BPA FISH & WILDLIFE MOA FUNDING - Accrued Actuals - FY 1996 through FY 1999 - 4th Quarter

February 17, 2000

Dollars in Millions

FY	Actuals 1996	Actuals 1997	Actuals 1998	Q1-99	Q2-99	Q3-99	Q4-99	Actuals 1999	Est 2000	Est 2001	"Assumptions based on Full Transportation Alternative reflective c 2002	2003	2004	2005	2006	96-01 Total	96-01 Avg	02-06 Total	02-06 Avg	96-06 Total	96-06 Avg
Direct Program Expenses																					
MOA Plan	100.0	100.0	100.0					100.0	100.0	100.0	-	-	-	-	-	600.0	100.0	-	-	1,100.0	100.0
Avg Expenditure Amount Available 1/	**100.0**	133.1	153.5					150.7	144.6	136.3	-	-	-	-	-	-	-	-	-	-	-
Expense	65.1	79.7	102.9	*11.2*	*27.2*	*20.0*	*48.7*	107.1	102.5	102.5	-	-	-	-	-	559.8	93.3	-	-	-	-
Distributions	3.4	2.5	2.0	*0.2*	*0.2*	*0.3*	*0.3*	1.1	2.5	2.5	-	-	-	-	-	14.0	2.3	-	-	-	-
Actual (FY96-99); Planned (FYs 2000-01) 2/	68.5	82.2	104.9	*11.4*	*27.4*	*20.3*	*49.1*	108.2	110.0	105.0	-	-	-	-	-	573.7	95.6	-	-	1,073.7	97.6
Carry Forward Balance 3/ 4/	31.5	50.9	48.6	-	-	-	-	42.5	34.6	31.3	-	-	-	-	-	-	-	-	-	-	-
FYI - Interest Associated with Carry Forward	1.6	2.6	2.1	-	-	-	-	2.1	1.7	1.5	-	-	-	-	-	11.5	1.9	-	-	-	-
Outyear Estimate	-	-	-	-	-	-	-	-	-	-	100.0	100.0	100.0	100.0	100.0			500.0	100.0	-	-
Reimbursable F&W Expenses of Other Agencies																					
Corp of Engineers O&M - North Pacific Divisions	20.8	20.8	20.8	-	-	-	-	20.8	20.8	20.8	-	-	-	-	-	124.8	20.8	-	-	-	-
Bureau of Reclamation O&M (Leavenworth)	1.3	1.4	1.4	-	-	-	-	1.4	1.4	1.4	-	-	-	-	-	8.3	1.4	-	-	-	-
USF&WS O&M (LSRCP)	12.3	13.9	13.9	-	-	-	-	13.9	13.9	13.9	-	-	-	-	-	81.8	13.6	-	-	-	-
Other (50% of NWPPC)	4.0	4.4	4.4	-	-	-	-	4.4	4.4	4.4	-	-	-	-	-	26.0	4.3	-	-	-	-
MOA Plan	38.4	40.5	40.5					40.5	40.5	40.5	-	-	-	-	-	240.9	40.2	-	-	462.5	42.0
Avg Expenditure Amount Available	**40.2**	45.3	50.0	*0.0*	*0.0*	*0.0*	*0.0*	54.4	56.4	50.7	-	-	-	-	-	-	-	-	-	-	-
Corps of Engineers O&M - North Pacific Portland	7.9	7.8	7.4	*2.0*	*2.0*	*1.8*	*2.6*	8.5	25.9	27.1	-	-	-	-	-	84.6	14.1	-	-	-	-
Corps of Engineers O&M - North Pacific Seattle	0.7	0.5	0.9	*0.1*	*0.1*	*0.2*	*0.8*	1.2	0.0	0.0	-	-	-	-	-	3.3	0.5	-	-	-	-
Corps of Engineers O&M - North Pacific Walla Walla	9.7	10.5	10.2	*0.8*	*0.8*	*5.5*	*3.2*	10.3	0.0	0.0	-	-	-	-	-	40.7	6.8	-	-	-	-
Corp of Engineers O&M North Pacific Divisions - Total	**18.2**	**18.9**	**18.5**	***2.9***	***2.9***	***7.5***	***6.6***	**19.9**	**25.9**	**27.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**128.6**	**21.4**	**0.0**	**0.0**		
Bureau of Reclamation O&M (Leavenworth)	1.5	1.5	2.7	*0.0*	*0.0*	*1.4*	*1.2*	2.6	2.4	3.6	-	-	-	-	-	14.4	2.4	-	-	-	-
USF&WS O&M (LSRCP)	11.5	11.8	11.4	*3.1*	*3.1*	*3.1*	*3.7*	13.0	14.8	15.4	-	-	-	-	-	77.8	13.0	-	-	-	-
Other (50% of NWPPC)	4.2	3.7	3.7	*0.9*	*0.9*	*0.9*	*0.9*	3.4	3.3	3.1	-	-	-	-	-	21.4	3.6	-	-	-	-
Actual (FY96-99); Planned (FYs 2000-01)	35.4	35.9	36.4	*6.9*	*6.9*	*12.9*	*12.3*	38.9	46.4	49.2	-	-	-	-	-	242.2	40.4	-	-	-	-
Carry Forward Balance 4/	4.8	9.4	13.6	-	-	-	-	15.5	10.0	1.5	-	-	-	-	-	-	-	-	-	-	-
FYI - Interest Associated with Carry Forward	0.3	0.5	0.6	-	-	-	-	0.8	0.5	0.1	-	-	-	-	-	2.6	0.4	-	-	-	-
Outyear Estimate	-	-	-	-	-	-	-	-	-	-	41.7	43.0	44.3	45.6	47.0	-	-	221.6	44.3	-	-
Capital Investments Fixed Expenses																					
LSRCP	5.9	4.2	0.0	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Columbia River Fish Mitigation - COE Passage	82.2	85.2	97.3	-	-	-	-	76.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	0.0	0.0	0.0	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
FYI - Appropriations	88.1	89.4	97.3	*0.0*	*0.0*	*0.0*	*0.0*	76.9	74.4	121.4	135.5	183.7	279.3	405.9	373.9	-	-	-	-	-	-
LSRCP	6.3	4.3	0.0	-	-	-	-	0.0	0.8	0.4	0.8	0.0	0.0	0.0	0.0	11.7	2.0	0.8	0.2	12.5	1.1
Corps of Engineers - North Pacific Portland	0.0	0.0	0.0	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Corps of Engineers - North Pacific Seattle	0.0	0.0	0.0	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Corps of Engineers - North Pacific Walla Walla	45.1	-36.9	0.3	-	-	-	-	20.7	4.5	457.5	111.0	44.7	213.6	91.2	125.9	-	-	-	-	-	-
Columbia River Fish Mitigation - COE Passage Total	**45.1**	**-36.9**	**0.3**	***0.0***	***0.0***	***0.0***	***0.0***	**20.7**	**4.5**	**457.5**	**111.0**	**44.7**	**213.6**	**91.2**	**125.9**	491.2	81.9	586.4	117.3	1,077.6	98.0
Other/BOR	2.0	5.8	0.3	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	1.4	0.0	0.0	8.2	0.7
FYI - New Additions (PIS)	53.3	-26.8	0.6	*These annualized values are not*				20.7	5.3	457.9	111.8	44.7	213.6	91.2	125.9	511.0	85.2	587.2	117.4	1,098.2	99.8
MOA Plan	73.1	87.2	105.7	*available on a quarterly basis.*				117.7	129.3	156.0	-	-	-	-	-	669.0	111.5	-	-	1,256.2	114.2
Avg Expenditure Amount Available 1/	**111.5**	151.9	190.3					233.0	274.6	315.1	-	-	-	-	-	-	-	-	-	-	-
FYI - Based on BPA Capital Investment Borrowing of -	**26.0**	**28.1**	**22.0**					**0.0**	**27.0**	**27.0**	**34.7**	**38.3**	**35.8**	**34.0**	**34.2**						
Interest Expense - BPA ($27M)	9.6	10.9	12.0	-	-	-	-	12.9	13.7	14.0	14.5	15.5	16.4	17.0	17.5	73.1	12.2	80.9	16.2	-	-
Amortization Expense - BPA ($27M)	10.6	12.4	14.2	-	-	-	-	16.0	17.7	18.9	20.3	22.3	24.3	25.8	26.9	89.8	15.0	119.6	23.9	-	-
FYI - Based on non-BPA Cap Investment Borrowing of -	**53.3**	**-26.8**	**0.6**					**20.7**	**5.3**	**457.9**	**111.8**	**44.7**	**213.6**	**91.2**	**125.9**						
Interest Expense - non BPA (COE/BOR)	41.5	41.5	37.1	-	-	-	-	37.2	37.4	51.7	68.5	72.0	78.3	85.9	90.6	246.4	41.1	395.3	79.1	-	-
Depreciation Expense - non BPA (COE/BOR)	11.4	11.5	11.1	-	-	-	-	11.4	11.6	16.3	22.0	23.6	26.1	29.2	31.4	73.3	0.0	132.3	26.5	-	-
Actual (FY96-99); Planned (FYs 2000-01)	73.1	76.3	74.4	*0.0*	*0.0*	*0.0*	*0.0*	77.5	80.4	100.9	125.3	133.4	145.1	157.9	166.4	482.6	80.4	728.1	145.6	1,210.7	110.1
Carry Forward Balance 4/	38.4	75.6	115.9	-	-	-	-	155.5	194.2	214.2	-	-	-	-	-	-	-	-	-	-	-
FYI - Interest Associated with Carry Forward	2.0	3.9	4.9	-	-	-	-	7.6	9.5	10.4	-	-	-	-	-	38.1	6.4	-	-	-	-
Outyear Estimate	-	-	-	-	-	-	-	-	-	-	125.3	133.4	145.1	157.9	166.4			728.1	145.6	-	-
Total																					
MOA Plan	211.5	227.7	246.2					258.2	269.8	296.5	-	-	-	-	-	1,509.9	251.7	-	-	2,959.6	269.1
Avg Expenditure Amount Available 1/	**251.7**	330.3	393.8					438.1	475.6	502.1	-	-	-	-	-	2,391.5	398.6	-	-	3,841.2	349.2
Actual Expenditures	177.0	194.4	215.7	*18.3*	*34.2*	*33.2*	*61.4*	224.6	236.8	255.1	-	-	-	-	-	1,303.5	217.3	-	-	-	-
Carry Forward Balance 4/	74.7	136.0	178.1	-	-	-	-	213.5	238.8	247.0	-	-	-	-	-	-	-	-	-	-	-
FYI - Interest Associated with Carry Forward	3.8	6.9	7.5	-	-	-	-	10.4	11.6	12.0	-	-	-	-	-	52.2	8.7	-	-	-	-
Outyear Estimate	-	-	-	-	-	-	-	-	-	-	267.0	276.4	289.4	303.5	313.4	-	-	1,449.7	289.9	-	-
River Operations 8/													"Estimates Only"								
MOA Plan	183.0	183.0	183.0					183.0	183.0	183.0	-	-	-	-	-	1,098.0	183.0	-	-	-	-
Power Purchases 5/	0.0	0.0	5.4	-	-	-	-		93.6	95.9	95.0	100.0	105.0	112.0	120.0	194.9	32.5	532.0	106.4	726.9	66.1
Foregone Revenues 5/	81.7	107.8	116.5	-	-	-	-		63.0	64.6	28.0	30.0	31.0	34.0	36.0	433.6	72.3	159.0	31.8	592.6	53.9
Other 7/	4.0	4.0	4.0	-	-	-	-		4.2	4.3	51.0	51.0	51.0	51.0	51.0	20.5	3.4	255.0	51.0	275.5	25.0
Total	85.7	111.8	125.9	*0.0*	*0.0*	*0.0*	*0.0*	0.0	160.8	164.8	-	-	-	-	-	649.0	108.2	-	-	1,595.0	145.0
Outyear Estimate	-	-	-	*These annualized values are not*					-	-	174.0	181.0	187.0	197.0	207.0	-	-	946.0	189.2	-	-
				available on a quarterly basis.																	
GRAND TOTAL	**262.7**	**306.2**	**341.6**	***18.3***	***34.2***	***33.2***	***61.4***	**224.6**	**397.6**	**419.9**	**441.0**	**457.4**	**476.4**	**500.5**	**520.4**	**1,952.5**	**325.4**	**2,395.7**	**479.1**	**4,348.2**	**395.3** 6/
Capital Improvements/Additions & FACRI	0.0	12.7	0.0	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	2.1	0.0	0.0	12.7	1.2
Lost Opportunity	0.0	0.0	0.0	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FYI - Transmission	0.0	12.7	0.0	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	2.1	0.0	0.0	12.7	1.2
13 Week Interest Rates		1.05083	1.05093					1.04221	1.04864	1.04864	1.04864	1.04864	1.04864	1.04864	1.04864						

Assumptions:

Actual Expenditures for all expenses and capital investments reflect FY 1996-1999 actual results.

Notes:

1/ In addition, $27 million per year average in capital funding (borrowing) will be provided by BPA for the Direct Program. The interest and amortization for this is reflected in the Expenditures Plan for the Capital Investment category.

2/ This information is reported on an accrual basis. For direct program management purposes BPA also reports expenditures on an obligation basis. Typically accruals lag obligations as not all funds are expended in the year in which they are obligated.

3/ BPA's FY 1996 - 2001 Fish and Wildlife Program Expense Budget is $100 million per year. Actual expenses for FY 1996-99 were approximately $42.5M less than the Expenditure Amount Available. BPA, in accordance with the MOA, will carry forward this amount with interest.

4/ Original MOA Plan included interest at 5.093 percent for FYs 1999 though 2001. The actual interest rate is determined annually (10/1). The interest rate for FY 1996 was 5.083; FY 1997 was 5.093; FY 1998 was 4.221; FY 1999 was 4.864

5/ Estimated for FY 1996-99; actual amount will change when the river models are executed. For FY 1999, final hydro operation numbers require information on actual hydrological conditions. This information is not yet available.

6/ During the initial discussions when developing the MOA the "96-01 Avg" was estimated to be about $435 million.

7/ These estimated costs are related to the Idaho Power flow-shaping contract.

8/ Based on an average of 50 water conditions which could range from $90M - $280M in any given year.

"Blue" tint totals to $434.7M for 1996-2001. "Purple tint total to $479.1M for 2002-2007.