# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology

#### **Forecast Summary**

	2002	2003	2004	2005	2006	2007	2008
Contract System Cost	\$354,058,179	\$376,101,987	\$402,527,009	\$380,226,386	\$410,317,978	\$445,389,616	\$489,630,820
NLSL Resource Costs	0	1,308,185	816,232	1,747,441	3,398,696	3,514,424	3,640,277
Revised Contract System Cost	354,058,179	374,793,803	401,710,777	378,478,945	406,919,282	441,875,191	485,990,543
Contract System Load (MWH)	7,977,930	8,443,224	8,795,447	8,969,808	9,226,352	9,392,012	9,572,110
NLSL Load (MWH)		29,368	17,835	37,455	61,449	61,449	61,449
Revised Contract System Load (MWH)	7,977,930	8,413,856	8,777,612	8,932,353	9,164,903	9,330,563	9,510,660
Lookback ASC (\$/MWH)	\$44.38	\$44.54	\$45.77	\$42.39	\$44.47	\$47.42	\$51.15
NLSL Resource Cost	\$36.70	\$44.29	\$42.96	\$46.65	\$55.31	\$57.19	\$59.24
Revised Lookback ASC (\$/MWH)	\$44.38	\$44.54	\$45.77	\$42.37	\$44.40	\$47.36	\$51.10
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# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology

**Forecast Summary** 

	2002	2003	2004	2005	2006	2007	2008
Contract System Cost	\$604,574,008	\$511,428,346	\$475,516,241	\$464,184,105	\$415,047,311	\$483,960,842	\$527,772,214
NLSL Resource Costs	13,691,227	14,350,370	14,388,384	14,967,131	17,948,434	18,208,989	18,688,093
Revised Contract System Cost	590,882,782	497,077,976	461,127,857	449,216,975	397,098,877	465,751,853	509,084,120
Contract System Load (MWH)	13,538,771	13,629,033	13,901,568	13,953,253	14,636,280	15,010,497	15,347,626
NLSL Load (MWH)	306,600	332,880	367,920	367,920	385,440	385,440	385,440
Revised Contract System Load (MWH)	13,232,171	13,296,153	13,533,648	13,585,333	14,250,840	14,625,057	14,962,186
Lookback ASC (\$/MWH)	\$44.66	\$37.52	\$34.21	\$33.27	\$28.36	\$32.24	\$34.39
NLSL Resource Cost	\$38.01	\$43.11	\$39.11	\$40.68	\$46.57	\$47.24	\$48.49
Revised Lookback ASC (\$/MWH)	\$44.66	\$37.39	\$34.07	\$33.07	\$27.86	\$31.85	\$34.02
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# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology

**Forecast Summary** 

	2002	2003	2004	2005	2006	2007	2008
Contract System Cost	\$790,596,871	\$798,711,507	\$848,802,064	\$884,806,392	\$923,135,779	\$909,036,951	\$958,039,879
NLSL Resource Costs	0	0	0	5,093,022	14,046,866	13,866,342	14,435,880
Revised Contract System Cost	790,596,871	798,711,507	848,802,064	879,713,370	909,088,914	895,170,610	943,603,998
Contract System Load (MWH)	21,148,443	21,684,793	21,479,607	21,706,069	22,480,119	22,424,981	22,701,406
NLSL Load (MWH)				124,942	342,068	342,068	342,068
Revised Contract System Load (MWH)	21,148,443	21,684,793	21,479,607	21,581,127	22,138,051	22,082,913	22,359,338
Lookback ASC (\$/MWH)	\$37.38	\$36.83	\$39.52	\$40.76	\$41.06	\$40.54	\$42.20
NLSL Resource Cost	\$34.27	\$37.50	\$38.04	\$37.11	\$39.54	\$38.94	\$39.68
Revised Lookback ASC (\$/MWH)	\$37.38	\$36.83	\$39.52	\$40.76	\$41.06	\$40.54	\$42.20

# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology

**Forecast Summary** 

	2002	2003	2004	2005	2006	2007	2008
Contract System Cost	\$1,035,524,114	\$912,436,247	\$826,240,595	\$865,345,580	\$962,242,481	\$953,881,670	\$1,078,682,877
NLSL Resource Costs	6,531,637	10,507,392	11,432,359	14,122,193	16,356,700	15,380,462	17,203,506
Revised Contract System Cost	1,028,992,478	901,928,854	814,808,236	851,223,386	945,885,781	938,501,208	1,061,479,371
Contract System Load (MWH)	19,710,478	19,347,147	18,652,345	18,417,049	19,354,153	20,403,772	20,628,239
NLSL Load (MWH)	124,325	222,797	258,085	300,561	328,992	328,992	328,992
Revised Contract System Load (MWH)	19,586,153	19,124,350	18,394,260	18,116,488	19,025,161	20,074,780	20,299,247
Lookback ASC (\$/MWH)	\$52.54	\$47.16	\$44.30	\$46.99	\$49.72	\$46.75	\$52.29
NLSL Resource Cost	\$47.12	\$42.26	\$40.29	\$40.57	\$44.98	\$46.00	\$46.92
	·	·	·	·	·	·	·
Revised Lookback ASC (\$/MWH)	\$52.54	<b>\$47.16</b>	\$44.30	\$46.99	\$49.72	\$46.75	\$52.29
Revised Lookback ASC (\$\pi\text{IVIVII})	φυ2.υ-	φ47.10	φ-150	φ <b>-10.</b> 22	φ-1/-1/2	φ+0.75	φ32.27

# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology

**Forecast Summary** 

	2002	2003	2004	2005	2006	2007	2008
Contract System Cost	\$971,340,638	\$934,191,933	\$970,450,301	\$1,079,045,455	\$1,225,103,922	\$1,148,946,127	\$1,270,929,794
NLSL Resource Costs	0	0	0	0	0	0	0
Revised Contract System Cost	971,340,638	934,191,933	970,450,301	1,079,045,455	1,225,103,922	1,148,946,127	1,270,929,794
Contract System Load (MWH)	20,216,515	20,571,219	20,870,630	21,488,835	22,146,110	22,283,230	22,563,050
NLSL Load (MWH)	0	0	0	0	0	0	0
Revised Contract System Load (MWH)	20,216,515	20,571,219	20,870,630	21,488,835	22,146,110	22,283,230	22,563,050
Lookback ASC (\$/MWH)	\$48.05	\$45.41	\$46.50	\$50.21	\$55.32	\$51.56	\$56.33
NLSL Resource Cost	\$26.85	\$28.48	\$24.92	\$24.47	\$26.12	\$27.33	\$27.22
Revised Lookback ASC (\$/MWH)	\$48.05	\$45.41	\$46.50	\$50.21	\$55.32	\$51.56	\$56.33
Meviseu Lookback 119€ (ψ/1111111)	Ψ-10.02	Ψ15.11	ψ <b>40.50</b>	φ50.21	ΨΟΟ.ΟΔ	ψ51.50	ψ50.55

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2002

		Kettle Falls	46,0
	2002	Colstrip	233,4
		*	
Contract System Cost	\$354,058,179	Coyote Spri	ngs 2
Contract System Load (MWH)	7,977,930	Other There	nal 259,
Lookback ASC (\$/MWH)	<u>\$44.38</u>	Hydro	879,3
		Total Capac	ity 1,418,
Production A&G Expense	\$17,321,619	Allocate on Total Capacity Steam Capa	city 279,
WA. Production State Taxes	\$10,619,471	15% to Kettle Falls	
Montana Production State Tax	\$4,827,124	50% to Colstrip	
Production Oregon State Taxes		Direct to Coyote Springs 2	
Accum. Depreciation - Steam	\$188,943,461	Allocate on Steam Capacity	
Accum. Depreciation - Othr Prod.	\$11,251,128	None to Coyote - In service year	
Annual Depreciation - Steam	\$11,318,227	Allocate on Steam Capacity	
Annual Depreciation - Othr. Prod.	\$1,564,686	2003-2002	
Fuel Stock (Account 151)	\$3,261,065	Allocate on Steam Capacity	
Plant Materials & Supplies	\$3,607,873	Allocate on Total Capacity	
General Plant	\$4,688,571	Allocate on Total Capacity	

	Kettle Falls	Colstrip 3 & 4	Coyote Springs 2	Long-Term	Total
Year in Service	1983	1984/1986	2003	<b>Purchased Power</b>	
Fuel	Gas/Wood	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	46,000	233,400			279,400
Energy (kWh)	261,425,000	1,397,105,000		438,474,000	2,097,004,000
Eastern Intertie Losses @ 3%		41,913,150			41,913,150
BPA Network Losses @ 1.9%		25,748,645			25,748,645
Avista Losses @ 3%	7,842,750	39,883,296			47,726,046
<b>Total Losses</b>	7,842,750	107,545,091			115,387,841
Energy Delivered	253,582,250	1,289,559,909			1,981,616,159
Gross Plant in Service	\$90,498,355	\$276,487,424			\$366,985,779
Accumulated Depreciation	(\$31,107,370)	(\$157,836,091)			(\$188,943,461)
Net Plant In Service	\$59,390,985	\$118,651,333			\$178,042,318
Fuel Stock	\$536,897	\$2,724,168			\$3,261,065
Plant Materials & Supplies	\$117,001	\$593,652			\$710,653
General Plant	\$152,047	\$771,474			\$923,521
Total "Rate Base"	\$60,196,930	\$122,740,627			\$182,937,557
Weighted cost of Debt @ 8.43%	\$3,665,993	\$7,474,904			\$11,140,897
<b>Annual Depreciation</b>	\$257,608	\$9,454,811			\$9,712,419
O&M Including Fuel	\$9,399,701	\$15,943,019			\$25,342,720
Allocated A&G	\$561,728	\$2,850,160			\$3,411,888
State Taxes	\$1,592,921	\$2,413,562			\$4,006,483
Fully Allocated Cost (\$)	\$15,477,950	\$38,136,456		\$10,801,743	\$64,416,149
Fully Allocated Cost (\$/MWh)	\$59.21	\$27.30		\$24.63	\$32.51

Average Cost of Post-1979 Base Load Resources ASC Transmission \$32.51 \$4.20

2002 cost of serving NLSLs under Footnote (f)

\$36.70

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2003

			Kettle Falls	50,700
	2003		Colstrip	233,400
Contract System Cost	\$376,101,987		Coyote Springs	143,500
Contract System Load (MWH)	8,443,224		Other Thermal	259,770
Lookback ASC (\$/MWH)	<u>\$44.54</u>		Hydro	879,300
			<b>Total Capacity</b>	1,566,670
Production A&G Expense	\$18,609,502	Allocate on Total Capacity	Steam Capacity	284,100
WA. Production State Taxes	\$3,900,303	15% to Kettle Falls		
Montana Production State Tax	\$6,054,222	50% to Colstrip		
Production Oregon State Taxes	\$1,137,649	Direct to Coyote Springs 2		
Accum. Depreciation - Steam	\$199,658,428	Allocate on Steam Capacity		
Accum. Depreciation - Othr Prod.	\$11,318,227	None to Coyote - In service	year	
Annual Depreciation - Steam	\$11,435,683	Allocate on Steam Capacity		
Annual Depreciation - Othr. Prod.	\$4,462,767	2003-2002		
Fuel Stock (Account 151)	\$2,395,349	Allocate on Steam Capacity		
Plant Materials & Supplies	\$4,315,041	Allocate on Total Capacity		
General Plant	\$5,344,928	Allocate on Total Capacity		

	Kettle Falls	Colstrip 3 & 4	<b>Coyote Springs 2</b>	Long-Term	Total
Year in Service	1983	1984/1986	2003	<b>Purchased Power</b>	
Fuel	Gas/Wood	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	50,700	233,400	140,000		424,100
Energy (kWh)	366,204,000	1,593,135,000	396,591,000	405,306,000	2,355,930,000
Eastern Intertie Losses @ 3%		47,794,050			47,794,050
<b>BPA Network Losses @ 1.9%</b>		29,361,478	7,535,229		36,896,707
Avista Losses @ 3%	10,986,120	45,479,384	11,671,673		68,137,177
<b>Total Losses</b>	10,986,120	122,634,912	19,206,902		152,827,934
<b>Energy Delivered</b>	355,217,880	1,470,500,088			2,203,102,066
<b>Gross Plant in Service</b>	\$92,544,988	\$278,889,295	\$104,528,334		\$475,962,617
Accumulated Depreciation	(\$35,630,702)	(\$164,027,726)	\$0		(\$199,658,428)
<b>Net Plant In Service</b>	\$56,914,286	\$114,861,569	\$52,264,167		\$224,040,022
Fuel Stock	\$427,470	\$1,967,879			\$2,395,349
Plant Materials & Supplies	\$139,642	\$642,848	\$385,599		\$1,168,088
<b>General Plant</b>	\$172,971	\$796,279	\$477,631		\$1,446,880
Total "Rate Base"	\$57,654,369	\$118,268,574	\$53,127,396		\$229,050,340
Weighted cost of Debt @ 7.38%	\$4,254,892	\$8,728,221	\$3,920,802		\$16,903,915
<b>Annual Depreciation</b>	\$796,418	\$3,666,349	\$3,408,742		\$7,871,509
O&M Including Fuel	\$10,124,266	\$17,738,894	\$17,004,820		\$44,867,980
Allocated A&G	\$602,234	\$2,772,414	\$1,662,973		\$5,037,621
State Taxes	\$585,045	\$3,027,111	\$1,137,649		\$4,749,805
Fully Allocated Cost (\$)	\$16,362,856	\$35,932,989	\$27,134,986	\$10,750,657	\$90,181,487
Fully Allocated Cost (\$/MWh)	\$44.68	\$22.55	\$68.42	\$26.52	\$40.93

Average Cost of Post-1979 Base Load Resources ASC Transmission \$40.93 \$3.36

2003 cost of serving NLSLs under Footnote (f)

<u>\$44.2</u>

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2004

			Kettle Falls	50,700
	2004		Colstrip	233,400
Contract System Cost	\$402,527,009		<b>Coyote Springs</b>	143,500
Contract System Load (MWH)	8,795,447		Other Thermal	259,770
Lookback ASC (\$/MWH)	<u>\$45.77</u>		Hydro	879,300
			<b>Total Capacity</b>	1,566,670
Production A&G Expense	\$19,699,628	Allocate on Total Capacity	Steam Capacity	284,100
WA. Production State Taxes	\$3,918,455	15% to Kettle Falls		
Montana Production State Tax	\$6,947,411	50% to Colstrip		
Production Oregon State Taxes	\$555,448	Direct to Coyote Springs 2		
Accum. Depreciation - Steam	\$202,093,155	Allocate on Steam Capacity		
Accum. Depreciation - Othr Prod.	\$21,901,274	2004 - 2003-\$100,000		
Annual Depreciation - Steam	\$11,437,770	Allocate on Steam Capacity		
Annual Depreciation - Othr. Prod.	\$6,466,711	2004-2002		
Fuel Stock (Account 151)	\$4,049,604	Allocate on Steam Capacity		
Plant Materials & Supplies	\$4,344,030	Allocate on Total Capacity		
General Plant	\$5,821,734	Allocate on Total Capacity		
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	Kettle Falls	Colstrip 3 & 4	<b>Coyote Springs 2</b>	Long-Term	Total
Year in Service	1983	1984/1986	2003	Purchased Power	
Fuel	Gas/Wood	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	50,700	259,770	143,500		453,970
Energy (kWh)	365,753,000	1,604,774,000	407,113,000	438,391,000	2,816,031,000
Eastern Intertie Losses @ 3%		48,143,220			48,143,220
<b>BPA Network Losses @ 1.9%</b>		29,575,985	7,735,147		37,311,132
Avista Losses @ 3%	10,972,590	45,811,644	11,981,336		68,765,569
<b>Total Losses</b>	10,972,590	123,530,849	19,716,483		154,219,921
<b>Energy Delivered</b>	354,780,410	1,481,243,151			2,661,811,079
<b>Gross Plant in Service</b>	\$92,297,193	\$279,143,249	\$104,354,815		\$475,795,257
Accumulated Depreciation	(\$36,065,199)	(\$184,786,128)	(\$10,483,047)		(\$231,334,373)
<b>Net Plant In Service</b>	\$56,231,994	\$94,357,121	\$93,871,768		\$244,460,884
Fuel Stock	\$722,685	\$3,702,801			\$4,425,486
Plant Materials & Supplies	\$140,580	\$720,285	\$397,894		\$1,258,759
<b>General Plant</b>	\$188,401	\$965,303	\$533,245		\$1,686,949
Total "Rate Base"	\$57,283,660	\$99,745,510	\$94,802,907		\$251,832,077
Weighted cost of Debt @ 6.99%	\$4,004,128	\$6,972,211	\$6,626,723		\$17,603,062
<b>Annual Depreciation</b>	\$1,154,038	\$5,912,909	\$3,747,987		\$10,814,934
O&M Including Fuel	\$11,672,802	\$18,833,793	\$20,100,593		\$50,607,188
Allocated A&G	\$637,512	\$3,266,401	\$1,804,398		\$5,708,311
State Taxes	\$587,768	\$6,947,411	\$555,448		\$8,090,627
Fully Allocated Cost (\$)	\$18,056,248	\$41,932,725	\$32,835,149	\$12,749,802	\$105,573,925
Fully Allocated Cost (\$/MWh)	\$49.37	\$26.13	\$80.65	\$29.08	\$39.66

Average Cost of Post-1979 Base Load Resources ASC Transmission \$39.66 \$3.30

2004 cost of serving NLSLs under Footnote (f)

\$42.96

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2005

			Kettle Falls	50,700
	2005		Colstrip	233,400
Contract System Cost	\$380,226,386		Coyote Springs	287,000
Contract System Load (MWH)	8,969,808		Other Thermal	259,770
Lookback ASC (\$/MWH)	<u>\$42.39</u>		Hydro	879,300
			<b>Total Capacity</b>	1,710,170
Production A&G Expense	\$19,744,261	Allocate on Total Capacity	Steam Capacity	284,100
WA. Production State Taxes	\$4,341,599	15% to Kettle Falls		
Montana Production State Tax	\$7,079,035	50% to Colstrip		
Production Oregon State Taxes	\$645,529	Direct to Coyote Springs 2		
Accum. Depreciation - Steam	\$212,368,234	Allocate on Steam Capacity		
Accum. Depreciation - Othr Prod.	\$26,449,457	2005 - 2004-\$100,000		
Annual Depreciation - Steam	\$11,543,625	Allocate on Steam Capacity		
Annual Depreciation - Othr. Prod.	\$9,417,668	2005-2002		
Fuel Stock (Account 151)	\$3,773,050	Allocate on Steam Capacity		
Plant Materials & Supplies	\$5,523,627	Allocate on Total Capacity		
General Plant	\$6,622,026	Allocate on Total Capacity		

	Kettle Falls	Colstrip 3 & 4	<b>Coyote Springs 2</b>	Long-Term	Total
Year in Service	1983	1984/1986	2003	<b>Purchased Power</b>	
Fuel	Gas/Wood	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	50,700	233,400	287,000		571,100
Energy (kWh)	338,170,000	1,770,709,000	1,527,857,000	457,836,000	4,094,572,000
Eastern Intertie Losses @ 3%		53,121,270			53,121,270
BPA Network Losses @ 1.9%		32,634,167	29,029,283		61,663,450
Avista Losses @ 3%	10,145,100	50,548,607	44,964,832		105,658,538
<b>Total Losses</b>	10,145,100	136,304,044	73,994,115		220,443,258
Energy Delivered	328,024,900	1,634,404,956			3,874,128,742
<b>Gross Plant in Service</b>	\$92,258,363	\$281,040,889	\$165,175,349		\$538,474,601
Accumulated Depreciation	(\$37,898,872)	(\$174,469,362)	(\$14,931,230)		(\$227,299,464)
Net Plant In Service	\$54,359,491	\$106,571,527	\$150,244,119		\$311,175,137
Fuel Stock	\$673,332	\$3,099,718			\$3,773,050
Plant Materials & Supplies	\$163,754	\$753,852	\$926,973		\$1,844,579
General Plant	\$196,318	\$903,759	\$1,111,306		\$2,211,382
Total "Rate Base"	\$55,392,895	\$111,328,855	\$152,282,397		\$319,004,148
Weighted cost of Debt @ 6.56%	\$3,633,774	\$7,303,173	\$9,989,725		\$20,926,672
Annual Depreciation	\$1,680,661	\$7,737,007	\$6,172,321		\$15,589,989
O&M Including Fuel	\$13,532,754	\$19,404,405	\$72,179,501		\$105,116,660
Allocated A&G	\$585,342	\$2,694,651	\$3,313,473		\$6,593,466
State Taxes	\$651,240	\$3,539,518	\$645,529		\$4,836,286
Fully Allocated Cost (\$)	\$20,083,771	\$40,678,753	\$92,300,550	\$11,877,298	\$164,940,371
Fully Allocated Cost (\$/MWh)	\$59.39	\$22.97	\$60.41	\$25.94	\$42.57

Average Cost of Post-1979 Base Load Resources ASC Transmission \$42.57 \$4.08

2005 cost of serving NLSLs under Footnote (f)

\$46.65

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2006

			Kettle Falls	50,700
	2006		Colstrip	233,400
Contract System Cost	\$410,317,978		Coyote Springs	287,000
Contract System Load (MWH)	9,226,352		Other Thermal	259,770
Lookback ASC (\$/MWH)	<u>\$44.47</u>		Hydro	879,300
			<b>Total Capacity</b>	1,710,170
Production A&G Expense	\$19,709,124	Allocate on Total Capacity	Steam Capacity	284,100
WA. Production State Taxes	\$4,101,358	15% to Kettle Falls		
Montana Production State Tax	\$6,625,765	50% to Colstrip		
Production Oregon State Taxes	\$746,036	Direct to Coyote Springs 2		
Accum. Depreciation - Steam	\$223,867,652	Allocate on Steam Capacity		
Accum. Depreciation - Othr Prod.	\$36,139,145	2006 - 2005-\$100,000		
Annual Depreciation - Steam	\$11,388,514	Allocate on Steam Capacity		
Annual Depreciation - Othr. Prod.	\$10,625,177	2006-2002		
Fuel Stock (Account 151)	\$2,121,931	Allocate on Steam Capacity		
Plant Materials & Supplies	\$6,297,937	Allocate on Total Capacity		
General Plant	\$16,517,699	Allocate on Total Capacity		

	Kettle Falls	Colstrip 3 & 4	<b>Coyote Springs 2</b>	Long-Term	Total
Year in Service	1983	1984/1986	2003	<b>Purchased Power</b>	
Fuel	Gas/Wood	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	50,700	233,400	287,000		571,100
Energy (kWh)	353,813,000	1,578,798,000	1,458,982,000	362,075,000	3,753,668,000
Eastern Intertie Losses @ 3%		47,363,940			47,363,940
BPA Network Losses @ 1.9%		29,097,247	27,720,658		56,817,905
Avista Losses @ 3%	10,614,390	45,070,104	42,937,840		98,622,335
Total Losses	10,614,390	121,531,292	70,658,498		202,804,180
Energy Delivered	343,198,610	1,457,266,708			3,550,863,820
<b>Gross Plant in Service</b>	\$92,467,006	\$286,023,504	\$159,457,316		\$537,947,826
Accumulated Depreciation	(\$39,951,038)	(\$183,916,614)	(\$24,520,918)		(\$248,388,570)
Net Plant In Service	\$52,515,968	\$102,106,890	\$134,936,398		\$289,559,256
Fuel Stock	\$378,676	\$1,743,255			\$2,121,931
<b>Plant Materials &amp; Supplies</b>	\$186,710	\$859,528	\$6,362,224		\$7,408,462
<b>General Plant</b>	\$489,687	\$2,254,297	\$16,686,306		\$19,430,290
Total "Rate Base"	\$53,571,040	\$106,963,970	\$157,984,929		\$318,519,939
Weighted cost of Debt @ 7.62%	\$4,082,113	\$8,150,654	\$12,038,452		\$24,271,219
<b>Annual Depreciation</b>	\$1,896,151	\$8,729,026	\$7,164,340		\$17,789,517
O&M	\$3,695,751	\$8,946,241	\$3,837,143		\$16,479,135
Fuel	\$10,489,971	\$14,953,795	\$82,419,671		\$107,863,437
Allocated A&G	\$584,300	\$2,689,855	\$3,307,577		\$6,581,732
State Taxes	\$615,204	\$3,312,883	\$746,036		\$4,674,122
Fully Allocated Cost (\$)	\$21,363,490	\$46,782,454	\$109,513,218	\$12,903,902	\$190,563,065
Fully Allocated Cost (\$/MWh)	\$60.38	\$29.63	\$75.06	\$35.64	\$50.77

**Average Cost of Post-1979 Base Load Resources** 

\$50.77 \$4.54

2006 cost of serving NLSLs under Footnote (f)

\$55.3

**ASC Transmission** 

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2007

			Kettle Falls	50,700
	2007		Colstrip	233,400
Contract System Cost	\$445,389,616		Coyote Springs	287,000
Contract System Load (MWH)	9,392,012		Other Thermal	259,770
Lookback ASC (\$/MWH)	<u>\$47.42</u>		Hydro	781,366
			<b>Total Capacity</b>	1,612,236
Production A&G Expense	\$20,280,689	Inflation	Steam Capacity	284,100
WA. Production State Taxes	\$4,101,358	No Change		
Montana Production State Tax	\$6,625,765	No Change		
Production Oregon State Taxes	\$746,036	No Change		
Accum. Depreciation - Steam	\$223,867,652	2006 Accum Dep	+ 2006 An Depr.	
Accum. Depreciation - Othr Prod.	\$36,139,145	2007 Accum Dep	+ 2006 An Depr.	
Annual Depreciation - Steam	\$11,388,514	No Change		
Annual Depreciation - Othr. Prod.	\$10,625,177	No Change		
Fuel Stock (Account 151)	\$2,183,467	Inflation		
Plant Materials & Supplies	\$6,480,577	Inflation		
General Plant	\$16,996,712	Inflation		

	Kettle Falls	Colstrip 3 & 4	<b>Coyote Springs 2</b>	Long-Term	Total
Year in Service	1983	1984/1986	2003	<b>Purchased Power</b>	
Fuel	Gas/Wood	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	50,700	233,400	287,000		571,100
Energy (kWh)	353,813,000	1,578,798,000	1,458,982,000	362,075,000	3,753,668,000
Eastern Intertie Losses @ 3%		47,363,940			47,363,940
BPA Network Losses @ 1.9%		29,097,247	27,720,658		56,817,905
Avista Losses @ 3%	10,614,390	45,070,104	42,937,840		98,622,335
Total Losses	10,614,390	121,531,292	70,658,498		202,804,180
Energy Delivered	343,198,610	1,457,266,708			3,550,863,820
<b>Gross Plant in Service</b>	\$92,467,006	\$286,023,504	\$159,457,316		\$537,947,826
Accumulated Depreciation	(\$41,847,189)	(\$192,645,640)	(\$31,685,258)		(\$266,178,087)
Net Plant In Service	\$50,619,817	\$93,377,864	\$127,772,058		\$271,769,739
Fuel Stock	\$389,658	\$1,793,809			\$2,183,467
Plant Materials & Supplies	\$203,795	\$938,179	\$6,546,729		\$7,688,703
General Plant	\$534,496	\$2,460,578	\$17,170,209		\$20,165,283
Total "Rate Base"	\$51,747,765	\$98,570,431	\$151,488,996		\$301,807,192
Weighted cost of Debt @ 7.62%	\$3,943,180	\$7,511,067	\$11,543,461		\$22,997,708
<b>Annual Depreciation</b>	\$1,896,151	\$8,729,026	\$7,164,340		\$17,789,517
O&M	\$3,802,928	\$9,205,682	\$3,948,420		
Fuel	\$10,794,180	\$15,387,455	\$88,576,420		\$114,758,056
Allocated A&G	\$637,767	\$2,935,992	\$3,610,239		\$7,183,999
State Taxes	\$615,204	\$3,312,883	\$746,036		\$4,674,122
<b>Fully Allocated Cost (\$)</b>	\$21,689,409	\$47,082,105	\$115,588,917	\$13,278,115	\$197,638,547
Fully Allocated Cost (\$/MWh)	\$61.30	\$29.82	\$79.23	\$36.67	\$52.65

Average Cost of Post-1979 Base Load Resources

\$52.65 \$4.54

ASC Transmission
2007 cost of serving NLSLs under Footnote (f)

**\$57.19** 

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2008

			Kettle Falls	50,700
	2008		Colstrip	233,400
Contract System Cost	\$489,630,820		Coyote Springs	287,000
Contract System Load (MWH)	9,572,110		Other Thermal	259,770
Lookback ASC (\$/MWH)	<u>\$51.15</u>		Hydro	781,366
			<b>Total Capacity</b>	1,612,236
Production A&G Expense	\$20,868,829	Inflation	Steam Capacity	284,100
WA. Production State Taxes	\$4,101,358	No Change		
Montana Production State Tax	\$6,625,765	No Change		
Production Oregon State Taxes	\$746,036	No Change		
Accum. Depreciation - Steam	\$223,867,652	<b>2007 Accum Dep</b> +	2007 An Depr.	
Accum. Depreciation - Othr Prod.	\$36,139,145	<b>2008 Accum Dep</b> +	2007 An Depr.	
Annual Depreciation - Steam	\$11,388,514	No Change		
Annual Depreciation - Othr. Prod.	\$10,625,177	No Change		
Fuel Stock (Account 151)	\$2,246,788	Inflation		
Plant Materials & Supplies	\$6,668,514	Inflation		
General Plant	\$17,489,617	Inflation		

	Kettle Falls	Colstrip 3 & 4	<b>Coyote Springs 2</b>	Long-Term	Total
Year in Service	1983	1984/1986	2003	<b>Purchased Power</b>	
Fuel	Gas/Wood	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	50,700	233,400	287,000		571,100
Energy (kWh)	353,813,000	1,578,798,000	1,458,982,000	362,075,000	3,753,668,000
Eastern Intertie Losses @ 3%		47,363,940			47,363,940
BPA Network Losses @ 1.9%		29,097,247	27,720,658		56,817,905
Avista Losses @ 3%	10,614,390	45,070,104	42,937,840		98,622,335
Total Losses	10,614,390	121,531,292	70,658,498		202,804,180
Energy Delivered	343,198,610	1,457,266,708			3,550,863,820
Gross Plant in Service	\$92,467,006	\$286,023,504	\$159,457,316		\$537,947,826
Accumulated Depreciation	(\$43,743,340)	(\$201,374,666)	(\$38,849,598)		(\$283,967,604)
Net Plant In Service	\$48,723,666	\$84,648,838	\$120,607,718		\$253,980,222
Fuel Stock	\$400,958	\$1,845,830			\$2,246,788
Plant Materials & Supplies	\$209,705	\$965,387	\$6,736,584		\$7,911,675
General Plant	\$549,996	\$2,531,935	\$17,668,145		\$20,750,076
Total "Rate Base"	\$49,884,325	\$89,991,989	\$145,012,447		\$284,888,761
Weighted cost of Debt @ 7.62%	\$3,801,186	\$6,857,390	\$11,049,948		\$21,708,524
<b>Annual Depreciation</b>	\$1,951,139	\$8,982,168	\$7,372,106		\$18,305,413
O&M	\$3,913,213	\$9,472,647	\$4,062,924		\$17,448,784
Fuel	\$11,107,211	\$15,833,691	\$95,193,079		\$122,133,982
Allocated A&G	\$656,262	\$3,021,136	\$3,714,936		\$7,392,335
State Taxes	\$615,204	\$3,312,883	\$746,036		\$4,674,122
<b>Fully Allocated Cost (\$)</b>	\$22,044,215	\$47,479,914	\$122,139,030	\$13,663,180	\$205,326,339
Fully Allocated Cost (\$/MWh)	\$62.30	\$30.07	\$83.72	\$37.74	\$54.70

**Average Cost of Post-1979 Base Load Resources** 

\$54.70 \$4.54

2008 cost of serving NLSLs under Footnote (f)

<u>\$59.2</u>4

**ASC Transmission** 

Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology Idaho Power 2002

luan	1 0 Wei 2002		
2002			
\$604,574,008			
13,538,771			
<u>\$44.66</u>			
\$25.714.049	Allocate on Total Conscitu		
	=		
73,173,003	Anocate on Total Capacity		
Boardman	Valmy	Long-Term	Total
1980	1984/1986	<b>Purchased Power</b>	
Coal	Coal	Form 1- LF	
56,050	283,500		339,55
352,608,000	1,945,195,000	0	2,297,803,00
	58,355,850		58,355,85
6,699,552	35,849,944		42,549,49
12,452,704	66,635,611		79,088,31
19,152,256	160,841,405		179,993,66
333,455,744	1,784,353,595		2,117,809,33
\$64,134,474	\$298,277,622		\$362,412,09
(40,274,000)	(164,995,000)		(205,269,00
23,860,474	133,282,622		157,143,09
350,570	1,773,179		2,123,75
175,761	888,996		1,064,75
1,336,762	6,761,320		8,098,08
25,723,567	142,706,117		168,429,68
1,378,783	7,649,048		9,027,83
2,274,000	7,995,000		10,269,00
8,054,127	41,767,638		49,821,76
469,757	2,376,024		2,845,78
986,710	956,030		1,942,74
\$13.163.377	\$60.743.740	\$0	\$73,907,11
\$37.33	\$31.23	Ψ	\$34.9
1 - 1 - 1	1		1
oad Resources			
oad Resources  Ls under Foot			\$34.90 \$3.11 <b>\$38.01</b>
	2002 \$604,574,008 13,538,771 \$44.66 \$25,714,948 1,969,091 956,030 434,025,860 23,350,222 6,942,920 9,621,318 73,175,605  Boardman 1980 Coal 56,050 352,608,000 6,699,552 12,452,704 19,152,256 333,455,744 \$64,134,474 (40,274,000) 23,860,474 350,570 175,761 1,336,762 25,723,567 1,378,783 2,274,000 8,054,127 469,757 986,710 \$13,163,377	\$604,574,008 13,538,771 \$44.66  \$25,714,948 1,969,091 956,030 434,025,860 23,350,222 6,942,920 9,621,318 73,175,605  \$1980  \$1984/1986 Coal  \$6,050 352,608,000 \$1,945,195,000 58,355,850 352,608,000 \$1,945,195,000 58,355,850 6,699,552 12,452,704 19,152,256 160,841,405 333,455,744 17,84,353,595 \$64,134,474 \$298,277,622 (40,274,000) 23,860,474 350,570 175,761 1,336,762 25,723,567 1,378,783 2,274,000 8,054,127 1,378,783 2,274,000 8,054,127 1,378,783 2,274,000 8,054,127 41,767,638 469,757 986,710 \$\$13,163,377\$ \$\$60,743,740	\$604,574,008 13,538,771 \$44.66  \$25,714,948 1,969,091 956,030 434,025,860 23,350,222 6,942,920 9,621,318 73,175,605  Boardman Valmy 1980 1984/1986 Coal  \$56,050 352,608,000 1,945,195,000 58,355,850 6,699,552 35,849,944 12,452,704 66,635,611 19,152,256 160,841,405 333,455,744 1,784,353,595 \$64,134,474 \$298,277,622 (40,274,000) 23,860,474 313,282,622 350,570 1,773,179 175,761 888,996 1,336,762 6,761,320 25,723,567 142,706,117 1,378,783 7,649,048 2,274,000 8,054,127 41,767,638 469,757 2,376,024 986,710 956,030  \$13,163,377 \$60,743,740 \$0

**Cost of Serving New Large Single Loads** Footnote (f), Paragraph (3) of 1984 ASC Methodology **Idaho Power 2003** 

	Idan	o Power 2003		
	2003			
Contract System Cost	\$511,428,346			
Contract System Load (MWH)	13,629,033			
Lookback ASC (\$/MWH)	\$37.52			
LOOKDACK ASC (\$/WWWI)	<u>\$31.32</u>			
Production A&G Expense	\$26,031,032	Allocate on Total Capacity		
Production Oregon State Taxes	1,958,255			
Nevada State Tax	950,788			
Accumulated Depreciation	363,647,084			
Annual Depreciation	23,438,016			
Fuel Stock (Account 151)	6,228,205			
Plant Materials & Supplies	9,320,875			
General Plant	77,874,151	Allocate on Total Capacity		
	, ,	•		
	Boardman	Valmy	Long-Term	Total
Year in Service	1980	1984/1986	<b>Purchased Power</b>	
Fuel	Coal	Coal	Form 1- LF	
Capacity (kW)	56,050	283,500		339,550
Energy (kWh)	423,535,000	1,627,984,000	0	2,051,519,000
Valmy Losses @ 3%		48,839,520		48,839,520
<b>BPA Network Losses @ 1.9%</b>	8,047,165	30,003,745		38,050,910
Idaho System Losses @ 3.6%	14,957,562	55,769,066		70,726,629
<b>Total Losses</b>	23,004,727	134,612,332		157,617,059
<b>Energy Delivered</b>	400,530,273	1,493,371,668		1,893,901,941
<b>Original Cost</b>	\$64,380,002	\$302,967,878		\$367,347,880
<b>Accum Depreciation (est.)</b>	(42,450,000)	(174,194,000)		(216,644,000
<b>Est. Net Plant In Service</b>	21,930,002	128,773,878		150,703,880
Fuel Stock	314,482	1,590,646		1,905,128
Plant Materials & Supplies	170,272	861,235		1,031,508
<b>General Plant</b>	1,422,594	7,195,459		8,618,053
Total "Rate Base"	23,837,351	138,421,217		162,258,568
Weighted cost of Debt @ 5.86%	1,396,869	8,111,483		9,508,352
<b>Annual Depreciation</b>	2,176,000	9,199,000		11,375,000
O&M Including Fuel	8,375,174	40,701,323		49,076,497
Allocated A&G	475,531	2,405,230		2,880,761
State Taxes	960,416	950,788		1,911,204
Fully Allocated Cost (\$)	¢12 292 000	ф <i>(</i> 1 2 <i>(</i> 7 924	¢Λ	\$74.7E1.01
	\$13,383,990	\$61,367,824	\$0	\$74,751,814
Fully Allocated Cost (\$/MWh)	\$31.60	\$37.70		\$39.47
Average Cost of Dest 1070 Dess I	and Dagarrage			\$39.47
Average Cost of Post-1979 Base Lo ASC Transmission	oau Kesources			\$39.47 \$3.64
ASC ITAUSHIISSIUH				ф3.04

2003 cost of serving NLSLs under Footnote (f)

\$43.11

Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology Idaho Power 2002

	2004			
Contract System Cost	\$475,516,241			
Contract System Load (MWH)	13,901,568			
Lookback ASC (\$/MWH)	\$34.21			
, ,				
Production A&G Expense	\$26,307,787	Allocate on Total Capacity		
Production Oregon State Taxes	992,506	Boardman		
Nevada State Tax	902,337	Valmy		
Accumulated Depreciation	385,155,364	Values from 10-K		
Annual Depreciation	22,416,607	Values from 10-K		
Fuel Stock (Account 151)	6,450,733	Allocate on Steam Capacity		
Plant Materials & Supplies	12,396,581	Allocate on Total Capacity		
General Plant	72,401,297	Allocate on Total Capacity		
	Boardman	Valmy	Long-Term	Total
Year in Service	1980	1984/1986	Purchased Power	10111
Fuel	Coal	Coal	Form 1- LF	
Capacity (kW)	56,050	283,500	FOIM I- LF	339,550
Energy (kWh)	353,543,000	2,003,174,000	79,872,000	2,436,589,000
Valmy Losses @ 3%	333,343,000	60,095,220	77,872,000	60,095,220
BPA Network Losses @ 1.9%	6,717,317	36,918,497		43,635,814
Idaho System Losses @ 3.6%	12,485,725	68,621,770		81,107,49
Total Losses	19,203,042	165,635,487		184,838,529
Energy Delivered	334,339,958	1,837,538,513		2,251,750,471
Original Cost	\$65,497,547	\$305,413,376		\$370,910,923
Accum Depreciation (est.)	(44,305,000)			(228,362,000
Est. Net Plant In Service	21,192,547	121,356,376		142,548,923
Fuel Stock	325,718	1,647,478		1,973,196
Plant Materials & Supplies	226,459	1,145,426		1,371,885
General Plant	1,322,617	6,689,775		8,012,392
Total "Rate Base"	23,067,341	130,839,055		153,906,396
Weighted cost of Debt @ 5.10%	1,176,434	6,672,792		7,849,220
Annual Depreciation	1,825,000	9,831,000		11,656,000
O&M Including Fuel	8,505,121	42,890,609		51,395,730
Allocated A&G	480,587	2,430,801		2,911,388
State Taxes	986,710	902,337		1,889,047
Fully Allocated Cost (\$)	\$12,973,852	\$62,727,539	\$3,554,304	\$79,255,690
Fully Allocated Cost (\$/MWh)	\$36.70	\$31.31	\$44.50	\$35.20
<u> </u>		7.5.02	7	•
Average Cost of Post-1979 Base Lo	ad Kesources			\$35.2
ASC Transmission				\$3.9

Bonneville Power Administration September 15, 2008

Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology Idaho Power 2005

	o Power 2005		
2005			
13,953,253			
<u>\$33.27</u>			
\$25.511.407	Allegade on Tadal Compaster		
	-		
18,295,331	Allocate on Total Capacity		
Boardman	Valmy	Long-Term	Total
1980	1984/1986	Purchased Power	
Coal	Coal	Form 1- LF	
56,050	283,500		339,5
357,180,000	1,953,610,000	157,636,000	2,468,426,0
	58,608,300		58,608,3
6,786,420	36,005,032		42,791,4
12,614,169	66,923,880		79,538,0
19,400,589	161,537,212		180,937,8
337,779,411	1,792,072,788		2,287,488,1
\$68,620,995	\$306,449,181		\$375,070,1
(46,160,000)	(193,920,000)		(240,080,0
22,460,995	112,529,181		134,990,1
580,379	2,935,546		3,515,9
256,916	1,299,477		1,556,3
1,430,289	7,234,377		8,664,6
24,728,578	123,998,581		148,727,1
1,335,343	6,695,923		8,031,2
1,885,000	9,895,000		11,780,0
8,054,127	41,767,638		49,821,7
648,717	3,281,202		3,929,9
986,710	1,064,253		2,050,9
<b>#12.000.000</b>	\$62,704,017	\$7,582,933	\$83,196,8
\$12,909,898	\$U4./U4.UI/		
	\$464,184,105 13,953,253 \$33.27  \$33,27  \$35,511,407 960,798 1,064,253 404,798,819 23,062,474 11,494,190 14,063,820 78,295,357  Boardman 1980 Coal 56,050 357,180,000 6,786,420 12,614,169 19,400,589 337,779,411 \$68,620,995 (46,160,000) 22,460,995 580,379 256,916 1,430,289 24,728,578 1,335,343 1,885,000 8,054,127 648,717	\$464,184,105 13,953,253 \$33,27  \$33,27  \$33,511,407 960,798 1,064,253 404,798,819 23,062,474 11,494,190 14,063,820 78,295,357   Boardman  1980 Coal  56,050 357,180,000 4,786,420 12,614,169 19,400,589 19,400,589 19,400,589 19,400,589 19,400,589 19,400,589 19,400,589 19,400,589 19,400,589 161,537,212 337,779,411 \$68,620,995 (46,160,000) 22,460,995 (46,160,000) 22,460,995 112,529,181 580,379 256,916 1,299,477 1,430,289 7,234,377 24,728,578 123,998,581 1,335,343 6,695,923 1,885,000 8,054,127 648,717 328Ilocate on Total Capacity Allocate on Total Capacity 1953,610,000 58,608,300 1,953,610,000 58,608,300 1,953,610,000 1,	\$35,511,407 960,798 1,064,253 404,798,819 23,062,474 11,494,190 14,063,820 78,295,357  Boardman  1980 Coal 56,050 357,180,000 357,180,000 6,786,420 357,180,000 6,786,420 19,400,589 19,400,589 19,400,589 19,400,589 19,400,589 161,537,212 337,779,411 1,792,072,788 \$68,620,995 \$306,449,181 (46,160,000) 22,460,995 112,529,181 580,379 24,728,578 123,998,581 1,335,343 1,885,000 8,054,127 41,767,638 648,717 3,281,202

2005 cost of serving NLSLs under Footnote (f)

<u>\$40.68</u>

Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology Idaho Power 2006

		0 2 0 11 02 2000	
	2006		
Contract System Cost	\$415,047,311		
Contract System Load (MWH)	14,636,280		
Lookback ASC (\$/MWH)	<u>\$28.36</u>		
Production A&G Expense	\$38,424,236	Allocate on Total Capacity	
Production Oregon State Taxes		Boardman	
Nevada State Tax	857,398	Valmy	
Accumulated Depreciation	420,177,111	Values from 10-K	
Annual Depreciation	23,623,910	Values from 10-K	
Fuel Stock (Account 151)	15,173,831	Allocate on Steam Capacity	
Plant Materials & Supplies	17,759,241	Allocate on Total Capacity	
General Plant	74,534,385	Allocate on Total Capacity	
	Boardman	Valmy	Long-Term
Year in Service	1980	1984/1986	<b>Purchased Pow</b>
Fuel	Coal	Coal	Form 1- LF
Capacity (kW)	64,220	283,500	
Energy (kWh)	241,557,000	1,744,910,000	103,584,0

	Boardman	Valmy	Long-Term	Total
Year in Service	1980	1984/1986	<b>Purchased Power</b>	
Fuel	Coal	Coal	Form 1- LF	
Capacity (kW)	64,220	283,500		347,720
Energy (kWh)	241,557,000	1,744,910,000	103,584,000	2,090,051,000
Valmy Losses @ 3%		52,347,300		52,347,300
BPA Network Losses @ 1.9%	4,589,583	32,158,691		36,748,274
Idaho System Losses @ 3.6%	8,530,827	59,774,544		68,305,371
Total Losses	13,120,410	144,280,536		157,400,946
Energy Delivered	228,436,590	1,600,629,464		1,932,650,054
Original Cost	\$68,476,517	\$310,812,481		\$379,288,998
Accum Depreciation (est.)	(47,284,000)	(203,188,000)		(250,472,000)
Est. Net Plant In Service	21,192,517	107,624,481		128,816,998
Fuel Stock	871,442	3,846,990		1,719,638
Plant Materials & Supplies	371,712	1,640,928		2,012,640
General Plant	1,560,052	6,886,869		8,446,921
Total "Rate Base"	23,995,723	119,999,268		143,994,991
Weighted cost of Debt @ 5.44%	1,305,367	6,527,960		8,942,089
Annual Depreciation	1,124,000	9,268,000		10,392,000
O&M	3,563,314	16,879,165		20,442,479
Fuel	3,429,448	34,453,372		37,882,820
Allocated A&G	804,244	3,550,344		4,354,587
State Taxes	986,710	857,398		1,844,108
Fully Allocated Cost (\$)	\$11,213,083	\$71,536,239	\$4,609,488	\$87,358,810
Fully Allocated Cost (\$/MWh)	\$46.42	\$41.00	\$44.50	\$41.80

Average Cost of Post-1979 Base Load Resources \$41.80
ASC Transmission \$4.77
2006 cost of serving NLSLs under Footnote (f) \$46.57

Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2007

	2007	
Contract System Cost	\$483,960,842	I
Contract System Load (MWH)	15,010,497	
Lookback ASC (\$/MWH)	<u>\$32.24</u>	
Production A&G Expense	\$39,538,539	Inflation
Production Oregon State Taxes	962,844	No Change
Nevada State Tax	857,398	No Change
Accumulated Depreciation	420,177,111	2006 Accum Dep + 2006 An Depr.
Annual Depreciation	23,623,910	No Change
Fuel Stock (Account 151)	15,613,872	Inflation
Plant Materials & Supplies	18,274,259	Inflation
General Plant	76,695,882	Inflation

	Boardman	Valmy	Long-Term	Total
Year in Service	1980	1984/1986	<b>Purchased Power</b>	
Fuel	Coal	Coal	Form 1- LF	
Capacity (kW)	64,220	283,500		347,720
Energy (kWh)	241,557,000	1,744,910,000	103,584,000	2,090,051,000
Valmy Losses @ 3%		52,347,300		52,347,300
BPA Network Losses @ 1.9%	4,589,583	32,158,691		36,748,274
Idaho System Losses @ 3.6%	8,530,827	59,774,544		68,305,371
Total Losses	13,120,410	144,280,536		157,400,946
Energy Delivered	228,436,590	1,600,629,464		1,932,650,054
Original Cost	\$68,476,517	\$310,812,481		\$379,288,998
Accum Depreciation (est.)	(48,408,000)	(212,456,000)		(260,864,000)
Est. Net Plant In Service	20,068,517	98,356,481		118,424,998
Fuel Stock	896,713	3,958,553		1,769,507
Plant Materials & Supplies	382,492	1,688,515		2,071,007
General Plant	1,605,293	7,086,588		8,691,882
Total "Rate Base"	22,953,016	111,090,137		134,043,153
Weighted cost of Debt @ 5.44%	1,248,644	6,043,303		8,324,080
Annual Depreciation	1,124,000	9,268,000		10,392,000
O&M	3,666,650	17,368,661		21,035,311
Fuel	3,528,902	35,452,520		38,981,422
Allocated A&G	827,567	3,653,304		4,480,870
State Taxes	986,710	857,398		1,844,108
Fully Allocated Cost (\$)	\$11,382,473	\$72,643,186	\$4,743,163	\$88,768,822
Fully Allocated Cost (\$/MWh)	\$47.12	\$41.63	\$45.79	\$42.47

Average Cost of Post-1979 Base Load Resources ASC Transmission \$42.47 \$4.77

2007 cost of serving NLSLs under Footnote (f)

\$47.24

Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2008

		2008								
	2008									
Contract System Cost	\$527,772,214									
Contract System Load (MWH)	15,347,626									
Lookback ASC (\$/MWH)	<u>\$34.39</u>									
Production A&G Expense	\$40,685,156	Inflation								
Production Oregon State Taxes	962,844	No Change								
Nevada State Tax		No Change								
Accumulated Depreciation		11 2007 Accum Dep + 2007 An Depr.								
Annual Depreciation		0 No Change								
Fuel Stock (Account 151)	16,066,674									
Plant Materials & Supplies	18,804,212									
General Plant	78,920,063	Inflation								
	Boardman	Valmy	Long-Term	Total						
Year in Service	1980	1984/1986	Purchased Power							
Fuel	Coal	Coal	Form 1- LF							
Capacity (kW)	64,220	283,500		347,720						
Energy (kWh)	241,557,000	1,744,910,000	103,584,000	2,090,051,00						
Valmy Losses @ 3%		52,347,300		52,347,30						
<b>BPA Network Losses @ 1.9%</b>	4,589,583	32,158,691		36,748,27						
Idaho System Losses @ 3.6%	8,530,827	59,774,544		68,305,37						
<b>Total Losses</b>	13,120,410	144,280,536		157,400,94						
Energy Delivered	228,436,590	1,600,629,464		1,932,650,05						
Original Cost	\$68,476,517	\$310,812,481		\$379,288,99						
Accum Depreciation (est.)	(47,284,000)	(203,188,000)		(250,472,00						
Est. Net Plant In Service	21,192,517	107,624,481		128,816,99						
Fuel Stock	922,718	4,073,351		1,820,82						
Plant Materials & Supplies	393,584	1,737,482		2,131,06						
General Plant	1,651,847	7,292,099		8,943,94						
Total "Rate Base"	24,160,666	120,727,413		144,888,07						
Weighted cost of Debt @ 5.44%	1,314,340	6,567,571		8,997,55						
Annual Depreciation	1,124,000	9,268,000		10,392,00						
O&M Fuel	3,772,983	17,872,352 36,480,643		40 111 00						
Allocated A&G	3,631,240 851,566	30,480,643		40,111,88 4,610,81						
State Taxes	986,710	857,398		1,844,10						
	200,710	357,370		1,011,10						
Fully Allocated Cost (\$)	\$11,680,839	\$74,805,213	\$4,880,715	\$91,366,76						
Fully Allocated Cost (\$/MWh)	\$48.36	\$42.87	\$47.12	\$43.7						
Avonago Cost of Doct 1070 Doct 1	ad Dagayyasa			¢42 5						
Average Cost of Post-1979 Base Lo ASC Transmission	au Kesources			\$43.72 \$4.7						
ASC Transmission				<b>74.</b> /.						

#### **Cost of Serving New Large Single Loads** Footnote (f), Paragraph (3) of 1984 ASC Methodology 2002

PNW Total	2002								
Contract System Cost	\$790,596,871								
Contract System Cost Contract System Load (MWH)	21,148,443								
Lookback ASC (\$/MWH)	\$37.38								
Total Company	<u>\$37.30</u>								
1 0	#26.241.502								
Production A&G Expense Arizona Production State Taxes	\$36,341,582 707,208								
Arizona Production State Taxes  Colorado Production State Taxes	2,467,816								
Montana Production State Taxes	2,256,209								
Oregon Production State Taxes	7,198,387 2,658,631								
Wyoming Production State Taxes	584,910,182								
Accum. Depreciation - Steam Accum. Depreciation - Other Prod.	10,537,497								
Annual Depreciation - Steam	34,839,342								
Annual Depreciation - Steam  Annual Depreciation - Other. Prod.	1,438,714								
Fuel Stock (Account 151)	18,823,598								
Plant Materials & Supplies	11,025,568								
General Plant	156,161,018								
	Cholla	Hermiston	Colstrip	Craig	Hunter No.2	Hunter No.3	Blundell	Long-Term	Total
Year in Service	1981	1996	1984	1979	1980	1983	1984	Purchased Power	2000
Fuel	Coal	Natural Gas	Coal	Coal	Coal	Coal	Geo-Therm	Form 1- LF	
Capacity (kW)	414,000	237,000	155,610	172,130	472,500	495,500	26,000		1,972,74
Energy (kWh)	2,533,121,000	1,477,254,000	984,315,000	1,366,706,000	1,670,598,000	3,418,272,000	184,449,000	1,773,182,000	13,407,897,000
Path 3 Losses			29,529,450						29,529,45
Path 2 Losses	48,129,299	28,067,826	18,140,925	25,967,414					120,305,46
Path 1 Losses	86,477,711	64,923,541	46,232,945	46,657,703	58,136,810	118,955,866	6,418,825		427,803,40
Total Transmission Losses	134,607,010	92,991,367	93,903,320	72,625,117	58,136,810	118,955,866	6,418,825		577,638,31
Energy Delivered		1,384,262,633	000 411 600	1 20 4 000 002	1,612,461,190	3,299,316,134	178,030,175		12,830,258,68
Energy Denvered	2,398,513,990	1,304,202,033	890,411,680	1,294,080,883	1,612,461,190	3,299,310,134	170,030,173		12,050,250,00
Gross Plant in Service	2,398,513,990 \$359,118,176	\$157,959,051	\$203,965,911	\$151,553,711	\$205,217,773	\$472,493,308	\$70,249,947		\$1,620,557,87
Gross Plant in Service Accumulated Depreciation	\$359,118,176 (133,724,353)	\$157,959,051 (28,300,000)	\$203,965,911 (104,400,000)	\$151,553,711 (75,800,000)	\$205,217,773 (91,700,000)	\$472,493,308 (158,347,529)	\$70,249,947 (22,235,047)		\$1,620,557,87
Gross Plant in Service Accumulated Depreciation Percent Depreciated	\$359,118,176 (133,724,353) -37.24%	\$157,959,051 (28,300,000) -17.92%	\$203,965,911 (104,400,000) -51.19%	\$151,553,711 (75,800,000) -50.02%	\$205,217,773 (91,700,000) -44.68%	\$472,493,308 (158,347,529) -33.51%	\$70,249,947 (22,235,047) -31.65%		\$1,620,557,87' (614,506,92'
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service	\$359,118,176 (133,724,353) -37.24% 225,393,823	\$157,959,051 (28,300,000)	\$203,965,911 (104,400,000) -51.19% 99,565,911	\$151,553,711 (75,800,000) -50.02% 75,753,711	\$205,217,773 (91,700,000) -44.68% 113,517,773	\$472,493,308 (158,347,529) -33.51% 314,145,779	\$70,249,947 (22,235,047)		\$1,620,557,87' (614,506,92' 1,006,050,94
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock	\$359,118,176 (133,724,353) -37.24% 225,393,823 1,405,595	\$157,959,051 (28,300,000) -17.92% 129,659,051	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320	\$151,553,711 (75,800,000) -50.02% 75,753,711 584,408	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300	\$70,249,947 (22,235,047) -31.65% 48,014,900		\$1,620,557,87' (614,506,92' 1,006,050,94' 5,804,83
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock Plant Materials & Supplies	\$359,118,176 (133,724,353) -37.24% 225,393,823 1,405,595 484,550	\$157,959,051 (28,300,000) -17.92% 129,659,051 277,387	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320 182,128	\$151,553,711 (75,800,000) -50.02% 75,753,711 584,408 201,463	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212 553,019	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300 579,938	\$70,249,947 (22,235,047) -31.65% 48,014,900 30,431		\$1,620,557,87' (614,506,92' 1,006,050,94' 5,804,83 2,308,91
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock Plant Materials & Supplies General Plant	\$359,118,176 (133,724,353) -37.24% 225,393,823 1,405,595 484,550 6,862,938	\$157,959,051 (28,300,000) -17,92% 129,659,051 277,387 3,928,783	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320 182,128 2,579,570	\$151,553,711 (75,800,000) -50.02% 75,753,711 584,408 201,463 2,853,424	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212 553,019 7,832,701	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300 579,938 8,213,975	\$70,249,947 (22,235,047) -31.65% 48,014,900 30,431 431,006		\$1,620,557,87' (614,506,92' 1,006,050,94' 5,804,83 2,308,91 32,702,39'
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock Plant Materials & Supplies General Plant Total "Rate Base"	\$359,118,176 (133,724,353) -37.24% 225,393,823 1,405,595 484,550 6,862,938 234,146,906	\$157,959,051 (28,300,000) -17.92% 129,659,051 277,387 3,928,783 133,865,222	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320 182,128 2,579,570 102,855,928	\$151,553,711 (75,800,000) -50.02% 75,753,711 584,408 201,463 2,853,424 79,393,006	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212 553,019 7,832,701 123,507,704	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300 579,938 8,213,975 324,621,993	\$70,249,947 (22,235,047) -31.65% 48,014,900 30,431 431,006 48,476,337		\$1,620,557,87 (614,506,92 1,006,050,94 5,804,83 2,308,91 32,702,39 1,046,867,09
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock Plant Materials & Supplies General Plant Total "Rate Base" Weighted cost of Debt @ 6.48%	\$359,118,176 (133,724,353) -37,24% 225,393,823 1,405,595 484,550 6,862,938 234,146,906 15,172,719	\$157,959,051 (28,300,000) -17,92% 129,659,051 277,387 3,928,783 133,865,222 8,674,466	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320 182,128 2,579,570 102,855,928 6,665,064	\$151,553,711 (75,800,000) -50,02% 75,753,711 584,408 201,463 2,853,424 79,393,006 5,144,667	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212 553,019 7,832,701 123,507,704 8,003,299	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300 579,938 8,213,975 324,621,993 21,035,505	\$70,249,947 (22,235,047) -31.65% 48,014,900 30,431 431,006 48,476,337 3,141,267		\$1,620,557,87 (614,506,92 1,006,050,94 5,804,83 2,308,91 32,702,39 1,046,867,09 67,836,98
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock Plant Materials & Supplies General Plant Total "Rate Base" Weighted cost of Debt @ 6.48% Annual Depreciation	\$359,118,176 (133,724,353) -37,24% 225,393,823 1,405,595 484,550 6,862,938 234,146,906 15,172,719 8,023,461	\$157,959,051 (28,300,000) -17,92% 129,659,051 277,387 3,928,783 133,865,222 8,674,466 11,763,800	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320 182,128 2,579,570 102,855,928 6,665,064 5,361,213	\$151,553,711 (75,800,000) -50,02% 75,753,711 584,408 201,463 2,853,424 79,393,006 5,144,667 3,224,792	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212 553,019 7,832,701 123,507,704 8,003,299 4,366,667	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300 579,938 8,213,975 324,621,993 21,035,505 11,729,447	\$70,249,947 (22,235,047) -31.65% 48,014,900 30,431 431,006 48,476,337 3,141,267 1,846,509		\$1,620,557,87 (614,506,92 1,006,050,94 5,804,83 2,308,91 32,702,39 1,046,867,09 67,836,98 46,315,88
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock Plant Materials & Supplies General Plant Total "Rate Base" Weighted cost of Debt @ 6.48% Annual Depreciation O&M Including Fuel	\$359,118,176 (133,724,353) -37,24% 225,393,823 1,405,595 484,550 6,862,938 234,146,906 15,172,719 8,023,461 48,399,233	\$157,959,051 (28,300,000) -17,92% 129,659,051 277,387 3,928,783 133,865,222 8,674,466 11,763,800 43,512,754	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320 182,128 2,579,570 102,855,928 6,665,064 5,361,213 10,828,878	\$151,553,711 (75,800,000) -50.02% 75,753,711 584,408 201,463 2,853,424 79,393,006 5,144,667 3,224,792 19,656,595	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212 553,019 7,832,701 123,507,704 8,003,299 4,366,667 22,731,674	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300 579,938 8,213,975 324,621,993 21,035,505 11,729,447 39,186,909	\$70,249,947 (22,235,047) -31.65% 48,014,900 30,431 431,006 48,476,337 3,141,267 1,846,509 5,513,359		\$1,620,557,87 (614,506,92 1,006,050,94 5,804,83 2,308,91 32,702,39 1,046,867,09 46,315,88 189,829,40
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock Plant Materials & Supplies General Plant Total "Rate Base" Weighted cost of Debt @ 6.48% Annual Depreciation	\$359,118,176 (133,724,353) -37,24% 225,393,823 1,405,595 484,550 6,862,938 234,146,906 15,172,719 8,023,461	\$157,959,051 (28,300,000) -17,92% 129,659,051 277,387 3,928,783 133,865,222 8,674,466 11,763,800 43,512,754 914,301	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320 182,128 2,579,570 102,855,928 6,665,064 5,361,213 10,828,878 600,314	\$151,553,711 (75,800,000) -50.02% 75,753,711 584,408 201,463 2,853,424 79,393,006 5,144,667 3,224,792 19,656,595 664,045	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212 553,019 7,832,701 123,507,704 8,003,299 4,366,667	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300 579,938 8,213,975 324,621,993 21,035,505 11,729,447	\$70,249,947 (22,235,047) -31.65% 48,014,900 30,431 431,006 48,476,337 3,141,267 1,846,509		\$1,620,557,87 (614,506,92 1,006,050,94 5,804,83 2,308,91 32,702,39 1,046,867,09 46,315,88 189,829,40 7,610,45
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock Plant Materials & Supplies General Plant Total "Rate Base" Weighted cost of Debt @ 6.48% Annual Depreciation O&M Including Fuel Allocated A&G State Taxes	\$359,118,176 (133,724,353) -37,24% 225,393,823 1,405,595 484,550 6,862,938 234,146,906 15,172,119 8,023,461 48,399,233 1,597,134 707,208	\$157,959,051 (28,300,000) -17,92% 129,659,051 277,387 3,928,783 133,865,222 8,674,466 11,763,800 43,512,754 914,301 3,016,297	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320 182,128 2,579,570 102,855,928 6,665,064 5,361,213 10,828,878 600,314 2,256,209	\$151,553,711 (75,800,000) -50.02% 75,753,711 584,408 201,463 2,853,424 79,393,006 5,144,667 3,224,792 19,656,595 664,045 2,467,816	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212 553,019 7,832,701 123,507,704 8,003,299 4,366,667 22,731,674 1,822,816	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300 579,938 8,213,975 324,621,993 21,035,505 11,729,447 39,186,909 1,911,545	\$70,249,947 (22,235,047) -31.65% 48,014,900 30,431 431,006 48,476,337 3,141,267 1,846,509 5,513,359 100,303		\$1,620,557,87 (614,506,92 1,006,050,94 5,804,83 2,308,91 32,702,39 1,046,867,09 67,836,98 46,315,88 189,829,40 7,610,45 8,447,53
Gross Plant in Service Accumulated Depreciation Percent Depreciated Net Plant In Service Fuel Stock Plant Materials & Supplies General Plant Total "Rate Base" Weighted cost of Debt @ 6.48% Annual Depreciation O&M Including Fuel Allocated A&G	\$359,118,176 (133,724,353) -37,24% 225,393,823 1,405,595 484,550 6,862,938 234,146,906 15,172,719 8,023,461 48,399,233 1,597,134	\$157,959,051 (28,300,000) -17,92% 129,659,051 277,387 3,928,783 133,865,222 8,674,466 11,763,800 43,512,754 914,301	\$203,965,911 (104,400,000) -51.19% 99,565,911 528,320 182,128 2,579,570 102,855,928 6,665,064 5,361,213 10,828,878 600,314	\$151,553,711 (75,800,000) -50.02% 75,753,711 584,408 201,463 2,853,424 79,393,006 5,144,667 3,224,792 19,656,595 664,045	\$205,217,773 (91,700,000) -44.68% 113,517,773 1,604,212 553,019 7,832,701 123,507,704 8,003,299 4,366,667 22,731,674	\$472,493,308 (158,347,529) -33.51% 314,145,779 1,682,300 579,938 8,213,975 324,621,993 21,035,505 11,729,447 39,186,909	\$70,249,947 (22,235,047) -31.65% 48,014,900 30,431 431,006 48,476,337 3,141,267 1,846,509 5,513,359	\$54,174,383 \$30.55	\$1,620,557,87' (614,506,92' 1,006,050,94' 5,804,83: 2,308,91: 32,702,39' 1,046,867,09 67,836,98' 46,315,88' 189,829,40: 7,610,45' 8,447,53' \$374,214,64' \$29,1'

ASC Transmission

\$5.10

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2003

PNW Total	2003								
Contract System Cost	\$798,711,507								
Contract System Load (MWH)	21,684,793								
Lookback ASC (\$/MWH)	<u>\$36.83</u>								
Total Company									
Production A&G Expense	\$114,488,148								
Arizona Production State Taxes	2,193,784								
Colorado Production State Taxes	2,454,409								
Montana Production State Tax	1,250,383								
Oregon Production State Taxes	7,330,583								
Wyoming Production State Taxes	2,729,477								
Accum. Depreciation - Steam	2,117,841,268								
Accum. Depreciation - Other Prod.	44,507,176								
Annual Depreciation - Steam	129,105,941								
Annual Depreciation - Other. Prod.	9,162,337								
Fuel Stock (Account 151)	53,546,693								
Plant Materials & Supplies	40,510,552								
General Plant	550,892,409								
	Cholla	Hermiston	Colstrip	Craig	Hunter No.2	Hunter No.3	Blundell	Long-Term	Total
Year in Service	1981	1996	1984	1979	1980	1983	1984	Purchased Power	
Fuel	Coal	Natural Gas	Coal	Coal	Coal	Coal	Geo-Therm	Form 1- LF	
Capacity (kW)	414,000	237,000	155,610	172,130	285,000	495,600	26,000		1,785,340
Energy (kWh)	2,873,317,000	1,762,710,000	1,066,118,000	1,244,763,000	1,887,215,000	3,475,795,000	198,465,000	1,924,914,000	14,433,297,000
Path 3 Losses			31,983,540						31,983,540
Path 2 Losses	54,593,023	33,491,490	19,648,555	23,650,497					131,383,565
Path 1 Losses	98,091,594	77,468,989	50,075,204	42,494,715	65,675,082	120,957,666	6,906,582		461,669,833
Total Transmission Losses	152,684,617	110,960,479	101,707,299	66,145,212	65,675,082	120,957,666	6,906,582		625,036,938
Energy Delivered	2,720,632,383	1,651,749,521	964,410,701	1,178,617,788	1,821,539,918	3,354,837,334	191,558,418		13,808,260,062
Gross Plant in Service	\$363,408,956	\$160,081,455	\$206,080,409	\$165,724,177	\$202,524,188	\$477,464,371	\$70,988,904		\$1,646,272,460
Accumulated Depreciation	(143,977,993)	(32,100,000)	(107,200,000)	(80,000,000)	(91,700,000)	(171,149,551)	(24,107,056)		(650,234,600)
Percent Depreciated	-39.62%	-20.05%	-52.02%	-48.27%	-45.28%	-35.85%	-33.96%		007.027.070
Net Plant In Service Fuel Stock	219,430,963	127,981,455	98,880,409 1,502,891	85,724,177	110,824,188 2,752,547	306,314,820 4,786,534	46,881,848		996,037,860
Plant Materials & Supplies	3,998,436	1 010 196	669,180	1,662,442 740,222		7 7	111 200		14,702,849 7,677,613
General Plant	1,780,351 24,210,527	1,019,186 13,859,649	9,100,000	10,066,082	1,225,604 16,666,667	2,131,261 28,982,457	111,809 1,520,468		104,405,850
Total "Rate Base"	249,420,277	142,860,291	110,152,479	98,192,923	131,469,006	342,215,071	48,514,126		1,122,824,172
Weighted Cost of Debt @ 5.77%	14,391,550	8,243,039	6,355,798	5,665,732	7,585,762	19,745,810	2,799,265		64,786,955
Annual Depreciation	7,835,537	10,354,650	5,183,900	3,410,795	4,168,182	11,378,364	1,785,708		44,117,135
O&M Including Fuel	54,946,614	51,204,425	12,426,587	21,997,048	25,984,793	46,645,121	6,093,437		219,298,025
Allocated A&G	5,031,506	2,880,355	1,891,190	2,091,964	3,463,718	6,023,223	315,988		21,697,944
State Taxes	2,193,784	3,071,690	1,250,383	2,454,409	3,403,710	0,023,223	313,700		8,970,266
oute ruses	2,173,704	3,071,070	1,250,505	2,131,107					0,570,200
Fully Allocated Cost (\$)	\$84,398,991	\$75,754,159	\$27,107,858	\$35,619,948	\$41,202,454	\$83,792,517	\$10,994,398	\$88,705,600	\$447,575,925
Fully Allocated Cost (\$/MWh)	\$31.02	\$45.86	\$28.11	\$30.22	\$22.62	\$24.98	\$57.39	\$46.08	\$32.41
Average Cost of Post-1979 Base Load	Resources								\$32,41

ASC Transmission

\$5.09

2003 cost of serving NLSLs under Footnote (f)

537.5

#### **Cost of Serving New Large Single Loads** Footnote (f), Paragraph (3) of 1984 ASC Methodology 2004

				2004					
PNW Total	2004								
Contract System Cost	\$848,802,064								
Contract System Load (MWH)	21,479,607								
Lookback ASC (\$/MWH)	<u>\$39.52</u>								
Total Company									
Production A&G Expense	\$103,950,140								
Arizona Production State Taxes	1,867,798								
Colorado Production State Taxes	2,330,804								
Montana Production State Tax	2,365,056								
Oregon Production State Taxes	6,743,663								
Wyoming Production State Taxes	2,793,502								
Accum. Depreciation - Steam	2,194,354,359								
Accum. Depreciation - Other Prod.	54,162,163								
Annual Depreciation - Steam	133,386,063								
Annual Depreciation - Other. Prod.	9,651,444								
Fuel Stock (Account 151)	48,450,942 45,805,377								
Plant Materials & Supplies General Plant	567,849,753								
General Flant	Cholla	Hermiston	Colstrip	Craig	Hunter No.2	Hunter No.3	Blundell	Long-Term	Total
Year in Service	1981	1996	1984	1979	1980	1983	1984	Purchased Power	Total
Fuel	Coal	Natural Gas	Coal	Coal	Coal	Coal	Geo-Therm	Form 1- LF	
Capacity (kW)	414,000	237,000	155,610	172,130	285,000	495,600	26,100		1,785,440
Energy (kWh)	2,329,937,000	1,867,144,000	1,073,325,000	1,296,865,000	2,010,041,000	3,575,290,000	194,876,000	1,813,842,000	14,161,320,000
Path 3 Losses			32,199,750						32,199,750
Path 2 Losses	44,268,803	35,475,736	19,781,380	24,640,435					124,166,354
Path 1 Losses	79,541,253	82,058,738	50,413,715	44,273,415	69,949,427	124,420,092	6,781,685		457,438,325
Total Transmission Losses	123,810,056	117,534,474	102,394,844	68,913,850	69,949,427	124,420,092	6,781,685		613,804,428
Energy Delivered	2,206,126,944	1,749,609,526	970,930,156	1,227,951,150	1,940,091,573	3,450,869,908	188,094,315		13,547,515,572
Gross Plant in Service	\$371,385,007	\$159,899,784	\$207,200,604	\$161,227,793	\$203,215,303	\$476,686,215	\$71,751,524		\$1,651,366,230
Accumulated Depreciation	(161,326,490)	(37,100,000)	(112,000,000)	(67,000,000)	(96,300,000)	(188,244,036)	(26,918,036)		(688,888,561)
Percent Depreciated	-43.44%	-23.20%	-54.05%	-41.56%	-47.39%	-39.49%	-37.52%		0.4
Net Plant In Service	210,058,517	122,799,784	95,200,604	94,227,793	106,915,303	288,442,179	44,833,488		962,477,669
Fuel Stock	3,617,927	1 152 206	1,359,869	1,504,236	2,490,602	4,331,025	126,000		13,303,658
Plant Materials & Supplies General Plant	2,013,047 24,955,765	1,152,396 14,286,271	756,643 9,380,113	836,970 10,375,932	1,385,793 17,179,694	2,409,821 29,874,583	126,909 1,573,298		8,681,581 107,625,656
Total "Rate Base"	240,645,256	138,238,452	106,697,228	106,944,932	127,971,391	325,057,609	46,533,696		1,092,088,564
Weighted Cost of Debt @ 5.84%	14,053,683	8,073,126	6,231,118	6,245,584	7,473,529	18,983,364	2,717,568		63,777,972
Annual Depreciation	7,999,661	9,471,696	5,167,819	3,321,865	4,186,957	11,294,642	1,789,565		43,232,204
O&M Including Fuel	61,644,197	54,355,354	12,556,722	22,719,790	25,489,313	46,384,315	6,157,934		229,307,625
Allocated A&G	4,568,383	2,615,234	1,717,116	1,899,410	3,144,902	5,468,818	288,007		19,701,870
State Taxes	1,867,798	2,825,757	2,365,056	2,330,804	2,2 1,2 2	2,100,010			9,389,415
Fully Allocated Cost (\$)	\$90,133,722	\$77,341,167	\$28,037,831	\$36,517,453	\$40,294,700	\$82,131,140	\$10,953,073	\$80,727,702	\$446,136,788
Fully Allocated Cost (\$/MWh)	\$40.86	\$44.20	\$28.88	\$29.74	\$20.77	\$23.80	\$58.23	\$44.51	\$32.93
Average Cost of Post-1979 Base Load	Resources								\$32.93
									7.2.00

ASC Transmission

2004 cost of serving NLSLs under Footnote (f)

\$5.11 \$38.04

Bonneville Power Administration September 15, 2008

#### **Cost of Serving New Large Single Loads** Footnote (f), Paragraph (3) of 1984 ASC Methodology 2005

				2005					
PNW Total	2005								
Contract System Cost	\$884,806,392								
Contract System Load (MWH)	21,706,069								
Lookback ASC (\$/MWH)	<u>\$40.76</u>								
Total Company									
Production A&G Expense	\$101,743,393								
Arizona Production State Taxes	1,912,286								
Colorado Production State Taxes	2,229,894								
Montana Production State Tax	2,311,999								
Oregon Production State Taxes	6,605,336								
Wyoming Production State Taxes	3,032,598								
Accum. Depreciation - Steam	2,289,647,911								
Accum. Depreciation - Other Prod.	63,309,583								
Annual Depreciation - Steam	135,888,269								
Annual Depreciation - Other. Prod.	12,459,978								
Fuel Stock (Account 151)	56,631,067								
Plant Materials & Supplies	51,730,407								
General Plant	555,089,375								
	Cholla	Hermiston	Colstrip	Craig	Hunter No.2	Hunter No.3	Blundell	Long-Term	Total
Year in Service	1981	1996	1984	1980	1980	1983	1984	Purchased Power	
Fuel	Coal	Natural Gas	Coal	Coal 172,100	Coal	Coal	Geo-Therm	Form 1- LF	1,828,000
Capacity (kW)	414,000	279,600	155,600		285,000	495,600	26,100	2.062.792.000	
Energy (kWh) Path 3 Losses	2,969,570,000	1,857,143,000	1,180,949,000 35,428,470	1,378,673,000	1,970,448,000	3,382,957,000	184,820,000	2,062,783,000	14,987,343,000 35,428,470
Path 2 Losses	56,421,830	35,285,717	21.764.890	26,194,787					139,667,224
Path 1 Losses	101,377,556	81,619,206	55,468,778	47,066,242	68,571,590	117,726,904	6,431,736		478,262,012
Total Transmission Losses	157,799,386	116,904,923	112,662,138	73,261,029	68,571,590	117,726,904	6,431,736		653,357,706
Energy Delivered	2,811,770,614	1,740,238,077	1,068,286,862	1,305,411,971	1,901,876,410	3,265,230,096	178,388,264		14,333,985,294
Gross Plant in Service	\$373,752,811	\$163,549,252	\$207,889,337	\$162,779,106	\$206,489,076	\$479,688,542	\$71,589,922		\$1,665,738,046
Accumulated Depreciation	(172,421,082)	(38,900,000)	(116,200,000)	(78,358,834)	(99,400,000)	(202,048,998)	(28,718,381)		(736,047,294)
Percent Depreciated	-46.13%	-23.78%	-55.90%	-48.14%	-48.14%	-42.12%	-40.12%		(100,011,011,011,011,011,011,011,011,011
Net Plant In Service	201,331,729	124,649,252	91,689,337	84,420,272	107,089,076	277,639,544	42,871,541		929,690,752
Fuel Stock	4,228,753		1,589,357	1,757,895	2,911,098	5,062,246			15,549,348
Plant Materials & Supplies	2,273,439	1,535,395	854,462	945,070	1,565,049	2,721,537	143,326		10,038,277
General Plant	24,394,974	16,475,446	9,168,739	10,141,003	16,793,642	29,203,259	1,537,944		107,715,008
Total "Rate Base"	232,228,895	142,660,094	103,301,895	97,264,239	128,358,864	314,626,586	44,552,811		1,062,993,385
Weighted Cost of Debt @ 5.86%	13,608,613	8,359,881	6,053,491	5,699,684	7,521,829	18,437,118	2,610,795		62,291,412
Annual Depreciation	7,822,507	8,747,730	5,003,703	3,264,951	4,141,667	10,995,864	1,723,103		41,699,524
O&M Including Fuel	66,807,027	54,482,058	13,422,719	21,620,238	28,918,713	48,190,282	6,255,572		239,696,609
Allocated A&G	4,471,401	3,019,816	1,680,556	1,858,764	3,078,139	5,352,721	281,893		19,743,290
State Taxes	1,912,286	3,265,297	2,311,999	2,229,894					9,719,476
Fully Allocated Cost (\$)	\$94,621,834	\$77,874,782	\$28,472,468	\$34,673,532	\$43,660,348	\$82,975,985	\$10,871,362	\$89,714,041	\$462,864,352
Fully Allocated Cost (\$/MWh)	\$33.65	\$44.75	\$26,472,408	\$26.56	\$22.96	\$25.41	\$60.94	\$43.49	\$32.29
Average Cost of Post-1979 Base Load		φ-1-7-7-3	φ20.03	φ20.50	Ψ22.70	Ψ20.71	φυυ.54	φ+3.42	
Average Cost of 1 ost-17/7 Dase Load	ACSOULCES								\$32.29

ASC Transmission

2005 cost of serving NLSLs under Footnote (f)

\$4.82

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2006

PNW Total	2006							
Contract System Cost	\$923,135,779	1						
Contract System Load (MWH)	22,480,119							
Lookback ASC (\$/MWH)	<u>\$41.06</u>							
Total Company								
Production A&G Expense	\$103,061,250	Inflation						
Arizona Production State Taxes	1,897,626	No Change						
Colorado Production State Taxes	1,964,605	No Change						
Montana Production State Tax	2,425,273	No Change						
Oregon Production State Taxes	7,286,574	No Change						
Wyoming Production State Taxes	3,389,037	No Change						
Accum. Depreciation - Steam	2,392,612,597	2006 Accum Dep + 200	6 An Depr.					
Accum. Depreciation - Other Prod.	77,747,587	2007 Accum Dep + 200	6 An Depr.					
Annual Depreciation - Steam	139,371,552	No Change						
Annual Depreciation - Other. Prod.	20,958,435	No Change						
Fuel Stock (Account 151)	82,230,862	Inflation						
Plant Materials & Supplies	59,051,377	Inflation						
General Plant	567,408,888	Inflation						
	Cholla	Hermiston	Colstrip	Craig	Hunter No.2	Hunter No.3	Blundell	Long-Term

	Cholla	Hermiston	Colstrip	Craig	Hunter No.2	Hunter No.3	Blundell	Long-Term	Total
Year in Service	1981	1996	1984	1980	1980	1983	1984	Purchased Power	
Fuel	Coal	Natural Gas	Coal	Coal	Coal	Coal	Geo-Therm	Form 1- LF	
Capacity (kW)	414,000	279,600	155,600	172,100	285,000	495,600	26,100		1,828,000
Energy (kWh)	2,755,783,000	1,553,240,000	1,074,271,000	1,297,318,000	1,828,040,000	3,433,975,000	190,608,000	2,062,783,000	14,196,018,000
Path 3 Losses			32,228,130						32,228,130
Path 2 Losses	52,359,877	29,511,560	19,798,815	24,649,042					126,319,294
Path 1 Losses	94,079,125	68,263,034	50,458,148	44,288,880	63,615,792	119,502,330	6,633,158		446,840,467
Total Transmission Losses	146,439,002	97,774,594	102,485,092	68,937,922	63,615,792	119,502,330	6,633,158		605,387,890
Energy Delivered	2,609,343,998	1,455,465,406	971,785,908	1,228,380,078	1,764,424,208	3,314,472,670	183,974,842		13,590,630,110
Gross Plant in Service	\$374,987,610	\$164,699,339	\$210,933,841	\$164,145,097	\$216,116,465	\$480,665,665	\$72,255,112		\$1,683,803,129
Accumulated Depreciation	(180,243,588)	(47,647,730)	(121,203,703)	(81,623,785)	(103,541,667)	(213,044,862)	(30,441,483)		(777,746,818)
Percent Depreciated	-47.91%	-28.93%	-57.46%	-47.91%	-47.91%	-43.92%	-41.92%		
Net Plant In Service	194,744,022	117,051,609	89,730,138	82,521,312	112,574,798	267,620,803	41,813,629		906,056,311
Fuel Stock	6,140,339		2,307,818	2,552,542	4,227,045	7,350,609			22,578,354
Plant Materials & Supplies	2,595,180	1,752,687	975,386	1,078,818	1,786,537	3,106,694	163,609		11,458,911
General Plant	24,936,390	16,841,098	9,372,228	10,366,069	17,166,356	29,851,389	1,572,077		110,105,607
Total "Rate Base"	228,415,931	135,645,394	102,385,571	96,518,741	135,754,736	307,929,495	43,549,315		1,050,199,183
Weighted Cost of Debt @ 6.00%	13,704,956	8,138,724	6,143,134	5,791,124	8,145,284	18,475,770	2,612,959		63,011,951
Annual Depreciation	7,485,710	7,890,766	4,812,317	3,145,685	4,141,667	10,467,614	1,648,453		39,592,212
O&M	16,565,663	5,779,767	6,002,214	7,155,941	11,704,531	14,252,570	5,056,591		
Fuel	45,467,404	44,495,571	10,318,786	16,800,182	18,608,228	34,932,246	0		170,622,417
Allocated A&G	4,529,318	3,058,931	1,702,324	1,882,840	3,118,009	5,422,054	285,544		19,999,020
State Taxes	1,897,626	3,602,062	2,425,273	1,964,605					9,889,566
	400				**********	404	40.500.00	****	
Fully Allocated Cost (\$)	\$89,650,676.89	\$72,965,820.12	\$31,404,048.18	\$36,740,377.13	\$45,717,718.91	\$83,550,253.77	\$9,603,546.90	\$89,714,041.00	\$459,346,482.90
Fully Allocated Cost (\$/MWh)	\$34.36	\$50.13	\$32.32	\$29.91	\$25.91	\$25.21	\$52,20	\$43.49	\$33.80

Average Cost of Post-1979 Base Load Resources

ASC Transmission

\$33.80 \$5.74

2006 cost of serving NLSLs under Footnote (f)

<u> 339.3</u>

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2007

PNW Total	2007								
Contract System Cost	\$909,036,951								
Contract System Load (MWH)	22,424,981								
Lookback ASC (\$/MWH)	<u>\$40.54</u>								
Total Company									
Production A&G Expense	\$106,050,026	Inflation							
Arizona Production State Taxes	848,701	No Change							
Colorado Production State Taxes	848,243	No Change							
Montana Production State Tax	1,047,142	No Change							
Oregon Production State Taxes	8,248,981	No Change							
Wyoming Production State Taxes	1,498,024	No Change							
Accum. Depreciation - Steam	2,531,984,149	2006 Accum Dep + 2000	6 An Depr.						
Accum. Depreciation - Other Prod.	98,706,022	2006 Accum Dep + 2000	6 An Depr.						
Annual Depreciation - Steam	139,371,552	No Change							
Annual Depreciation - Other. Prod.	20,958,435	No Change							
Fuel Stock (Account 151)	84,615,557	Inflation							
Plant Materials & Supplies	60,763,867	Inflation							
General Plant	583,863,746	Inflation							
	Cholla	Hermiston	Colstrip	Craig	Hunter No.2	Hunter No.3	Blundell	Long-Term	Total
Year in Service	1981	1996	1984	1980	1980	1983	1984	Purchased Power	
Fuel	Coal	Natural Gas	Coal	Coal	Coal	Coal	Geo-Therm	Form 1- LF	
Capacity (kW)	414,000	279,600	155,600	172,100	285,000	495,600	26,100		1,828,000
Energy (kWh)	2,755,783,000	1,553,240,000	1,074,271,000	1,297,318,000	1,828,040,000	3,433,975,000	190,608,000	2,062,783,000	14,196,018,000
Path 3 Losses			32,228,130						32,228,130
Path 2 Losses	52,359,877	29,511,560	19,798,815	24,649,042					126,319,294
Path 1 Losses	94,079,125	68,263,034	50,458,148	44,288,880	63,615,792	119,502,330	6,633,158		446,840,467
Total Transmission Losses	146,439,002	97,774,594	102,485,092	68,937,922	63,615,792	119,502,330	6,633,158		605,387,890
Energy Delivered	2,609,343,998	1,455,465,406	971,785,908	1,228,380,078	1,764,424,208	3,314,472,670	183,974,842		13,590,630,110
Gross Plant in Service	\$374,987,610	\$164,699,339	\$210,933,841	\$164,145,097	\$216,116,465	\$480,665,665	\$72,255,112		\$1,683,803,129
Accumulated Depreciation	(187,729,298)	(55,538,496)	(126,016,020)	(84,769,470)	(107,683,333)	(223,512,476)	(32,089,936)		(817,339,030)
Percent Depreciated	-49.83%	-33.72%	-59.74%	-49.83%	-49.83%	-45.67%	-43.60%		
Net Plant In Service	187,258,312	109,160,843	84,917,821	79,375,627	108,433,132	257,153,189	40,165,176		866,464,099
Fuel Stock	6,318,409		2,374,745	2,626,566	4,349,630	7,563,777			23,233,127
Plant Materials & Supplies	2,670,440	1,803,515	1,003,673	1,110,103	1,838,346	3,196,788	168,354		11,791,219
General Plant	25,659,546	17,329,490	9,644,022	10,666,685	17,664,180	30,717,079	1,617,667		113,298,670

Average Cost of Post-1979 Base Load Resources

Total "Rate Base"

Weighted Cost of Debt @ 6.00%

**Annual Depreciation** 

O&M

Fuel

Allocated A&G

**State Taxes** 

Fully Allocated Cost (\$)

Fully Allocated Cost (\$/MWh)

ASC Transmission \$4.67

93,778,982

5,626,739

3,145,685

7,363,463

17,287,387

\$36,208,959

1,937,442

848,243

\$29.48

132,285,288

7,937,117

4,141,667

12,043,962

19,147,867

3,208,431

\$46,479,044

\$26.34

298,630,832

17,917,850

10,413,001

14,665,895

35,945,281

\$84,521,320

\$25.50

5,579,293

41,951,196

2,517,072

1,636,464

5.203.232

293,825

\$9,650,593

\$52.46

\$92,315,748

\$44.75

128,293,848

7,697,631

7,460,360

5,947,380

47,819,390

3,147,640

4,077,820

\$52.32

\$76,150,222

97,940,261

5,876,416

4,777,319

6,176,278

10,618,031

1,751,691

1,047,142

\$31.13

\$30,246,876

221,906,707

13,314,402

7,473,732

17,046,067

46,785,959

4,660,669

\$90,129,530

848,701

\$34.54

2007 cost of serving NLSLs under Footnote (f)

\$38.94

1,014,787,115

60,887,227

39,048,228

177,603,915

20,578,991

6821906.169

\$34.27

\$34.27

\$465,702,293

#### **Cost of Serving New Large Single Loads** Footnote (f), Paragraph (3) of 1984 ASC Methodology 2008

PNW Total	2008								
Contract System Cost	\$958,039,879								
Contract System Load (MWH)	22,701,406								
Lookback ASC (\$/MWH)	<u>\$42.20</u>								
Total Company									
Production A&G Expense	\$109,125,477	Inflation							
Arizona Production State Taxes	848,701	No Change							
Colorado Production State Taxes	848,243	No Change							
Montana Production State Tax	1,047,142	No Change							
Oregon Production State Taxes	8,248,981	No Change							
Wyoming Production State Taxes	1,498,024	No Change							
Accum. Depreciation - Steam	2,630,690,171	2007 Accum Dep + 2000	6 An Depr.						
Accum. Depreciation - Other Prod.	119,664,457	2007 Accum Dep + 2000	6 An Depr.						
Annual Depreciation - Steam	139,371,552	No Change							
Annual Depreciation - Other. Prod.	20,958,435	No Change							
Fuel Stock (Account 151)	87,069,408	Inflation							
Plant Materials & Supplies	62,526,019	Inflation							
General Plant	600,795,794	Inflation							
	Cholla	Hermiston	Colstrip	Craig	Hunter No.2	Hunter No.3	Blundell	Long-Term	Total
Year in Service	1981	1996	1984	1980	1980	1983	1984	Purchased Power	
Fuel	Coal	Natural Gas	Coal	Coal	Coal	Coal	Geo-Therm	Form 1- LF	
Capacity (kW)	414,000	279,600	155,600	172,100	285,000	495,600	26,100		1,828,000
Energy (kWh)	2,755,783,000	1,553,240,000	1,074,271,000	1,297,318,000	1,828,040,000	3,433,975,000	190,608,000	2,062,783,000	14,196,018,000
Path 3 Losses			32,228,130						32,228,130
Path 2 Losses	52,359,877	29,511,560	19,798,815	24,649,042					126,319,294
Path 1 Losses	94,079,125	68,263,034	50,458,148	44,288,880	63,615,792	119,502,330	6,633,158		446,840,467
Total Transmission Losses	146,439,002	97,774,594	102,485,092	68,937,922	63,615,792	119,502,330	6,633,158		605,387,890
Energy Delivered	2,609,343,998	1,455,465,406	971,785,908	1,228,380,078	1,764,424,208	3,314,472,670	183,974,842		13,590,630,110

Fuel	Coal	Natural Gas	Coal	Coal	Coal	Coal	Geo-Therm	Form 1- LF	
Capacity (kW)	414,000	279,600	155,600	172,100	285,000	495,600	26,100		1,828,000
Energy (kWh)	2,755,783,000	1,553,240,000	1,074,271,000	1,297,318,000	1,828,040,000	3,433,975,000	190,608,000	2,062,783,000	14,196,018,000
Path 3 Losses			32,228,130						32,228,130
Path 2 Losses	52,359,877	29,511,560	19,798,815	24,649,042					126,319,294
Path 1 Losses	94,079,125	68,263,034	50,458,148	44,288,880	63,615,792	119,502,330	6,633,158		446,840,467
Total Transmission Losses	146,439,002	97,774,594	102,485,092	68,937,922	63,615,792	119,502,330	6,633,158		605,387,890
Energy Delivered	2,609,343,998	1,455,465,406	971,785,908	1,228,380,078	1,764,424,208	3,314,472,670	183,974,842		13,590,630,110
Gross Plant in Service	\$374,987,610	\$164,699,339	\$210,933,841	\$164,145,097	\$216,116,465	\$480,665,665	\$72,255,112		\$1,683,803,129
Accumulated Depreciation	(195,203,030)	(62,998,856)	(130,793,339)	(87,915,155)	(111,825,000)	(233,925,477)	(33,726,401)		(856,387,258)
Percent Depreciated	-51.74%	-38.25%	-62.01%	-51.74%	-51.74%	-47.43%	-45.28%		
Net Plant In Service	179,784,580	101,700,483	80,140,502	76,229,942	104,291,465	246,740,188	38,528,711		827,415,871
Fuel Stock	6,501,643		2,443,613	2,702,736	4,475,769	7,783,126			23,906,887
Plant Materials & Supplies	2,747,883	1,855,817	1,032,779	1,142,296	1,891,659	3,289,495	173,236		12,133,164
General Plant	26,403,672	17,832,045	9,923,699	10,976,019	18,176,441	31,607,874	1,664,579		116,584,331
Total "Rate Base"	215,437,778	121,388,345	93,540,593	91,050,994	128,835,334	289,420,683	40,366,527		980,040,254
Weighted Cost of Debt @ 6.00%	12,926,267	7,283,301	5,612,436	5,463,060	7,730,120	17,365,241	2,421,992		58,802,415
Annual Depreciation	7,462,677	7,101,689	4,745,363	3,145,685	4,141,667	10,362,938	1,625,518		38,585,537
O&M	17,540,403	6,119,854	6,355,390	7,577,004	12,393,237	15,091,205	5,354,126		70,431,220
Fuel	48,142,752	51,391,499	10,925,954	17,788,722	19,703,155	36,987,694	0		184,939,774
Allocated A&G	4,795,828	3,238,922	1,802,490	1,993,628	3,301,476	5,741,093	302,346		21,175,782
State Taxes	848,701	4,077,820	1,047,142	848,243					6,821,906
Fully Allocated Cost (\$)	\$91,716,627	\$79,213,085	\$30,488,775	\$36,816,341	\$47,269,655	\$85,548,172	\$9,703,981	\$94,992,905	\$475,749,540
Fully Allocated Cost (\$/MWh)	\$35.15	\$54.42	\$31.37	\$29.97	\$26.79	\$25.81	\$52.75	\$46.05	\$35.01

Average Cost of Post-1979 Base Load Resources

\$35.01 ASC Transmission \$4.67

#### **Cost of Serving New Large Single Loads** Footnote (f), Paragraph (3) of 1984 ASC Methodology **Portland General Electric 2002**

		Boardman	390,620	
	2002	Beaver	610,700	
Contract System Cost	\$1,035,524,114	Coyote Springs	266,400	
Contract System Load (MWH)	19,710,478	Colstrip	311,200	
Lookback ASC (\$/MWH)	<u>\$52.54</u>	Total Steam Capacity	1,578,920	
		Hydro	528,800	
Production A&G Expense	\$32,529,926	Total Capacity	2,107,720	
Production Oregon State Taxes	\$10,619,471	Allocate on Oregon Capacity Total Oregon Capacity	1,796,520	
Montana Production State Tax	\$4,827,124	Direct to Colstrip		
Accumulated Depreciation		Values from Depreciation Sheet		
Annual Depreciation		Values from PGE UE 180 Filing, Exhibit 203		
Fuel Stock (Account 151)	\$19,103,484	Allocate on Coal Capacity		
Plant Materials & Supplies	\$9,480,433	Allocate on Total Capacity		
General Plant	\$70,729,216	Allocate on Total Capacity		

	Boardman	Colstrip 3 & 4	<b>Coyote Springs</b>	Long-Term	Total
Year in Service	1980	1984/1986	1995	Purchased Power	
Fuel	Coal	Coal	Natural Gas/Oil	Form 1- LF	
Capacity (kW)	390,620	311,200	266,400		968,220
Energy (kWh)	2,327,658,000	1,904,450,000	1,276,425,000	1,939,603,000	7,448,136,000
Colstrip Losses @ 3%		57,133,500			57,133,500
BPA Network Losses @ 1.9%	44,225,502	37,270,087	24,252,075		105,747,664
PGE Network Losses @ 1.6%	37,950,136	31,981,657	20,810,833		90,742,627
<b>Total Transmission Losses</b>	82,175,638	126,385,244	45,062,908		253,623,790
<b>Energy Delivered</b>	2,245,482,362	1,778,064,756	1,231,362,092		7,194,512,210
Original Cost	\$378,919,138	\$396,577,409	\$157,515,282		\$933,011,829
Accum Depreciation (est.)	(\$208,268,325)	(\$253,467,665)	(\$36,218,698)		(\$497,954,688)
Est. Net Plant In Service	\$170,650,813	\$143,109,744	\$121,296,584		\$435,057,141
Fuel Stock	\$10,132,645	\$7,970,839			\$18,103,484
Plant Materials & Supplies	\$1,756,992	\$1,399,764	\$1,198,256		\$4,355,012
General Plant	\$13,108,120	\$10,443,006	\$8,939,642		\$32,490,768
Total "Rate Base"	\$195,648,570	\$162,923,352	\$131,434,482		\$490,006,405
Weighted cost of Debt @ 6.09%	\$11,914,998	\$9,922,032	\$8,004,360		\$30,429,398
<b>Annual Depreciation</b>	\$11,270,000	\$13,704,000	\$7,402,000		\$32,376,000
O&M Including Fuel	\$52,030,980	\$21,655,438	\$58,300,857		\$131,987,275
Allocated A&G	\$6,028,713	\$4,802,969	\$4,111,539		\$14,943,221
State Taxes	\$2,309,007	\$4,827,124	\$1,574,726		\$8,710,857
Fully Allocated Cost (\$)	\$83,553,699	\$54,911,563	\$79,393,482	\$86,998,908	\$304,857,651
Fully Allocated Cost (\$/MWh)	\$35.90	\$28.83	\$62.20	\$44.85	\$42.37

Average Cost of Post-1979 Base Load Resources

\$42.37 \$4.75

ASC Transmission

\$47.12

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology Portland General Electric 2003

		Boardman	390,620	
	2003	Beaver	610,700	
Contract System Cost	\$912,436,247	Coyote Springs	266,400	
Contract System Load (MWH)	19,347,147	Colstrip	311,200	
Lookback ASC (\$/MWH)	<u>\$47.16</u>	Total Steam Capacity	1,578,920	
		Hydro	528,800	
Production A&G Expense	\$31,443,041	<b>Total Capacity</b>	2,107,720	
Production Oregon State Taxes	\$11,471,091	Allocate on Oregon Capacity Total Oregon Capacity	1,796,520	
Montana Production State Tax	\$4,785,043	Direct to Colstrip		
Accumulated Depreciation		Values from Depreciation Sheet		
Annual Depreciation		Values from Depreciation Sheet		
Fuel Stock (Account 151)	\$19,164,756	Allocate on Coal Capacity		
Plant Materials & Supplies	\$9,446,928	Allocate on Total Capacity		
General Plant	\$69,361,750	Allocate on Total Capacity		

	Boardman	Colstrip 3 & 4	<b>Coyote Springs</b>	Long-Term	Total
Year in Service	1980	1984/1986	1995	<b>Purchased Power</b>	
Fuel	Coal	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	390,620	311,200	266,400		968,220
Energy (kWh)	2,790,501,000	2,120,440,000	978,203,000	2,908,443,000	8,797,587,000
Colstrip Losses @ 3%		63,613,200			63,613,200
BPA Network Losses @ 1.9%	53,019,519	41,497,011	18,585,857		113,102,387
PGE Network Losses @ 1.6%	45,496,328	35,608,803	15,948,622		97,053,753
<b>Total Transmission Losses</b>	98,515,847	140,719,014	34,534,479		273,769,340
<b>Energy Delivered</b>	2,691,985,153	1,979,720,986	943,668,521		8,523,817,660
Original Cost	\$380,768,849	\$400,498,628	\$152,728,976		\$933,996,453
Accum Depreciation	(\$219,538,325)	(\$267,171,665)	(\$50,794,698)		(\$537,504,688)
Est. Net Plant In Service	\$161,230,524	\$133,326,963	\$101,934,278		\$396,491,765
Fuel Stock	\$10,166,748	\$7,998,008			\$18,164,756
Plant Materials & Supplies	\$1,750,782	\$1,394,817	\$1,194,021		\$4,339,620
General Plant	\$12,854,690	\$10,241,103	\$8,766,805		\$31,862,597
Total "Rate Base"	\$186,002,744	\$152,960,890	\$111,895,104		\$450,858,739
Weighted cost of Debt @ 7.47%	\$13,894,405	\$11,426,179	\$8,358,564		\$27,998,328
<b>Annual Depreciation</b>	\$11,072,500	\$12,238,000	\$7,174,000		\$30,484,500
O&M Including Fuel	\$54,923,688	\$24,848,731	\$45,797,425		\$125,569,844
Allocated A&G	\$5,827,283	\$4,642,493	\$3,974,165		\$14,443,940
State Taxes	\$2,494,176	\$4,785,043	\$1,701,010		\$8,980,229
Fully Allocated Cost (\$)	\$88,212,052	\$57,940,445	\$67,005,164	\$107,602,889	\$320,760,550
Fully Allocated Cost (\$/MWh)	\$31.61	\$27.32	\$68.50	\$37.00	\$37.63

Average Cost of Post-1979 Base Load Resources ASC Transmission \$37.63 \$4.63

2003 cost of serving NLSLs under Footnote (f)

\$42.26

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology Portland General Electric 2004

		Boardman	390,620		
	2004	Beaver	610,700		
Contract System Cost	\$826,240,595	Coyote Springs	266,400		
Contract System Load (MWH)	18,652,345	Colstrip	311,200		
Lookback ASC (\$/MWH)	<u>\$44.30</u>	Total Steam Capacity	1,578,920		
		Hydro	528,800		
Production A&G Expense	\$26,392,649	Total Capacity	2,107,720		
Production Oregon State Taxes	\$11,618,411	Allocate on Oregon Capacity Total Oregon Capacity	1,796,520		
Montana Production State Tax	\$5,218,467	Direct to Colstrip			
Accumulated Depreciation		Values from Depreciation Sheet			
Annual Depreciation		Values from PGE UE 180 Filing, Exhibit 203			
Fuel Stock (Account 151)	\$21,122,877	Allocate on Coal Capacity			
Plant Materials & Supplies	\$9,341,915	Allocate on Total Capacity			
General Plant	\$66,823,893	Allocate on Total Capacity			

	Boardman	Colstrip 3 & 4	<b>Coyote Springs</b>	Long-Term	Total
Year in Service	1980	1984/1986	1995	<b>Purchased Power</b>	
Fuel	Coal	Coal	Natural Gas/Oil	Form 1- LF	
Capacity (kW)	390,620	311,200	266,400		968,220
Energy (kWh)	2,305,031,000	2,144,340,000	1,584,656,000	3,068,354,000	9,102,381,000
Colstrip Losses @ 3%		64,330,200			64,330,200
BPA Network Losses @ 1.9%	43,795,589	41,964,734	30,108,464		115,868,787
PGE Network Losses @ 1.6%	37,581,225	36,010,159	25,836,231		99,427,616
<b>Total Transmission Losses</b>	81,376,814	142,305,093	55,944,695		279,626,603
Energy Delivered	2,223,654,186	2,002,034,907	1,528,711,305		8,822,754,397
Original Cost	\$389,278,233	\$404,678,863	\$153,219,045		\$947,176,141
Accum Depreciation (est.)	(\$230,610,825)	(\$279,409,665)	(\$50,794,698)		(\$560,815,188)
<b>Est. Net Plant In Service</b>	\$158,667,408	\$125,269,198	\$102,424,347		\$386,360,953
Fuel Stock	\$11,256,602	\$8,866,275			\$20,122,877
Plant Materials & Supplies	\$1,731,320	\$1,379,312	\$1,180,748		\$4,291,381
General Plant	\$12,384,353	\$9,866,394	\$8,446,039		\$30,696,786
Total "Rate Base"	\$184,039,684	\$145,381,179	\$112,051,134		\$441,471,997
Weighted cost of Debt @ 7.00%	\$12,882,778	\$10,176,683	\$7,843,579		\$30,903,040
<b>Annual Depreciation</b>	\$10,875,000	\$10,772,000	\$6,946,000		\$28,593,000
O&M Including Fuel	\$53,080,776	\$25,605,668	\$43,731,706		\$122,418,150
Allocated A&G	\$4,891,303	\$3,896,814	\$3,335,833		\$12,123,949
State Taxes	\$2,526,208	\$5,218,467	\$1,722,856		\$9,467,531
Fully Allocated Cost (\$)	\$84,256,065	\$55,669,631	\$63,579,974	\$112,080,452	\$315,586,122
Fully Allocated Cost (\$/MWh)	\$36.55	\$25.96	\$40.12	\$36.53	\$35.77

Average Cost of Post-1979 Base Load Resources
ASC Transmission

2004 cost of serving NLSLs under Footnote (f)

\$40.29

\$35.77

\$4.52

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology Portland General Electric 2005

		Boardman	390,620	
	2005	Beaver	610,700	
Contract System Cost	\$865,345,580	Coyote Springs	266,400	
Contract System Load (MWH)	18,417,049	Colstrip	311,200	
Lookback ASC (\$/MWH)	<u>\$46.99</u>	Total PGE Steam Capacity	1,578,920	
		PGE - Owned Hydro	528,800	
Production A&G Expense	\$32,843,148	Total Gen Capacity	2,107,720	
Production Oregon State Taxes	\$11,368,255	Allocate on Oregon Capacity Total Oregon Gen Capacity	1,796,520	
Montana Production State Tax	\$4,887,097	Direct to Colstrip		
Accumulated Depreciation		Values from Depreciation Sheet		
Annual Depreciation		Values from Depreciation Sheet		
Fuel Stock (Account 151)	\$25,157,856	Allocate on Coal Capacity		
Plant Materials & Supplies	\$9,702,191	Allocate on Total Capacity		
General Plant	\$63,723,653	Allocate on Total Capacity		
		I and the second		

	Boardman	Colstrip 3 & 4	<b>Coyote Springs</b>	Long-Term	Total
Year in Service	1980	1984/1986	1995	<b>Purchased Power</b>	
Fuel	Coal	Coal	Natural Gas	Form 1- LF	
Capacity (kW)	390,620	311,200	266,400		968,220
Energy (kWh)	2,309,497,000	2,342,695,000	1,435,683,000	3,074,655,000	9,162,530,000
Colstrip Losses @ 3%		70,280,850			70,280,850
BPA Network Losses @ 1.9%	43,880,443	45,846,541	27,277,977		117,004,961
PGE Network Losses @ 1.6%	37,654,039	39,341,158	23,407,376		100,402,573
<b>Total Transmission Losses</b>	81,534,482	155,468,549	50,685,353		287,688,384
Energy Delivered	2,227,962,518	2,187,226,451	1,384,997,647		8,874,841,616
Gross Plant in Service	\$402,358,823	\$405,146,784	\$153,459,063		\$960,964,670
Accum Depreciation (est.)	(\$241,485,825)	(\$290,181,665)	(\$57,740,698)		(\$589,408,188)
Est. Net Plant In Service	\$160,872,998	\$114,965,119	\$95,718,365		\$371,556,482
Fuel Stock	\$13,502,396	\$10,655,460			\$24,157,856
Plant Materials & Supplies	\$1,798,090	\$1,432,506	\$1,226,284		\$4,456,880
General Plant	\$11,809,791	\$9,408,650	\$8,054,192		\$29,272,634
Total "Rate Base"	\$187,983,276	\$136,461,735	\$104,998,841		\$429,443,852
Weighted cost of Debt @ 6.86%	\$12,895,653	\$9,361,275	\$7,202,921		\$29,459,848
Annual Depreciation	\$9,425,333	\$9,570,667	\$6,861,333		\$25,857,333
O&M Including Fuel	\$49,502,180	\$26,316,949	\$48,224,507		\$124,043,636
Allocated A&G	\$6,086,762	\$4,849,215	\$4,151,128		\$15,087,105
State Taxes	\$2,471,816	\$4,887,097	\$1,685,761		\$9,044,674
Fully Allocated Cost (\$)	\$80,381,745	\$54,985,203	\$68,125,649	\$114,843,522	\$318,336,119
Fully Allocated Cost (\$/MWh)	\$34.80	\$23.47	\$47.45	\$37.35	\$35.87

Average Cost of Post-1979 Base Load Resources ASC Transmission \$35.87 \$4.70

2005 cost of serving NLSLs under Footnote (f)

\$40.5

#### **Cost of Serving New Large Single Loads** Footnote (f), Paragraph (3) of 1984 ASC Methodology **Portland General Electric 2006**

		Boardman	417,430
	2006	Beaver	610,700
Contract System Cost	\$962,242,481	Coyote Springs	266,400
Contract System Load (MWH)	19,354,153	Colstrip	311,200
Lookback ASC (\$/MWH)	<u>\$49.72</u>	Total Steam Capacity	1,605,730
		Hydro	528,800
Production A&G Expense	\$30,482,864	Total Capacity	2,134,530
Production Oregon State Taxes	\$11,229,500	Allocate on Oregon Capacity Total Oregon Capacity	1,823,330
Montana Production State Tax	\$4,060,209	Direct to Colstrip	
Accumulated Depreciation		2006 Values from PGE 2006 ASC Filing	
Annual Depreciation		Values from Depreciation Sheet	
Fuel Stock (Account 151)	\$32,581,087	Allocate on Coal Capacity	
Plant Materials & Supplies	\$10,526,160	Allocate on Total Capacity	
General Plant	\$62,609,824	Allocate on Total Capacity	

	Boardman	Colstrip 3 & 4	<b>Coyote Springs</b>	Long-Term	Total
Year in Service	1980	1984/1986	1995	<b>Purchased Power</b>	
Fuel	Coal	Coal	Natural Gas	Form 1- LF	
Capacity (kW)	417,430	311,200	266,400		995,030
Energy (kWh)	1,564,573,000	2,070,261,000	1,216,613,000	3,117,635,000	7,969,082,000
Colstrip Losses @ 3%		62,107,830			62,107,830
BPA Network Losses @ 1.9%	29,726,887	40,515,008	23,115,647		93,357,542
PGE Network Losses @ 1.6%	25,508,798	34,766,141	19,835,658		80,110,598
<b>Total Transmission Losses</b>	55,235,685	137,388,979	42,951,305		235,575,970
Energy Delivered	1,509,337,315	1,932,872,021	1,173,661,695		7,733,506,030
Original Cost	\$401,863,417	\$417,427,565	\$153,542,942		\$972,833,924
Accum Depreciation	(\$250,911,158)	(\$299,752,332)	(\$64,602,031)		(\$615,265,521)
Est. Net Plant In Service	\$150,952,259	\$117,675,233	\$88,940,911		\$357,568,403
Fuel Stock	\$18,165,610	\$13,415,477			\$31,581,087
Plant Materials & Supplies	\$2,058,502	\$1,534,643	\$1,313,717		\$4,906,862
General Plant	\$12,244,016	\$9,128,088	\$7,814,019		\$29,186,122
Total "Rate Base"	\$183,420,387	\$141,753,441	\$98,068,647		\$423,242,475
Weighted cost of Debt @ 6.21%	\$11,390,406	\$8,802,889	\$6,090,063		\$26,283,358
Annual Depreciation	\$7,250,833	\$7,768,667	\$6,734,333		\$21,753,833
O&M	\$16,904,904	\$12,032,790	\$5,191,975		\$34,129,669
Fuel	\$22,218,265	\$20,614,338	\$38,539,731		\$81,372,334
Allocated A&G	\$5,961,248	\$4,444,195	\$3,804,414		\$14,209,856
State Taxes	\$2,570,862	\$4,060,209	\$1,640,701		\$8,271,772
Fully Allocated Cost (\$)	\$66,296,518	\$57,723,087	\$62,001,217	\$122,712,106	\$308,732,928
Fully Allocated Cost (\$/MWh)	\$42.37	<b>\$27.88</b>	\$50.96	\$39.36	\$39.92

Average Cost of Post-1979 Base Load Resources

\$39.92 **\$5.06** 

ASC Transmission

\$44.98

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2007

			Boardman	417,430
	2007		Beaver	610,700
Contract System Cost	\$953,881,670		Coyote Springs	266,400
Contract System Load (MWH)	20,403,772		Colstrip	311,200
Lookback ASC (\$/MWH)	<u>\$46.75</u>		Total Steam Capacity	1,605,730
			Hydro	528,800
Production A&G Expense	\$31,366,867		<b>Total Capacity</b>	2,134,530
Production Oregon State Taxes	\$11,229,500	No Change	<b>Total Oregon Capacity</b>	1,823,330
Montana Production State Tax	\$4,060,209	No Change		
Accumulated Depreciation		<b>2006 Accum Dep</b> +	- 2006 An Depr.	
Annual Depreciation		No Change		
Fuel Stock (Account 151)	\$33,525,939	Inflation		
Plant Materials & Supplies	\$10,831,419	Inflation		
General Plant	\$64,425,509	Inflation		

	Boardman	Colstrip 3 & 4	<b>Coyote Springs</b>	Long-Term	Total
Year in Service	1980	1984/1986	1995	Purchased Power	
Fuel	Coal	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	417,430	311,200	266,400		995,030
Energy (kWh)	1,564,573,000	2,070,261,000	1,216,613,000	3,117,635,000	7,969,082,000
Colstrip Losses @ 3%		62,107,830			62,107,830
BPA Network Losses @ 1.9%	29,726,887	40,515,008	23,115,647		93,357,542
PGE Network Losses @ 1.6%	25,508,798	34,766,141	19,835,658		80,110,598
<b>Total Transmission Losses</b>	55,235,685	137,388,979	42,951,305		235,575,970
<b>Energy Delivered</b>	1,509,337,315	1,932,872,021	1,173,661,695		7,733,506,030
Original Cost	\$401,863,417	\$417,427,565	\$153,542,942		\$972,833,924
Accum Depreciation	(\$258,161,991)	(\$307,520,999)	(\$71,336,364)		(\$637,019,354)
<b>Est. Net Plant In Service</b>	\$143,701,426	\$109,906,566	\$82,206,578		\$335,814,570
Fuel Stock	\$18,706,912	\$13,819,026			\$32,525,939
Plant Materials & Supplies	\$2,118,199	\$1,579,147	\$1,351,815		\$5,049,161
General Plant	\$12,599,092	\$9,392,802	\$8,040,625		\$30,032,520
Total "Rate Base"	\$177,125,629	\$134,697,542	\$91,599,018		\$403,422,189
Weighted cost of Debt @ 6.21%	\$10,999,502	\$8,364,717	\$5,688,299		\$25,052,518
<b>Annual Depreciation</b>	\$7,250,833	\$7,768,667	\$6,734,333		\$21,753,833
O&M	\$17,395,146	\$12,381,741	\$5,342,542		\$35,119,429
Fuel	\$22,862,595	\$21,212,154	\$41,418,649		\$85,493,397
Allocated A&G	\$6,134,124	\$4,573,077	\$3,914,742		\$14,621,942
State Taxes	\$2,570,862	\$4,060,209	\$1,640,701		\$8,271,772
Evily, Allocated Cost (\$)	\$67,213,062	\$58,360,564	\$64,739,266	\$126,270,757	\$316,583,649
Fully Allocated Cost (\$) Fully Allocated Cost (\$/MWh)	\$42.96	\$28.19	\$53.21	\$40.50	\$40.94

Average Cost of Post-1979 Base Load Resources

\$40.94 \$5.06

ASC Transmission

\$46.00

#### Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2008

		Boardman	417,430
	2008	Beaver	610,700
Contract System Cost	\$1,078,682,877	Coyote Springs	266,400
Contract System Load (MWH)	20,628,239	Colstrip	311,200
Lookback ASC (\$/MWH)	<u>\$52.29</u>	<b>Total Steam Capacity</b>	1,605,730
		Hydro	528,800
Production A&G Expense	\$30,482,864	<b>Total Capacity</b>	2,134,530
Production Oregon State Taxes	\$11,229,500	No Change Total Oregon Capacity	1,823,330
Montana Production State Tax	\$4,060,209	No Change	
Accumulated Depreciation		2007 Accum Dep + 2007 An Depr.	
Annual Depreciation		No Change	
Fuel Stock (Account 151)	\$32,581,087	nflation	
Plant Materials & Supplies	\$10,526,160	nflation	
General Plant	\$62,609,824	nflation	

	Boardman	Colstrip 3 & 4	<b>Coyote Springs</b>	Long-Term	Total
Year in Service	1980	1984/1986	1995	Purchased Power	
Fuel	Coal	Coal	<b>Natural Gas</b>	Form 1- LF	
Capacity (kW)	417,430	311,200	266,400		995,030
Energy (kWh)	1,564,573,000	2,070,261,000	1,216,613,000	3,117,635,000	7,969,082,000
Colstrip Losses @ 3%		62,107,830			62,107,830
BPA Network Losses @ 1.9%	29,726,887	40,515,008	23,115,647		93,357,542
PGE Network Losses @ 1.6%	25,508,798	34,766,141	19,835,658		80,110,598
<b>Total Transmission Losses</b>	55,235,685	137,388,979	42,951,305		235,575,970
<b>Energy Delivered</b>	1,509,337,315	1,932,872,021	1,173,661,695		7,733,506,030
Original Cost	\$401,863,417	\$417,427,565	\$153,542,942		\$972,833,924
Accum Depreciation	(\$265,412,825)	(\$315,289,665)	(\$78,070,698)		(\$658,773,188)
<b>Est. Net Plant In Service</b>	\$136,450,592	\$102,137,900	\$75,472,244		\$314,060,736
Fuel Stock	\$18,165,610	\$13,415,477			\$31,581,087
Plant Materials & Supplies	\$2,058,502	\$1,534,643	\$1,313,717		\$4,906,862
General Plant	\$12,244,016	\$9,128,088	\$7,814,019		\$29,186,122
Total "Rate Base"	\$168,918,720	\$126,216,108	\$84,599,980		\$379,734,808
Weighted cost of Debt @ 6.21%	\$10,489,853	\$7,838,020	\$5,253,659		\$23,581,532
<b>Annual Depreciation</b>	\$7,250,833	\$7,768,667	\$6,734,333		\$21,753,833
O&M	\$17,899,605	\$12,740,811	\$5,497,476		\$36,137,893
Fuel	\$23,525,610	\$21,827,306	\$44,512,622		\$89,865,538
Allocated A&G	\$5,961,248	\$4,444,195	\$3,804,414		\$14,209,856
State Taxes	\$2,570,862	\$4,060,209	\$1,640,701		\$8,271,772
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Fully Allocated Cost (\$)	\$67,698,011	\$58,679,208	\$67,443,204	\$129,932,609	\$323,753,033
Fully Allocated Cost (\$/MWh)	\$43.27	\$28.34	\$55.44	\$41.68	\$41.86

Average Cost of Post-1979 Base Load Resources

\$41.86 \$5.06

ASC Transmission

\$46.92

# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2002

	2002
Contract System Cost	\$971,340,638
Contract System Load (MWH)	20,216,515
Lookback ASC (\$/MWH)	<u>\$48.05</u>
Avista Colstrip Cost PacifiCorp Colstrip Cost PGE Colstrip Cost	\$27.30 \$24.66 \$28.83
Puget Colstrip Cost	<u>\$26.93</u>

	Colstrip 3 & 4	Long-Term	Total
Year in Service	1984/1986	<b>Purchased Power</b>	
Fuel	Coal	Form 1- LF	
Capacity (kW)	389,000		
Energy (kWh)	2,380,562,500	8,562,550,000	10,943,112,500
Colstrip Losses @ 2.7%	64,275,188		64,275,188
<b>BPA Network Losses @ 1.9%</b>	46,451,916		46,451,916
PSE Network Losses @ 1.38%	34,628,925		34,628,925
<b>Total Transmission Losses</b>	145,356,029		145,356,029
Energy Delivered	2,235,206,471		10,797,756,471
Fully Allocated Cost (\$)	\$64,106,194	\$197,440,989	\$261,547,183
Fully Allocated Cost (\$/MWh)	\$26.93	\$23.06	\$24.22

Average Cost of Post-1979 Base Load Resources \$24.22
ASC Transmission \$2.63
2002 cost of serving NLSLs under Footnote (f) \$26.85

# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2003

	2003
Contract System Cost	\$934,191,933
Contract System Load (MWH)	20,571,219
Lookback ASC (\$/MWH)	<u>\$45.41</u>
Avista Colstrip Cost PacifiCorp Colstrip Cost PGE Colstrip Cost	\$22.55 \$23.87 \$27.32
Puget Colstrip Cost	<u>\$24.58</u>

	Colstrip 3 & 4	Long-Term	Total
Year in Service	1984/1986	<b>Purchased Power</b>	
Fuel	Coal	Form 1- LF	
Capacity (kW)	389,000		
Energy (kWh)	2,650,550,000	7,359,563,000	10,010,113,000
Colstrip Losses @ 2.7%	71,564,850		71,564,850
<b>BPA Network Losses @ 1.9%</b>	51,720,182		51,720,182
PSE Network Losses @ 1.38%	38,556,307		38,556,307
<b>Total Transmission Losses</b>	161,841,339		161,841,339
Energy Delivered	2,488,708,661		9,848,271,661
Fully Allocated Cost (\$)	\$65,162,493	\$184,023,681	\$249,186,174
Fully Allocated Cost (\$/MWh)	\$24.58	\$25.00	\$25.30

Average Cost of Post-1979 Base Load Resources \$25.30
ASC Transmission \$3.17
2003 cost of serving NLSLs under Footnote (f) \$28.48

# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2004

	2004		
Contract System Cost	\$970,450,301		
Contract System Load (MWH)	20,870,630		
Lookback ASC (\$/MWH)	<u>\$46.50</u>		
Avista Colstrip Cost	\$26.13		
PacifiCorp Colstrip Cost	\$23.63		
PGE Colstrip Cost	\$25.96		
Puget Colstrip Cost	<u>\$25.24</u>		
	Colstrip 3 & 4	Long-Term	Total
Year in Service	Colstrip 3 & 4 1984/1986	Purchased Power	Total
Year in Service Fuel	_	Ü	Total
	1984/1986	Purchased Power	
Fuel	1984/1986 Coal	Purchased Power	
Fuel Capacity (kW)	1984/1986 Coal 389,000	Purchased Power Form 1- LF	9,171,983,000
Fuel Capacity (kW) Energy (kWh)	1984/1986 Coal 389,000 2,680,425,000	Purchased Power Form 1- LF	9,171,983,000 72,371,47
Fuel Capacity (kW) Energy (kWh) Colstrip Losses @ 2.7%	1984/1986 Coal 389,000 2,680,425,000 72,371,475	Purchased Power Form 1- LF	9,171,983,000 72,371,473 52,303,133
Fuel Capacity (kW) Energy (kWh) Colstrip Losses @ 2.7% BPA Network Losses @ 1.9%	1984/1986 Coal 389,000 2,680,425,000 72,371,475 52,303,133	Purchased Power Form 1- LF	9,171,983,000 72,371,475 52,303,133 38,990,885 163,665,493
Fuel Capacity (kW) Energy (kWh) Colstrip Losses @ 2.7% BPA Network Losses @ 1.9% PSE Network Losses @ 1.38%	1984/1986 Coal 389,000 2,680,425,000 72,371,475 52,303,133 38,990,885	Purchased Power Form 1- LF	9,171,983,000 72,371,475 52,303,133 38,990,885
Fuel Capacity (kW) Energy (kWh) Colstrip Losses @ 2.7% BPA Network Losses @ 1.9% PSE Network Losses @ 1.38% Total Transmission Losses	1984/1986 Coal 389,000 2,680,425,000 72,371,475 52,303,133 38,990,885 163,665,493	Purchased Power Form 1- LF	9,171,983,000 72,371,47: 52,303,13: 38,990,88: 163,665,49:

Average Cost of Post-1979 Base Load Resources \$21.90
ASC Transmission \$3.02
2004 cost of serving NLSLs under Footnote (f) \$24.92

# **Cost of Serving New Large Single Loads** Footnote (f), Paragraph (3) of 1984 ASC Methodology 2005

	2005
Contract System Cost	\$1,079,045,455
Contract System Load (MWH)	21,488,835
Lookback ASC (\$/MWH)	<u>\$50.21</u>
Avista Colstrip Cost	\$22.97
PacifiCorp Colstrip Cost	\$21.88
PGE Colstrip Cost	\$23.47
Puget Colstrip Cost	<u>\$22.78</u>

	Colstrip 3 & 4	Long-Term	Total
Year in Service	1984/1986	<b>Purchased Power</b>	
Fuel	Coal	Form 1- LF	
Capacity (kW)	389,000		
Energy (kWh)	2,928,368,750	6,761,467,000	9,689,835,750
Colstrip Losses @ 2.7%	79,065,956		79,065,956
<b>BPA Network Losses @ 1.9%</b>	57,141,259		57,141,259
PSE Network Losses @ 1.38%	42,597,606		42,597,606
<b>Total Transmission Losses</b>	178,804,822		178,804,822
Energy Delivered	2,749,563,928		9,511,030,928
Fully Allocated Cost (\$)	\$66,694,752	\$131,823,961	\$198,518,713
Fully Allocated Cost (\$/MWh)	\$22.78	\$19.50	\$20.87

**Average Cost of Post-1979 Base Load Resources** \$20.87 **ASC Transmission \$3.60** 

# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2006

	2000		
	2006		
Contract System Cost	\$1,225,103,922		
Contract System Load (MWH)	22,146,110		
Lookback ASC (\$/MWH)	<u>\$55.32</u>		
Avista Colstrip Cost	\$29.63		
PacifiCorp Colstrip Cost	\$26.09		
PGE Colstrip Cost	\$27.88		
Puget Colstrip Cost	<u>\$27.87</u>		
	Colstrip 3 & 4	Long-Term	Total
Year in Service	1984/1986	<b>Purchased Power</b>	
Fuel	Coal	Form 1- LF	
Capacity (kW)	389,000		
Energy (kWh)	2,587,826,250	6,935,897,000	9,523,723,250
Colstrip Losses @ 2.7%	69,871,309		69,871,309
<b>BPA Network Losses @ 1.9%</b>	50,496,254		50,496,254
PSE Network Losses @ 1.38%	37,643,894		37,643,894
<b>Total Transmission Losses</b>	158,011,456		158,011,456
<b>Energy Delivered</b>	2,429,814,794		9,365,711,794
Fully Allocated Cost (\$)	\$72,118,403	\$139,481,412	\$211,599,815
Fully Allocated Cost (\$/MWh)	\$27.87	\$20.11	\$22.59
NI CL D			\$22 ED
NLSL Resource Cost ASC Transmission			\$22.59 \$3.53
	1 17	4 (6)	
2006 cost of serving NLSI	Ls under Footno	te (1)	\$26.12

# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2007

	2007	
	2007	
Contract System Cost	\$1,148,946,127	
Contract System Load (MWH)	22,283,230	
Lookback ASC (\$/MWH)	<u>\$51.56</u>	
Avista Colstrip Cost PacifiCorp Colstrip Cost PGE Colstrip Cost Puget Colstrip Cost	\$29.82 \$31.13 \$28.19 \$29.71	
Agree a war I		
	Colstrip 3 & 4	Long-Te
Year in Service	1984/1986	Purchased 1
Fuel	Coal	Form 1-
Capacity (kW)	389,000	
Energy (kWh)	2,587,826,250	6,761

	Colstrip 3 & 4	Long-Term	Total
Year in Service	1984/1986	<b>Purchased Power</b>	
Fuel	Coal	Form 1- LF	
Capacity (kW)	389,000		
Energy (kWh)	2,587,826,250	6,761,467,000	9,349,293,250
Colstrip Losses @ 2.7%	69,871,309		69,871,309
<b>BPA Network Losses @ 1.9%</b>	50,496,254		50,496,254
PSE Network Losses @ 1.38%	37,643,894		37,643,894
<b>Total Transmission Losses</b>	158,011,456		158,011,456
Energy Delivered	2,429,814,794		9,191,281,794
Fully Allocated Cost (\$)	\$76,889,911	\$142,143,702	\$219,033,613
Fully Allocated Cost (\$/MWh)	\$29.71	\$21.02	\$23.83

NLSL Resource Cost
ASC Transmission
\$23.83

2007 cost of serving NLSLs under Footnote (f) <u>\$27.33</u>

# Cost of Serving New Large Single Loads Footnote (f), Paragraph (3) of 1984 ASC Methodology 2008

	2008
Contract System Cost	\$1,270,929,794
Contract System Load (MWH)	22,563,050
Lookback ASC (\$/MWH)	<u>\$56.33</u>
Avista Colstrip Cost PacifiCorp Colstrip Cost PGE Colstrip Cost	\$30.07 \$31.37 \$28.34
Puget Colstrip Cost	<u>\$29.93</u>

	Colstrip 3 & 4	Long-Term	Total
Year in Service	1984/1986	<b>Purchased Power</b>	
Fuel	Coal	Form 1- LF	
Capacity (kW)	389,000		
Energy (kWh)	2,587,826,250	6,935,897,000	9,523,723,250
Colstrip Losses @ 2.7%	69,871,309		69,871,309
<b>BPA Network Losses @ 1.9%</b>	50,496,254		50,496,254
PSE Network Losses @ 1.38%	37,643,894		37,643,894
<b>Total Transmission Losses</b>	158,011,456		158,011,456
Energy Delivered	2,429,814,794		9,365,711,794
Fully Allocated Cost (\$)	\$77,454,752	\$145,069,710	\$222,524,462
Fully Allocated Cost (\$/MWh)	\$29.93	\$20.92	\$23.76

NLSL Resource Cost
ASC Transmission
\$23.76
2008 cost of serving NLSLs under Footnote (f)
\$27.22

# Transmission Loss Factors for Resources 2002-2008 ASC Lookback Study

BPA Network Transmission Loss Factor	1.90%
Avista Network Loss Factor	3.00%
Colstrip Loss Factor	3.00%
Idaho Loss Factor	3.60%
Valmy Loss Factor	3.00%
PGE Loss Factor	1.60%
Puget Loss Factor	1.39%
Colstrip Loss Factor - Puget	2.70%

<b>PacifiCorp Loss Factors</b>	<b>Path</b>	<b>Loss Factor</b>	<b>Path Designation</b>
Cholla	APS to DES	2.50%	Path 2
Cholla	DES	3.48%	Path 1
Hermiston	BPA to PAC	1.90%	Path 2
Hermiston	PAC	4.48%	Path 1
Colstrip	NW to BPA	3.00%	Path 3
Colstrip	BPA to PAC	1.90%	Path 2
Colstrip	PAC	4.48%	Path 1
Craig	PSC to DES	3.00%	Path 2
Craig	DES	3.48%	Path 1
Hunter	DES	3.48%	Path 1
Blundell	DES	3.48%	Path 1

Escalation Rates		
Year	2007	2008
Inflation	2.90%	3.30%
Natural Gas	7.47%	25.26%