BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-03-13

IDAHO POWER COMPANY

G. SAID

WORKPAPERS

IDAHO POWER COMPANY
BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION
SUMMARY OF ADJUSTMENTS
TWELVE MONTHS ENDED DECEMBER 31, 1993

		SOURCE	TOTAL SYSTEM	IDAHO IPUC	OREGON OPUC	NEVADA PSCN	AZUSA BANNING COLTON	CITY OF WEISER	SIERRA PACIFIC	SIERRA LONG TERM
ADJUSTED 1993 ALLOCATION FACTORS										
CAPACITY RELATED KW										
1	GENERATION LEVEL (PSP)	D10	2,138,076	1,849,774.1	78,885.4	6,953.2	5,118.3	7,836.2	12,829.9	66,363.7
2	POWER SUPPLY-TRANSMISSION (PST)	D11	2,439,798	1,849,774.1	78,885.4	6,953.2	5,118.3	7,836.2	12,829.9	66,363.7
3	TRANSMISSION SERVICE - 138KV	D13	2,203,393	1,849,774.1	78,885.4	6,953.2	0.0	7,836.2	0.0	0.0
4	SUBTRANSMISSION SERVICE - 46/69	D15	2,203,393	1,849,774.1	78,885.4	6,953.2	0.0	7,836.2	0.0	0.0
5	DISTRIBUTION - SUBSTATIONS	D60	1,629,952	1,538,549.6	73,580.4	6,953.2	0.0	0.0	0.0	0.0
6	CUSTOMER LEVEL	D99	6,391,551	0.0	0.0	0.0	84,000.0	98,245.0	122,928.0	789,000.0
ENERGY RELATED MWH										
7	GENERATION LEVEL (PSP)	E10	14,491,121	12,394,759.3	563,125.2	49,993.4	43,482.4	49,623.9	99,586.6	434,477.8
8	RETAIL MWH AT GENERATION LVL	E100	13,007,878	12,394,759.3	563,125.2	49,993.4	0.0	0.0	0.0	0.0
9	CUSTOMER LEVEL	E99	15,342,835	11,347,959.6	514,277.8	45,572.3	42,175.0	47,126.2	96,592.2	421,414.0
CUSTOMER RELATED FACTORS										
10	369-DIRECT ASSIGNMENT	DA369	23,832,907	21,722,735	2,022,712	87,460	0	0	0	0
11	370-DIRECT ASSIGNMENT	DA370	25,576,662	24,111,120	1,353,005	112,537	0	0	0	0
12	902-CUSTOMER WEIGHTED	CW902	2,607,736	2,455,831	141,880	9,425	0	300	300	0
13	903-CUSTOMER WEIGHTED	CW903	7,833,472	7,413,308	389,983	30,181	0	0	0	0
14	904-CUSTOMER WEIGHTED	CW904	1,174,243	1,121,145	49,209	3,889	0	0	0	0
15	909-DIRECT ASSIGN-AVG.NO.CUST.	DA909	306,430	289,948	15,298	1,184	0	0	0	0
DIRECT ASSIGNMENTS										
16	252-CUSTOMER ADVANCES	DA252	17,138,431	16,760,187	378,244	0	0	0	0	0
17	350-LAND & LAND RIGHTS	DA350	148,552	0	0	0	0	0	0	0
18	352-STRUCTURES & IMPROVEMENTS	DA352	166,450	0	658	0	0	0	0	0
19	353-STATION EQUIPMENT	DA353	1,484,859	0	29,446	0	0	0	0	0
20	354-TOWERS & FIXTURES	DA354	96,445	0	0	0	0	0	0	0
21	355-POLES & FIXTURES	DA355	2,027,042	0	0	0	0	0	0	0
22	356-OVERHEAD CONDUCTORS & DEVICES	DA356	1,236,872	0	0	0	0	0	0	0
23	359-ROADS & TRAILS	DA359	14,938	0	0	0	0	3,442	0	0
24	360LAND & LAND RIGHTS	DA360	6,174	1,244	0	0	0	58,521	0	0
25	361-STRUCTURES & IMPROVEMENTS	DA361	570,344	503,860	0	0	0	394,990	0	0
26	362-STATION EQUIPMENT	DA362	4,757,142	4,302,228	0	0	0			

6/9/94/EXHPAO11.XLS/pao.

EXHIBIT NO. 29
CASE NO. IPC-E-94-5
P. OBENCHAIN, IPCO
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WRATE	MONTH	JURISDICTION IPUC NORMALIZED MWH	OPUC NORMALIZED MWH	NPSC NORMALIZED MWH	FERC NORMALIZED MWH	PRAIRIE NORMALIZED MWH	TOTAL NORMALIZED MWH
FMC	JAN93	141,062.393	0.000	0.000	0.000	0.000	141,062.393
	FEB93	130,636.791	0.000	0.000	0.000	0.000	130,636.791
	MAR93	146,419.199	0.000	0.000	0.000	0.000	146,419.199
	APR93	139,773.590	0.000	0.000	0.000	0.000	139,773.590
	MAY93	151,775.994	0.000	0.000	0.000	0.000	151,775.994
	JUN93	126,696.955	0.000	0.000	0.000	0.000	126,696.955
	JUL93	111,421.436	0.000	0.000	0.000	0.000	111,421.436
	AUG93	119,992.316	0.000	0.000	0.000	0.000	119,992.316
	SEP93	119,220.483	0.000	0.000	0.000	0.000	119,220.483
	OCT93	137,675.997	0.000	0.000	0.000	0.000	137,675.997
	NOV93	127,871.991	0.000	0.000	0.000	0.000	127,871.991
	DEC93	137,491.197	0.000	0.000	0.000	0.000	137,491.197
TOTAL		1,590,038.342	0.000	0.000	0.000	0.000	1,590,038.342
INEL	JAN93	14,235.760	0.000	0.000	0.000	0.000	14,235.760
	FEB93	15,461.270	0.000	0.000	0.000	0.000	15,461.270
	MAR93	11,542.800	0.000	0.000	0.000	0.000	11,542.800
	APR93	18,742.870	0.000	0.000	0.000	0.000	18,742.870
	MAY93	18,083.350	0.000	0.000	0.000	0.000	18,083.350
	JUN93	13,795.760	0.000	0.000	0.000	0.000	13,795.760
	JUL93	14,028.372	0.000	0.000	0.000	0.000	14,028.372
	AUG93	9,102.610	0.000	0.000	0.000	0.000	9,102.610
	SEP93	12,652.180	0.000	0.000	0.000	0.000	12,652.180
	OCT93	13,161.540	0.000	0.000	0.000	0.000	13,161.540
	NOV93	15,158.830	0.000	0.000	0.000	0.000	15,158.830
	DEC93	16,332.640	0.000	0.000	0.000	0.000	16,332.640
TOTAL		172,297.982	0.000	0.000	0.000	0.000	172,297.982

FMC @ CUSTOMER LOAD 1,590,038 MWH

DIST. STATION LOSSES 5.3%

FMC @ POWER SUPPLY LOAD 1,674,310 MWH

Development of Energy Related Allocation Factors - Normalized

Total Annual Energy
TWELVE MONTHS ENDING DECEMBER 31, 1993

Line No.	Description	Delivery Voltage	Customer Level MWH	Losses 1985-1987	Power Supply Level MWH
				EMC INCLUDED	
I.	**RETAIL JURISDICTIONS**				
	State of Idaho				
	Transmission Level	138 KV	172,298.0	4.20%	179,534.5
	Subtransmission Level	46 & 69 KV	88,923.1	5.60%	93,902.8
	Distribution Station	13.2 KV	2,119,148.4	5.30%	2,231,463.3
	Primary Distribution	12.5-34.5 KV	1,491,326.0	7.70%	1,606,158.1
	All Other Service		7,476,264.1	10.80%	8,283,700.7
	Total Idaho Retail		11,347,959.7		12,394,759.4
	State of Oregon				
	Transmission Level	138 KV	56,474.8	4.20%	58,846.7
	Subtransmission	69 KV	568.8	5.60%	600.7
	Primary Distribution	12.5-34.5 KV	94,764.0	7.70%	102,060.9
	All Other Service		362,470.2	10.80%	401,616.9
	Total Oregon Retail		514,277.8		563,125.2
	State of Nevada				
	Primary Distribution	12.5-34.5 KV	16,150.7	7.70%	17,394.3
	All Other Service		29,421.6	10.80%	32,599.2
	Total Nevada Retail		45,572.3		49,993.4
II.	**WHOLESALE CONTRACTS**				
	Azusa, Banning & Colton	230 KV	42,175.0	3.10%	43,482.4
	Montana Power Company	230 KV	437,500.0	3.10%	451,062.5
	OTECC	69 KV	46,658.0	5.60%	49,270.8
	Sierra-Midpoint	345 KV	96,592.2	3.10%	99,586.6
	Sierra-Elko	69 KV	0.0	5.60%	0.0
	Total Sierra-Elko Contract		96,592.2		99,586.6
	Sierra-Long Term	345 KV	421,414.0	3.10%	434,477.8
	UAMPS	345 KV	316,736.0	3.10%	326,554.8
	Washington City	345 KV	28,307.0	3.10%	29,184.5
	Weiser City	12.5KV	47,126.2	5.30%	49,623.9
	Total Wholesale Contracts		1,436,508.4		1,483,243.4
III.	**TRANSMISSION CONTRACTS**				
	BPA South Idaho T.S.A.				
	BPA/OTECC T.S.A.				
	Seattle City & Light T.S.A.				
	SYSTEM TOTALS				
	Total Sales		13,344,318.2		14,491,121.5

Run 05 - 5/11/94

IDAHO POWER COMPANY
DEVELOPMENT OF ENERGY-RELATED ALLOCATION FACTORS
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 1993
NORMALIZED

SCRIPTION	DELIVERY VOLTAGE	CUSTOMER LEVEL-Mwh	LOSS FACTORS	POWER SUP LEVEL-Mwh	ENERGY ALLOCATOR E10	BILLING ALLOCATORS E999 - Mwh	D999 - Kw
RETAIL JURISDICTIONS							
State of Idaho							
Transmission Level	46/69/138kv	261,221.1	4.7%	273,437.3	273,437.3		
Distribution Station	13.2kv	2,119,148.4	5.3%	2,231,463.3	2,231,463.3		
Distribution Primary	12.4-34.5	1,491,326.0	7.7%	1,606,158.1	1,606,158.1		
All Other Service		7,476,264.1	10.8%	8,283,700.6	8,283,700.6		
Total Idaho Retail		11,347,959.6		12,394,759.3	12,394,759.3	11,347,959.6	0
State of Oregon							
Transmission Level	46/69/138kv	57,043.6	4.2%	59,447.4	59,447.4		
Distribution Primary	12.4-34.5	94,764.0	7.7%	102,060.9	102,060.9		
All Other Service		362,470.2	10.8%	401,616.9	401,616.9		
Total Oregon Retail		514,277.8		563,125.2	563,125.2	514,277.8	0
State of Nevada							
Distribution Primary	12.4-34.5	16,150.7	7.7%	17,394.3	17,394.3		
All Other Service		29,421.6	10.8%	32,599.2	32,599.2		
Total Nevada Retail		45,572.3		49,993.4	49,993.4	45,572.3	0
Total Retail Jurisdictions		11,907,809.7		13,007,877.9	13,007,877.9	11,907,809.7	0
WHOLESALE CONTRACTS:							
Azusa, Banning & Colton	230kv	42,175.0	3.1%	43,482.4	43,482.4	42,175.0	84,000
Montana Power Company	230kv	437,500.0	3.1%	451,062.5	451,062.5	437,500.0	600,000
OTECC Power Sale Agreement	69kv	46,658.0	5.6%	49,270.8	49,270.8	46,658.0	60,000
Sierra-Elko @ Midpoint	345kv	96,592.2	3.1%	99,586.6	99,586.6	96,592.2	122,928
Sierra-Long Term	345kv	421,414.0	3.1%	434,477.8	434,477.8	421,414.0	789,000
Washington City/UAMPS	345kv	345,043.0	3.1%	355,739.3	355,739.3	345,043.0	54,000
City of Weiser	12.5kv	47,126.2	5.3%	49,623.9	49,623.9	47,126.2	98,245
Total Wholesale Contracts		1,436,508.4		1,483,243.4	1,483,243.4	1,436,508.4	1,808,173
II. TRANSMISSION CONTRACTS:							
BPA-OTECC	46/69/138kv	223,114.00	4.9%	233,956.0	0.0	223,114.0	713,741
BPA-South Idaho	ALL	1,471,659.3	4.2%	1,532,668.4	0.0	1,471,659.3	2,584,017
City of Seattle	46/69/138kv	176,856.0	4.2%	184,284.0	0.0	176,856.0	
Sierra-25 TSA	138/230kv	174,285.0	4.2%	181,605.0	0.0	174,285.0	300,000
Sierra-Elko	69kv	23,478.0	5.6%	24,792.8	0.0	23,478.0	60,000
Total Transmission Contracts		2,069,392.3		2,157,306.1	0.0	2,069,392.3	3,657,758
Total Jurisdictional Sales(Including Transmission)		15,413,710.4		16,648,427.5	14,491,121.4	15,413,710.4	5,465,931
Total System Sales (Excluding Transmission)		13,344,318.1		14,491,121.4	14,491,121.4	13,344,318.1	1,808,173
Company Use		26,693.0	10.8%	29,575.8	29,575.8		
Other Losses				-190,788.2	-190,788.2		
Total Power Supply Level Sales				14,329,909.0	14,329,909.0		

JUL91-JUN92 N[illegible]LIZED LOAD

LOAD YEAR	HYEAR	JAN GOPRICE .BHL	FEB GOPRICE .BHL	MAR GOPRICE .BHL	APR GOPRICE .BHL	MAY1 GOPRICE .BHL	MAY2 GOPRICE .BHL	JUN GOPRICE .BHL	JUL GOPRICE .BHL	AUG GOPRICE .BHL	SEP1 GOPRICE .BHL	SEP2 GOPRICE .BHL	OCT GOPRICE .BHL	NOV GOPRICE .BHL	DEC GOPRICE .BHL
		.BMONTH													
1992	H29	27	27	27	27	16.766	16.766	27	12.69	17.794	27	27	27	27	27
	H30	27	27	27	27	17.263	17.263	27	27	27	27	27	27	27	27
	H31	27	27	27	27	17.342	17.342	27	27	27	27	27	27	27	27
	H32	27	27	16.74	16.932	12.42	12.42	16.395	27	27	27	27	27	27	27
	H33	14.321	16.52	17.219	21.557	16.323	16.323	10.134	17.511	22.114	27	27	27	27	26.214
	H34	8.1759	8.1545	10.091	12.851	12.51	12.51	22.633	8.7613	16.836	22.178	22.178	17.582	17.333	13.26
	H35	16.286	16.178	17.643	27	16.879	16.879	17.184	25.272	26.396	27	27	27	23.713	26.102
	H36	22.495	22.505	26.531	17.84	12.126	12.126	21.084	16.351	21.678	27	27	27	27	27
	H37	27	27	27	27	16.937	16.937	23.683	21.054	25.738	27	27	27	27	27
	H38	16.322	16.565	16.697	17.096	13.22	13.22	15.264	27	27	27	27	27	27	27
	H39	22.897	27	24.614	21.57	14.056	14.056	18.917	17.626	27	27	27	27	27	27
	H40	22.988	27	17.492	19.792	16.664	16.664	24.722	17.05	24.165	27	27	27	27	27
	H41	27	27	26.548	27	17.199	17.199	27	22.957	26.885	27	27	27	27	27
	H42	16.098	16.818	25.593	23.838	16.972	16.972	17.559	27	27	27	27	26.953	24.995	16.635
	H43	15.361	12.531	16.218	13.358	16.172	16.172	13.419	16.763	22.708	27	27	27	27	27
	H44	27	26.612	27	27	17.163	17.163	27	10.965	17.638	27	27	27	27	27
	H45	27	27	27	27	16.758	16.758	16.891	27	27	27	27	27	27	27
	H46	15.084	14.555	16.08	16.269	10.532	10.532	16.206	27	27	27	27	27	27	27
	H47	14.138	10.977	15.368	17.075	11.695	11.695	16.63	16.725	23.005	27	27	27	22.353	16.852
	H48	11.985	11.897	16.652	17.245	10.532	10.532	7.63	17.316	24.422	26.561	26.561	16.705	17.338	17.711
	H49	17.504	15.869	16.433	16.622	10.532	10.532	16.294	9.846	16.988	22.816	22.816	25.303	23.916	27
	H50	16.032	10.285	12.407	16.295	14.391	14.391	7.63	24.695	27	27	27	27	27	27
	H51	9.1103	8.1545	10.091	12.957	9.671	9.671	15.205	8.4248	16.982	23.129	23.129	17.508	16.913	16.262
	H52	15.526	12.189	16.172	14.883	10.532	10.532	16.098	12.989	17.519	23.126	23.126	17.085	21.219	17.732
	H53	16.365	12.22	17.035	26.936	16.828	16.828	10.721	17.02	23.011	27	27	27	27	27
	H54	13.986	9.987	16.286	17.261	10.532	10.532	9.019	15.445	17.799	25.738	25.738	26.011	21.928	21.169
	H55	16.291	16.405	17.794	25.603	16.856	16.856	12.542	9.631	15.347	17.127	17.127	23.609	17.727	23.541
	H56	8.9456	11.103	12.662	12.28	7.63	7.63	7.63	12.694	18.758	27	27	22.249	17.318	16.428
	H57	16.563	12.925	14.906	17.44	10.532	10.532	10.134	10.689	17.595	24.614	24.614	22.36	23.524	18.743
	H58	16.882	9.798	16.571	17.507	10.532	10.532	14.595	16.989	27	27	27	27	27	27
	H59	9.2285	11.5	16.369	17.031	14.964	14.964	10.134	25.06	26.602	27	27	25.292	17.528	17.219
	H60	16.037	14.781	14.051	16.416	16.675	16.675	15.644	11.459	17.779	16.571	16.571	15.996	16.863	17.162
	H61	14.72	9.3108	14.692	17.737	14.584	14.584	10.134	16.877	22.07	25.792	25.792	27	21.614	27
	H62	16.505	16.128	17.077	16.885	16.64	16.64	16.49	16.978	24.729	27	27	27	27	27
	H63	16.426	9.81	18.123	17.896	16.52	16.52	17.217	17.703	18.599	27	27	23.46	17.482	17.329
	H64	16.058	16.214	17.448	22.87	16.379	16.379	9.3806	17.231	24.253	25.222	25.222	27	24.796	27
	H65	8.1759	8.1545	10.465	16.279	12.459	12.459	10.134	7.979	17.525	18.599	18.599	17.86	21.597	16.439
	H66	16.045	16.36	17.303	17.346	16.776	16.776	21.064	16.599	17.137	22.272	22.272	23.642	21.138	25.022
	H67	12.311	13.285	16.875	25.475	16.409	16.409	10.134	16.677	21.807	27	27	27	27	23.855
	H68	16.072	10.378	15.366	27	17.02	17.02	16.375	7.63	17.666	25.799	25.799	23.409	21.047	25.208
	H69	10.225	11.38	15.13	11.595	10.383	10.383	10.134	17.255	21.27	17.384	17.384	17.591	17.235	17.614
	H70	16.197	12.352	17.653	21.26	16.034	16.034	10.134	16.482	24.375	24.459	24.459	23.426	24.732	26.139
	H71	8.1759	8.1545	10.091	11.595	7.63	7.63	7.63	21.817	26.413	27	27	27	26.457	24.412
	H72	8.6843	8.1545	7.63	9.1354	7.63	7.63	7.63	7.63	16.906	22.076	22.076	24.624	17.814	21.604
	H73	17.333	24.499	22.799	27	16.674	16.674	27	7.63	16.162	21.034	21.034	24.044	25.367	17.656
	H74	8.1759	8.1545	7.63	7.562	7.63	7.63	7.63	27	27	27	27	27	24.658	16.904
	H75	14.045	13.192	16.242	25.475	13.72	13.72	9.4415	7.63	16.529	19.776	19.776	27	27	25.93
	H76	8.1759	8.1545	10.723	14.23	10.532	10.532	10.134	7.63	17.512	17.878	17.878	17.742	16.934	13.129
	H77	27	27	27	27	17.574	17.574	27	11.453	11.223	16.536	16.536	25.789	27	27
	H78	16.456	16.223	16.331	16.883	16.252	16.252	15.05	27	27	27	27	27	27	23.764
	H79	16.388	16.014	26.225	26.225	17.642	17.642	17.626	16.039	18.605	26.225	26.225	26.225	26.225	26.225
	H80	26.225	26.225	26.225	25.071	8.0039	8.0039	8.0039	20.56	26.225	26.225	26.225	26.225	26.225	26.225
	H81	26.225	23.183	26.225	25.596	18.253	18.253	8.0039	26.225	26.225	26.225	26.225	26.225	26.225	26.225

G

IPCo Power Supply Costs for 1993 Nor[illegible]zed Loads over 65 Water Year Conditions

Basecase (Actual FERC Sales)

HIGH WATER CONDITIONS	AVERAGE	1976	1956	1975	1943	1952	1965	1974	1972	1982	1986	1971	1983	1984
Thermal Generation (GWH)	3,415	2,633	3,770	3,802	4,493	4,859	3,861	3,156	2,748	3,792	2,187	2,872	2,550	3,675
Hydro Generation (GWH)	11,801	11,144	11,120	11,937	11,309	11,181	12,107	11,659	11,590	11,936	11,773	12,474	12,718	12,462
Total Purchases (GWH)	357	1,026	566	383	316	95	45	365	658	53	743	120	226	39
Total Surplus Sales (GWH)	1,654	906	1,558	2,199	2,205	2,186	2,050	1,297	1,119	1,932	736	1,558	1,532	2,224
Total Fuel Cost ($000)	$40,528	$32,819	$43,597	$43,996	$54,396	$58,654	$45,890	$38,907	$31,779	$45,117	$25,253	$33,210	$29,512	$43,728
Total Purchases ($000)	$3,242	$7,617	$5,682	$2,953	$3,318	$1,719	$625	$2,883	$5,242	$766	$7,619	$1,024	$2,308	$385
Total Surplus Sales ($000)	$30,928	$21,794	$26,511	$36,930	$43,956	$40,954	$37,534	$31,853	$18,426	$36,210	$13,173	$25,421	$27,081	$42,227
Net Power Supply Costs	$12,841	$18,642	$22,768	$10,019	$13,758	$19,419	$8,981	$9,937	$18,595	$9,673	$19,699	$8,813	$4,739	$1,886

MID HIGH WATER CONDITIONS	AVERAGE	1980	1985	1964	1938	1953	1928	1958	1950	1970	1946	1969	1957	1951
Thermal Generation (GWH)	4,954	5,128	5,555	4,770	5,245	4,926	6,470	5,413	4,073	5,174	5,028	4,558	4,943	3,123
Hydro Generation (GWH)	10,343	9,880	10,124	10,023	9,638	10,002	10,309	10,044	10,496	11,136	10,553	10,454	10,719	11,076
Total Purchases (GWH)	399	668	241	645	243	530	42	171	762	41	201	556	229	857
Total Surplus Sales (GWH)	1,801	1,826	2,013	1,538	1,278	1,609	2,916	1,761	1,482	2,502	1,862	1,629	1,939	1,054
Total Fuel Cost ($000)	$60,291	$68,045	$65,798	$56,178	$65,576	$58,393	$83,672	$66,327	$47,096	$62,283	$58,205	$54,013	$62,074	$36,123
Total Purchases ($000)	$4,421	$4,704	$4,957	$5,933	$3,125	$5,684	$855	$3,187	$6,471	$731	$3,587	$6,913	$3,128	$8,193
Total Surplus Sales ($000)	$36,542	$52,414	$38,123	$28,452	$27,958	$30,388	$73,009	$34,087	$24,905	$46,698	$31,848	$28,454	$41,575	$17,129
Net Power Supply Costs	$28,170	$20,335	$32,632	$33,659	$40,743	$33,689	$11,518	$35,427	$28,662	$16,316	$29,944	$32,472	$23,627	$27,187

MID WATER CONDITIONS	AVERAGE	1981	1960	1942	1962	1963	1967	1973	1945	1954	1948	1949	1947	1978
Thermal Generation (GWH)	5,395	6,245	5,270	5,610	5,226	5,418	5,048	6,216	6,038	4,166	4,779	5,353	4,850	5,919
Hydro Generation (GWH)	9,115	8,336	8,465	8,256	8,696	9,008	9,226	9,719	9,693	9,154	9,488	9,541	9,560	9,351
Total Purchases (GWH)	586	488	689	780	598	352	753	252	347	1,532	730	308	561	229
Total Surplus Sales (GWH)	1,225	1,220	575	798	615	930	1,176	2,338	2,230	944	1,148	1,239	1,061	1,650
Total Fuel Cost ($000)	$65,874	$80,535	$62,321	$68,381	$60,476	$65,194	$60,212	$77,089	$77,428	$49,415	$57,708	$66,849	$56,131	$74,624
Total Purchases ($000)	$7,804	$5,147	$11,653	$11,925	$10,756	$6,456	$8,126	$4,526	$4,467	$14,135	$7,905	$5,478	$7,426	$3,451
Total Surplus Sales ($000)	$26,329	$31,118	$10,345	$18,278	$9,321	$17,991	$26,551	$53,394	$54,984	$16,496	$21,940	$26,532	$18,001	$37,325
Net Power Supply Costs	$47,349	$54,564	$63,629	$62,028	$61,911	$53,659	$41,787	$28,221	$26,911	$47,054	$43,673	$45,795	$45,556	$40,750

MID LOW WATER CONDITIONS	AVERAGE	1933	1929	1939	1944	1955	1979	1932	1941	1936	1968	1989	1959	1940
Thermal Generation (GWH)	5,726	4,764	6,664	6,193	6,734	5,235	4,370	5,356	6,355	6,064	5,259	6,344	4,558	6,536
Hydro Generation (GWH)	8,010	7,251	7,959	7,851	7,858	8,052	8,331	7,722	7,877	7,770	8,711	8,368	8,345	8,031
Total Purchases (GWH)	881	1,948	277	617	311	1,306	1,922	1,013	272	536	782	717	1,407	343
Total Surplus Sales (GWH)	764	115	1,051	813	1,055	744	775	243	655	521	904	1,531	461	1,061
Total Fuel Cost ($000)	$71,227	$55,111	$86,100	$77,585	$87,455	$63,255	$54,700	$65,618	$79,880	$77,553	$61,447	$79,900	$52,706	$84,643
Total Purchases ($000)	$11,720	$27,194	$5,390	$11,384	$6,129	$14,352	$12,526	$15,981	$5,274	$8,664	$9,850	$13,407	$15,606	$6,598
Total Surplus Sales ($000)	$16,971	$1,898	$27,440	$19,128	$27,313	$16,424	$17,468	$4,760	$15,847	$10,580	$15,127	$32,962	$7,778	$23,896
Net Power Supply Costs	$65,976	$80,407	$64,050	$69,841	$66,271	$61,183	$49,758	$76,839	$69,307	$75,637	$56,170	$60,345	$60,534	$67,345

LOW WATER CONDITIONS	AVERAGE	1992	1931	1991	1934	1988	1977	1990	1935	1961	1930	1937	1987	1966
Thermal Generation (GWH)	5,892	5,560	6,747	4,807	5,619	5,760	6,778	5,946	6,174	5,533	6,673	6,678	4,669	5,655
Hydro Generation (GWH)	6,477	5,170	5,976	5,932	6,017	6,154	6,485	6,370	6,124	6,615	7,143	6,830	7,640	7,744
Total Purchases (GWH)	1,660	3,119	1,209	3,111	2,278	1,941	1,075	1,589	1,597	1,780	599	741	1,717	819
Total Surplus Sales (GWH)	180	0	83	1	65	8	488	56	46	79	566	401	178	369
Total Fuel Cost ($000)	$72,949	$66,216	$87,628	$56,775	$71,857	$66,713	$88,275	$72,919	$75,616	$69,213	$86,147	$86,189	$54,022	$66,763
Total Purchases ($000)	$28,559	$58,732	$24,417	$46,795	$32,318	$40,527	$21,263	$27,282	$30,041	$22,780	$11,566	$14,689	$25,224	$15,636
Total Surplus Sales ($000)	$4,411	$5	$2,280	$18	$1,797	$123	$13,206	$1,523	$1,242	$2,152	$14,845	$10,335	$2,947	$6,870
Net Power Supply Costs	$97,097	$124,943	$109,765	$103,552	$102,378	$107,117	$96,332	$98,678	$104,415	$89,841	$82,868	$90,543	$76,299	$75,529

AVG. 65 YEAR WATER CONDITIONS	
Total Fuel Costs ($000) (+)	$62,174
Total Purchases ($000) (+)	$11,149
Total Surplus Sales ($000) (-)	$23,036
NET POWER SUPPLY COSTS	$50,287

GENERATION BY THERMAL PLANT (MWH)		
Bridger	4,437,300	* 11.5097 = 51,072,032
Valmy	355,200	* 12.5897 = 3,575,470
Boardman	284,000	* 21.1895 = 7,526,498
Total	5,076,500	62,174,000

1,124.8

Resource Planning, 4/29/94

IDAHO POWER COMPANY
SUPPORT FOR ALLOCATED COST OF SERVICE STUDY
WITH 13 MONTH AVERAGE PLANT/ACTUAL + SYSTEM & IDAHO ADJUSTMENTS
TWELVE MONTHS ENDED DECEMBER 31, 1993

DESCRIPTION	TOTAL WITH ADJUSTMENTS	IPUC ORDERED ADJUSTMENTS PER 25880	TOTAL W/ORDERED ADJUSTMENTS
**** * * SUMMARY OF RESULTS * * ****			
DEVELOPMENT OF RATE BASE COMPONENTS			
ELECTRIC PLANT IN SERVICE	2,322,288,476	(5,722,929)	2,316,565,547
LESS: ACCUM PROVISION FOR DEPRECIATI	706,862,696	(553,111)	706,309,585
AMORT OF OTHER UTILITY PLANT	2,399,619	0	2,399,619
NET ELECTRIC PLANT IN SERVICE	1,613,026,161	(5,169,818)	1,607,856,343
LESS: CUSTOMER ADV FOR CONSTRUCTIOI	17,353,548	0	17,353,548
LESS: ACCUM DEFERRED INCOME TAXES	210,366,745	(1,067)	210,365,678
ADD : PLT HLD FOR FUTURE+ACQUIS ADJ	(422,264)	0	(422,264)
ADD : WORKING CAPITAL	47,903,044	(591,905)	47,311,139
ADD : CONSERVATION+OTHER DFRD PROG	27,548,345	3,958,524	31,506,869
ADD : SUBSIDIARY RATE BASE	(1,781,066)	0	(1,781,066)
TOTAL COMBINED RATE BASE	1,458,553,927	(1,802,132)	1,456,751,795
RATE OF RETURN UNDER PRESENT RATES			
OPERATING REVENUES			
SALES REVENUES	493,882,395	22,571,379	516,453,774
OTHER OPERATING REVENUES	26,495,966	0	26,495,966
TOTAL OPERATING REVENUES	520,378,361	22,571,379	542,949,740
OPERATING EXPENSES			
OPERATION & MAINTENANCE EXPENSES	274,663,600	(2,574,156)	272,089,444
DEPRECIATION EXPENSE	64,657,937	(1,106,216)	63,551,721
AMORTIZATION OF LIMITED TERM PLANT	(2,962,493)	0	(2,962,493)
TAXES OTHER THAN INCOME	23,386,177	(57,367)	23,328,810
PROVISION FOR DEFERRED INCOME TAXES	9,947,109	2,134	9,949,243
INVESTMENT TAX CREDIT ADJUSTMENT	(590,924)	0	(590,924)
FEDERAL INCOME TAXES	32,449,058	8,254,910	40,703,969
STATE INCOME TAXES	3,840,791	1,595,636	5,436,427
TOTAL OPERATING EXPENSES	405,391,255	6,114,941	411,506,196
OPERATING INCOME	114,987,106		131,443,544
ADD: IERCO OPERATING INCOME	6,265,967		6,265,967
CONSOLIDATED OPERATING INCOME	121,253,073		137,709,511

IDAHO POWER COMPANY
SUPPORT FOR ALLOCATED COST OF SERVICE STUDY
WITH 13 MONTH AVERAGE PLANT/ACTUAL + SYSTEM & IDAHO ADJUSTMENTS
TWELVE MONTHS ENDED DECEMBER 31, 1993

DESCRIPTION	TOTAL WITH ADJUSTMENTS	IPUC ORDERED ADJUSTMENTS PER 25880	TOTAL W/ORDERED ADJUSTMENTS
** * * SUMMARY OF RESULTS * * **			
RATE OF RETURN UNDER PRESENT RATES			
TOTAL COMBINED RATE BASE	1,458,553,927	(1,802,132)	1,456,751,795
SALES REVENUES	493,882,395	22,571,379	516,453,774
OTHER OPERATING REVENUES	26,495,966	0	26,495,966
TOTAL OPERATING REVENUES	520,378,361	22,571,379	542,949,740
OPERATING EXPENSES			
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TOTAL OPERATING EXPENSES	405,391,255	6,114,941	411,506,196
OPERATING INCOME	114,987,106	16,456,438	131,443,544
ADD: IERCO OPERATING INCOME	6,265,967	0	6,265,967
CONSOLIDATED OPERATING INCOME	121,253,073	16,456,438	137,709,511
NET POWER SUPPLY EXPENSES:			
447-OPPORTUNITY SALES	24,523,000	(1,000)	24,522,000
501-FUEL	61,487,000	9,000	61,496,000
555-PURCHASED POWER	11,075,000	17,000	11,092,000
NET POWER SUPPLY EXPENSES W/O CSPP	48,039,000	27,000	48,066,000
555-CSPP	34,114,160	0	34,114,160
NET POWER SUPPLY EXPENSES	82,153,160	27,000	82,180,160

Idaho Power Company
Cogeneration and Small Power Production
Rate Case Information

Assumptions:

- No Contract Expirations
- Non- Firm contracts estimated Based upon AURORA model
  Immaterial impact due to small size of the current projects
- Estimated Generation based on rolling 5 year average of actual output, or less then 5 years if the project does not have 5 years of history.
- New Contracts
  Tiber signed / approved contract April 2003, online in 2004

2003	Mwh	Adjusted Mwh	Average Mw	Energy Amount	Capacity Amount	Adjusted Amount
Jan	38,611	38,611	52	$1,933,875	$234,594	$2,168,469
Feb	36,088	36,088	54	$1,842,261	$234,594	$2,076,855
Mar	50,452	50,452	68	$2,058,398	$234,594	$2,292,992
Apr	62,843	62,843	87	$2,578,211	$234,594	$2,812,805
May	90,588	90,588	122	$3,758,612	$234,594	$3,993,206
Jun	92,643	92,643	129	$5,993,692	$234,594	$6,228,286
Jul	97,660	97,660	131	$6,078,534	$234,594	$6,313,128
Aug	93,978	93,978	126	$5,950,510	$234,594	$6,185,104
Sep	79,460	79,460	110	$4,639,273	$234,594	$4,873,867
Oct	64,455	64,455	87	$3,354,016	$234,594	$3,588,610
Nov	39,365	39,365	55	$1,979,642	$234,594	$2,214,236
Dec	37,492	37,492	50	$1,964,177	$234,594	$2,198,771
	783,635	783,635	89	$42,131,201	$2,815,124	$44,946,325

2004	Mwh	Additional Project output Tiber	Adjusted Mwh	Average Mw	Energy Amount	Capacity Amount	Additional Project Expense Tiber	Adjusted Amount
Jan	38,611	0	38,611	52	$1,933,875	$234,594	$0	$2,168,469
Feb	36,088	0	36,088	54	$1,842,261	$234,594	$0	$2,076,855
Mar	50,452	0	50,452	68	$2,058,398	$234,594	$0	$2,292,992
Apr	62,843	0	62,843	87	$2,578,211	$234,594	$0	$2,812,805
May	90,588	4,910	95,498	128	$3,758,612	$234,594	$150,995	$4,144,201
Jun	92,643	4,752	97,395	135	$5,993,692	$234,594	$238,550	$6,466,836
Jul	97,660	4,910	102,570	138	$6,078,534	$234,594	$246,502	$6,559,630
Aug	93,978	4,910	98,888	133	$5,950,510	$234,594	$205,402	$6,390,506
Sep	79,460	4,752	84,212	117	$4,639,273	$234,594	$198,776	$5,072,643
Oct	64,455	4,910	69,365	93	$3,354,016	$234,594	$205,402	$3,794,012
Nov	39,365	0	39,365	55	$1,979,642	$234,594	$0	$2,214,236
Dec	37,492	0	37,492	50	$1,964,177	$234,594	$0	$2,198,771
	783,635	29,144	812,779	93	$42,131,201	$2,815,124	$1,245,627	- $46,191,952 (2)

44,946,325 (1)

Contract Administration
Randy Allphin CSPP Rate Case e-mail 7-31-03
7/31/2003

Idaho Power Company
1993 Normalized Operating Profile for NUG Projects

Annualized for Projects On-line as of 12/31/1993

SUMMARY OF RESULTS:

	Annual
Normalized Generation (MWh)	574,710
Fixed Energy Payments ($000)	26,192.12
Variable Energy Payments ($000)	5,048.82
Total	31,240.94
Capacity Payments ($000)	2,873.22
Total Payments	34,114.16

OBS.	YEAR	RUNOFF	LN(RUNOFF)		NPSC
1	1928	6,750,571	15.72514	$	6,241,000
2	1929	3,516,226	15.07290	$	60,671,000
3	1930	2,730,186	14.81988	$	82,320,000
4	1931	2,252,206	14.62742	$	106,526,000
5	1932	4,693,051	15.36159	$	77,389,000
6	1933	4,072,824	15.21985	$	80,101,000
7	1934	2,284,655	14.64173	$	101,827,000
8	1935	3,091,888	14.94429	$	103,686,000
9	1936	4,976,479	15.42023	$	75,854,000
10	1937	3,027,697	14.92331	$	89,454,000
11	1938	6,995,998	15.76085	$	38,288,000
12	1939	3,340,542	15.02164	$	69,283,000
13	1940	4,217,857	15.25484	$	67,478,000
14	1941	3,812,543	15.15381	$	67,679,000
15	1942	4,777,672	15.37946	$	61,084,000
16	1943	9,358,641	16.05181	$	10,512,000
17	1944	3,363,907	15.02861	$	63,258,000
18	1945	5,107,273	15.44618	$	22,367,000
19	1946	6,864,248	15.74184	$	27,110,000
20	1947	5,145,808	15.45369	$	42,921,000
21	1948	5,701,715	15.55628	$	40,564,000
22	1949	5,284,463	15.48028	$	41,482,000
23	1950	6,666,559	15.71261	$	24,971,000
24	1951	6,887,280	15.74519	$	24,297,000
25	1952	10,645,884	16.18068	$	16,180,000
26	1953	6,266,915	15.65079	$	30,786,000
27	1954	5,375,988	15.49745	$	44,669,000
28	1955	3,663,733	15.11399	$	58,885,000
29	1956	7,679,163	15.85402	$	19,935,000
30	1957	8,142,974	15.91267	$	19,918,000
31	1958	7,347,318	15.80985	$	33,513,000
32	1959	3,990,168	15.19934	$	58,383,000
33	1960	4,207,224	15.25231	$	63,415,000
34	1961	2,917,876	14.88637	$	88,633,000
35	1962	4,838,084	15.39203	$	59,122,000
36	1963	4,901,728	15.40510	$	51,038,000
37	1964	6,173,173	15.63572	$	30,226,000
38	1965	8,808,795	15.99126	$	5,756,000
39	1966	3,085,249	14.94214	$	71,438,000
40	1967	5,295,808	15.48243	$	37,363,000
41	1968	3,178,096	14.97179	$	53,367,000
42	1969	6,851,881	15.74003	$	29,438,000
43	1970	6,400,738	15.67192	$	12,586,000
44	1971	11,081,252	16.22077	$	5,243,000
45	1972	8,051,202	15.90133	$	15,647,000
46	1973	3,795,548	15.14934	$	22,988,000
47	1974	9,837,354	16.10170	$	6,450,000
48	1975	8,899,862	16.00155	$	6,411,000
49	1976	7,742,737	15.86227	$	15,129,000
50	1977	2,036,372	14.52668	$	95,568,000
51	1978	5,885,210	15.58795	$	46,375,000
52	1979	3,662,618	15.11369	$	47,708,000
53	1980	6,180,456	15.63690	$	16,932,000
54	1981	3,880,244	15.17141	$	52,133,000
55	1982	9,629,565	16.08035	$	5,952,000
56	1983	10,537,116	16.17041	$	2,348,000
57	1984	12,447,717	16.33705	$	2,971,000
58	1985	5,467,688	15.51437	$	28,551,000
59	1986	8,603,101	15.96763	$	17,008,000
60	1987	2,657,135	14.79276	$	76,325,000
61	1988	2,461,731	14.71638	$	104,676,000
62	1989	4,426,855	15.30320	$	58,475,000
63	1990	2,853,052	14.86390	$	98,643,000
64	1991	2,622,549	14.77966	$	101,823,000
65	1992	1,798,651	14.40255	$	125,185,000
			AVERAGE	$	48,039,308

RESIDUAL OUTPUT

Observation	Predicted Y
1	28,777,582.78
2	70,023,119.69
3	86,023,216.51
4	98,193,754.89
5	51,766,976.26
6	60,730,566.58
7	97,289,161.20
8	78,155,781.45
9	48,058,785.13
10	79,482,468.23
11	26,519,320.02
12	73,264,336.78
13	58,517,873.22
14	64,906,741.28
15	50,636,902.28
16	8,119,808.02
17	72,823,574.16
18	46,418,231.91
19	27,721,565.26
20	45,942,893.05
21	39,455,764.68
22	44,261,513.24
23	29,569,514.38
24	27,509,738.22
25	(29,731.86294)
26	33,478,793.54
27	43,175,650.00
28	67,424,444.03
29	20,627,397.13
30	16,918,876.92
31	23,420,898.63
32	62,027,129.72
33	58,677,491.36
34	81,818,836.92
35	49,842,307.34
36	49,015,863.44
37	34,431,851.43
38	11,948,764.14
39	78,291,711.64
40	44,125,898.10
41	76,416,744.51
42	27,835,598.96
43	32,142,656.32
44	(2,564,349.539)
45	17,635,608.09
46	65,189,259.52
47	4,965,130.655
48	11,298,365.63
49	20,106,029.07
50	104,564,260.80
51	37,452,710.71
52	67,443,692.11
53	34,357,289.68
54	63,793,670.22
55	6,315,156.637
56	619,676.3765
57	(9,917,693.726)
58	42,106,094.18
59	13,442,920.55
60	87,738,280.12
61	92,568,546.41
62	55,459,598.19
63	83,239,557.72
64	88,566,792.34
65	112,414,032.80

SUMMARY OUTPUT	
Regression Statistics	
Multiple R.	0.920131533
R. Square	0.846642039
Adjusted R.	0.844207785
Standard Err.	12,686,495.39
Observation	65
ANOVA	
	df
Regression	1
Residual	63
Total	64
	Coefficients
Intercept	1,023,185,930
X Variable 1	(63,236,861.2)

Exhibit No. 1
Case No. IPC-E-03-05
G. Said, IPCo

1 Q. What is the projection of PCA expenses for
2 the period April 1, 2003 through March 31, 2004?
3 A. The projection of PCA expenses for the period
4 April 1, 2003 through March 31, 2004 is $111,209,453. This
5 amount is $38,130,325 more than the $73,079,128 normalized
6 level of PCA expenses.
7 Q. What is the basis for the projection of April
8 1, 2003 through March 31, 2004 PCA expenses?
9 A. The Commission, in Order No. 24806 issued in
10 Case No. IPC-E-92-25, the proceeding which created the PCA,
11 adopted a natural logarithmic function of projected April
12 through July Brownlee runoff to compute the projection of
13 April through March PCA expenses. The derivation of the
14 current equation is contained on Exhibit No. 1 ("Current
15 Regression"). Qualifying facilities ("QF") purchase expense
16 and normalized Astaris/FMC second block energy revenue are
17 constants, which have been included in the projection
18 computation. The current equation is:
19 PCA expense = $1,023,185,930
20 - $63,236,861*(ln(runoff))
21 + $47,574,344
22 - $9,074,032
23 In this formula, the $47,574,344 is the
24 constant for QF purchase expense, established in Order No.
25 27997. The $9,074,032 is the normalized Astaris/FMC second