	0	13353					
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	2491	5934	9549	0	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS
John Day Drawdown to MOP**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	0	0	0	0							
3 IDC Rate	0.00%	7.00%	7.00%	7.00%							
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	0	0	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	0	0	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	0	0							
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	0	0	0	0

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(\$ THOUSANDS)

CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION

95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS

Engineering and Design Natural River DD

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	9437	19355	0	0	0	0
2 Annual Capital Expenditures	0	0	0	0	9206	9205	9206				
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	0	0	231	713	1205	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	0	0	9437	19355	29766	0	0	0	0
6 Less: Amount Transferred to Plant	0		0	0	0	0	29766				
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	9437	19355	0	0	0	0	0

CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION

95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS

Hydroact. Mon. of Juvenile Salmon at IHB,

Emergency Water Supply for Adult Fish Facilities

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	29	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	28	809	0	0	0	0	0				
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	1	25	0	0	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	29	862	0	0	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	862	0	0	0	0	0				
7 Ending CWIP Balance (Line 5 - Line 6)	29	0	0	0	0	0	0	0	0	0	0

CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION

95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS

Surface Bypass Collection Prototype

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	4621	42033	61624	82575	86720	91126	0	0	0	0
2 Annual Capital Expenditures	4497	36119	16900	17400	0	0	0				
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	124	1293	2691	3551	4145	4405	2292	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	4621	42033	61624	82575	86720	91126	93417	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	0	0	0	0	93417				
7 Ending CWIP Balance (Line 5 - Line 6)	4621	42033	61624	82575	86720	91126	0	0	0	0	0

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SECTION 2 A TOTAL

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - PLANNED INVESTMENTS
TOTAL**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	4650	48784	69625	88509	105707	110481	0	0	0	0
2 Annual Capital Expenditures	4579	43492	48364	24681	12442	12441	9206	0	0	0	0
3 IDC Rate											
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	126	1505	3889	4139	4755	5686	3497	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	4705	49646	101037	98445	105707	123834	123184	0	0	0	0
6 Less: Amount Transferred to Plant	55	862	31412	9936	0	13353	123184	0	0	0	0
7 Ending CWIP Balance (Line 5 - Line 6)	4650	48784	69625	88509	105707	110481	0	0	0	0	0

SECTION 2B

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS
BAFFLED SPILLWAY**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	9328	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	0	9070	9069								
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	258	739	0	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	9328	19136	0	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	19136								
7 Ending CWIP Balance (Line 5 - Line 6)	0	9328	0	0	0	0	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS
SURFACE BYPASS INSTALLATION - phase 1 - pre-2001**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	31929	76707	123718	173175	0	0	0	0
2 Annual Capital Expenditures	0	0	31100	42103	42103	42103	31030	0	0	0	0
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	829	2676	4907	7354	9491	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	31929	76707	123718	173175	213696	0	0	0	0
6 Less: Amount Transferred to Plant	0	0			0	0	213696	0	0	0	0
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	31929	76707	123718	173175	0	0	0	0	0

**COSTS OF THE COLUMBIA RIVER JUVENILE FISH MITIGATION PROGRAM
INCLUDING "CRJB" COSTS, MITIGATION ANALYSIS, AND 95 BIOLOGICAL OPINION COSTS
(\$ THOUSANDS)**

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS
SURFACE BYPASS INSTALLATION - phase 2**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	33102	67761	0	0
2 Annual Capital Expenditures	0		0	0	0	0	32290	32290	32290	0	0
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	0	0	0	0	812	2369	3851	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	0	0	0	0	33102	67761	103902	0	0
6 Less: Amount Transferred to Plant	0				0	0	0	0	103902	0	0
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	33102	67761	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS
SURFACE BYPASS INSTALLATION - phase 3**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	23262	47567	0
2 Annual Capital Expenditures	0		0	0	0	0	0	22716	22716	22716	0
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	0	0	0	0	0	546	1589	2716	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	0	0	0	0	0	23262	47567	73000	0
6 Less: Amount Transferred to Plant	0				0	0	0	0	0	73000	0
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	23262	47567	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS
SURFACE BYPASS INSTALLATION - phase 4**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	0	23237	47548
2 Annual Capital Expenditures	0		0	0	0	0	0	0	22716	22716	22716
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	0	0	0	0	0	0	521	1595	2774
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	0	0	0	0	0	0	23237	47548	73039
6 Less: Amount Transferred to Plant	0				0	0	0	0	0	0	73039
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	0	23237	47548	0

**COSTS OF THE COLUMBIA RIVER JUVENILE FISH MITIGATION PROGRAM
INCLUDING "CRJB" COSTS, MITIGATION ANALYSIS, AND 95 BIOLOGICAL OPINION COSTS
(\$ THOUSANDS)**

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS
PHASE 2 - Engineering and Design for Drawdown**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	2056	6260	14856	23824	0
2 Annual Capital Expenditures	0				0	2005	4000	8100	8100	4101	
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	0	0	0	51	204	496	868	1193	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	0	0	0	2056	6260	14856	23824	29117	0
6 Less: Amount Transferred to Plant	0				0	0	0	0	0	29117	
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	2056	6260	14856	23824	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS
EXTENDED SCREENS AT JDA**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	0	0	0	0	0						
3 IDC Rate		7.00%	7.00%	7.00%							
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	0	0	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	0	0	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	0	0	0						
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	0	0	0	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS
EXTENDED SCREENS AT TDA**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	0	0	0	0	0	0	0	0	0
2 Annual Capital Expenditures	0	0	0	0	0						
3 IDC Rate			7.13%	7.13%	7.13%						
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	0	0	0	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	0	0	0	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	0	0	0						
7 Ending CWIP Balance (Line 5 - Line 6)	0	0	0	0	0	0	0	0	0	0	0

**COSTS OF THE COLUMBIA RIVER JUVENILE FISH MITIGATION PROGRAM
INCLUDING "CRJB" COSTS, MITIGATION ANALYSIS, AND 95 BIOLOGICAL OPINION COSTS**

(\$ THOUSANDS)

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS
GAS ABATEMENT AT IHB AND JDA**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	40346	82770	0	0	0	0	0	0	0
2 Annual Capital Expenditures	0	39228	39228	39228							
3 IDC Rate	5.52%	5.70%	5.33%	5.05%	5.02%	5.08%	5.03%	4.81%	4.59%	4.61%	4.71%
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	1118	3196	5170	0	0	0	0	0	0	0
5 Additions to CWIP (Lines 1 + 2 + 4)	0	40346	82770	127168	0	0	0	0	0	0	0
6 Less: Amount Transferred to Plant	0	0	0	127168							
7 Ending CWIP Balance (Line 5 - Line 6)	0	40346	82770	0	0	0	0	0	0	0	0

SECTION 2B TOTAL

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS - CONTINGENT INVESTMENTS**

TOTAL

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	0	49674	114699	76707	123718	175231	39362	105879	94628	47548
2 Annual Capital Expenditures	0	48298	79397	81331	42103	44108	67320	63106	85822	49533	22716
3 IDC Rate	0	0	1	0	0	0	0	0	0	0	0
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	0	1376	4764	7846	4907	7405	10507	3411	6829	5504	2774
5 Additions to CWIP (Lines 1 + 2 + 4)	0	49674	133835	203876	123718	175231	253058	105879	198531	149665	73039
6 Less: Amount Transferred to Plant	0	0	19136	127168	0	0	213696	0	103902	102117	73039
7 Ending CWIP Balance (Line 5 - Line 6)	0	49674	114699	76707	123718	175231	39362	105879	94628	47548	0

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS**

TOTAL PLANNED AND CONTINGENT INVESTMENT COSTS

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	4650	98458	184323	165217	229425	285712	39362	105879	94628	47548
2 Annual Capital Expenditures	4579	91790	127761	106012	54545	56549	76526	63106	85822	49533	22716
3 IDC Rate											
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	126	2881	8653	11985	9663	13091	14004	3411	6829	5504	2774
5 Additions to CWIP (Lines 1 + 2 + 4)	4705	99321	234872	302320	229425	299065	376242	105879	198531	149665	73039
6 Less: Amount Transferred to Plant	55	862	50549	137104	0	13353	336880	0	103902	102117	73039
7 Ending CWIP Balance (Line 5 - Line 6)	4650	98458	184323	165217	229425	285712	39362	105879	94628	47548	0

**COSTS OF THE COLUMBIA RIVER JUVENILE FISH MITIGATION PROGRAM
INCLUDING "CRJB" COSTS, MITIGATION ANALYSIS, AND 95 BIOLOGICAL OPINION COSTS
(\$ THOUSANDS)**

**CONSTRUCTION FUNDING APPROPRIATIONS INVESTMENT FOR: COLUMBIA RIVER FISH MITIGATION
95 BIOLOGICAL OPINION COSTS
TOTAL**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1 Starting CWIP Balance	0	29859	145645	236782	239429	281704	351815	39362	105879	94628	47548
2 Annual Capital Expenditures	67018	162264	147985	124646	65949	94435	78264	63106	85822	49533	22716
3 IDC Rate											
4 Annual IDC (Line 1 x Line 4 + 1/2 Line 2 x Line 4)	1850	6326	11707	15105	13675	16709	17373	3411	6829	5504	2774
5 Additions to CWIP (Lines 1 + 2 + 4)	68868	198449	305337	376533	319053	392848	447451	105879	198531	149665	73039
6 Less: Amount Transferred to Plant	39009	52804	68554	137104	37349	41033	408089	0	103902	102117	73039
7 Ending CWIP Balance (Line 5 - Line 6)	29859	145645	236782	239429	281704	351815	39362	105879	94628	47548	0

6-Mar-96

**DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
FY 1997 CONGRESSIONAL BUDGET SUBMITTAL
FISH AND WILDLIFE INVESTMENTS CROSSCUT
(Dollars in Millions)**

EFFECTS FISH AND WILDLIFE DRAFT BUDGET AGREEMENT OF 9/18/95
FOR THE PERIOD FY 1996 - FY 2001

	First Funded By:							FY 1996 - FY 2001	
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	AVERAGE	CUMULATIVE TOTAL
CAPITAL INVESTMENTS									
BPA FISH AND WILDLIFE 1/ ASSOCIATED PROJECTS (FEDERAL HYDRO) 2/ TOTAL CAPITAL INVESTMENTS	BPA COE	27.0 73.4 <u>100.4</u>	27.0 98.8 <u>125.8</u>	27.0 167.5 <u>194.5</u>	27.0 103.3 <u>130.3</u>	27.0 110.6 <u>137.6</u>	27.0 273.2 <u>300.2</u>	27.0 137.8 <u>164.8</u>	162.0 826.8 <u>988.8</u>
PROGRAM OPERATING EXPENSES									
BPA DIRECT FISH AND WILDLIFE EXPENSE PROGRAM 1/									
NON-ESA ACTIVITIES		43.0	35.0	--	--	--	--	--	--
ESA ACTIVITIES		57.0	65.0	--	--	--	--	--	--
TOTAL BPA DIRECT EXPENSES		<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>600.0</u>
BPA POWER PURCHASES FOR FISH ENHANCEMENT (NET) 3/									
U. COLUMBIA RIVER WATER BUDGET SPILL FOR JUVENILE/ADULT PASSAGE FLOW AUGMENTATION REDUCED FOREBAY LEVELS TOTAL NET POWER PURCHASES	BPA BPA BPA BPA	-- -- -- -- <u>97.5</u>	-- -- -- -- <u>96.0</u>	-- -- -- -- <u>89.0</u>	-- -- -- -- <u>91.5</u>	-- -- -- -- <u>94.0</u>	-- -- -- -- <u>80.5</u>	-- -- -- -- <u>91.4</u>	-- -- -- -- <u>548.5</u>
REIMBURSABLE (ASSOC. PROJECTS - FEDERAL HYDRO) 4/									
O & M LOWER SNAKE RIVER HATCHERIES O & M CORPS (w/bypass eff. FY 1992) O & M BUREAU (hatchery eff. FY 1992) OTHER (NW POWER PLANNING COUNCIL) TOTAL REIMBURSABLE	USFWS COE BOR BPA	12.3 20.8 1.3 4.0 <u>38.4</u>	13.9 20.8 1.4 4.4 <u>40.5</u>	13.9 20.8 1.4 4.4 <u>40.5</u>	13.9 20.8 1.4 4.4 <u>40.5</u>	13.9 20.8 1.4 4.4 <u>40.5</u>	13.9 20.8 1.4 4.4 <u>40.5</u>	13.6 20.8 1.4 4.3 <u>40.2</u>	81.8 124.8 8.3 26.0 <u>240.9</u>
TOTAL PROGRAM OPERATING EXPENSES		235.9	236.5	229.5	232.0	234.5	221.0	231.6	1389.4
PROGRAM FIXED EXPENSES - CAPITAL INVESTMENTS 5/									
INTEREST EXPENSE AMORTIZATION EXPENSE DEPRECIATION EXPENSE TOTAL PROGRAM FIXED EXPENSES	BPA BPA BPA	52.2 11.2 9.7 <u>73.1</u>	63.3 13.0 10.9 <u>87.2</u>	77.6 14.9 13.2 <u>105.7</u>	86.2 16.5 15.0 <u>117.7</u>	94.7 17.9 16.7 <u>129.3</u>	117.1 19.0 19.9 <u>156.0</u>	81.9 15.4 14.2 <u>111.5</u>	491.1 92.5 85.4 <u>669.0</u>
GRAND TOTAL PROGRAM EXPENSES		309.0	323.7	335.2	349.7	363.8	377.0	343.1	2058.4
FOREGONE REVENUES 3/									
U. COLUMBIA RIVER WATER BUDGET SPILL FOR JUVENILE/ADULT PASSAGE FLOW AUGMENTATION REDUCED FOREBAY LEVELS SUBTOTAL	BPA BPA BPA BPA	-- -- -- -- <u>97.5</u>	-- -- -- -- <u>96.0</u>	-- -- -- -- <u>89.0</u>	-- -- -- -- <u>91.5</u>	-- -- -- -- <u>94.0</u>	-- -- -- -- <u>80.5</u>	-- -- -- -- <u>91.4</u>	-- -- -- -- <u>548.5</u>
TOTAL - PROGRAM EXPENSES & FOREGONE REVENUES		406.5	419.7	424.2	441.2	457.8	457.5	434.5	2606.9

THE ACCOMPANYING NOTES ARE AN INTEGRAL PART OF THIS TABLE

**BONNEVILLE POWER ADMINISTRATION
FISH AND WILDLIFE INVESTMENTS CROSSCUT**
(\$ in Millions)

TABLE 1
CUMULATIVE
TOTAL
FY 1978 -
1984

SB31D1
UPDATED 5/1/96

WORKING DRAFT

	First Funded By:	FY 1978- 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1978 - 1984
CAPITAL INVESTMENTS							
BPA FISH AND WILDLIFE 1/ ASSOCIATED PROJECTS (FEDERAL HYDRO) 2/ TOTAL CAPITAL INVESTMENTS	BPA COE	0 30.0	0 17.9	0 61.7	0 55.1	0 9.0	0 173.7
		30.0	17.9	61.7	55.1	9.0	173.7
PROGRAM OPERATING EXPENSES							
BPA DIRCT FISH AND WILDLIFE PROGRAM 1/							
NON-E S A ACTIVITIES	BPA	2.3	2.3	4.6	9.1	19.6	37.9
E S A ACTIVITIES	BPA	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL		2.3	2.3	4.6	9.1	19.6	37.9
BPA POWER PURCH. FOR FISH ENHANCEMENT (NET) THRU FY 1993							
EXISTING WATER BUDGET 3/ E S A IMPLEMENTATION 4/ SUB TOTAL	BPA BPA	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	12.0 0.0	12.0 0.0
		0.0	0.0	0.0	0.0	12.0	12.0
BPA POWER PURCH. FOR FISH ENHANCEMENT (NET) EFF. FY 1994 5/							
U. COLUMBIA RIVER WATER BUDGET	BPA	---	---	---	---	---	---
SPILL FOR JUVENILE/ADULT PASSAGE 6/ FLOW AUGMENTATION 7/ REDUCED FOREBAY LEVELS ESA - NMFS FUND (ADD. SPILL FOR JUVE PASS.) SUB TOTAL	BPA BPA BPA BPA	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---
		---	---	---	---	---	---
REIMBURSABLE (ASSOC. PROJECTS - FEDERAL HYDRO)							
O & M LOWER SNAKE RIVER HATCHERIES	USFWS	0.0	0.5	1.0	2.2	3.6	7.3
O & M CORPS (w/bypass eff. FY 1992)	COE	15.0	5.4	7.6	9.1	10.0	47.1
O & M BUREAU (hatchery eff. FY 1992)	BOR	0.0	0.0	0.0	0.0	0.0	0.0
OTHER (NW POWER PLANNING COUNCIL) SUBTOTAL	BPA	0.0 15.0	0.2 6.1	2.9 11.5	2.9 14.2	2.4 16.0	8.4 62.8
		15.0	6.1	11.5	14.2	16.0	62.8
TOTAL PROGRAM OPERATING EXPENSES		17.3	8.4	16.1	23.3	47.6	112.7
PROGRAM RELATED FIXED EXPENSES 9/							
INTEREST EXPENSE	BPA	15.0	6.4	9.2	12.1	12.7	55.4
AMORTIZATION EXPENSE	BPA	0.0	0.0	0.0	0.0	0.0	0.0
DEPRECIATION EXPENSE	BPA	9.0	2.4	3.2	3.8	3.9	22.3
TOTAL PROGRAM FIXED EXPENSES		24	8.8	12.4	15.9	16.6	77.7
GRAND TOTAL PROGRAM EXPENSES		41.3	17.2	28.5	39.2	64.2	190.4
FOREGONE REVENUES THRU FY 1993							
SPILL (at Federal dams)	BPA	0.0	3.0	14.0	1.0	8.0	26.0
ESA Drawdown - Minimum Operating Pool 10/ SUBTOTAL	BPA	0.0 0.0	0.0 3.0	0.0 14.0	0.0 1.0	0.0 8.0	0.0 26.0
		0.0	3.0	14.0	1.0	8.0	26.0
FOREGONE REVENUES FY 1994 5/							
U. COLUMBIA RIVER WATER BUDGET	BPA	---	---	---	---	---	---
SPILL FOR JUVENILE PASSAGE 6/ FLOW AUGMENTATION REDUCED FOREBAY LEVELS 10/ ESA - NMFS FUND (ADD. SPILL FOR JUVE PASS.) SUBTOTAL	BPA BPA BPA BPA	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---
		---	---	---	---	---	---
TOTAL - PROGAM EXPENSES & FOREGONE REVENUES		41.3	20.2	42.5	40.2	72.2	216.4

THE ACCOMPANYING NOTES ARE AN INTEGRAL PART OF THIS TABLE.

**BONNEVILLE POWER ADMINISTRATION
FISH AND WILDLIFE INVESTMENTS CROSSCUT**
(\$ in Millions)

TABLE 2
CUMULATIVE
TOTAL
FY 1985 -
1990

SB31D1
UPDATED 5/1/96

WORKING DRAFT

	First Funded By:	FY 1985	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	CUMULATIVE TOTAL FY 1985 - 1990
CAPITAL INVESTMENTS								
BPA FISH AND WILDLIFE 1/	BPA	10.2	8	4.7	7.7	8.3	16.2	55.1
ASSOCIATED PROJECTS (FEDERAL HYDRO) 2/	COE	46.4	9.1	78.6	7.6	5.3	4.5	151.5
TOTAL CAPITAL INVESTMENTS		56.6	17.1	83.3	15.3	13.6	20.7	206.6
PROGRAM OPERATING EXPENSES								
BPA DIRCT FISH AND WILDLIFE PROGRAM 1/								
NON-E S A ACTIVITIES	BPA	15.9	19.6	22.2	18.8	23.0	32.8	132.3
E S A ACTIVITIES	BPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL		15.9	19.6	22.2	18.8	23.0	32.8	132.3
BPA POWER PURCH. FOR FISH ENHANCEMENT (NET) THRU FY 1993								
EXISTING WATER BUDGET 3/	BPA	17.0	74.0	11.0	40.0	40.0	40.0	222.0
E S A IMPLEMENTATION 4/	BPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB TOTAL		17.0	74.0	11.0	40.0	40.0	40.0	222.0
BPA POWER PURCH. FOR FISH ENHANCEMENT (NET) EFF. FY 1994 5/								
U. COLUMBIA RIVER WATER BUDGET	BPA	--	--	--	--	--	--	--
SPILL FOR JUVENILE/ADULT PASSAGE 6/	BPA	--	--	--	--	--	--	--
FLOW AUGMENTATION 7/	BPA	--	--	--	--	--	--	--
REDUCED FOREBAY LEVELS	BPA	--	--	--	--	--	--	--
ESA - NMFS FUND (ADD. SPILL FOR JUVE PASS.)	BPA	--	--	--	--	--	--	--
SUB TOTAL		--	--	--	--	--	--	--
REIMBURSABLE (ASSOC. PROJECTS - FEDERAL HYDRO)								
O & M LOWER SNAKE RIVER HATCHERIES	USFWS	5.4	4.9	5.8	5.1	7.6	8.3	37.1
O & M CORPS (w/bypass eff. FY 1992)	COE	11.4	15.8	20.7	10.5	12.3	11.5	82.2
O & M BUREAU (hatchery eff. FY 1992)	BOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER (NW POWER PLANNING COUNCIL)	BPA	3.1	3.0	3.2	3.4	3.7	3.6	20.0
SUBTOTAL		19.9	23.7	29.7	19.0	23.6	23.4	139.3
TOTAL PROGRAM OPERATING EXPENSES		52.8	117.3	62.9	77.8	86.6	96.2	493.6
PROGRAM RELATED FIXED EXPENSES 9/								
INTEREST EXPENSE	BPA	15.3	17.1	22.2	24.3	24.5	26.0	129.4
AMORTIZATION EXPENSE	BPA	0.1	0.5	0.8	1.1	1.7	2.4	6.6
DEPRECIATION EXPENSE	BPA	4.3	4.5	5.5	5.6	5.7	5.9	31.5
TOTAL PROGRAM FIXED EXPENSES		19.7	22.1	28.5	31	31.9	34.3	167.5
GRAND TOTAL PROGRAM EXPENSES		72.5	139.4	91.4	108.8	118.5	130.5	661.1
FOREGONE REVENUES THRU FY 1993								
SPILL (at Federal dams)	BPA	27.0	19.0	9.0	10.0	15.0	15.0	95.0
ESA Drawdown - Minimum Operating Pool 10/	BPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL		27.0	19.0	9.0	10.0	15.0	15.0	95.0
FOREGONE REVENUES FY 1994 5/								
U. COLUMBIA RIVER WATER BUDGET	BPA	--	--	--	--	--	--	--
SPILL FOR JUVENILE PASSAGE 6/	BPA	--	--	--	--	--	--	--
FLOW AUGMENTATION	BPA	--	--	--	--	--	--	--
REDUCED FOREBAY LEVELS 10/	BPA	--	--	--	--	--	--	--
ESA - NMFS FUND (ADD. SPILL FOR JUVE PASS.)	BPA	--	--	--	--	--	--	--
SUBTOTAL		--	--	--	--	--	--	--
TOTAL - PROGAM EXPENSES & FOREGONE REVENUES		99.5	158.4	100.4	118.8	133.5	145.5	756.1

THE ACCOMPANYING NOTES ARE AN INTEGRAL PART OF THIS TABLE.

**BONNEVILLE POWER ADMINISTRATION
FISH AND WILDLIFE INVESTMENTS CROSSCUT**

TABLE 3

SB31D1

WORKING DRAFT

UPDATED 5/1/96

(\$ in Millions)

CUMULATIVE

ALL YEARS

	First Funded By:	FY 1991	FY 1992	FY1993	FY 1994	FY 1995	TOTAL FY 1991 - 1995	TOTAL FY 1978 - FY 1995
CAPITAL INVESTMENTS								
BPA FISH AND WILDLIFE 1/	BPA	17.7	11.2	17.3	20.5	32.5	99.2	154.3
ASSOCIATED PROJECTS (FEDERAL HYDRO) 2/	COE	12.0	4.7	162.0	63.0	48.0	289.7	614.9
TOTAL CAPITAL INVESTMENTS		29.7	15.9	179.3	83.5	80.5	388.9	769.2
PROGRAM OPERATING EXPENSES								
BPA DIRCT FISH AND WILDLIFE PROGRAM 1/								
NON-E S A ACTIVITIES	BPA	32.7	59.4	30.0	43.5	47.7	213.3	383.5
E S A ACTIVITIES	BPA	0.3	7.6	19.6	12.4	23.7	63.6	63.6
SUBTOTAL		33.0	67.0	49.6	55.9	71.4	276.9	447.1
BPA POWER PURCH. FOR FISH ENHANCEMENT (NET) THRU FY 1993								
EXISTING WATER BUDGET 3/	BPA	40.0	40.0	40.0	0.0	0.0	120.0	354
E S A IMPLEMENTATION 4/	BPA	0.0	19.0	64.0	0.0	0.0	83.0	83
SUB TOTAL		40.0	59.0	104.0	0.0	0.0	203.0	437.0
BPA POWER PURCH. FOR FISH ENHANCEMENT (NET) EFF. FY 1994 5/								
U. COLUMBIA RIVER WATER BUDGET	BPA	--	--	--	40.0	0.0	--	--
SPILL FOR JUVENILE/ADULT PASSAGE 6/	BPA	--	--	--	5.7	0.0	--	--
FLOW AUGMENTATION 7/	BPA	--	--	--	66.0	0.0	--	--
REDUCED FOREBAY LEVELS	BPA	--	--	--	0.0	0.0	--	--
ESA - NMFS FUND (ADD. SPILL FOR JUVE PASS.)	BPA	--	--	--	0.0	0.0	--	--
SUB TOTAL					111.7	114.0	225.7	225.7
REIMBURSABLE (ASSOC. PROJECTS - FEDERAL HYDRO)								
O & M LOWER SNAKE RIVER HATCHERIES	USFWS	8.7	11.2	11.2	12.4	12.7	56.2	100.6
O & M CORPS (w/bypass eff. FY 1992)	COE	11.8	13.3	14.0	16.9	17.8	73.8	203.1
O & M BUREAU (hatchery eff. FY 1992)	BOR	0.0	0.0	1.2	1.3	1.3	3.8	3.8
OTHER (NW POWER PLANNING COUNCIL)	BPA	3.8	3.9	4.1	4.3	4.3	20.4	48.8
SUBTOTAL		24.3	28.4	30.5	34.9	36.1	154.2	356.3
TOTAL PROGRAM OPERATING EXPENSES		97.3	154.4	184.1	202.5	221.5	859.8	1466.1
PROGRAM RELATED FIXED EXPENSES 9/								
INTEREST EXPENSE	BPA	29.2	31.4	40.6	46.1	44.9	192.2	377
AMORTIZATION EXPENSE	BPA	3.6	4.8	5.5	6.8	8.5	29.2	35.8
DEPRECIATION EXPENSE	BPA	5.4	5.7	7.5	8.4	10.2	37.2	91
TOTAL PROGRAM FIXED EXPENSES		38.2	41.9	53.6	61.3	63.6	258.6	503.8
GRAND TOTAL PROGRAM EXPENSES		135.5	196.3	237.7	263.8	285.1	1118.4	1969.9
FOREGONE REVENUES THRU FY 1993								
SPILL (at Federal dams)	BPA	15.0	15.0	20.0	--	--	50.0	171
ESA Drawdown - Minimum Operating Pool 10/	BPA	0.0	8.0	25.0	--	--	33.0	33
		15.0	23.0	45.0	0.0	0.0	83.0	204.0
FOREGONE REVENUES FY 1994 5/								
U. COLUMBIA RIVER WATER BUDGET	BPA	--	--	--	0.0	--	--	0.0
SPILL FOR JUVENILE PASSAGE 6/	BPA	--	--	--	32.0	--	--	0.0
FLOW AUGMENTATION	BPA	--	--	--	0.0	--	--	0.0
REDUCED FOREBAY LEVELS 10/	BPA	--	--	--	25.0	--	--	0.0
ESA - NMFS FUND (ADD. SPILL FOR JUVE PASS.)	BPA	--	--	--	5.0	--	--	0.0
SUBTOTAL					62.0	114.0	176.0	176.0
TOTAL - PROGAM EXPENSES & FOREGONE REVENUES		150.5	219.3	282.7	325.8	399.1	1377.4	2349.9

THE ACCOMPANYING NOTES ARE AN INTEGRAL PART OF THIS TABLE.