

Section O

20:10:13:98. Statement O -- Comparison of cost of service. Statement O shall be provided with the initial application under this chapter for a rate increase greater than \$85,000, when a material change in rate structure is proposed, or when the commission so orders. Statement O shall compare the allocated cost of service provided pursuant to § 20:10:13:43 with the revenues under the proposed rates. If the amount of revenue under the proposed new rates differs significantly from allocated cost of service, including allowances for claimed return and income taxes, the filing public utility shall show the amounts available for return and taxes on income and shall show return expressed as a percentage of rate base allocated to the service concerned. If the filing public utility considers certain facilities as being devoted entirely to the service involved, it shall show, in addition to the overall cost of service, the cost of service related to such special facilities. The schedule described in § 20:10:13:100 shall be submitted as a part of statement O.

Source: 2 SDR 90, effective July 7, 1976; 12 SDR 151, 12 SDR 155, effective July 1, 1986.

General Authority:SDCL [49-34A-4](#).

Law Implemented:SDCL [49-34A-10](#), [49-34A-12](#), [49-34A-41](#).

Black Hills Power, Inc.
South Dakota
Cost of Service Model Description

Section O

20:10:13:99. Schedule O-1 -- Derivation of increased rates. If, after the initial rate filing under this chapter the commission orders it to be provided, schedule O-1 shall show the derivation of each of the increased rates. If the increased rates are predicated on costs as classified and allocated, all calculations involved in derivation of the rates shall be shown. If in computing the increased rates weight is given in whole or in part to value of service, competition, historical revenue pattern, or the like, it shall be indicated.

Source: 2 SDR 90, effective July 7, 1976; 12 SDR 151, 12 SDR 155, effective July 1, 1986.

General Authority:SDCL [49-34A-4](#).

Law Implemented:SDCL [49-34A-10](#), [49-34A-12](#), [49-34A-41](#).

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and	
						Industrial	Lighting
	Energy Input (MWh) - (WP-1)	1	1,497,928	525,397	426,925	531,215	14,391
	Production Capacity (kW ICP)	2	303,879	107,310	107,176	86,689	2,704
	Transmission Capacity (kW ICP)	3	303,879	107,310	107,176	86,689	2,704
	Non-coincident Peaks	4	376,797	133,282	139,246	100,983	3,286
	Distribution - Secondary	5	354,682	133,282	139,246	78,868	3,286
	Customers-(Yearend #)	6	64,100	51,939	11,689	276	196
	Customers - Weighted Services (multiplier)	7	64,100	51,939	11,689	276	196
	Customers - Weighted Meters (multiplier) \$	8	640,935	336,739	270,798	32,560	838
	Weighted Bills	9	64,100	51,939	11,689	276	196
	Street Lighting (count)	10	12,147	-	-	-	12,147
	Private Area Lighting (# of cust)	11	2,509	-	-	-	2,509
	Total Production Plant (line 2006)	12	305,036,761	107,718,845	107,584,334	87,019,281	2,714,301
	Total Transmission Plant (line 2022)	13	4,021,135	1,419,999	1,418,226	1,147,129	35,781
	Total Distribution Plant (line 2040)	14	226,811,909	91,848,976	79,520,866	50,516,883	4,925,184
	Total General Plant (line 2045)	15	39,415,555	16,009,859	12,021,666	10,880,225	503,805
	Total Plant in Service (line 2046)	16	575,285,360	216,997,679	200,545,092	149,563,518	8,179,071
	Total Rate Base (line 2062)	17	271,168,123	105,189,233	93,764,366	67,694,955	4,519,569
	Subtotal Other Production Plant (line 2004)	18	71,386,217	25,208,899	25,177,420	20,364,684	635,214
	Total Lines (line 2011)	19	485,825	171,561	171,347	138,594	4,323
	Total Substations (line 2015)	20	3,535,310	1,248,438	1,246,879	1,008,535	31,458
	Subtotal Transmission Plant (line 2020)	21	4,021,135	1,419,999	1,418,226	1,147,129	35,781
	Distribution Primary	22	376,797	133,282	139,246	100,983	3,286
	Subtotal Overhead Lines (line 2029)	23	120,094,364	42,480,213	44,381,085	32,185,737	1,047,329
	Subtotal Underground Lines (line 2032)	24	35,993,410	12,731,719	13,301,429	9,646,368	313,894
	Subtotal Distribution Plant (line 2038)	25	218,852,843	88,625,900	76,730,396	48,744,193	4,752,354
	Total Production O&M (line 3020)	26	84,923,795	29,807,448	24,785,899	29,520,657	809,791
	Total Operation & Maintenance (line 3092)	27	125,806,804	46,850,184	37,742,548	39,858,482	1,355,590
	Supervised O & M Expense-No CUS (line 3082)	28	23,829,631	9,840,347	7,123,057	6,549,839	316,388
	Subtotal Trans. Operation (line 3027)	29	11,927,972	4,212,172	4,206,912	3,402,749	106,139
	Subtotal Trans. Maintenance (line 3037)	30	64,084	22,630	22,602	18,282	570
	Distribution Operation Subtotal (line 3052)	31	1,727,262	676,988	658,625	379,244	12,405
	Distribution Maintenance Subtotal (line 3067)	32	2,529,266	865,537	893,449	630,426	139,854
	Open	33	-	-	-	-	-
	Open	34	-	-	-	-	-
	Open	35	-	-	-	-	-
	Open	36	-	-	-	-	-
	Open	37	-	-	-	-	-
	Open	38	-	-	-	-	-
	Firm Revenues	39	113,498,481	44,137,258	37,267,633	30,405,628	1,687,962

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General	Large General	Lighting
					Service	Service and Industrial	
	Energy Input (MWh) - (WP-1)	1	100.00%	35.07%	28.50%	35.46%	0.96%
	Production Capacity (kW ICP)	2	100.00%	35.31%	35.27%	28.53%	0.89%
	Transmission Capacity (kW ICP)	3	100.00%	35.31%	35.27%	28.53%	0.89%
	Non-coincident Peaks	4	100.00%	35.37%	36.96%	26.80%	0.87%
	Distribution - Secondary	5	100.00%	37.58%	39.26%	22.24%	0.93%
	Customers-(Yearend #)	6	100.00%	81.03%	18.24%	0.43%	0.31%
	Customers - Weighted Services (multiplier)	7	100.00%	81.03%	18.24%	0.43%	0.31%
	Customers - Weighted Meters (multiplier) \$	8	100.00%	52.54%	42.25%	5.08%	0.13%
	Weighted Bills	9	100.00%	81.03%	18.24%	0.43%	0.31%
	Street Lighting (count)	10	100.00%	0.00%	0.00%	0.00%	100.00%
	Private Area Lighting (# of cust)	11	100.00%	0.00%	0.00%	0.00%	100.00%
	Total Production Plant (line 2006)	12	100.00%	35.31%	35.27%	28.53%	0.89%
	Total Transmission Plant (line 2022)	13	100.00%	35.31%	35.27%	28.53%	0.89%
	Total Distribution Plant (line 2040)	14	100.00%	40.50%	35.06%	22.27%	2.17%
	Total General Plant (line 2045)	15	100.00%	40.62%	30.50%	27.60%	1.28%
	Total Plant in Service (line 2046)	16	100.00%	37.72%	34.86%	26.00%	1.42%
	Total Rate Base (line 2062)	17	100.00%	38.79%	34.58%	24.96%	1.67%
	Subtotal Other Production Plant (line 2004)	18	100.00%	35.31%	35.27%	28.53%	0.89%
	Total Lines (line 2011)	19	100.00%	35.31%	35.27%	28.53%	0.89%
	Total Substations (line 2015)	20	100.00%	35.31%	35.27%	28.53%	0.89%
	Subtotal Transmission Plant (line 2020)	21	100.00%	35.31%	35.27%	28.53%	0.89%
	Distribution Primary	22	100.00%	35.37%	36.96%	26.80%	0.87%
	Subtotal Overhead Lines (line 2029)	23	100.00%	35.37%	36.96%	26.80%	0.87%
	Subtotal Underground Lines (line 2032)	24	100.00%	35.37%	36.96%	26.80%	0.87%
	Subtotal Distribution Plant (line 2038)	25	100.00%	40.50%	35.06%	22.27%	2.17%
	Total Production O&M (line 3020)	26	100.00%	35.10%	29.19%	34.76%	0.95%
	Total Operation & Maintenance (line 3092)	27	100.00%	37.24%	30.00%	31.68%	1.08%
	Supervised O & M Expense-No CUS (line 3082)	28	100.00%	41.29%	29.89%	27.49%	1.33%
	Subtotal Trans. Operation (line 3027)	29	100.00%	35.31%	35.27%	28.53%	0.89%
	Subtotal Trans. Maintenance (line 3037)	30	100.00%	35.31%	35.27%	28.53%	0.89%
	Distribution Operation Subtotal (line 3052)	31	100.00%	39.19%	38.13%	21.96%	0.72%
	Distribution Maintenance Subtotal (line 3067)	32	100.00%	34.22%	35.32%	24.93%	5.53%
	Firm Revenues	39	100.00%	38.89%	32.84%	26.79%	1.49%

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
2001 Plant in Service							
2002	Production Plant						
2003	Steam Production Plant	2	231,563,190	81,772,830	81,670,719	66,059,127	2,060,514
2004	Other Production Plant	2	71,386,217	25,208,899	25,177,420	20,364,684	635,214
2005	Unclassified Steam Production Plant	2	1,643,402	580,341	579,616	468,821	14,623
2005.1	CWIP Production & CT Plant	2	443,954	156,775	156,579	126,649	3,950
2006	Total Production Plant	CAT01	305,036,763	107,718,845	107,584,334	87,019,281	2,714,301
2007 Transmission Plant							
2008	Lines						
2009	Power Pool Service	3	485,825	171,561	171,347	138,594	4,323
2009.1	CUS Plant	3	-	-	-	-	-
2010	Direct To Jurisdiction	3	-	-	-	-	-
2011	Total Lines	CAT02	485,825	171,561	171,347	138,594	4,323
2012	Substations						
2013	Power Pool Service	3	3,535,311	1,248,438	1,246,879	1,008,535	31,458
2014	CUS Plant	3	-	-	-	-	-
2015	Total Substations	CAT03	3,535,311	1,248,438	1,246,879	1,008,535	31,458
2016	Total Lines And Substations	TOTAL01	4,021,136	1,419,999	1,418,226	1,147,129	35,781
2017	Other Transmission Plant						
2018	Power Pool Service	3	-	-	-	-	-
2019	Total Other Trans. Plant	CAT04	-	-	-	-	-
2020	Subtotal - Trans. Plant	TOTAL02	4,021,136	1,419,999	1,418,226	1,147,129	35,781
2021	Unclassified Trans. Plant plus Additions	3	-	-	-	-	-
2021	Total Unclassified Trans. Plant	CAT05	-	-	-	-	-
2022	Total Transmission Plant	TOTAL03	4,021,136	1,419,999	1,418,226	1,147,129	35,781
2023 Distribution Plant							
2024	Land And Land Rights	4	1,464,956	518,190	541,377	392,614	12,776
2025	Structures And Improvements	4	246,766	87,287	91,193	66,134	2,152
2026	Station Equipment	4	37,527,626	13,274,408	13,868,401	10,057,544	327,274
2027.1	Poles, Towers & Fixtures - Primary	22	50,975,954	18,031,399	18,838,254	13,661,746	444,555
2027.2	Poles, Towers & Fixtures - Secondary	5	-	-	-	-	-
2028.1	Overhead Conductors & Devices - Primary	22	29,879,060	10,568,929	11,041,860	8,007,699	260,572
2028.2	Overhead Conductors & Devices - Secondary	5	-	-	-	-	-
2029	Subtotal - O.H. Lines	CAT06	120,094,362	42,480,213	44,381,085	32,185,737	1,047,329
2030	Underground Conduit	22	1,340,938	474,321	495,546	359,376	11,694
2031	U.G. Conductors & Devices	22	34,652,472	12,257,398	12,805,883	9,286,992	302,200
2032	Subtotal - U.G. Lines	CAT07	35,993,410	12,731,719	13,301,429	9,646,368	313,894

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
2033	Line Transformers	5	28,618,329	10,754,163	11,235,382	6,363,623	265,138
2034	Services	7	22,184,165	17,975,403	4,045,409	95,520	67,833
2035	Meters	8	8,916,095	4,684,402	3,767,091	452,945	11,657
2036	Installations on Cust. Premises	11	1,594,956	-	-	-	1,594,956
2037	Street Lighting and Signal Systems	10	1,451,547	-	-	-	1,451,547
	Subtotal - Equipment	CAT08	62,765,092	33,413,968	19,047,882	6,912,088	3,391,131
2038	Subtotal - Dist. Plant	TOTAL04	218,852,864	88,625,900	76,730,396	48,744,193	4,752,354
2039	Unclassified Dist. Plant Plus Additions	25	7,959,066	3,223,076	2,790,470	1,772,690	172,830
2039	Total Unclassified Dist. Plant	CAT09	7,959,066	3,223,076	2,790,470	1,772,690	172,830
2040	Total Distribution Plant	TOTAL05	226,811,930	91,848,976	79,520,866	50,516,883	4,925,184
2041	Total Trans. and Dist. Plant	TOTAL06	230,833,066	93,268,975	80,939,092	51,664,012	4,960,965
2042	General Plant						
2043	Classified Plant	28	29,435,445	12,155,245	8,798,724	8,090,659	390,817
2043.1	Unclassified General Plant	28	1,703,655	703,517	509,250	468,269	22,620
2044	Plant Acquisition Adj	2	4,457,799	1,574,200	1,572,235	1,271,697	39,667
2044.2	Other Utility Plant	28	3,818,654	1,576,897	1,141,457	1,049,600	50,701
2045	Total General Plant	CAT10	39,415,553	16,009,859	12,021,666	10,880,225	503,805
2046	Total Plant in Service	TOTAL07	575,285,382	216,997,679	200,545,092	149,563,518	8,179,071
2047	Accumulated Depreciation						
2048	Production	12	154,138,286	54,431,466	54,363,496	43,971,759	1,371,565
2049	Transmission	13	795,251	280,830	280,479	226,865	7,076
2050	Distribution	14	74,941,258	30,347,956	26,274,607	16,691,358	1,627,337
2051	General	15	14,880,087	6,044,012	4,538,397	4,107,482	190,196
2051.1	Other Utility Plant	28	1,858,511	767,464	555,539	510,832	24,676
2052	Total Accumulated Depreciation	CAT11	246,613,393	91,871,728	86,012,518	65,508,296	3,220,850
2053	Net Plant	TOTAL08	328,671,989	125,125,951	114,532,574	84,055,222	4,958,221
2054	Accum amortized Wyodak & Rushmore Acquisition Adj.	2	2,448,254	864,562	863,482	698,425	21,785
2054	Accum amortized Wyodak & Rushmore Acquisition Adj.	CAT12	2,448,254	864,562	863,482	698,425	21,785
2055	Working Capital						
2056	Cash Working Capital Allowance	28	1,703,618	703,502	509,239	468,258	22,619
2057	Materials and Supplies	16	9,700,870	3,659,169	3,381,734	2,522,046	137,921
2058	Prepayments	16	1,942,052	732,542	677,001	504,897	27,611
2059	Fuel Stocks	1	5,137,901	1,802,115	1,464,355	1,822,070	49,361
2060	Total Working Capital	CAT13	18,484,441	6,897,328	6,032,329	5,317,271	237,512
2061	Other Rate Base Deductions	12	73,540,031	25,969,484	25,937,055	20,979,113	654,379
2061	Total Other Rate Base Deductions	CAT14	73,540,031	25,969,484	25,937,055	20,979,113	654,379
2062	Total Rate Base	TOTAL09	271,168,145	105,189,233	93,764,366	67,694,955	4,519,569

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
3001 Operation and Maintenance Expense							
3002 Production Expense							
3003	Operation						
3004	Steam Power Generation						
3005	Fuel	1	16,365,113	5,740,050	4,664,227	5,803,612	157,224
3006	Rents	2	-	-	-	-	-
3007	Other	2	-	-	-	-	-
3008	Other Power Generation						
3009	Fuel	1	2,172,542	762,017	619,197	770,456	20,872
3010	Other	2	-	-	-	-	-
3011	Other Power Supply						
3012	Purchased Power - Capacity	2	6,507,648	2,298,072	2,295,202	1,856,468	57,907
3013	Purchased Power - Energy	1	45,081,531	15,812,309	12,848,703	15,987,408	433,110
3014	System Cont. & Load Dispatch	2	-	-	-	-	-
3015	Total Production Operation	CAT15	70,126,834	24,612,448	20,427,329	24,417,944	669,113
3016	Maintenance						
3017	Steam Power Generation	1	12,709,538	4,457,860	3,622,350	4,507,224	122,104
3018	Other Power Generation	2	2,087,424	737,140	736,220	595,489	18,574
3019	Total Production Maintenance	CAT16	14,796,962	5,195,000	4,358,570	5,102,713	140,678
3020	Total Production O&M	TOTAL10	84,923,796	29,807,448	24,785,899	29,520,657	809,791
3021 Transmission Expense							
3022	Operation						
3023	Load Dispatching	20	-	-	-	-	-
3024	Station Expenses	20	-	-	-	-	-
3025	Overhead Line Expenses	19	2,005	708	707	572	18
3026	Transmission Expense	3	11,925,966	4,211,464	4,206,205	3,402,177	106,121
3027	Subtotal Trans. Operation	CAT17	11,927,971	4,212,172	4,206,912	3,402,749	106,139
3028	Supervision and Engineering	29	332,317	117,352	117,206	94,802	2,957
3029	Misc. Trans. Expenses	29	83,391	29,448	29,411	23,789	742
3030	Rents	3	-	-	-	-	-
3031	Total Transmission Operation	CAT18	12,343,679	4,358,972	4,353,529	3,521,340	109,838
3032	Maintenance						
3033	Structures	20	-	-	-	-	-
3034	Station Equipment	20	20,684	7,304	7,295	5,901	184
3035	Overhead Lines	19	43,399	15,326	15,307	12,381	386
3036	Underground Lines	19	-	-	-	-	-
3037	Subtotal Trans. Maintenance	CAT19	64,083	22,630	22,602	18,282	570
3038	Supervision and Engineering	30	732	258	258	209	7
3039	Misc. Trans. Plant	30	-	-	-	-	-
3040	Total Transmission Maint.	CAT20	64,815	22,888	22,860	18,491	577
3041	Total Transmission O&M	TOTAL11	12,408,494	4,381,860	4,376,389	3,539,831	110,415

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
3042 Distribution Expense							
3043	Operation						
3044	Load Dispatching	4	158,985	56,237	58,753	42,609	1,386
3045	Station Expenses	4	367,859	130,120	135,943	98,588	3,208
3046	Overhead Line Expenses	23	604,105	213,686	223,248	161,902	5,268
3047	Transformer Setting	5	-	-	-	-	-
3048	Underground Line Expenses	22	211,147	74,688	78,030	56,588	1,841
3049	Street Lighting and Sig. Exp.	10	199	-	-	-	199
3050	Meter Expenses	8	363,561	191,010	153,606	18,469	475
3051	Cust. Install. Expenses	8	21,408	11,247	9,045	1,088	28
3052	Subtotal Dist. Operation	CAT21	1,727,264	676,988	658,625	379,244	12,405
3053	Supervision and Operation	31	852,083	333,968	324,909	187,086	6,120
3054	Misc. Dist. Expenses	31	439,506	172,261	167,589	96,500	3,156
3055	Rents	31	20,907	8,194	7,972	4,590	150
3057	Total Distribution Operation	CAT22	3,039,760	1,191,411	1,159,095	667,420	21,831
3058	Maintenance						
3059	Structures	4	-	-	-	-	-
3060	Station Equipment	4	120,040	42,461	44,361	32,171	1,047
3061	Overhead Lines	23	1,997,818	706,675	738,297	535,423	17,423
3062	Underground Lines	22	179,371	63,448	66,287	48,072	1,564
3063	Line Transformers	5	9,376	3,523	3,681	2,085	87
3064	Street Light. & Signal System	10	118,719	-	-	-	118,719
3065	Meters	8	60,928	32,011	25,742	3,095	80
3066	Misc. Dist. Plant	14	43,014	17,419	15,081	9,580	934
3067	Subtotal Dist. Maintenance	CAT23	2,529,266	865,537	893,449	630,426	139,854
3068	Supervision and Engineering	32	13,431	4,596	4,744	3,348	743
3069	Total Distribution Maintenance	CAT24	2,542,697	870,133	898,193	633,774	140,597
3070	Total Distribution O&M	TOTAL12	5,582,457	2,061,544	2,057,288	1,301,194	162,428
3071	Total Trans. & Dist. O&M	TOTAL13	17,990,951	6,443,404	6,433,677	4,841,025	272,843
3072 Computer Services							
3073	Computer Services	9	-	-	-	-	-
3074	Customer Accounts	9	-	-	-	-	-
3075	Accounts 901 Through 905	9	2,118,562	1,716,630	386,332	9,122	6,478
3076	Total Comp. Exp. & Cust. Acct.	CAT25	2,118,562	1,716,630	386,332	9,122	6,478
3077 Customer Service & Information							
3078	Accounts 907 Through 910	7	870,033	704,971	158,655	3,746	2,660
3080	Total Customer Service and Info.	CAT26	870,033	704,971	158,655	3,746	2,660
3081	Subtotal O&M Expense	TOTAL14	105,903,342	38,672,453	31,764,563	34,374,550	1,091,772
3082	Supervised O&M Expense	TOTAL15	23,829,635	9,840,347	7,123,057	6,549,839	316,388

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
3083	Administrative and General Exp.						
3084	Operation						
3085	Property Insurance	16	654,694	246,951	228,227	170,208	9,308
3086	Regulatory Comm. Exp.	1	288,134	101,063	82,121	102,182	2,768
3087	Other A&G Expense	28	18,797,360	7,762,292	5,618,831	5,166,663	249,574
3088	Total A&G Operation	CAT27	19,740,188	8,110,306	5,929,179	5,439,053	261,650
3089	Maintenance						
3090	General Plant	28	163,278	67,425	48,806	44,879	2,168
3091	Total A&G Expenses	CAT28	19,903,466	8,177,731	5,977,985	5,483,932	263,818
3092	Total O&M Expenses	TOTAL16	125,806,808	46,850,184	37,742,548	39,858,482	1,355,590
3093	Total O&M Exp. Less Purch. Pwr.	TOTAL17	74,217,629	28,739,803	22,598,643	22,014,606	864,573
3094	Total O&M Exp. Less P. P. & Fuel	TOTAL18	55,679,974	22,237,736	17,315,219	15,440,538	686,477
3095	Amortization of Acquisition Adj.	2	138,580	48,937	48,876	39,533	1,233
3095	Amortization of Acquisition Adj.	CAT29	138,580	48,937	48,876	39,533	1,233
3096	Depreciation Expense						
3097	Production	12	8,032,077	2,836,399	2,832,857	2,291,349	71,472
3098	Transmission	13	373,471	131,885	131,721	106,542	3,323
3099	Distribution	14	6,841,100	2,770,348	2,398,508	1,523,690	148,553
3100	General	15	1,325,547	538,412	404,289	365,902	16,943
3100.2	Other Utility Plant	15	503,037	204,324	153,425	138,858	6,430
3101	Total Depreciation Expense	CAT30	17,075,232	6,481,368	5,920,800	4,426,341	246,721
3102	Taxes Other Than Income						
3103	Property Taxes	16	3,796,598	1,432,077	1,323,498	987,045	53,978
3104	Nebraska Tax on Trans. Plant	13	-	-	-	-	-
3105	Payroll Taxes	28	1,556,703	642,834	465,323	427,877	20,668
3106	Unemployment - Federal	28	-	-	-	-	-
3107	Unemployment - State	28	-	-	-	-	-
3108	Gross Receipts Tax	1	-	-	-	-	-
3109	Regulatory Comm. Taxes/Expenses	17	175,000	67,885	60,511	43,687	2,917
3110	Total Taxes Other Than Income	CAT31	5,528,301	2,142,796	1,849,332	1,458,609	77,563
3111	Total Oper. Exp. Before Inc. Tax	TOTAL19	148,548,921	55,523,285	45,561,556	45,782,965	1,681,107

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
4001 Other Operating Revenue							
4002	Acct. 450 - Forfeited Discounts	39	148,756	57,848	48,845	39,851	2,212
4003	Acct. 451 - Misc. Service Revenues	39	417,736	162,449	137,165	111,909	6,213
4004	Acct. 453 - Sales of Water	39	(8,229)	(3,200)	(2,702)	(2,205)	(122)
4005	Acct. 454 & 456 - Rent from Elec. Prop. & Other	17	4,686,966	1,818,128	1,620,657	1,170,064	78,118
4005.1	Acct. 407 - ECA Revenue	1	6,774,414	2,376,120	1,930,778	2,402,432	65,084
4007	Total Other Operating Revenue	CAT32	12,019,643	4,411,345	3,734,743	3,722,051	151,505
5001 Return Under Existing Rates							
5002	Revenue from Firm Sales	39	113,498,481	44,137,258	37,267,633	30,405,628	1,687,962
5002.1	Revenue from Firm Sales-Unbilled	39	66,153	25,726	21,722	17,722	984
5002.2	Revenue from Other Non-Firm	2	34,736,502	12,266,639	12,251,322	9,909,446	309,095
5003	Revenue from Contracts	2	14,684,041	5,185,434	5,178,959	4,188,986	130,663
5004	Other Operating Revenue		12,019,643	4,411,345	3,734,743	3,722,051	151,505
5005	Total Operating Revenue	CAT33	175,004,820	66,026,402	58,454,379	48,243,833	2,280,209
5006	Oper. Expense Before Income Tax	TOTAL19	148,548,921	55,523,285	45,561,556	45,782,965	1,681,107
5007	Oper. Income Before Income Tax	TOTAL20	26,455,899	10,503,117	12,892,823	2,460,868	599,102
5008 Federal Income Tax Calculation							
5009	Tax Adjustments						
5010	Interest Expense	17	3,902,384	1,513,780	1,349,364	974,199	65,041
5011	State Income Tax	1	-	-	-	-	-
5012	Other Tax Adjustments	16	41,377,500	15,607,596	14,424,241	10,757,382	588,281
5013	Total Tax Adjustments	CAT34	45,279,884	17,121,376	15,773,605	11,731,581	653,322
5014	Taxable Income	TOTAL21	(18,823,985)	(6,618,259)	(2,880,782)	(9,270,713)	(54,220)
5015	Federal Income Tax		(6,588,395)	(2,316,391)	(1,008,274)	(3,244,750)	(18,977)
5016	Deferred Federal Income Tax	16	12,546,255	4,732,448	4,373,638	3,261,793	178,375
5017	Less Inv. Tax Credit Amort.	16	(108,284)	(40,845)	(37,748)	(28,152)	(1,540)
5018	Total Federal Income Tax	CAT35	6,066,144	2,456,902	3,403,112	45,195	160,938
5019	State Income Tax	1	-	-	-	-	-
5019	State Income Tax	CAT36	-	-	-	-	-
5020	Total Operating Expense	TOTAL22	154,615,065	57,980,187	48,964,668	45,828,160	1,842,045
5021	Return to equity pretax	TOTAL23	20,389,755	8,046,215	9,489,711	2,415,673	438,164
5022	Rate Base	TOTAL09	271,168,145	105,189,233	93,764,366	67,694,955	4,519,569
5023	Rate of Return, Existing Rates		7.52%	7.65%	10.12%	3.57%	9.69%

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
6001 Proposed Revenue Increase							
6002	Revenue Increase						
6003	Revenue Under Existing Rates		113,564,634	44,162,984	37,289,355	30,423,350	1,688,946
6004	Revenue Under Proposed Rates		120,868,712	46,785,860	36,062,010	36,361,420	1,659,407
6005	Proposed Revenue Increase		4,747,532	1,704,827	(797,754)	3,859,649	(19,200)
6006	Additional Revenue with Federal Income Tax		7,304,078	2,622,876	(1,227,345)	5,938,070	(29,539)
6007 Return Under Proposed Rates							
6008	Revenue from Firm Sales		120,868,712	46,785,860	36,062,010	36,361,420	1,659,407
6009	Revenue from Non-Firm Sales		34,736,502	12,266,639	12,251,322	9,909,446	309,095
6010	Revenue from Contract Sales		14,684,041	5,185,434	5,178,959	4,188,986	130,663
6011	Other Operating Revenue		12,019,643	4,411,345	3,734,743	3,722,051	151,505
6012	Total Operating Revenue		182,308,898	68,649,278	57,227,034	54,181,903	2,250,670
6013	Operation and Maintenance Expense		125,806,808	46,850,184	37,742,548	39,858,482	1,355,590
6014	Depreciation and Amortization Expense		17,213,812	6,530,305	5,969,676	4,465,874	247,954
6015	Taxes Other than Income Tax		5,528,301	2,142,796	1,849,332	1,458,609	77,563
6016	Federal Income Tax - Existing Rates		6,066,144	2,456,902	3,403,112	45,195	160,938
6017	Federal Income Tax - Additional		2,556,546	918,049	(429,591)	2,078,421	(10,339)
6018	State Income Tax		-	-	-	-	-
6019	Total Operating Expenses		157,171,611	58,898,236	48,535,077	47,906,581	1,831,706
6020	Return		25,137,287	9,751,042	8,691,957	6,275,322	418,964
6021	Rate Base		271,168,145	105,189,233	93,764,366	67,694,955	4,519,569
6022	Rate of Return, Proposed Rates		9.27%	9.27%	9.27%	9.27%	9.27%
7001 Return Under Current Rates							
7002	Revenue from Firm Sales		113,564,634	44,162,984	37,289,355	30,423,350	1,688,946
7003	Revenue from Non-Firm Sales		34,736,502	12,266,639	12,251,322	9,909,446	309,095
7004	Revenue from Contract Sales		14,684,041	5,185,434	5,178,959	4,188,986	130,663
7005	Other Operating Revenue		12,019,643	4,411,345	3,734,743	3,722,051	151,505
7006	Total Operating Revenue		175,004,820	66,026,402	58,454,379	48,243,833	2,280,209
7007	Operation and Maintenance Expense		125,806,808	46,850,184	37,742,548	39,858,482	1,355,590
7008	Depreciation and Amortization Expense		17,213,812	6,530,305	5,969,676	4,465,874	247,954
7009	Taxes Other than Income Tax		5,528,301	2,142,796	1,849,332	1,458,609	77,563
7010	Federal Income Tax - Existing Rates		6,066,144	2,456,902	3,403,112	45,195	160,938
7011	State Income Tax		-	-	-	-	-
7012	Total Operating Expenses		154,615,065	57,980,187	48,964,668	45,828,160	1,842,045
7013	Return		20,389,755	8,046,215	9,489,711	2,415,673	438,164
7014	Rate Base		271,168,145	105,189,233	93,764,366	67,694,955	4,519,569
7015	Rate of Return, Current Rates		7.52%	7.65%	10.12%	3.57%	9.69%

BLACK HILLS POWER, INC.
PER BOOKS COST OF SERVICE ANALYSIS-RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
8001 Cost of Service and Revenue Deficiency							
8002	Rate Base		271,168,145	105,189,233	93,764,366	67,694,955	4,519,569
8003	Rate of Return		9.27%	9.27%	9.27%	9.27%	9.27%
8004	Return		25,137,287	9,751,042	8,691,957	6,275,322	418,964
8005	Operation and Maintenance Expenses		125,806,808	46,850,184	37,742,548	39,858,482	1,355,590
8006	Depreciation and Amortization Expense		17,213,812	6,530,305	5,969,676	4,465,874	247,954
8007	Taxes Other than Income Tax		5,528,301	2,142,796	1,849,332	1,458,609	77,563
8008	Federal Income Tax - Existing Rates		6,066,144	2,456,902	3,403,112	45,195	160,938
8009	State Income Tax		-	-	-	-	-
8010	Total Cost of Service		179,752,352	67,731,229	57,656,625	52,103,482	2,261,009
8011	Less: Other Operating Revenue		12,019,643	4,411,345	3,734,743	3,722,051	151,505
8012	Less: Revenue from Non-Firm Sales		34,736,502	12,266,639	12,251,322	9,909,446	309,095
8013	Less: Revenue from Contract Sales		14,684,041	5,185,434	5,178,959	4,188,986	130,663
8014	Net Cost of Service		118,312,166	45,867,811	36,491,601	34,282,999	1,669,746
8015	Revenue Under Existing Rates		113,564,634	44,162,984	37,289,355	30,423,350	1,688,946
8016 Revenue Deficiency							
8017	Amount before tax adjustment		(4,747,532)	(1,704,827)	797,754	(3,859,649)	19,200
8018	Tax Adjusted Amount Needed		(7,304,078)	(2,622,876)	1,227,345	(5,938,070)	29,539
8019	Percent Increase/(Decrease)		6.43%	5.94%	-3.29%	19.52%	-1.75%
	tax multiplier (1/(1-.35)) Federal Tax Rate at 35%		1.54	1.54	1.54	1.54	1.54

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Large General		
					Small General Service	Service and Industrial	Lighting
	Energy Input (MWh) - See WP-1	1	1,497,928	525,397	426,925	531,215	14,391
	Production Capacity (kW) See WP-2	2	303,879	107,310	107,176	86,689	2,704
	Transmission Capacity (kW ICP)	3	303,879	107,310	107,176	86,689	2,704
	Non-coincident Peaks	4	376,797	133,282	139,246	100,983	3,286
	Distribution - Secondary	5	354,682	133,282	139,246	78,868	3,286
	Customers-(Yearend #)	6	64,100	51,939	11,689	276	196
	Customers - Weighted Services (multiplier)	7	64,100	51,939	11,689	276	196
	Customers - Weighted Meters (multiplier)	8	640,935	336,739	270,798	32,560	838
	Weighted Bills	9	64,100	51,939	11,689	276	196
	Street Lighting (count)	10	12,147	-	-	-	12,147
	Private Area Lighting (# of cust)	11	2,512	-	-	-	2,512
	Total Production Plant (line 2006)	12	430,442,984	152,004,043	151,814,232	122,794,508	3,830,201
	Total Transmission Plant (line 2022)	13	4,021,135	1,419,999	1,418,226	1,147,129	35,781
	Total Distribution Plant (line 2040)	14	236,061,929	95,594,292	82,763,551	52,577,925	5,126,161
	Total General Plant (line 2045)	15	47,413,148	19,081,938	14,315,074	13,424,416	591,720
	Total Plant in Service (line 2046)	16	717,939,196	268,100,272	250,311,083	189,943,978	9,583,863
	Total Rate Base (line 2062)	17	393,433,384	148,933,462	136,540,376	102,230,322	5,729,224
	Subtotal Other Production Plant (line 2004)	18	71,386,217	25,208,899	25,177,420	20,364,684	635,214
	Total Lines (line 2011)	19	485,825	171,561	171,347	138,594	4,323
	Total Substations (line 2015)	20	3,535,310	1,248,438	1,246,879	1,008,535	31,458
	Subtotal Transmission Plant (line 2020)	21	4,021,135	1,419,999	1,418,226	1,147,129	35,781
	Distribution Primary	22	376,797	133,282	139,246	100,983	3,286
	Subtotal Overhead Lines (line 2029)	23	120,094,364	42,480,213	44,381,085	32,185,737	1,047,329
	Subtotal Underground Lines (line 2032)	24	35,993,410	12,731,719	13,301,429	9,646,368	313,894
	Subtotal Distribution Plant (line 2038)	25	218,847,254	88,623,135	76,728,069	48,743,711	4,752,339
	Total Production O&M (line 3020)	26	50,920,008	17,880,584	15,092,616	17,463,681	483,127
	Total Operation & Maintenance (line 3092)	27	96,067,238	36,622,333	29,296,454	29,072,580	1,075,871
	Supervised O & M Expense-No CUS (line 3082)	28	28,365,415	11,561,173	8,414,689	8,025,006	364,547
	Subtotal Trans. Operation (line 3027)	29	12,379,856	4,371,748	4,366,289	3,531,660	110,159
	Subtotal Trans. Maintenance (line 3037)	30	64,415	22,747	22,719	18,376	573
	Distribution Operation Subtotal (line 3052)	31	1,824,333	715,035	695,639	400,556	13,103
	Distribution Maintenance Subtotal (line 3067)	32	2,676,647	915,978	945,511	667,159	147,999
	Open	33	-	-	-	-	-
	Open	34	-	-	-	-	-
	Open	35	-	-	-	-	-
	Open	36	-	-	-	-	-
	Open	37	-	-	-	-	-
	Open	38	-	-	-	-	-
	Firm Revenues	39	113,498,481	44,137,258	37,267,633	30,405,628	1,687,962

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Large General		
					Small General Service	Service and Industrial	Lighting
	Energy Input (MWh) - See WP-1	1	100.00%	35.07%	28.50%	35.46%	0.96%
	Production Capacity (kW) See WP-2	2	100.00%	35.31%	35.27%	28.53%	0.89%
	Transmission Capacity (kW ICP)	3	100.00%	35.31%	35.27%	28.53%	0.89%
	Non-coincident Peaks	4	100.00%	35.37%	36.96%	26.80%	0.87%
	Distribution - Secondary	5	100.00%	37.58%	39.26%	22.24%	0.93%
	Customers-(Yearend #)	6	100.00%	81.03%	18.24%	0.43%	0.31%
	Customers - Weighted Services (multiplier)	7	100.00%	81.03%	18.24%	0.43%	0.31%
	Customers - Weighted Meters (multiplier)	8	100.00%	52.54%	42.25%	5.08%	0.13%
	Weighted Bills	9	100.00%	81.03%	18.24%	0.43%	0.31%
	Street Lighting (count)	10	100.00%	0.00%	0.00%	0.00%	100.00%
	Private Area Lighting (# of cust)	11	100.00%	0.00%	0.00%	0.00%	100.00%
	Total Production Plant (line 2006)	12	100.00%	35.31%	35.27%	28.53%	0.89%
	Total Transmission Plant (line 2022)	13	100.00%	35.31%	35.27%	28.53%	0.89%
	Total Distribution Plant (line 2040)	14	100.00%	40.50%	35.06%	22.27%	2.17%
	Total General Plant (line 2045)	15	100.00%	40.25%	30.19%	28.31%	1.25%
	Total Plant in Service (line 2046)	16	100.00%	37.34%	34.87%	26.46%	1.33%
	Total Rate Base (line 2062)	17	100.00%	37.85%	34.70%	25.98%	1.46%
	Subtotal Other Production Plant (line 2004)	18	100.00%	35.31%	35.27%	28.53%	0.89%
	Total Lines (line 2011)	19	100.00%	35.31%	35.27%	28.53%	0.89%
	Total Substations (line 2015)	20	100.00%	35.31%	35.27%	28.53%	0.89%
	Subtotal Transmission Plant (line 2020)	21	100.00%	35.31%	35.27%	28.53%	0.89%
	Distribution Primary	22	100.00%	35.37%	36.96%	26.80%	0.87%
	Subtotal Overhead Lines (line 2029)	23	100.00%	35.37%	36.96%	26.80%	0.87%
	Subtotal Underground Lines (line 2032)	24	100.00%	35.37%	36.96%	26.80%	0.87%
	Subtotal Distribution Plant (line 2038)	25	100.00%	40.50%	35.06%	22.27%	2.17%
	Total Production O&M (line 3020)	26	100.00%	35.12%	29.64%	34.30%	0.95%
	Total Operation & Maintenance (line 3092)	27	100.00%	38.12%	30.50%	30.26%	1.12%
	Supervised O & M Expense-No CUS (line 3082)	28	100.00%	40.76%	29.67%	28.29%	1.29%
	Subtotal Trans. Operation (line 3027)	29	100.00%	35.31%	35.27%	28.53%	0.89%
	Subtotal Trans. Maintenance (line 3037)	30	100.00%	35.31%	35.27%	28.53%	0.89%
	Distribution Operation Subtotal (line 3052)	31	100.00%	39.19%	38.13%	21.96%	0.72%
	Distribution Maintenance Subtotal (line 3067)	32	100.00%	34.22%	35.32%	24.93%	5.53%
	Firm Revenues	39	100.00%	38.89%	32.84%	26.79%	1.49%

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
2001 Plant in Service							
2002	Production Plant						
2003	Steam Production Plant	2	349,161,551	123,300,807	123,146,839	99,606,968	3,106,937
2004	Other Production Plant	2	71,386,217	25,208,899	25,177,420	20,364,684	635,214
2005	Unclassified Steam Production Plant	2	9,451,263	3,337,562	3,333,394	2,696,207	84,100
2005.1	CWIP Production & CT Plant	2	443,954	156,775	156,579	126,649	3,950
2006	Total Production Plant	CAT01	430,442,985	152,004,043	151,814,232	122,794,508	3,830,201
2007 Transmission Plant							
2008	Lines						
2009	Power Pool Service	3	485,825	171,561	171,347	138,594	4,323
2010	Direct To Jurisdiction	3	-	-	-	-	-
2011	Total Lines	CAT02	485,825	171,561	171,347	138,594	4,323
2012	Substations						
2013	Power Pool Service	3	3,535,311	1,248,438	1,246,879	1,008,535	31,458
2014	CUS Plant	3	-	-	-	-	-
2015	Total Substations	CAT03	3,535,311	1,248,438	1,246,879	1,008,535	31,458
2016	Total Lines And Substations	TOTAL01	4,021,136	1,419,999	1,418,226	1,147,129	35,781
2017	Other Transmission Plant						
2018	Power Pool Service	3	-	-	-	-	-
2019	Total Other Trans. Plant	CAT04	-	-	-	-	-
2020	Subtotal - Trans. Plant	TOTAL02	4,021,136	1,419,999	1,418,226	1,147,129	35,781
2021	Unclassified Trans. Plant plus Additions	3	-	-	-	-	-
2021	Total Unclassified Trans. Plant	CAT05	-	-	-	-	-
2022	Total Transmission Plant	TOTAL03	4,021,136	1,419,999	1,418,226	1,147,129	35,781
2023 Distribution Plant							
2024	Land And Land Rights	4	1,464,956	518,190	541,377	392,614	12,776
2025	Structures And Improvements	4	246,766	87,287	91,193	66,134	2,152
2026	Station Equipment	4	37,527,626	13,274,408	13,868,401	10,057,544	327,274
2027.1	Poles, Towers & Fixtures - Primary	22	50,975,954	18,031,399	18,838,254	13,661,746	444,555
2027.2	Poles, Towers & Fixtures - Secondary	5	-	-	-	-	-
2028.1	Overhead Conductors & Devices - Primary	22	29,879,060	10,568,929	11,041,860	8,007,699	260,572
2028.2	Overhead Conductors & Devices - Secondary	5	-	-	-	-	-

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Large General		
					Small General Service	Service and Industrial	Lighting
2029	Subtotal - O.H. Lines	CAT06	120,094,362	42,480,213	44,381,085	32,185,737	1,047,329
2030	Underground Conduit	22	1,340,938	474,321	495,546	359,376	11,694
2031	U.G. Conductors & Devices	22	34,652,472	12,257,398	12,805,883	9,286,992	302,200
2032	Subtotal - U.G. Lines	CAT07	35,993,410	12,731,719	13,301,429	9,646,368	313,894
2033	Line Transformers	5	28,617,178	10,753,731	11,234,930	6,363,367	265,128
2034	Services	7	22,184,165	17,975,403	4,045,409	95,520	67,833
2035	Meters	8	8,911,656	4,682,069	3,765,216	452,719	11,652
2036	Installations on Cust. Premises	11	1,594,956	-	-	-	1,594,956
2037	Street Lighting and Signal Systems	10	1,451,547	-	-	-	1,451,547
	Subtotal - Equipment	CAT08	62,759,502	33,411,203	19,045,555	6,911,606	3,391,116
2038	Subtotal - Dist. Plant	TOTAL04	218,847,274	88,623,135	76,728,069	48,743,711	4,752,339
2039	Unclassified Dist. Plant Plus Additions	25	17,214,675	6,971,157	6,035,482	3,834,214	373,822
2039	Total Unclassified Dist. Plant	CAT09	17,214,675	6,971,157	6,035,482	3,834,214	373,822
2040	Total Distribution Plant	TOTAL05	236,061,949	95,594,292	82,763,551	52,577,925	5,126,161
2041	Total Trans. and Dist. Plant	TOTAL06	240,083,085	97,014,291	84,181,777	53,725,054	5,161,942
2042	General Plant						
2043	Classified Plant	28	31,765,354	12,946,921	9,423,292	8,986,900	408,242
2043.1	Unclassified General Plant	28	4,619,838	1,882,953	1,370,489	1,307,022	59,373
2044	Plant Acquisition Adj	2	4,457,799	1,574,200	1,572,235	1,271,697	39,667
2044.1	Other Utility Plant	28	6,570,158	2,677,864	1,949,058	1,858,797	84,438
2045	Total General Plant	CAT10	47,413,149	19,081,938	14,315,074	13,424,416	591,720
2046	Total Plant in Service	TOTAL07	717,939,219	268,100,272	250,311,083	189,943,978	9,583,863
2047	Accumulated Depreciation						
2048	Production	12	154,278,684	54,481,045	54,413,014	44,011,811	1,372,814
2049	Transmission	13	808,405	285,475	285,119	230,618	7,193
2050	Distribution	14	74,832,727	30,303,834	26,236,430	16,667,446	1,625,017
2051	General	15	15,923,310	6,408,510	4,807,598	4,508,478	198,724
2051.1	Other Utility Plant	28	2,338,446	953,104	693,707	661,582	30,053
2052	Total Accumulated Depreciation	CAT11	248,181,572	92,431,968	86,435,868	66,079,935	3,233,801
2053	Net Plant	TOTAL08	469,757,647	175,668,304	163,875,215	123,864,043	6,350,062
2054	Accum amortized Wyodak & Rushmore Acquisition Adj.	2	2,448,254	864,562	863,482	698,425	21,785

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

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Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
2054	Accum amortized Wyodak & Rushmore Acquisition Adj.	CAT12	2,448,254	864,562	863,482	698,425	21,785
2055 Working Capital							
2056	Cash Working Capital Allowance	28	(433,203)	(176,565)	(128,511)	(122,560)	(5,567)
2057	Materials and Supplies	16	10,622,136	3,966,628	3,703,431	2,810,281	141,796
2058	Prepayments	16	1,948,768	727,729	679,442	515,582	26,014
2059	Fuel Stocks	1	5,751,740	2,017,418	1,639,305	2,039,758	55,259
2060	Total Working Capital	CAT13	17,889,441	6,535,210	5,893,667	5,243,061	217,502
2061	Other Rate Base Deductions	12	73,540,031	25,969,484	25,937,055	20,979,113	654,380
2061.2	Deferred Tax- Bonus Depreciation	12	18,225,394	6,436,006	6,427,969	5,199,244	162,175
2061	Total Other Rate Base Deductions	CAT14	91,765,425	32,405,490	32,365,024	26,178,357	816,555
2062	Total Rate Base	TOTAL09	393,433,409	148,933,462	136,540,376	102,230,322	5,729,224
3001 Operation and Maintenance Expense							
3002 Production Expense							
3003	Operation						
3004	Steam Power Generation						
3005	Fuel	1	18,117,134	6,354,570	5,163,571	6,424,937	174,056
3006	Rents	2	-	-	-	-	-
3007	Other	2	-	-	-	-	-
3008	Other Power Generation		-	-	-	-	-
3009	Fuel	1	321,204	112,662	91,546	113,910	3,086
3010	Other	2	-	-	-	-	-
3011	Other Power Supply		-	-	-	-	-
3012	Purchased Power - Capacity	2	6,507,648	2,298,072	2,295,202	1,856,468	57,907
3013	Purchased Power - Energy	1	7,259,213	2,546,163	2,068,951	2,574,358	69,741
3014	System Cont. & Load Dispatch	2	-	-	-	-	-
3015	Total Production Operation	CAT15	32,205,199	11,311,467	9,619,270	10,969,673	304,790
3016	Maintenance						
3017	Steam Power Generation	1	16,654,724	5,841,631	4,746,769	5,906,318	160,006
3018	Other Power Generation	2	2,060,084	727,486	726,577	587,690	18,331
3019	Total Production Maintenance	CAT16	18,714,808	6,569,117	5,473,346	6,494,008	178,337
3020	Total Production O&M	TOTAL10	50,920,007	17,880,584	15,092,616	17,463,681	483,127

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

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Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
3021 Transmission Expense							
3022	Operation						
3023	Load Dispatching	20	-	-	-	-	-
3024	Station Expenses	20	-	-	-	-	-
3025	Overhead Line Expenses	19	2,147	758	757	612	19
3026	Transmission Expense	3	12,377,711	4,370,990	4,365,532	3,531,048	110,140
3027	Subtotal Trans. Operation	CAT17	12,379,858	4,371,748	4,366,289	3,531,660	110,159
3028	Supervision and Engineering	29	355,850	125,663	125,506	101,515	3,166
3029	Misc. Trans. Expenses	29	89,296	31,533	31,494	25,474	795
3030	Rents	3	-	-	-	-	-
3031	Total Transmission Operation	CAT18	12,825,004	4,528,944	4,523,289	3,658,649	114,120
3032 Maintenance							
3033	Structures	20	-	-	-	-	-
3034	Station Equipment	20	20,791	7,342	7,333	5,931	185
3035	Overhead Lines	19	43,623	15,405	15,386	12,445	388
3036	Underground Lines	19	-	-	-	-	-
3037	Subtotal Trans. Maintenance	CAT19	64,414	22,747	22,719	18,376	573
3038	Supervision and Engineering	30	736	260	260	210	7
3039	Misc. Trans. Plant	30	-	-	-	-	-
3040	Total Transmission Maint.	CAT20	65,150	23,007	22,979	18,586	580
3041	Total Transmission O&M	TOTAL11	12,890,154	4,551,951	4,546,268	3,677,235	114,700
3042 Distribution Expense							
3043	Operation						
3044	Load Dispatching	4	167,920	59,397	62,055	45,003	1,464
3045	Station Expenses	4	388,532	137,433	143,583	104,128	3,388
3046	Overhead Line Expenses	23	638,055	225,695	235,794	171,001	5,564
3047	Transformer Setting	5	-	-	-	-	-
3048	Underground Line Expenses	22	223,013	78,885	82,415	59,768	1,945
3049	Street Lighting and Sig. Exp.	10	210	-	-	-	210
3050	Meter Expenses	8	383,993	201,745	162,239	19,507	502
3051	Cust. Install. Expenses	8	22,611	11,880	9,553	1,149	30
3052	Subtotal Dist. Operation	CAT21	1,824,334	715,035	695,639	400,556	13,103

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

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Ref. #	Description	Allocation		Residential	Small General Service	Large General Service and		Lighting
		Factor	Total South Dakota			Industrial		
3053	Supervision and Operation	31	899,970	352,737	343,169	197,600	6,464	
3054	Misc. Dist. Expenses	31	464,206	181,942	177,007	101,922	3,334	
3055	Rents	31	22,082	8,655	8,420	4,848	159	
3057	Total Distribution Operation	CAT22	3,210,592	1,258,369	1,224,235	704,926	23,060	
3058	Maintenance							
3059	Structures	4	-	-	-	-	-	
3060	Station Equipment	4	127,031	44,934	46,945	34,045	1,108	
3061	Overhead Lines	23	2,114,169	747,832	781,295	566,605	18,437	
3062	Underground Lines	22	189,817	67,143	70,147	50,872	1,655	
3063	Line Transformers	5	9,921	3,728	3,895	2,206	92	
3064	Street Light. & Signal System	10	125,633	-	-	-	125,633	
3065	Meters	8	64,477	33,875	27,242	3,275	84	
3066	Misc. Dist. Plant	14	45,599	18,466	15,987	10,156	990	
3067	Subtotal Dist. Maintenance	CAT23	2,676,647	915,978	945,511	667,159	147,999	
3068	Supervision and Engineering	32	14,214	4,864	5,021	3,543	786	
3069	Total Distribution Maintenance	CAT24	2,690,861	920,842	950,532	670,702	148,785	
3070	Total Distribution O&M	TOTAL12	5,901,453	2,179,211	2,174,767	1,375,628	171,845	
3071	Total Trans. & Dist. O&M	TOTAL13	18,791,607	6,731,162	6,721,035	5,052,863	286,545	
3072	Computer Services							
3073	Computer Services	9	-	-	-	-	-	
3074	Customer Accounts	9	-	-	-	-	-	
3075	Accounts 901 Through 905	9	2,286,498	1,852,705	416,956	9,845	6,991	
3076	Total Comp. Exp. & Cust. Acct.	CAT25	2,286,498	1,852,705	416,956	9,845	6,991	
3077	Customer Service & Information							
3078	Accounts 907 Through 910	7	972,297	787,834	177,304	4,186	2,973	
3080	Total Customer Service and Info.	CAT26	972,297	787,834	177,304	4,186	2,973	
3081	Subtotal O&M Expense	TOTAL14	72,970,409	27,252,285	22,407,911	22,530,575	779,636	
3082	Supervised O&M Expense	TOTAL15	28,365,417	11,561,173	8,414,689	8,025,006	364,547	
3083	Administrative and General Exp.							
3084	Operation							
3085	Property Insurance	16	775,643	289,649	270,430	205,211	10,354	

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
3086	Regulatory Comm. Exp.	1	303,859	106,578	86,603	107,758	2,919
3087	Other A&G Expense	28	21,842,779	8,902,678	6,479,729	6,179,653	280,719
3088	Total A&G Operation	CAT27	22,922,281	9,298,905	6,836,762	6,492,622	293,992
3089	Maintenance						
3090	General Plant	28	174,549	71,143	51,781	49,383	2,243
3091	Total A&G Expenses	CAT28	23,096,830	9,370,048	6,888,543	6,542,005	296,235
3092	Total O&M Expenses	TOTAL16	96,067,239	36,622,333	29,296,454	29,072,580	1,075,871
3093	Total O&M Exp. Less Purch. Pwr.	TOTAL17	82,300,378	31,778,098	24,932,301	24,641,754	948,223
3094	Total O&M Exp. Less P. P. & Fuel	TOTAL18	63,862,040	25,310,866	19,677,184	18,102,907	771,081
3095	Amortization of Acquisition Adj.	2	138,580	48,937	48,876	39,533	1,233
3095	Amortization of Acquisition Adj.	CAT29	138,580	48,937	48,876	39,533	1,233
3096	Depreciation Expense						
3097	Production	12	11,511,548	4,065,119	4,060,043	3,283,954	102,433
3098	Transmission	13	239,327	84,514	84,409	68,274	2,130
3099	Distribution	14	6,538,227	2,647,683	2,292,309	1,456,255	141,980
3100	General	15	1,679,959	676,118	507,217	475,659	20,966
3100.2	Other Utility Plant	15	1,267,135	509,972	382,576	358,773	15,814
3101	Total Depreciation Expense	CAT30	21,236,196	7,983,406	7,326,554	5,642,915	283,323
3102	Taxes Other Than Income						
3103	Property Taxes	16	4,730,955	1,766,682	1,649,458	1,251,661	63,154
3104	Nebraska Tax on Trans. Plant	13	-	-	-	-	-
3105	Payroll Taxes	28	1,751,693	713,955	519,645	495,581	22,512
3106	Unemployment - Federal	28	-	-	-	-	-
3107	Unemployment - State	28	-	-	-	-	-
3108	Gross Receipts Tax	1	-	-	-	-	-
3109	Regulatory Comm. Taxes/Expenses	17	214,931	81,362	74,591	55,848	3,130
3110	Total Taxes Other Than Income	CAT31	6,697,579	2,561,999	2,243,694	1,803,090	88,796
3111	Total Oper. Exp. Before Inc. Tax	TOTAL19	124,139,594	47,216,675	38,915,578	36,558,118	1,449,223
4001	Other Operating Revenue						
4002	Acct. 450 - Forfeited Discounts	39	148,756	57,848	48,845	39,851	2,212

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Large General		Lighting
					Small General Service	Service and Industrial	
4003	Acct. 451 - Misc. Service Revenues	39	2,161,226	840,457	709,646	578,981	32,142
4004	Acct. 453 - Sales of Water	39	(8,229)	(3,200)	(2,702)	(2,205)	(122)
4005	Acct. 454 & 456 - Rent from Elec. Prop. & Other	17	4,686,966	1,774,242	1,626,603	1,217,868	68,252
4005.1	Acct. 407 - ECA Revenue	1	-	-	-	-	-
4007	Total Other Operating Revenue	CAT32	6,988,719	2,669,347	2,382,392	1,834,495	102,484
5001 Return Under Existing Rates							
5002	Revenue from Firm Sales	39	113,498,481	44,137,258	37,267,633	30,405,628	1,687,962
5002.1	Revenue from Firm Sales-Unbilled	39	66,153	25,726	21,722	17,722	984
5002.2	Revenue from Other Non-Firm	2	-	-	-	-	-
5003	Revenue from Contracts	2	13,967,955	4,932,560	4,926,400	3,984,705	124,291
5004	Other Operating Revenue		6,988,719	2,669,347	2,382,392	1,834,495	102,484
5005	Total Operating Revenue	CAT33	134,521,308	51,764,891	44,598,147	36,242,550	1,915,721
5006	Oper. Expense Before Income Tax	TOTAL19	124,139,594	47,216,675	38,915,578	36,558,118	1,449,223
5007	Oper. Income Before Income Tax	TOTAL20	10,381,714	4,548,216	5,682,569	(315,568)	466,498
5008 Federal Income Tax Calculation							
5009	Tax Adjustments						
5010	Interest Expense	17	12,943,959	4,899,911	4,492,179	3,363,378	188,491
5011	State Income Tax	1	-	-	-	-	-
5012	Other Tax Adjustments	16	36,701,000	13,705,267	12,795,885	9,709,922	489,926
5013	Total Tax Adjustments	CAT34	49,644,959	18,605,178	17,288,064	13,073,300	678,417
5014	Taxable Income	TOTAL21	(39,263,245)	(14,056,962)	(11,605,495)	(13,388,868)	(211,919)
5015	Federal Income Tax		(13,742,135)	(4,919,936)	(4,061,923)	(4,686,104)	(74,172)
5016	Deferred Federal Income Tax	16	12,735,433	4,755,797	4,440,237	3,369,392	170,007
5017	Less Inv. Tax Credit Amort.	16	(109,917)	(41,046)	(38,323)	(29,081)	(1,467)
5018	Total Federal Income Tax	CAT35	(896,785)	(123,093)	416,637	(1,287,631)	97,302
5019	State Income Tax	1	-	-	-	-	-
5019	State Income Tax	CAT36	-	-	-	-	-
5020	Total Operating Expense	TOTAL22	123,242,809	47,093,582	39,332,215	35,270,487	1,546,525
5021	Return to equity pretax	TOTAL23	11,278,499	4,671,309	5,265,932	972,063	369,196
5022	Rate Base	TOTAL09	393,433,409	148,933,462	136,540,376	102,230,322	5,729,224
5023	Rate of Return, Existing Rates		2.87%	3.14%	3.86%	0.95%	6.44%

6001 Proposed Revenue Increase

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
6002	Revenue Increase						
6003	Revenue Under Existing Rates		113,564,634	44,162,984	37,289,355	30,423,350	1,688,946
6004	Revenue Under Proposed Rates		152,323,723	58,216,909	48,660,964	43,507,812	1,938,034
6005	Proposed Revenue Increase		25,192,778	9,134,823	7,391,361	8,504,688	161,903
6006	Additional Revenue with Federal Income Tax		38,759,089	14,053,925	11,371,609	13,084,462	249,088
6007 Return Under Proposed Rates							
6008	Revenue from Firm Sales		152,323,723	58,216,909	48,660,964	43,507,812	1,938,034
6009	Revenue from Non-Firm Sales		-	-	-	-	-
6010	Revenue from Contract Sales		13,967,955	4,932,560	4,926,400	3,984,705	124,291
6011	Other Operating Revenue		6,988,719	2,669,347	2,382,392	1,834,495	102,484
6012	Total Operating Revenue		173,280,397	65,818,816	55,969,756	49,327,012	2,164,809
6013	Operation and Maintenance Expense		96,067,239	36,622,333	29,296,454	29,072,580	1,075,871
6014	Depreciation and Amortization Expense		21,374,776	8,032,343	7,375,430	5,682,448	284,556
6015	Taxes Other than Income Tax		6,697,579	2,561,999	2,243,694	1,803,090	88,796
6016	Federal Income Tax - Existing Rates		(896,785)	(123,093)	416,637	(1,287,631)	97,302
6017	Federal Income Tax - Additional		13,566,311	4,919,102	3,980,248	4,579,774	87,185
6018	State Income Tax		-	-	-	-	-
6019	Total Operating Expenses		136,809,120	52,012,684	43,312,463	39,850,261	1,633,710
6020	Return		36,471,277	13,806,132	12,657,293	9,476,751	531,099
6021	Rate Base		393,433,409	148,933,462	136,540,376	102,230,322	5,729,224
6022	Rate of Return, Proposed Rates		9.27%	9.27%	9.27%	9.27%	9.27%
7001 Return Under Current Rates							
7002	Revenue from Firm Sales		113,564,634	44,162,984	37,289,355	30,423,350	1,688,946
7003	Revenue from Non-Firm Sales		-	-	-	-	-
7004	Revenue from Contract Sales		13,967,955	4,932,560	4,926,400	3,984,705	124,291
7005	Other Operating Revenue		6,988,719	2,669,347	2,382,392	1,834,495	102,484
7006	Total Operating Revenue		134,521,308	51,764,891	44,598,147	36,242,550	1,915,721
7007	Operation and Maintenance Expense		96,067,239	36,622,333	29,296,454	29,072,580	1,075,871
7008	Depreciation and Amortization Expense		21,374,776	8,032,343	7,375,430	5,682,448	284,556
7009	Taxes Other than Income Tax		6,697,579	2,561,999	2,243,694	1,803,090	88,796
7010	Federal Income Tax - Existing Rates		(896,785)	(123,093)	416,637	(1,287,631)	97,302

BLACK HILLS POWER, INC.
ADJUSTED COST OF SERVICE ANALYSIS - RATE CLASS
FOR THE TEST YEAR ENDED JUNE 30, 2009

Ref. #	Description	Allocation Factor	Total South Dakota	Residential	Small General Service	Large General Service and Industrial	Lighting
7011	State Income Tax		-	-	-	-	-
7012	Total Operating Expenses		123,242,809	47,093,582	39,332,215	35,270,487	1,546,525
7013	Return		11,278,499	4,671,309	5,265,932	972,063	369,196
7014	Rate Base		393,433,409	148,933,462	136,540,376	102,230,322	5,729,224
7015	Rate of Return, Current Rates		2.87%	3.14%	3.86%	0.95%	6.44%
8001 Cost of Service and Revenue Deficiency							
8002	Rate Base		393,433,409	148,933,462	136,540,376	102,230,322	5,729,224
8003	Rate of Return		9.27%	9.27%	9.27%	9.27%	9.27%
8004	Return		36,471,277	13,806,132	12,657,293	9,476,751	531,099
8005	Operation and Maintenance Expenses		96,067,239	36,622,333	29,296,454	29,072,580	1,075,871
8006	Depreciation and Amortization Expense		21,374,776	8,032,343	7,375,430	5,682,448	284,556
8007	Taxes Other than Income Tax		6,697,579	2,561,999	2,243,694	1,803,090	88,796
8008	Federal Income Tax - Existing Rates		(896,785)	(123,093)	416,637	(1,287,631)	97,302
8009	State Income Tax		-	-	-	-	-
8010	Total Cost of Service		159,714,086	60,899,714	51,989,508	44,747,238	2,077,624
8011	Less: Other Operating Revenue		6,988,719	2,669,347	2,382,392	1,834,495	102,484
8012	Less: Revenue from Non-Firm Sales		-	-	-	-	-
8013	Less: Revenue from Contract Sales		13,967,955	4,932,560	4,926,400	3,984,705	124,291
8014	Net Cost of Service		138,757,412	53,297,807	44,680,716	38,928,038	1,850,849
8015	Revenue Under Existing Rates		113,564,634	44,162,984	37,289,355	30,423,350	1,688,946
8016 Revenue Deficiency							
8017	Amount before tax adjustment		(25,192,778)	(9,134,823)	(7,391,361)	(8,504,688)	(161,903)
8018	Tax Adjusted Amount Needed		(38,759,089)	(14,053,925)	(11,371,609)	(13,084,462)	(249,088)
8019	Percent Increase/(Decrease)		34.13%	31.82%	30.50%	43.01%	14.75%
	tax multiplier (1/(1-.35)) Federal Tax Rate at 35%		1.54	1.54	1.54	1.54	1.54