

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.
ADJUSTED RETAIL ELECTRIC CLASS COST OF SERVICE STUDY
FOR THE TEST YEAR ENDED JUNE 30, 2012

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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
M	1	SUMMARY AT PRESENT RATES								
M	2									
M	3	DEVELOPMENT OF RETURN								
M	4									
M	5	OPERATING REVENUE								
			<u>Sched O-1 Reference</u>							
M	6	Sales of Electricity	SCH I, LN 4	105,368,260	42,082,273	36,395,788	25,340,827	1,549,371		
M	7	Contract Revenues	SCH I, LN 5	12,147,029	4,191,558	4,399,325	3,447,716	108,430		
M	8	Other Operating Revenue	SCH I, LN 15	5,183,345	2,061,741	1,953,662	1,046,234	121,707		
M	9	TOTAL OPERATING REVENUE		122,698,634	48,335,573	42,748,775	29,834,778	1,779,508		
M	10									
M	11	OPERATING EXPENSES								
M	12	Operation and Maintenance Expense	SCH H, LN 178	60,204,304	25,352,220	20,200,767	13,887,146	764,172		
M	13	Depreciation Expense	SCH J, LN 27	23,741,627	8,798,382	8,638,963	5,979,083	325,200		
M	14	Amortization Expense	SCH J, LN 29	88,945	38,666	29,439	19,744	1,095		
M	15	Taxes Other Than Income Taxes	SCH L, LN 20	4,177,650	1,512,947	1,536,098	1,071,148	57,457		
M	16	State Income Tax	SCH K, LN 10	0	0	0	0	0		
M	17	Federal Income Tax	SCH K, LN 32	5,990,787	2,052,687	2,173,228	1,622,355	142,517		
M	18	TOTAL OPERATING EXPENSES		94,203,313	37,754,902	32,578,494	22,579,475	1,290,442		
M	19									
M	20	OPERATING INCOME (RETURN)		28,495,321	10,580,671	10,170,281	7,255,303	489,066		
M	21									
M	22									
M	23	DEVELOPMENT OF RATE BASE								
M	24	Electric Plant in Service	SCH D-2, LN 116	815,548,913	296,881,260	299,147,992	208,332,750	11,186,911		
M	25	Less: Accumulated Depreciation	SCH E, LN 27	283,096,913	101,851,495	103,970,895	73,189,993	4,084,530		
M	26	Less: Amortization	SCH E, LN 29	2,711,805	935,759	982,142	769,697	24,207		
M	27	Plus: Working Capital	SCH F, LN 9	14,035,070	4,862,060	4,766,190	4,233,740	173,079		
M	28	Less: Other Rate Base Deductions	SCH F, LN 24	105,486,221	38,791,241	38,762,087	26,515,467	1,417,425		
M	29									
M	30	TOTAL RATE BASE	SCH F, LN 27	438,289,043	160,164,825	160,199,058	112,091,333	5,833,827		
M	31									
M	32									
M	33	RATE OF RETURN (PRESENT)		6.50%	6.61%	6.35%	6.47%	8.38%		
M	34									
M	35	INDEX RATE OF RETURN (PRESENT)		1.00	1.02	0.98	1.00	1.29		
M	36									
M	37									
M	38									
M	39									
M	40									
M	41									
M	42									
M	43									
M	44									
M	45									
M	46									

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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
M	47	EQUALIZED RETURN AT PROPOSED ROR								
M	48									
M	49	DEVELOPMENT OF RETURN (EQUALIZED RATE LEVELS)								
M	50									
M	51	RATE BASE		438,289,043	160,164,825	160,199,058	112,091,333	5,833,827		
M	52									
M	53	RATE OF RETURN		8.54%	8.54%	8.54%	8.54%	8.54%		
M	54									
M	55	RETURN (RATE BASE * ROR)		37,429,884	13,678,076	13,681,000	9,572,600	498,209		
M	56									
M	57	LESS:								
M	58	OPERATING EXPENSES	<u>Sched O-1 Reference</u>							
M	59	Operation and Maintenance Expense	SCH M, LN 12	60,204,304	25,352,220	20,200,767	13,887,146	764,172		
M	60	Depreciation Expense	SCH M, LN 13	23,741,627	8,798,382	8,638,963	5,979,083	325,200		
M	61	Amortization Expense	SCH J, LN 29	88,945	38,666	29,439	19,744	1,095		
M	62	Taxes Other Than Income Taxes	SCH M, LN 15	4,177,650	1,512,947	1,536,098	1,071,148	57,457		
M	63	State Income Tax	CALCULATED	0	0	0	0	0		
M	64	Federal Income Tax	CALCULATED	10,802,049	3,720,640	4,063,750	2,870,219	147,441		
M	65	TOTAL OPERATING EXPENSES		99,014,575	39,422,855	34,469,016	23,827,339	1,295,365		
M	66									
M	67	EQUALS TOTAL COST OF SERVICE		136,444,459	53,100,931	48,150,016	33,399,939	1,793,574		
M	68									
M	69	LESS:								
M	70	OTHER OPERATING REVENUES		17,330,374	6,253,300	6,352,987	4,493,951	230,137		
M	71									
M	72	EQUALS:								
M	73	PROPOSED BASE RATE SALES @ EQUALIZED ROR		119,114,085	46,847,631	41,797,029	28,905,989	1,563,437		
M	74									
M	75									
M	76	TOTAL COST OF SERVICE INCREASE/DECREASE		13,745,826	4,765,358	5,401,241	3,565,161	14,066		
M	77									
M	78	SALES OF ELECTRICITY		105,368,260	42,082,273	36,395,788	25,340,827	1,549,371		
M	79	SALES OF ELECTRICITY FOR BASE ENERGY COSTS ENERGY2		32,944,213	11,229,982	9,486,790	11,910,017	317,424		
M	80	TOTAL CURRENT RETAIL REVENUES		138,312,473	53,312,255	45,882,578	37,250,844	1,866,795		
M	81									
M	82	REVENUE INCREASE TO RETAIL REVENUES (%)		9.94%	8.94%	11.77%	9.57%	0.75%		
M	83									
M	84									
M	85									
M	86									
M	87									
M	88									
M	89									
M	90									
M	91									
M	92									

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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
M	93	RETURN AT PROPOSED RATES								
M	94									
M	95	DEVELOPMENT OF RETURN AT PROPOSED RATE LEVELS								
M	96									
M	97	OPERATING REVENUE								
M	98	Sales of Electricity	SCH AF, LN 273	119,114,085	46,847,631	41,797,029	28,905,989	1,563,437		
M	99	Contract Revenues	SCH I, LN 5	12,147,029	4,191,558	4,399,325	3,447,716	108,430		
M	100	Other Operating Revenue	SCH I, LN 15	5,183,345	2,061,741	1,953,662	1,046,234	121,707		
M	101	TOTAL OPERATING REVENUE		136,444,459	53,100,931	48,150,016	33,399,939	1,793,574		
M	102									
M	103	OPERATING EXPENSES								
M	104	Operation and Maintenance Expense	SCH H, LN 178	60,204,304	25,352,220	20,200,767	13,887,146	764,172		
M	105	Depreciation Expense	SCH J, LN 27	23,741,627	8,798,382	8,638,963	5,979,083	325,200		
M	106	Amortization Expense	SCH J, LN 29	88,945	38,666	29,439	19,744	1,095		
M	107	Taxes Other Than Income Taxes	SCH L, LN 20	4,177,650	1,512,947	1,536,098	1,071,148	57,457		
M	108	State Income Tax	CALCULATED	0	0	0	0	0		
M	109	Federal Income Tax	CALCULATED	10,802,049	3,720,640	4,063,750	2,870,219	147,441		
M	110	TOTAL OPERATING EXPENSES		99,014,575	39,422,855	34,469,016	23,827,339	1,295,365		
M	111									
M	112	OPERATING INCOME (RETURN) AT PROPOSED RATES		37,429,884	13,678,076	13,681,000	9,572,600	498,209		
M	113									
M	114									
M	115	RATE BASE	SCH M, LN 30	438,289,043	160,164,825	160,199,058	112,091,333	5,833,827		
M	116									
M	117									
M	118	RATE OF RETURN		8.54%	8.54%	8.54%	8.54%	8.54%		
M	119									
M	120	INDEX RATE OF RETURN		1.00	1.00	1.00	1.00	1.00		
M	121									
M	122									
M	123	PROPOSED TOTAL REVENUE INCREASE (\$)		13,745,826	4,765,358	5,401,241	3,565,161	14,066		
M	124									
M	125	SALES OF ELECTRICITY		105,368,260	42,082,273	36,395,788	25,340,827	1,549,371		
M	126	SALES OF ELECTRICITY FOR BASE ENERGY COSTS	ENERGY2	32,944,213	11,229,982	9,486,790	11,910,017	317,424		
M	127	TOTAL CURRENT RETAIL REVENUES		138,312,473	53,312,255	45,882,578	37,250,844	1,866,795		
M	128									
M	129	PROPOSED TOTAL REVENUE INCREASE (%)		9.94%	8.94%	11.77%	9.57%	0.75%		
M	130									
M	131									
M	132									
M	133									
M	134									
M	135									
M	136									
M	137									
M	138									

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		(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
D-2	1	DEVELOPMENT OF RATE BASE								
D-2	2									
D-2	3	ELECTRIC PLANT IN SERVICE								
D-2	4									
D-2	5	PRODUCTION PLANT								
D-2	6	Steam Plant								
D-2	7	310-Land & Land Rights	DPROD	298,219	102,906	108,007	84,644	2,662		
D-2	8	311-Structures & Improve	DPROD	35,900,261	12,388,053	13,002,102	10,189,645	320,462		
D-2	9	312-Boiler Plant Equipment	DPROD	205,067,382	70,762,312	74,269,847	58,204,697	1,830,526		
D-2	10	313-Engines and Engine Driver Generator	DPROD	303,676	104,789	109,983	86,193	2,711		
D-2	11	314-Turbogenerator Units	DPROD	109,700,305	37,854,129	39,730,477	31,136,463	979,235		
D-2	12	315-Accessory Electric Equipment	DPROD	20,290,941	7,001,766	7,348,829	5,759,219	181,126		
D-2	13	316-Misc Power Plant Equipment	DPROD	3,278,726	1,131,385	1,187,466	930,608	29,267		
D-2	14	106-Completed Not Classified Production Plant	DPROD	14,946,119	5,157,436	5,413,079	4,242,188	133,416		
D-2	15	Steam Plant Additions/Annualization	DPROD	8,322,998	2,872,005	3,014,364	2,362,334	74,295		
D-2	16	Total Steam Plant		398,108,628	137,374,782	144,184,154	112,995,992	3,553,700		
D-2	17									
D-2	18									
D-2	19	Other Production Plant								
D-2	20	340-Land & Land Rights	DPROD	2,417	834	875	686	22		
D-2	21	341-Structures and Improvements	DPROD	460,708	158,976	166,856	130,764	4,112		
D-2	22	342-Fuel Holders, Producers, & Access	DPROD	4,574,791	1,578,617	1,656,865	1,298,472	40,837		
D-2	23	344-Generators	DPROD	61,461,516	21,208,439	22,259,695	17,444,749	548,634		
D-2	24	345-Accessory Electric Equipment	DPROD	4,342,832	1,498,575	1,572,856	1,232,635	38,766		
D-2	25	346-Misc Power Plant Equipment	DPROD	74,055	25,554	26,821	21,019	661		
D-2	26	106-Completed Not Classified Oth Prod Plt	DPROD	445,558	153,748	161,369	126,464	3,977		
D-2	27	Other Prod Plant Additions/Annualization	DPROD	1,003,760	346,366	363,535	284,899	8,960		
D-2	28	Total Other Production Plant		71,941,338	24,971,109	26,208,873	20,128,325	633,032		
D-2	29									
D-2	30	TOTAL PRODUCTION PLANT		470,474,266	162,345,891	170,393,026	133,535,680	4,199,669		
D-2	31									
D-2	32									
D-2	33	TRANSMISSION PLANT								
D-2	34	350-Land & Land Rights	DTRAN	558,204	192,846	209,458	150,995	4,905		
D-2	35	352-Structures & Improvements	DTRAN	946,817	327,102	355,279	256,116	8,320		
D-2	36	353-Station Equipment	DTRAN	821,071	283,660	308,095	222,102	7,215		
D-2	37	354-Tower and Fixtures	DTRAN	363,066	125,431	136,235	98,210	3,190		
D-2	38	355-Poles & Fixtures	DTRAN	217,875	75,270	81,754	58,936	1,915		
D-2	39	356-Overhead Conductors & Devices	DTRAN	991,295	342,468	371,968	268,147	8,711		
D-2	40	359-Roads and Trails	DTRAN	6,311	2,180	2,368	1,707	55		
D-2	41	106-Completed Not Classified Transmission Plt	DTRAN	0	0	0	0	0		
D-2	42	Transmission Plant Additions/Annualization	DTRAN	0	0	0	0	0		
D-2	43	TOTAL TRANSMISSION PLANT		3,904,640	1,348,958	1,465,157	1,056,213	34,312		
D-2	44									
D-2	45									
D-2	46									

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		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
D-2	47	ELECTRIC PLANT IN SERVICE CONTINUED								
D-2	48									
D-2	49	DISTRIBUTION PLANT								
D-2	50	360-Land & Land Rights	DDISPSUB	1,552,057	536,198	582,386	419,835	13,639		
D-2	51	361-Structures & Improvements	DDISPSUB	246,766	85,252	92,595	66,751	2,168		
D-2	52	362-Station Equipment	DDISPSUB	45,100,101	15,580,987	16,923,133	12,199,669	396,312		
D-2	53	364-Poles, Towers & Fixtures								
D-2	54	Primary - Demand	DDISTPOL	46,713,282	16,138,302	17,528,455	12,636,037	410,488		
D-2	55	Secondary - Demand	DDISTSOL	12,350,167	4,921,517	5,345,456	1,958,013	125,182		
D-2	56	Total Account 364		59,063,449	21,059,818	22,873,911	14,594,050	535,670		
D-2	57	365-Overhead Conductors & Devices								
D-2	58	Primary - Demand	DDISTPOL	30,942,154	10,689,761	11,610,577	8,369,915	271,901		
D-2	59	Secondary - Demand	DDISTSOL	5,311,102	2,116,463	2,298,776	842,029	53,834		
D-2	60	Total Account 365		36,253,256	12,806,224	13,909,352	9,211,945	325,735		
D-2	61	366-Underground Conduit								
D-2	62	Primary - Demand	DDISTPUL	2,088,264	721,445	783,590	564,880	18,350		
D-2	63	Secondary - Demand	DDISTSUL	1,429,109	569,497	618,553	226,573	14,486		
D-2	64	Total Account 366		3,517,373	1,290,941	1,402,143	791,453	32,836		
D-2	65	367-Underground Conductors & Devices								
D-2	66	Primary - Demand	DDISTPUL	19,338,906	6,681,121	7,256,633	5,231,213	169,939		
D-2	67	Secondary - Demand	DDISTSUL	18,432,395	7,345,272	7,977,994	2,922,297	186,832		
D-2	68	Total Account 367		37,771,301	14,026,393	15,234,627	8,153,511	356,770		
D-2	69	368-Line Transformers								
D-2	70	Demand	DDISTSUT	31,204,759	12,435,033	13,506,187	4,947,246	316,293		
D-2	71	Total Account 368		31,204,759	12,435,033	13,506,187	4,947,246	316,293		
D-2	72	369-Services	CSERVICE	26,665,348	14,483,764	9,790,576	2,391,008	0		
D-2	73	370-Meters	CMETERS	2,825,893	2,025,733	632,542	162,631	4,987		
D-2	74	371-Installation on Customer Premises	CUSTPREM	1,964,488	0	0	0	1,964,488		
D-2	75	373-Street Lighting & Signal Systems	CLIGHT	1,617,886	0	0	0	1,617,886		
D-2	76	106 - Completed Not Classified Distribution Plant	DISTPLTXNC	12,764,157	4,859,288	4,891,077	2,727,028	286,765		
D-2	77	Distribution Plant Additions/Annualization	DISTPLTXNC	11,905,164	4,532,271	4,561,921	2,543,506	267,466		
D-2	78	TOTAL DISTRIBUTION PLANT		272,451,999	103,721,903	104,400,450	58,208,631	6,121,015		
D-2	79									
D-2	80									
D-2	81									
D-2	82	TOTAL PROD, TRANS, & DIST PLANT		746,830,905	267,416,752	276,258,634	192,800,523	10,354,996		
D-2	83									
D-2	84									
D-2	85									
D-2	86									
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D-2	90									
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D-2	92									

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		(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
D-2	93	ELECTRIC PLANT IN SERVICE CONTINUED								
D-2	94									
D-2	95	GENERAL PLANT								
D-2	96	389-Land and Land Rights	SALWAGES	658,127	286,102	217,831	146,088	8,105		
D-2	97	390-Structures and Improvements	SALWAGES	9,046,294	3,932,621	2,994,201	2,008,062	111,411		
D-2	98	391-Office Furniture & Equipment	SALWAGES	8,436,425	3,667,497	2,792,342	1,872,686	103,900		
D-2	99	392-Transportation Equipment	SALWAGES	5,361,985	2,330,971	1,774,744	1,190,233	66,036		
D-2	100	393-Store Equipment	SALWAGES	263,851	114,702	87,331	58,569	3,249		
D-2	101	394-Tools, Shop & Garage Equip.	SALWAGES	3,664,452	1,593,017	1,212,884	813,421	45,130		
D-2	102	395-Laboratory Equipment	SALWAGES	363,192	157,887	120,212	80,620	4,473		
D-2	103	396-Power Operated Equipment	SALWAGES	524,427	227,980	173,578	116,410	6,459		
D-2	104	397-Communication Equipment	SALWAGES	5,360,547	2,330,346	1,774,268	1,189,914	66,018		
D-2	105	398-Miscellaneous Equipment	SALWAGES	218,135	94,828	72,200	48,421	2,686		
D-2	106	Rate Case Expenses	CLAIMREV	446,667	175,674	156,735	108,395	5,863		
D-2	107	106-Completed Not Classified General Plant	SALWAGES	2,879,841	1,251,929	953,188	639,256	35,467		
D-2	108	General Plant Additions/Annualization	SALWAGES	5,377,633	2,337,774	1,779,924	1,193,707	66,229		
D-2	109	TOTAL GENERAL PLANT		42,601,574	18,501,329	14,109,438	9,465,781	525,026		
D-2	110									
D-2	111	TOTAL OTHER UTILITY PLANT IN SERVICE	SALWAGES	21,764,077	9,461,317	7,203,615	4,831,107	268,038		
D-2	112									
D-2	113	TOTAL PLANT ACQUISITION ADJUSTMENT	DPROD	4,352,357	1,501,862	1,576,306	1,235,338	38,851		
D-2	114									
D-2	115									
D-2	116	TOTAL ELECTRIC PLANT IN SERVICE		815,548,913	296,881,260	299,147,992	208,332,750	11,186,911		
D-2	117									
D-2	118									
D-2	119									
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D-2	138									
D-2	139									

BLACK HILLS POWER, INC.
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FOR THE TEST YEAR ENDED JUNE 30, 2012

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SCH LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
	(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
E 1	LESS: ACCUMULATED DEPRECIATION								
E 2									
E 3	PRODUCTION PLANT ACCUMULATED DEPRECIATION	PRODPLT	163,558,832	56,439,015	59,236,575	46,423,240	1,460,001		
E 4									
E 5	TRANSMISSION PLANT ACCUMULATED DEPRECIATION	TRANPLT	1,352,846	467,375	507,635	365,947	11,888		
E 6									
E 7	DISTRIBUTION PLANT ACCUMULATED DEPRECIATION								
E 8	360-Land & Land Rights	PLT_360	(41,085)	(14,194)	(15,416)	(11,114)	(361)		
E 9	361-Structures & Improvements	PLT_361	137,250	47,416	51,501	37,126	1,206		
E 10	362-Station Equipment	PLT_362	17,542,035	6,060,346	6,582,384	4,745,156	154,149		
E 11	364-Poles, Towers & Fixtures	PLT_364	21,942,526	7,823,885	8,497,834	5,421,802	199,006		
E 12	365-Overhead Conductors & Devices	PLT_365	13,239,153	4,676,644	5,079,490	3,364,066	118,953		
E 13	366-Underground Conduit	PLT_366	497,713	182,670	198,405	111,992	4,646		
E 14	367-Underground Conductors & Devices	PLT_367	13,426,762	4,986,035	5,415,532	2,898,371	126,823		
E 15	368-Line Transformers	PLT_368	11,576,246	4,613,111	5,010,484	1,835,314	117,337		
E 16	369-Services	PLT_369	8,816,608	4,788,900	3,237,148	790,561	0		
E 17	370-Meters	PLT_370	(3,877,654)	(2,779,684)	(867,965)	(223,161)	(6,844)		
E 18	371-Installation on Customer Premises	PLT_371	758,339	0	0	0	758,339		
E 19	373-Street Lighting & Signal Systems	PLT_373	733,822	0	0	0	733,822		
E 20	Accum Dep Adjustment	DISTPLT	(625,260)	(238,035)	(239,592)	(133,585)	(14,047)		
E 21	TOTAL DISTRIBUTION PLANT ACCUMULATED DEPRECIATION		84,126,455	30,147,094	32,949,804	18,836,529	2,193,029		
E 22									
E 23	GENERAL PLANT ACCUMULATED DEPRECIATION	GENLPLT	18,608,128	8,081,277	6,162,923	4,134,600	229,328		
E 24									
E 25	OTHER UTILITY ACCUMULATED DEPRECIATION	SALWAGES	15,450,652	6,716,734	5,113,957	3,429,677	190,284		
E 26									
E 27	TOTAL ACCUMULATED DEPRECIATION		283,096,913	101,851,495	103,970,895	73,189,993	4,084,530		
E 28									
E 29	AMORTIZATION OF PLANT ACQUISITION	PRODPLT	2,711,805	935,759	982,142	769,697	24,207		
E 30									
E 31	NET ELECTRIC PLANT IN SERVICE		529,740,194	194,094,006	194,194,955	134,373,060	7,078,174		
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E 33									
E 34									
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BLACK HILLS POWER, INC.
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SCH LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
	(a)	(b)	(c)	(d)	(e)	(h)	(i)		
F 1	ADDITIONS AND DEDUCTIONS TO RATE BASE								
F 2									
F 3	PLUS: ADDITIONS TO RATE BASE								
F 4	WORKING CAPITAL								
F 5	Cash Working Capital (Lead Lag)	SCH F-3, LN 40	(5,140,261)	(2,029,902)	(1,798,355)	(1,246,168)	(65,836)		
F 6	Fuel Inventory	ENEFUEL	5,825,235	1,996,985	1,687,000	2,084,804	56,446		
F 7	Materials and Supplies	TOTPLT	12,727,558	4,633,166	4,668,541	3,251,267	174,584		
F 8	Prepayments	OMXFPP	622,538	261,811	209,004	143,838	7,885		
F 9	TOTAL WORKING CAPITAL		14,035,070	4,862,060	4,766,190	4,233,740	173,079		
F 10									
F 11	LESS: DEDUCTIONS TO RATE BASE								
F 12	Customer Advances for Construction	CUSTADV	2,190,735	1,392,705	798,030	0	0		
F 13	Regulatory Assets - S&W Related	SALWAGES	(21,416,543)	(9,310,237)	(7,088,586)	(4,753,963)	(263,758)		
F 14	Regulatory Assets - Plant Related	TOTPLT	(8,343,652)	(3,037,309)	(3,060,499)	(2,131,394)	(114,450)		
F 15	Regulatory Liabilities - S&W Related	SALWAGES	34,814,535	15,134,635	11,523,139	7,727,998	428,762		
F 16	Regulatory Liabilities - Plant Related	TOTPLT	767,123	279,253	281,385	195,962	10,523		
F 17	Deferred Income Taxes and Credits								
F 18	Deferred Income Tax - Property (Debit)	TOTPLT	(18,920,152)	(6,887,433)	(6,940,020)	(4,833,171)	(259,528)		
F 19	Deferred Income Tax - S&W (Debit)	SALWAGES	(15,473,446)	(6,726,644)	(5,121,501)	(3,434,737)	(190,565)		
F 20	Deferred Income Tax - Customer (Debit)	CUST	(728,561)	(586,870)	(132,811)	(1,741)	(7,138)		
F 21	Deferred Income Tax - Property (Credit)	TOTPLT	128,852,774	46,905,799	47,263,932	32,915,564	1,767,478		
F 22	Deferred Income Tax - Other (Credit)	SALWAGES	3,743,408	1,627,341	1,239,017	830,948	46,102		
F 23	Total Deferred Income Taxes and Credits		97,474,023	34,332,194	36,308,618	25,476,863	1,356,348		
F 24	TOTAL DEDUCTIONS TO RATE BASE		105,486,221	38,791,241	38,762,087	26,515,467	1,417,425		
F 25									
F 26									
F 27	TOTAL RATE BASE		438,289,043	160,164,825	160,199,058	112,091,333	5,833,827		
F 28									
F 29									
F 30									
F 31									
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BLACK HILLS POWER, INC.
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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
F-3	1	CASH WORKING CAPITAL (LEAD LAG)								
F-3	2									
F-3	3	O&M EXPENSE PER DAY RELATED CASH WORKING CAPITAL								
F-3	4	Purchased Fuel (Coal, Gas, & Oil)	ENEFUEL	0	0	0	0	0		
F-3	5	Coal Transportation	ENEFUEL	0	0	0	0	0		
F-3	6	Natural Gas - Other Production	ENEFUEL	0	0	0	0	0		
F-3	7	Purchased Power	OX_555	18,197	6,279	6,591	5,165	162		
F-3	8	Transmission	TRANPLT	0	0	0	0	0		
F-3	9	Labor	SALWAGES	28,077	12,206	9,293	6,232	346		
F-3	10	Employee Benefits	SALWAGES	1,480	643	490	329	18		
F-3	11	Service Company Charges	SALWAGES	79,711	34,652	26,383	17,694	982		
F-3	12	Other O&M	OMXFPP	41,822	17,588	14,041	9,663	530		
F-3	13	Wyodak Power Plant O&M	PRODPLT	8,959	3,091	3,245	2,543	80		
F-3	14	TOTAL O&M		178,246	74,460	60,042	41,626	2,118		
F-3	15									
F-3	16	TAXES OTHER THAN INCOME TAXES								
F-3	17	Property Taxes	TOTPLT	14,750	5,369	5,410	3,768	202		
F-3	18	Unemployment Taxes (FUTA & SUTA)	SALWAGES	286	124	95	63	4		
F-3	19	Montana Electric Energy	CLAIMREV	0	0	0	0	0		
F-3	20	Wyoming Franchise Tax	CLAIMREV	0	0	0	0	0		
F-3	21	South Dakota PUC	CLAIMREV	649	255	228	157	9		
F-3	22	Wyoming PSC	CLAIMREV	0	0	0	0	0		
F-3	23	FICA Taxes - Employer's	SALWAGES	7,277	3,163	2,409	1,615	90		
F-3	24	TOTAL TAXES OTHER THAN INCOME TAXES		22,961	8,912	8,141	5,604	304		
F-3	25									
F-3	26	Depreciation Expense	TOTPLT	96,161	35,005	35,273	24,564	1,319		
F-3	27	Amortization Expense	PRODPLT	238	82	86	68	2		
F-3	28	TOTAL DEPRECIATION/AMORTIZATION		96,400	35,088	35,359	24,632	1,321		
F-3	29									
F-3	30	FEDERAL INCOME TAXES	CLAIMREV	36,398	14,315	12,772	8,833	478		
F-3	31									
F-3	32	INTEREST EXPENSE	TOTPLT	44,283	16,120	16,243	11,312	607		
F-3	33									
F-3	34	GRAND TOTAL		378,288	148,896	132,558	92,007	4,828		
F-3	35									
F-3	36	CWC REQUIREMENT (GRAND TOTAL x EXPENSE LAG)		(4,127,123)	(1,624,450)	(1,446,203)	(1,003,795)	(52,675)		
F-3	37									
F-3	38	LESS: TAX COLLECTIONS AVAILABLE		(1,013,138)	(405,452)	(352,152)	(242,373)	(13,161)		
F-3	39									
F-3	40	NET CASH WORKING CAPITAL REQUIREMENT		(5,140,261)	(2,029,902)	(1,798,355)	(1,246,168)	(65,836)		
F-3	41									
F-3	42									
F-3	43									
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F-3	46									

BLACK HILLS POWER, INC.
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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
F-3	1									
F-3	2	CASH WORKING CAPITAL (LEAD LAG) CONTINUED								
F-3	3									
F-3	4	LAG/LEAD DAYS								
F-3	5	REVENUE LAG DAYS		37.96						
F-3	6	EXPENSE LEAD DAYS		48.87						
F-3	7	NET DAYS		(10.91)						
F-3	8									
F-3	9	TAX COLLECTIONS AVAILABLE								
F-3	10	FICA Taxes (Employee Contribution)	SALWAGES	(49,378)	(21,466)	(16,343)	(10,961)	(608)		
F-3	11	Federal Withholding Tax	SALWAGES	(119,232)	(51,833)	(39,464)	(26,467)	(1,468)		
F-3	12	South Dakota Sales and Use Tax	CLAIMREV	(844,528)	(332,153)	(296,344)	(204,946)	(11,085)		
F-3	13	Wyoming Sales and Use Tax	CLAIMREV	0	0	0	0	0		
F-3	14	TOTAL TAX COLLECTIONS AVAILABLE		(1,013,138)	(405,452)	(352,152)	(242,373)	(13,161)		
F-3	15									
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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
	1	OPERATING REVENUES								
	2									
	3	SALES REVENUES								
	4	Sales of Electricity Revenues		105,368,260	42,082,273	36,395,788	25,340,827	1,549,371		
	5	Contract Revenues	DPROD	12,147,029	4,191,558	4,399,325	3,447,716	108,430		
	6	TOTAL SALES OF ELECTRICITY		117,515,289	46,273,832	40,795,113	28,788,544	1,657,801		
	7									
	8	OTHER OPERATING REVENUES								
	9	Unbilled and Cost Adjustment Revenue	Direct Assignment	0	0	0	0	0		
	10	Demand Side Management Revenue	SREVDSM	(784,521)	(340,349)	(255,571)	(180,050)	(8,551)		
	11	450-Forfeited Discounts	OX_904	251,449	228,476	19,359	768	2,846		
	12	451-Miscellaneous Service Revenues	DISTPLT	463,958	176,628	177,783	99,123	10,423		
	13	454-Rent from Electric Property	TDPLT	5,252,460	1,996,986	2,012,091	1,126,393	116,989		
	14	456-Other Electric Revenues - Transmission	TRANPLT	0	0	0	0	0		
	15	TOTAL OTHER OPERATING REV		5,183,345	2,061,741	1,953,662	1,046,234	121,707		
	16									
	17	TOTAL OPERATING REVENUES		122,698,634	48,335,573	42,748,775	29,834,778	1,779,508		
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	19									
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SCH LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
	(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
H 1									
H 2	OPERATION & MAINTENANCE EXPENSE								
H 3									
H 4									
H 5	PRODUCTION EXPENSE								
H 6									
H 7	Steam Production Operation								
H 8	500-Supervision & Engineering	SALWAGPO	1,513,626	522,305	548,194	429,616	13,511		
H 9	501-Fuel	ENEFUEL	0	0	0	0	0		
H 10	502-Steam Expense	DPROD	1,855,537	640,288	672,025	526,661	16,563		
H 11	505-Electric Expense	DPROD	736,512	254,147	266,745	209,046	6,574		
H 12	506-Miscellaneous Steam Power Expense	DPROD	676,496	233,438	245,009	192,011	6,039		
H 13	507-Rent	DPROD	2,297,941	792,947	832,252	652,229	20,512		
H 14	509-Allowances	DPROD	27	9	10	8	0		
H 15	Total Steam Production Operation		7,080,140	2,443,134	2,564,235	2,009,571	63,201		
H 16									
H 17	Steam Production Maintenance								
H 18	510-Supervision & Engineering	SALWAGPM	1,380,126	476,238	499,844	391,724	12,320		
H 19	511-Maintenance of Structures	DPROD	724,087	249,860	262,245	205,519	6,464		
H 20	512-Maintenance of Boilers	DPROD	3,622,082	1,249,867	1,311,820	1,028,063	32,332		
H 21	513-Maintenance of Electric Plant	DPROD	316,511	109,218	114,632	89,836	2,825		
H 22	514-Maintenance of Miscellaneous Steam Plant	DPROD	111,440	38,455	40,361	31,630	995		
H 23	Total Steam Production Maintenance		6,154,246	2,123,637	2,228,901	1,746,772	54,936		
H 24									
H 25	Total Steam Production Expense		13,234,386	4,566,771	4,793,136	3,756,343	118,136		
H 26									
H 27	Other Production Operation								
H 28	546-Operation Supervision and Engineering	SALWAGPO	194,748	67,201	70,532	55,276	1,738		
H 29	547-Fuel	ENEFUEL	0	0	0	0	0		
H 30	548-Generation Expense	DPROD	399,813	137,963	144,802	113,480	3,569		
H 31	549-Miscellaneous Other Power Generation	DPROD	78,392	27,051	28,391	22,250	700		
H 32	550-Rents	DPROD	106,758	36,839	38,665	30,301	953		
H 33	Total Other Production Operation		779,712	269,054	282,390	221,307	6,960		
H 34									
H 35	Other Production Maintenance								
H 36	551-Supervision & Engineering	SALWAGPM	779,030	268,819	282,143	221,114	6,954		
H 37	552-Structures	DPROD	88,718	30,614	32,131	25,181	792		
H 38	553-Maintenance of Generating and Electric Plant	DPROD	1,774,691	612,390	642,745	503,714	15,842		
H 39	554-Maintenance of Miscellaneous Other Power	DPROD	177,304	61,182	64,215	50,325	1,583		
H 40	556-System Control and Load Dispatching	DPROD	702,930	242,559	254,582	199,514	6,275		
H 41	556-System Control and Load Dispatching	DPROD	21	7	8	6	0		
H 42	Total Other Production Maintenance		3,522,695	1,215,571	1,275,825	999,854	31,445		
H 43									
H 44	Total Other Production Expense		4,302,406	1,484,625	1,558,215	1,221,161	38,405		
H 45									
H 46									

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	(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
H 47	OPERATION & MAINTENANCE EXPENSE CONTINUED								
H 48									
H 49									
H 50	PRODUCTION EXPENSE (CONT.)								
H 51									
H 52	Other Power Supply								
H 53	555 - Purchased Power - Energy	ENERGY1	0	0	0	0	0		
H 54	555 - Purchased Power - Capacity	DPROD	6,642,209	2,292,018	2,405,628	1,885,272	59,291		
H 55	Total Other Power Supply		6,642,209	2,292,018	2,405,628	1,885,272	59,291		
H 56									
H 57	TOTAL PRODUCTION EXPENSE		24,179,002	8,343,414	8,756,979	6,862,776	215,833		
H 58									
H 59									
H 60	TRANSMISSION EXPENSES								
H 61									
H 62	Operation								
H 63	560-Supervision & Engineering	SALWAGTO	278,673	96,275	104,568	75,382	2,449		
H 64	561-Load Dispatch	TRANPLT	0	0	0	0	0		
H 65	562-Station Equipment	TRANPLT	0	0	0	0	0		
H 66	563-Overhead Lines	TRANPLT	44,983	15,540	16,879	12,168	395		
H 67	565-Transmission of Electricity by Others	TRANPLT	0	0	0	0	0		
H 68	566-Miscellaneous	TRANPLT	47,838	16,527	17,951	12,940	420		
H 69	567-Rents	TRANPLT	0	0	0	0	0		
H 70	Total Transmission Operation		371,494	128,342	139,398	100,490	3,264		
H 71									
H 72	Maintenance								
H 73	568-Maintenance Supervision & Engineering	SALWAGTM	0	0	0	0	0		
H 74	569-Maintenance of Structures	TRANPLT	0	0	0	0	0		
H 75	570-Maintenance of Station Equipment	TRANPLT	68,806	23,771	25,819	18,612	605		
H 76	571-Maintenance of Overhead Lines	TRANPLT	74,211	25,638	27,846	20,074	652		
H 77	572-Maintenance of Underground Lines	TRANPLT	0	0	0	0	0		
H 78	573-Maint. of Miscellaneous Transmission Plant	TRANPLT	0	0	0	0	0		
H 79	Total Transmission Maintenance		143,017	49,409	53,665	38,686	1,257		
H 80									
H 81	TOTAL TRANSMISSION EXPENSE		514,511	177,751	193,063	139,176	4,521		
H 82									
H 83									
H 84									
H 85									
H 86									
H 87									
H 88									
H 89									
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H 92									

BLACK HILLS POWER, INC.
ADJUSTED RETAIL ELECTRIC CLASS COST OF SERVICE STUDY
FOR THE TEST YEAR ENDED JUNE 30, 2012

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SCH LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
	(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
H 93	OPERATION & MAINTENANCE EXPENSE CONTINUED								
H 94									
H 95									
H 96	DISTRIBUTION EXPENSES								
H 97	Operation								
H 98	580-Supervision	SALWAGDO	762,045	365,028	254,026	135,178	7,812		
H 99	581-Load Dispatch	DISTPLT	225,430	85,821	86,382	48,163	5,065		
H 100	582-Station Equipment	PLT_362	370,464	127,986	139,011	100,211	3,255		
H 101	583-Overhead Lines	OHDIST	430,270	152,875	166,043	107,463	3,888		
H 102	584-Underground Lines	UGDIST	303,277	112,510	122,202	65,703	2,862		
H 103	585-Street Lighting	PLT_3713	85	0	0	0	85		
H 104	586-Metering	CMETERS	830,061	595,027	185,799	47,770	1,465		
H 105	587-Customer Installations	CMETERS	27,539	19,742	6,164	1,585	49		
H 106	588-Miscellaneous	DISTPLT	452,835	172,393	173,521	96,747	10,174		
H 107	589-Rents	DISTPLT	18,122	6,899	6,944	3,872	407		
H 108	Total Distribution Operation		3,420,129	1,638,281	1,140,094	606,692	35,062		
H 109									
H 110	Maintenance								
H 111	590-Supervision	SALWAGDM	1,481	517	543	346	75		
H 112	591-Structures	DISTPLT	0	0	0	0	0		
H 113	592-Station Equipment	PLT_362	300,159	103,698	112,630	81,194	2,638		
H 114	593-Overhead Lines	OHDIST	2,436,767	865,784	940,362	608,599	22,022		
H 115	594-Underground Lines	UGDIST	188,948	70,096	76,134	40,934	1,783		
H 116	595-Transformers	PLT_368	36,894	14,702	15,968	5,849	374		
H 117	596-Street Lighting	PLT_3713	134,130	0	0	0	134,130		
H 118	597-Metering	CMETERS	71,733	51,422	16,057	4,128	127		
H 119	598-Miscellaneous	DISTPLT	20,337	7,742	7,793	4,345	457		
H 120	Total Distribution Maintenance		3,190,449	1,113,961	1,169,488	745,396	161,605		
H 121									
H 122	TOTAL DISTRIBUTION EXPENSES		6,610,578	2,752,242	2,309,581	1,352,088	196,667		
H 123									
H 124	TOTAL OPER & MAINT EXP (PROD, TRAN, & DIST)		31,304,092	11,273,407	11,259,623	8,354,040	417,021		
H 125									
H 126									
H 127									
H 128									
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BLACK HILLS POWER, INC.
ADJUSTED RETAIL ELECTRIC CLASS COST OF SERVICE STUDY
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SCH	LINE	DESCRIPTION	ALLOCATION	TOTAL	RESIDENTIAL	GENERAL	GS LARGE/	LIGHTING		
NO.	NO.	(a)	BASIS	SOUTH	SERVICE	SERVICE	INDUSTRIAL	SERVICE	(j)	(f)
			(b)	DAKOTA	(d)	(e)	(h)	(i)		
H	139	OPERATION & MAINTENANCE EXPENSE CONTINUED								
H	140									
H	141									
H	142	CUSTOMER ACCOUNTS EXPENSES								
H	143	901-Supervision	SALWAGCA	46,325	37,974	7,780	115	456		
H	144	902-Meter Reading	CMETRDG	58,382	47,383	10,723	140	137		
H	145	903-Customer Records and Collection Expense	CUSTREC	1,587,900	1,279,084	289,462	3,795	15,558		
H	146	904-Uncollectible Accounts	EXP_904	385,993	350,728	29,717	1,179	4,369		
H	147	905-Miscellaneous CA	CUSTCAM	793,168	638,912	144,589	1,896	7,772		
H	148	TOTAL CUSTOMER ACCTS EXPENSE		2,871,767	2,354,081	482,271	7,124	28,292		
H	149									
H	150									
H	151	CUSTOMER SERVICE EXPENSES								
H	152	907-Supervision	SALWAGCS	263,127	211,954	47,966	629	2,578		
H	153	908-Customer Assistance	CUSTASST	1,006,374	810,654	183,454	2,405	9,861		
H	154	909-Advertisement	CUSTADVT	5,073	4,087	925	12	50		
H	155	910-Miscellaneous CS	CUSTCSM	56,057	45,155	10,219	134	549		
H	156	TOTAL CUSTOMER SERVICE EXPENSE		1,330,630	1,071,849	242,564	3,180	13,038		
H	157									
H	158	SALES EXPENSES TOTAL	SALESREV	0	0	0	0	0		
H	159									
H	160	TOTAL OPER & MAINT EXCL A&G		35,506,489	14,699,337	11,984,458	8,364,344	458,350		
H	161									
H	162	ADMINISTRATIVE & GENERAL EXPENSE								
H	163	920-Administrative Salaries	SALWAGES	11,881,380	5,165,094	3,932,576	2,637,384	146,326		
H	164	921-Office Supplies & Expense	SALWAGES	3,961,236	1,722,035	1,311,115	879,300	48,785		
H	165	923-A&G Expense Transferred	SALWAGES	(31,002)	(13,477)	(10,261)	(6,882)	(382)		
H	166	924-Outside Services	SALWAGES	2,744,976	1,193,301	908,550	609,319	33,806		
H	167	924-Rate Case Expenses	CLAIMREV	65,773	25,869	23,080	15,962	863		
H	168	925-Property Insurance	TOTPLT	754,715	274,736	276,834	192,793	10,352		
H	169	926-Injuries and Damages	SALWAGES	1,429,334	621,362	473,090	317,278	17,603		
H	170	927-Pensions & Benefits	SALWAGES	513,526	223,241	169,970	113,990	6,324		
H	171	928-Regulatory Commission	CLAIMREV	651,204	256,119	228,507	158,031	8,547		
H	172	930.1-General Advertising	SALWAGES	24,893	10,821	8,239	5,526	307		
H	173	930.2-Miscellaneous General	SALWAGES	994,545	432,351	329,181	220,765	12,248		
H	174	931-Rents	GENLPLT	468,915	203,644	155,302	104,190	5,779		
H	175	932-Maintenance of General Plant	GENLPLT	1,238,321	537,787	410,126	275,147	15,261		
H	176	TOTAL A&G EXPENSE		24,697,815	10,652,883	8,216,309	5,522,802	305,821		
H	177									
H	178	TOTAL OPERATION & MAINTENANCE EXPENSES		60,204,304	25,352,220	20,200,767	13,887,146	764,172		
H	179									
H	180									
H	181									
H	182									
H	183									
H	184									

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SCH	LINE	DESCRIPTION	ALLOCATION	TOTAL	RESIDENTIAL	GENERAL	GS LARGE/	LIGHTING		
NO.	NO.	(a)	(b)	SOUTH	SERVICE	SERVICE	INDUSTRIAL	SERVICE	(j)	(f)
				DAKOTA	(d)	(e)	CONTRACT	(i)		
J	1	DEPRECIATION/AMORTIZATION EXPENSE								
J	2									
J	3	PRODUCTION PLANT EXPENSE	PRODPLT	12,248,072	4,226,425	4,435,920	3,476,396	109,332		
J	4									
J	5	TRANSMISSION PLANT EXPENSE	TRANPLT	152,076	52,539	57,064	41,137	1,336		
J	6									
J	7	DISTRIBUTION PLANT EXPENSE								
J	8	360-Land & Land Rights	PLT_360	0	0	0	0	0		
J	9	361-Structures & Improvements	PLT_361	6,712	2,319	2,519	1,816	59		
J	10	362-Station Equipment	PLT_362	1,378,511	476,242	517,265	372,890	12,114		
J	11	364-Poles, Towers & Fixtures	PLT_364	1,606,526	572,827	622,170	396,958	14,570		
J	12	365-Overhead Conductors & Devices	PLT_365	986,089	348,329	378,334	250,565	8,860		
J	13	366-Underground Conduit	PLT_366	95,673	35,114	38,138	21,528	893		
J	14	367-Underground Conductors & Devices	PLT_367	1,027,379	381,518	414,382	221,775	9,704		
J	15	368-Line Transformers	PLT_368	848,769	338,233	367,368	134,565	8,603		
J	16	369-Services	PLT_369	725,297	393,958	266,304	65,035	0		
J	17	370-Meters	PLT_370	76,864	55,100	17,205	4,424	136		
J	18	371-Installation on Customer Premises	PLT_371	53,434	0	0	0	53,434		
J	19	373-Street Lighting & Signal Systems	PLT_373	44,007	0	0	0	44,007		
J	20	Distribution Plant Annualization	DISTPLT	671,006	255,450	257,122	143,359	15,075		
J	21	TOTAL DISTRIBUTION PLANT EXPENSE		7,520,266	2,859,090	2,880,808	1,612,914	167,454		
J	22									
J	23	GENERAL PLANT EXPENSE	GENLPLT	1,924,524	835,797	637,393	427,616	23,718		
J	24									
J	25	OTHER UTILITY DEPRECIATION EXPENSE	SALWAGES	1,896,687	824,531	627,778	421,019	23,359		
J	26									
J	27	TOTAL DEPRECIATION EXPENSE		23,741,627	8,798,382	8,638,963	5,979,083	325,200		
J	28									
J	29	PLANT ACQUISITION ADJUSTMENT	SALWAGES	88,945	38,666	29,439	19,744	1,095		
J	30									
J	31	TOTAL DEPRECIATION/AMORTIZATION EXPENSE		23,830,572	8,837,048	8,668,402	5,998,826	326,295		
J	32									
J	33									
J	34									
J	35									
J	36									
J	37									
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J	46									

BLACK HILLS POWER, INC.
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SCH LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
	(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
L 1	OTHER OPERATING EXPENSES								
L 2									
L 3	TAXES OTHER THAN INCOME TAXES								
L 4	Federal Taxes								
L 5	FICA Tax	SALWAGES	2,521,050	1,095,955	834,433	559,613	31,048		
L 6	Unemployment Tax	SALWAGES	19,681	8,556	6,514	4,369	242		
L 7									
L 8	State Taxes								
L 9	Unemployment Tax	SALWAGES	84,505	36,736	27,970	18,758	1,041		
L 10	Montana Electric Energy Tax	CLAIMREV	0	0	0	0	0		
L 11	Wyoming Franchise Taxes	CLAIMREV	0	0	0	0	0		
L 12	South Dakota PUC Tax	CLAIMREV	236,757	93,117	83,078	57,455	3,108		
L 13	Wyoming Sales Tax	CLAIMREV	0	0	0	0	0		
L 14									
L 15	Local Taxes								
L 16	Property	TOTPLT	4,149,657	1,510,584	1,522,118	1,060,034	56,921		
L 17									
L 18	TOIT - Payroll Loading & Other	SALWAGES	(2,834,001)	(1,232,002)	(938,016)	(629,081)	(34,902)		
L 19									
L 20	TOTAL TAXES OTHER THAN INCOME		4,177,650	1,512,947	1,536,098	1,071,148	57,457		
L 21									
L 22									
L 23									
L 24									
L 25									
L 26									
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BLACK HILLS POWER, INC.
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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
K	1	DEVELOPMENT OF INCOME TAXES								
K	2									
K	3	TOTAL OPERATING REVENUES	SCH I, LN 17	122,698,634	48,335,573	42,748,775	29,834,778	1,779,508		
K	4									
K	5	LESS:								
K	6	OPERATION & MAINTAINENCE EXPENSE	SCH H, LN 178	60,204,304	25,352,220	20,200,767	13,887,146	764,172		
K	7	DEPRECIATION EXPENSE	SCH J, LN 27	23,741,627	8,798,382	8,638,963	5,979,083	325,200		
K	8	AMORTIZATION EXPENSE	SCH J, LN 29	88,945	38,666	29,439	19,744	1,095		
K	9	TAXES OTHER THAN INCOME TAXES	SCH L, LN 20	4,177,650	1,512,947	1,536,098	1,071,148	57,457		
K	10	MT STATE INCOME TAXES	CLAIMREV	0	0	0	0	0		
K	11									
K	12	NET OPERATING INCOME BEFORE TAXES		34,486,108	12,633,358	12,343,509	8,877,658	631,584		
K	13	AFUDC	TOTPLT	(446,127)	(162,402)	(163,642)	(113,963)	(6,120)		
K	14	Interest Expense (Rate Base * Wtd Cost of Debt)		13,543,131	4,949,093	4,950,151	3,463,622	180,265		
K	15	Subtotal		21,389,103	7,846,667	7,556,999	5,527,999	457,438		
K	16									
K	17	Tax Adjustments:								
K	18	Permanent - Salaries & Wages	SALWAGES	148,859	64,712	49,270	33,043	1,833		
K	19	Permanent - Plant	TOTPLT	(171,680)	(62,496)	(62,973)	(43,856)	(2,355)		
K	20	Temporary - Salaries & Wages	SALWAGES	(4,282,786)	(1,861,820)	(1,417,544)	(950,676)	(52,745)		
K	21	Temporary - Plant	TOTPLT	(34,814,368)	(12,673,346)	(12,770,109)	(8,893,364)	(477,550)		
K	22	Temporary - Customer	CUST	(29,001)	(23,361)	(5,287)	(69)	(284)		
K	23	Temporary - Other	CLAIMREV	(4,149,215)	(1,631,888)	(1,455,956)	(1,006,910)	(54,461)		
K	24	Subtotal		(43,298,191)	(16,188,199)	(15,662,598)	(10,861,832)	(585,561)		
K	25									
K	26	TAXABLE INCOME (NOL)		(21,909,088)	(8,341,532)	(8,105,599)	(5,333,833)	(128,124)		
K	27									
K	28	Federal Income Tax @ 35%		(7,668,181)	(2,919,536)	(2,836,960)	(1,866,842)	(44,843)		
K	29									
K	30	Other Tax Adjustments	TOTPLT	13,658,967	4,972,223	5,010,187	3,489,196	187,360		
K	31									
K	32	TOTAL FEDERAL INCOME TAX		5,990,787	2,052,687	2,173,228	1,622,355	142,517		
K	33									
K	34	TOTAL INCOME TAXES		5,990,787	2,052,687	2,173,228	1,622,355	142,517		
K	35									
K	36									
K	37									
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K	46									

BLACK HILLS POWER, INC.
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SCH LINE NO. NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
	(a)	(b)	(c)	(d)	(e)	(h)	(i)		
K	47								
K	48								
K	49								
K	50								
K	51								
K	52								
K	53								
K	54								
K	55	TAX RATES							
K	56	STATE TAX RATE			0.00%				
K	57	FEDERAL TAX RATE - CURRENT			35.00%				
K	58								
K	59								
K	60								
K	61								
K	62	WEIGHTED COST OF DEBT			3.09%				
K	63								
K	64								
K	65								
K	66								
K	67								
K	68								
K	69								
K	70								
K	71								
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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
H-1	1	DEVELOPMENT OF SALARIES & WAGES ALLOCATION FACTOR								
H-1	2									
H-1	3	PRODUCTION SALARIES & WAGES EXPENSE								
H-1	4	Operation	OX_PROD	3,442,324	1,187,838	1,246,716	977,042	30,728		
H-1	5	Maintenance	MX_PROD	2,677,205	923,819	969,611	759,877	23,898		
H-1	6	TOTAL PRODUCTION		6,119,529	2,111,657	2,216,327	1,736,918	54,626		
H-1	7									
H-1	8	TRANSMISSION SALARIES & WAGES EXPENSE								
H-1	9	Operation	OX_TRAN	223,966	77,375	84,040	60,583	1,968		
H-1	10	Maintenance	MX_TRAN	57,860	19,989	21,711	15,651	508		
H-1	11	TOTAL TRANSMISSION		281,826	97,364	105,751	76,234	2,477		
H-1	12									
H-1	13	DISTRIBUTION SALARIES & WAGES EXPENSE								
H-1	14	Operation	OX_DIST	1,673,225	801,494	557,766	296,811	17,153		
H-1	15	Maintenance	MX_DIST	753,369	263,042	276,154	176,012	38,160		
H-1	16	TOTAL DISTRIBUTION		2,426,594	1,064,536	833,920	472,823	55,313		
H-1	17									
H-1	18	CUSTOMER ACCOUNTS SAL & WAGES EXP	OX_CA	905,521	742,285	152,069	2,246	8,921		
H-1	19									
H-1	20	CUSTOMER SERVICE SAL & WAGES EXP	OX_CS	581,201	468,169	105,949	1,389	5,695		
H-1	21									
H-1	22	ADMINISTRATIVE & GENERAL SALARIES & WAGES EXP								
H-1	23	Operation	SALWAGXAG	(79,022)	(34,352)	(26,155)	(17,541)	(973)		
H-1	24	Maintenance	SALWAGXAG	12,570	5,465	4,161	2,790	155		
H-1	25	TOTAL ADMINISTRATIVE & GENERAL		(66,451)	(28,888)	(21,995)	(14,751)	(818)		
H-1	26									
H-1	27	TOT OPER & MAINTENANCE LABOR		10,248,219	4,455,123	3,392,022	2,274,861	126,213		
H-1	28									
H-1	29									
H-1	30									
H-1	31									
H-1	32									
H-1	33									
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H-1	46									

BLACK HILLS POWER, INC.
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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
AF	1	ALLOCATION FACTOR TABLE								
AF	2	<u>DEMAND</u>								
AF	3									
AF	4	<u>DEMAND - PRODUCTION RELATED</u>								
AF	5	Demand Production (A&E)	DPROD	1.0000	0.3451	0.36217	0.28383	0.0089		
AF	6									
AF	6									
AF	6									
AF	9	<u>DEMAND - TRANSMISSION RELATED</u>								
AF	10	Demand Transmission (Calculated Maximum Demand)	DTRAN	395,339	136,580	148,345	106,940	3,474		
AF	11									
AF	12									
AF	13									
AF	15									
AF	16									
AF	17									
AF	18									
AF	19									
AF	20	<u>DEMAND - DISTRIBUTION RELATED (Calculated Maximum Demand)</u>								
AF	21	Demand Distribution Primary Substation	DDISPSUB	395,339	136,580	148,345	106,940	3,474		
AF	22	Demand Distribution Primary Overhead Lines	DDISTPOL	395,339	136,580	148,345	106,940	3,474		
AF	23	Demand Distribution Primary Underground Lines	DDISTPUL	395,339	136,580	148,345	106,940	3,474		
AF	24									
AF	25	Demand Distribution Secondary Overhead Lines	DDISTSOL	342,737	136,580	148,345	54,338	3,474		
AF	26	Demand Distribution Secondary Underground Lines	DDISTSUL	342,737	136,580	148,345	54,338	3,474		
AF	27	Demand Distribution Overhead Line Transformers	DDISTSOT	342,737	136,580	148,345	54,338	3,474		
AF	28	Demand Distribution Undergrnd Line Transformers	DDISTSUT	342,737	136,580	148,345	54,338	3,474		
AF	29									
AF	30									
AF	31									
AF	32									
AF	33									
AF	34									
AF	35									
AF	36									
AF	37									
AF	38									
AF	39									
AF	40									
AF	41									
AF	42									
AF	43									
AF	44									
AF	45									
AF	46									

BLACK HILLS POWER, INC.
ADJUSTED RETAIL ELECTRIC CLASS COST OF SERVICE STUDY
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		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
AF	47	ALLOCATION FACTOR TABLE CONTINUED								
AF	48									
AF	49	<u>ENERGY</u>								
AF	50	Energy @ Generation with losses (kWh)	ENEFUEL	1,570,509,094	538,396,006	454,822,635	562,072,285	15,218,168		
AF	51	Energy @ Generation with losses(kWh)	ENERGY1	1,570,509,094	538,396,006	454,822,635	562,072,285	15,218,168		
AF	52	Energy @ Meter (kWh Sales)	ENERGY2	1,451,286,926	494,712,860	417,920,275	524,670,360	13,983,431		
AF	53									
AF	54									
AF	55									
AF	56									
AF	57									
AF	58									
AF	59									
AF	60									
AF	61	<u>CUSTOMER</u>								
AF	62									
AF	63	Customer Dist. Primary Substation	CDISPSUB	65,012	52,369	11,851	154	637		
AF	64	Customer Dist. Primary Overhead Lines	CDISTPOL	64,375	52,369	11,851	154	0		
AF	65	Customer Dist. Primary Underground Lines	CDISTPUL	64,375	52,369	11,851	154	0		
AF	66									
AF	67									
AF	68									
AF	69									
AF	70									
AF	71									
AF	72	369-Services	CSERVICE	605,996	329,158	222,500	54,338	-		
AF	73	370-Meters	CMETERS	14,146,138	10,140,616	3,166,440	814,117	24,966		
AF	74									
AF	75	902-Meter Reading	CMETRDG	774,309	628,429	142,216	1,852	1,812		
AF	76	903-Customer Records and Collections	CUSTREC	780,153	628,429	142,216	1,864	7,644		
AF	77	905-Miscellaneous Customer Accounts	CUSTCAM	65,013	52,369	11,851	155	637		
AF	78	908-Customer Assistance	CUSTASST	65,013	52,369	11,851	155	637		
AF	79	909-Advertisement	CUSTADVT	65,013	52,369	11,851	155	637		
AF	80	910-Miscellaneous Customer Service	CUSTCSM	65,013	52,369	11,851	155	637		
AF	81									
AF	82									
AF	83									
AF	84	371-Installation on Customer Premises	CUSTPREM	126	0	0	0	126		
AF	85	373-Street Lighting & Signal Systems	CLIGHT	4,234,673	0	0	0	4,234,673		
AF	86									
AF	87	Number of Bills	CUSTBILLS	780,153	628,429	142,216	1,864	7,644		
AF	88	Number of Customers	CUST	65,013	52,369	11,851	155	637		
AF	89									
AF	90									
AF	91									
AF	92									

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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
AF	93	ALLOCATION FACTOR TABLE CONTINUED								
AF	94	<u>INTERNALLY DEVELOPED ALLOCATION FACTORS</u>								
AF	95									
AF	96	Plant								
AF	97	Prod, Trans, and Distr Plant in Service	PTDPLT	746,830,905	267,416,752	276,258,634	192,800,523	10,354,996		
AF	98	Distribution Plant Excl Not Classified	DISTPLTXNC	247,782,678	94,330,344	94,947,452	52,938,097	5,566,784		
AF	99	Rate Base	RATEBASE	438,289,043	160,164,825	160,199,058	112,091,333	5,833,827		
AF	100	Total Electric Plant In Service	TOTPLT	815,548,913	296,881,260	299,147,992	208,332,750	11,186,911		
AF	101	Production Plant In Service	PRODPLT	470,474,266	162,345,891	170,393,026	133,535,680	4,199,669		
AF	102	Transmission Plant in Service	TRANPLT	3,904,640	1,348,958	1,465,157	1,056,213	34,312		
AF	103	Distribution Plant in Service	DISTPLT	272,451,999	103,721,903	104,400,450	58,208,631	6,121,015		
AF	104	Total Transmission and Distribution Plant	TDPLT	276,356,639	105,070,861	105,865,608	59,264,844	6,155,327		
AF	105	General Plant in Service	GENLPLT	42,601,574	18,501,329	14,109,438	9,465,781	525,026		
AF	106									
AF	107	Account 360	PLT_360	1,552,057	536,198	582,386	419,835	13,639		
AF	108	Account 361	PLT_361	246,766	85,252	92,595	66,751	2,168		
AF	109	Account 362	PLT_362	45,100,101	15,580,987	16,923,133	12,199,669	396,312		
AF	110	Account 364	PLT_364	59,063,449	21,059,818	22,873,911	14,594,050	535,670		
AF	111	Account 365	PLT_365	36,253,256	12,806,224	13,909,352	9,211,945	325,735		
AF	112	Account 366	PLT_366	3,517,373	1,290,941	1,402,143	791,453	32,836		
AF	113	Account 367	PLT_367	37,771,301	14,026,393	15,234,627	8,153,511	356,770		
AF	114	Account 368	PLT_368	31,204,759	12,435,033	13,506,187	4,947,246	316,293		
AF	115	Account 369	PLT_369	26,665,348	14,483,764	9,790,576	2,391,008	0		
AF	116	Account 370	PLT_370	2,825,893	2,025,733	632,542	162,631	4,987		
AF	117	Account 371	PLT_371	1,964,488	0	0	0	1,964,488		
AF	118	Account 373	PLT_373	1,617,886	0	0	0	1,617,886		
AF	119	Distribution Overhead Plant in Service	OHDIST	95,316,705	33,866,042	36,783,263	23,805,995	861,405		
AF	120	Distribution Underground Plant in Service	UGDIST	41,288,674	15,317,335	16,636,770	8,944,963	389,606		
AF	121	Account 371&373	PLT_3713	3,582,374	0	0	0	3,582,374		
AF	122									
AF	123	Other Customer Class	DPLTOTH	3,035,340	0	3,035,340	0	0		
AF	124	Residential Regular Sales Revenue	DPLTRESR	32,621,709	32,621,709	0	0	0		
AF	125	Residential Electric Sales Revenue	DPLTRESE	8,104,922	8,104,922	0	0	0		
AF	126	Residential Demand Sales Revenue	DPLTRESD	8,456,746	8,456,746	0	0	0		
AF	127	GS Regular Sales Revenue	DPLTGSR	43,081,009	0	43,081,009	0	0		
AF	128	GS Total Electric Sales Revenue	DPLTGSE	5,095,870	0	5,095,870	0	0		
AF	129	GSL Secondary	DPLTGSLs	18,735,633	0	0	18,735,633	0		
AF	130	GSL Primary	DPLTGSLP	3,627,324	0	0	3,627,324	0		
AF	131									
AF	132									
AF	133									
AF	134	Total O&M less Fuel and Purchased Power	OMXFPP	60,642,235	25,503,336	20,359,373	14,011,445	768,081		
AF	135	Supervised O&M Expense excluding CUS	OMXFPT	28,846,158	12,400,421	9,571,885	6,475,200	398,652		
AF	136									
AF	137									
AF	138									

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	(a)	(b)	(c)	(d)	(e)	(h)	(i)		
AF 139	ALLOCATION FACTOR TABLE CONTINUED								
AF 140	<u>INTERNALLY DEVELOPED ALLOCATION FACTORS</u>								
AF 141	Production Expense								
AF 142	Account 500	OX_500	1,513,626	522,305	548,194	429,616	13,511		
AF 143	Account 501	OX_501	0	0	0	0	0		
AF 144	Account 502	OX_502	1,855,537	640,288	672,025	526,661	16,563		
AF 145	Account 505	OX_505	736,512	254,147	266,745	209,046	6,574		
AF 146	Account 506	OX_506	676,496	233,438	245,009	192,011	6,039		
AF 147	Account 510	MX_510	1,380,126	476,238	499,844	391,724	12,320		
AF 148	Account 511	MX_511	724,087	249,860	262,245	205,519	6,464		
AF 149	Account 512	MX_512	3,622,082	1,249,867	1,311,820	1,028,063	32,332		
AF 150	Account 513	MX_513	316,511	109,218	114,632	89,836	2,825		
AF 151	Account 514	MX_514	111,440	38,455	40,361	31,630	995		
AF 152	Account 546	OX_546	194,748	67,201	70,532	55,276	1,738		
AF 153	Account 547	OX_547	0	0	0	0	0		
AF 154	Account 548	OX_548	399,813	137,963	144,802	113,480	3,569		
AF 155	Account 549	OX_549	78,392	27,051	28,391	22,250	700		
AF 156	Account 551	MX_551	779,030	268,819	282,143	221,114	6,954		
AF 157	Account 552	MX_552	88,718	30,614	32,131	25,181	792		
AF 158	Account 553	MX_553	1,774,691	612,390	642,745	503,714	15,842		
AF 159	Account 554	MX_554	177,304	61,182	64,215	50,325	1,583		
AF 160	Account 556	OX_556	702,952	242,567	254,590	199,520	6,275		
AF 161	Account 555	OX_555	6,642,209	2,292,018	2,405,628	1,885,272	59,291		
AF 162	Account 557	OX_557	0	0	0	0	0		
AF 163	O&M Expense Production Operation	OX_PROD	3,746,751	1,292,886	1,356,972	1,063,448	33,445		
AF 164	O&M Expense Production Maintenance	MX_PROD	13,672,011	4,717,781	4,951,632	3,880,555	122,043		
AF 165	Salaries and Wages Production Operation	SALWAGPO	3,442,324	1,187,838	1,246,716	977,042	30,728		
AF 166	Salaries and Wages Production Maintenance	SALWAGPM	2,677,205	923,819	969,611	759,877	23,898		
AF 167	Transmission Expense								
AF 168	Account 560	OX_560	278,673	96,275	104,568	75,382	2,449		
AF 169	Account 561	OX_561	0	0	0	0	0		
AF 170	Account 562	OX_562	0	0	0	0	0		
AF 171	Account 563	OX_563	44,983	15,540	16,879	12,168	395		
AF 172	Account 565	OX_565	0	0	0	0	0		
AF 173	Account 566	OX_566	47,838	16,527	17,951	12,940	420		
AF 174	Account 567	OX_567	0	0	0	0	0		
AF 175	Account 568	MX_568	0	0	0	0	0		
AF 176	Account 569	MX_569	0	0	0	0	0		
AF 177	Account 570	MX_570	68,806	23,771	25,819	18,612	605		
AF 178	Account 571	MX_571	74,211	25,638	27,846	20,074	652		
AF 179	Account 573	MX_573	0	0	0	0	0		
AF 180	O&M Accounts 561-567	OX_TRAN	92,821	32,067	34,830	25,108	816		
AF 181	O&M Accounts 569-573	MX_TRAN	143,017	49,409	53,665	38,686	1,257		
AF 182	Salaries & Wages Accounts 561-567	SALWAGTO	223,966	77,375	84,040	60,583	1,968		
AF 183	Salaries & Wages Accounts 569-573	SALWAGTM	57,860	19,989	21,711	15,651	508		
AF 184									

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	(a)	(b)	(c)	(d)	(e)	(h)	(i)		
AF 185	ALLOCATION FACTOR TABLE CONTINUED								
AF 186	<u>INTERNALLY DEVELOPED ALLOCATION FACTORS</u>								
AF 187	Distribution Expense								
AF 188	Account 580	OX_580	762,045	365,028	254,026	135,178	7,812		
AF 189	Account 581	OX_581	225,430	85,821	86,382	48,163	5,065		
AF 190	Account 582	OX_582	370,464	127,986	139,011	100,211	3,255		
AF 191	Account 583	OX_583	430,270	152,875	166,043	107,463	3,888		
AF 192	Account 584	OX_584	303,277	112,510	122,202	65,703	2,862		
AF 193	Account 585	OX_585	85	0	0	0	85		
AF 194	Account 586	OX_586	830,061	595,027	185,799	47,770	1,465		
AF 195	Account 587	OX_587	27,539	19,742	6,164	1,585	49		
AF 196	Account 588	OX_588	452,835	172,393	173,521	96,747	10,174		
AF 197	Account 589	OX_589	18,122	6,899	6,944	3,872	407		
AF 198	Account 590	MX_590	1,481	517	543	346	75		
AF 199	Account 592	MX_592	300,159	103,698	112,630	81,194	2,638		
AF 200	Account 593	MX_593	2,436,767	865,784	940,362	608,599	22,022		
AF 201	Account 594	MX_594	188,948	70,096	76,134	40,934	1,783		
AF 202	Account 595	MX_595	36,894	14,702	15,968	5,849	374		
AF 203	Account 596	MX_596	134,130	0	0	0	134,130		
AF 204	Account 597	MX_597	71,733	51,422	16,057	4,128	127		
AF 205	Account 598	MX_598	20,337	7,742	7,793	4,345	457		
AF 206	O&M Accounts 581-589	OX_DIST	2,658,084	1,273,253	886,067	471,514	27,250		
AF 207	O&M Accounts 591-598	MX_DIST	3,188,968	1,113,444	1,168,945	745,050	161,530		
AF 208	Salaries & Wages Accounts 581-589	SALWAGDO	1,673,225	801,494	557,766	296,811	17,153		
AF 209	Salaries & Wages Accounts 591-598	SALWAGDM	753,369	263,042	276,154	176,012	38,160		
AF 210									
AF 211	Account 902	OX_902	58,382	47,383	10,723	140	137		
AF 212	Account 903	OX_903	1,587,900	1,279,084	289,462	3,795	15,558		
AF 213	Account 904	OX_904	385,993	350,728	29,717	1,179	4,369		
AF 214	O&M Accounts 902-905	OX_CA	2,825,443	2,316,108	474,491	7,009	27,836		
AF 215	Salaries & Wages Accounts 902-905	SALWAGCA	905,521	742,285	152,069	2,246	8,921		
AF 216									
AF 217	Account 908	OX_908	1,006,374	810,654	183,454	2,405	9,861		
AF 218	Account 909	OX_909	5,073	4,087	925	12	50		
AF 219	Account 910	OX_910	56,057	45,155	10,219	134	549		
AF 220	O&M Accounts 908-910	OX_CS	1,067,504	859,895	194,598	2,551	10,459		
AF 221	Salaries & Wages Accounts 908-910	SALWAGCS	581,201	468,169	105,949	1,389	5,695		
AF 222									
AF 223	Salaries & Wages Excluding Admin & Gen	SALWAGXAG	10,314,670	4,484,011	3,414,016	2,289,611	127,031		
AF 224	Total Salaries and Wages Expense	SALWAGES	10,248,219	4,455,123	3,392,022	2,274,861	126,213		
AF 225									
AF 226									
AF 227									
AF 228									
AF 229									
AF 230									

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		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
AF	231	REVENUES AND BILLING DETERMINANTS								
AF	232									
AF	233	Base Rate Sales Revenue	SALESREV	105,368,260	42,082,273	36,395,788	25,340,827	1,549,371		
AF	234	Other Sales Revenue	SREVOTH	1,313,289	0	1,313,289	0	0		
AF	235	Residential Regular Sales Revenue	SREVRESR	31,063,446	31,063,446	0	0	0		
AF	236	Residential Total Electric Sales Revenue	SREVRESE	5,955,950	5,955,950	0	0	0		
AF	237	Residential Total Electric Demand Sales Rev	SREVRESED	5,062,877	5,062,877	0	0	0		
AF	238	GS Regular Sales Revenue	SREVGSR	30,333,842	0	30,333,842	0	0		
AF	239	GS Total Electric Sales Revenue	SREVGSE	2,903,762	0	2,903,762	0	0		
AF	240	GS Total Other Sales Revenue	SREVGSO	1,844,895	0	1,844,895	0	0		
AF	241	GSL Secondary	SREVGSL	14,660,828	0	0	14,660,828	0		
AF	242	GSL Primary	SREVGSLP	3,671,060	0	0	3,671,060	0		
AF	243	GSL Other	SREVGSL	945,679	0	0	945,679	0		
AF	244	Traffic Signals & Flashers	SREVTSF	54,390	0	0	0	54,390		
AF	245	Private Area Lighting Leased	SREVPAL	480,413	0	0	0	480,413		
AF	246	Street Lighting Leased	SREVSL	674,512	0	0	0	674,512		
AF	247	Street Lighting Energy & Maint Cust Owned	SREVSLEM	282,977	0	0	0	282,977		
AF	248	Street Lighting Non-Metered Services/Rentals	SREVSLSR	57,079	0	0	0	57,079		
AF	249						0			
AF	250	Claimed Rate Sales Revenue	CLAIMREV	119,114,085	46,847,631	41,797,029	28,905,989	1,563,437		
AF	251									
AF	252	<u>PRESENT REVENUES FROM SALES INPUT</u>								
AF	253									
AF	254	Total Sales of Electricity Revenues		105,368,260	42,082,273	36,395,788	25,340,827	1,549,371		
AF	255									
AF	256	Sales of Electricity Revenues		105,368,260	42,082,273	36,395,788	25,340,827	1,549,371		
AF	257									
AF	258									
AF	259									
AF	260	<u>BILLING DETERMINATE INPUTS</u>								
AF	261	Number of Customer Bills	SCH AF, LN 87	780,153	628,429	142,216	1,864	7,644		
AF	262	Annual kWh Sales @ Meter	SCH AF, LN 52	1,451,286,926	494,712,860	417,920,275	524,670,360	13,983,431		
AF	263	Annual kW - Billed		3,320,546	417,090	1,570,707	1,332,749	0		
AF	264									
AF	265									
AF	266	<u>RATE OF RETURN</u>								
AF	267	Rate of Return (Equalized)	SCH AF, LN 267	8.54%	8.54%	8.54%	8.54%	8.54%		
AF	268									
AF	269									
AF	270	<u>PROPOSED REVENUES FROM SALES INPUT</u>								
AF	271	Annual kWh Sales - Proposed	SCH AF, LN 262	1,451,286,926	494,712,860	417,920,275	524,670,360	13,983,431		
AF	272	Sales of Electricity Revenues - Proposed Total		119,114,085	46,847,631	41,797,029	28,905,989	1,563,437		
AF	273	Sales of Electricity Revenues - Proposed		119,114,085	46,847,631	41,797,029	28,905,989	1,563,437		
AF	274	Credit		0	0	0	0	0		
AF	275	Credit	DPROD	0	0	0	0	0		
AF	276									

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		(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
AP	1	ALLOCATION PROPORTIONS TABLE								
AP	2	<u>DEMAND</u>								
AP	3									
AP	4	<u>DEMAND - PRODUCTION RELATED</u>								
AP	5	Demand Production (A&E)	DPROD	1.00000	0.34507	0.36217	0.28383	0.00893		
AP	6			0.00000	0.00000	0.00000	0.00000	0.00000		
AP	6			0.00000	0.00000	0.00000	0.00000	0.00000		
AP	6			0.00000	0.00000	0.00000	0.00000	0.00000		
AP	6			0.00000	0.00000	0.00000	0.00000	0.00000		
AP	9	<u>DEMAND - TRANSMISSION RELATED</u>								
AP	10	Demand Transmission (Calculated Maximum Demand)	DTRAN	1.00000	0.34548	0.37523	0.27050	0.00879		
AP	11									
AP	12									
AP	13									
AP	15									
AP	16									
AP	17									
AP	18									
AP	19									
AP	20	<u>DEMAND - DISTRIBUTION RELATED (Calculated Maximum)</u>								
AP	21	Demand Distribution Primary Substation	DDISPSUB	1.00000	0.34548	0.37523	0.27050	0.00879		
AP	22	Demand Distribution Primary Overhead Lines	DDISTPOL	1.00000	0.34548	0.37523	0.27050	0.00879		
AP	23	Demand Distribution Primary Underground Lines	DDISTPUL	1.00000	0.34548	0.37523	0.27050	0.00879		
AP	24									
AP	25	Demand Distribution Secondary Overhead Lines	DDISTSOL	1.00000	0.39850	0.43282	0.15854	0.01014		
AP	26	Demand Distribution Secondary Underground Lines	DDISTSUL	1.00000	0.39850	0.43282	0.15854	0.01014		
AP	27	Demand Distribution Overhead Line Transformers	DDISTSOT	1.00000	0.39850	0.43282	0.15854	0.01014		
AP	28	Demand Distribution Undergrnd Line Transformers	DDISTSUT	1.00000	0.39850	0.43282	0.15854	0.01014		
AP	29									
AP	30									
AP	31									
AP	32									
AP	33									
AP	34									
AP	35									
AP	36									
AP	37									
AP	38									
AP	39									
AP	40									
AP	41									
AP	42									
AP	43									
AP	44									
AP	45									
AP	46									

BLACK HILLS POWER, INC.
ADJUSTED RETAIL ELECTRIC CLASS COST OF SERVICE STUDY
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SCH NO.	LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
AP	47	ALLOCATION PROPORTIONS TABLE CONTINUED								
AP	48									
AP	49	<u>ENERGY</u>								
AP	50	Energy @ Generation with losses (kWh)	ENEFUEL	1.00000	0.34282	0.28960	0.35789	0.00969		
AP	51	Energy @ Generation with losses(kWh)	ENERGY1	1.00000	0.34282	0.28960	0.35789	0.00969		
AP	52	Energy @ Meter (kWh Sales)	ENERGY2	1.00000	0.34088	0.28797	0.36152	0.00964		
AP	53									
AP	54									
AP	55									
AP	56									
AP	57									
AP	58									
AP	59									
AP	60									
AP	61	<u>CUSTOMER</u>								
AP	62									
AP	63	Customer Dist. Primary Substation	CDISPSUB	1.00000	0.80553	0.18230	0.00237	0.00980		
AP	64	Customer Dist. Primary Overhead Lines	CDISTPOL	1.00000	0.81350	0.18410	0.00240	0.00000		
AP	65	Customer Dist. Primary Underground Lines	CDISTPUL	1.00000	0.81350	0.18410	0.00240	0.00000		
AP	66									
AP	67									
AP	68									
AP	69									
AP	70									
AP	71									
AP	72	369-Services	CSERVICE	1.00000	0.54317	0.36716	0.08967	0.00000		
AP	73	370-Meters	CMETERS	1.00000	0.71685	0.22384	0.05755	0.00176		
AP	74									
AP	75	902-Meter Reading	CMETRDG	1.00000	0.81160	0.18367	0.00239	0.00234		
AP	76	903-Customer Records and Collections	CUSTREC	1.00000	0.80552	0.18229	0.00239	0.00980		
AP	77	905-Miscellaneous Customer Accounts	CUSTCAM	1.00000	0.80552	0.18229	0.00239	0.00980		
AP	78	908-Customer Assistance	CUSTASST	1.00000	0.80552	0.18229	0.00239	0.00980		
AP	79	909-Advertisement	CUSTADVT	1.00000	0.80552	0.18229	0.00239	0.00980		
AP	80	910-Miscellaneous Customer Service	CUSTCSM	1.00000	0.80552	0.18229	0.00239	0.00980		
AP	81									
AP	82			0.00000	0.00000	0.00000	0.00000	0.00000		
AP	83									
AP	84	371-Installation on Customer Premises	CUSTPREM	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	85	373-Street Lighting & Signal Systems	CLIGHT	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	86									
AP	87	Number of Bills	CUSTBILLS	1.00000	0.80552	0.18229	0.00239	0.00980		
AP	88	Number of Customers	CUST	1.00000	0.80552	0.18229	0.00239	0.00980		
AP	89									
AP	90									
AP	91									
AP	92									

BLACK HILLS POWER, INC.
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		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
AP	93	ALLOCATION PROPORTIONS TABLE CONTINUED								
AP	94	<u>INTERNALLY DEVELOPED ALLOCATION FACTORS</u>								
AP	95									
AP	96	Plant								
AP	97	Prod, Trans, and Distr Plant in Service	PTDPLT	1.00000	0.35807	0.36991	0.25816	0.01387		
AP	98	Distribution Plant Excl Not Classified	DISTPLTXNC	1.00000	0.38070	0.38319	0.21365	0.02247		
AP	99	Rate Base	RATEBASE	1.00000	0.36543	0.36551	0.25575	0.01331		
AP	100	Total Electric Plant In Service	TOTPLT	1.00000	0.36403	0.36681	0.25545	0.01372		
AP	101	Production Plant In Service	PRODPLT	1.00000	0.34507	0.36217	0.28383	0.00893		
AP	102	Transmission Plant in Service	TRANPLT	1.00000	0.34548	0.37523	0.27050	0.00879		
AP	103	Distribution Plant in Service	DISTPLT	1.00000	0.38070	0.38319	0.21365	0.02247		
AP	104	Total Transmission and Distribution Plant	TDPLT	1.00000	0.38020	0.38308	0.21445	0.02227		
AP	105	General Plant in Service	GENLPLT	1.00000	0.43429	0.33120	0.22219	0.01232		
AP	106									
AP	107	Account 360	PLT_360	1.00000	0.34548	0.37523	0.27050	0.00879		
AP	108	Account 361	PLT_361	1.00000	0.34548	0.37523	0.27050	0.00879		
AP	109	Account 362	PLT_362	1.00000	0.34548	0.37523	0.27050	0.00879		
AP	110	Account 364	PLT_364	1.00000	0.35656	0.38728	0.24709	0.00907		
AP	111	Account 365	PLT_365	1.00000	0.35324	0.38367	0.25410	0.00898		
AP	112	Account 366	PLT_366	1.00000	0.36702	0.39863	0.22501	0.00934		
AP	113	Account 367	PLT_367	1.00000	0.37135	0.40334	0.21587	0.00945		
AP	114	Account 368	PLT_368	1.00000	0.39850	0.43282	0.15854	0.01014		
AP	115	Account 369	PLT_369	1.00000	0.54317	0.36716	0.08967	0.00000		
AP	116	Account 370	PLT_370	1.00000	0.71685	0.22384	0.05755	0.00176		
AP	117	Account 371	PLT_371	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	118	Account 373	PLT_373	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	119	Distribution Overhead Plant in Service	OHDIST	1.00000	0.35530	0.38591	0.24976	0.00904		
AP	120	Distribution Underground Plant in Service	UGDIST	1.00000	0.37098	0.40294	0.21664	0.00944		
AP	121	Account 371&373	PLT_3713	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	122									
AP	123	Other Customer Class	DPLTOTH	1.00000	0.00000	1.00000	0.00000	0.00000		
AP	124	Residential Regular Sales Revenue	DPLTRESR	1.00000	1.00000	0.00000	0.00000	0.00000		
AP	125	Residential Electric Sales Revenue	DPLTRESE	1.00000	1.00000	0.00000	0.00000	0.00000		
AP	126	Residential Demand Sales Revenue	DPLTRESD	1.00000	1.00000	0.00000	0.00000	0.00000		
AP	127	GS Regular Sales Revenue	DPLTGSR	1.00000	0.00000	1.00000	0.00000	0.00000		
AP	128	GS Total Electric Sales Revenue	DPLTGSE	1.00000	0.00000	1.00000	0.00000	0.00000		
AP	129	GSL Secondary	DPLTGSLs	1.00000	0.00000	0.00000	1.00000	0.00000		
AP	130	GSL Primary	DPLTGSLP	1.00000	0.00000	0.00000	1.00000	0.00000		
AP	131									
AP	132									
AP	133									
AP	134	Total O&M less Fuel and Purchased Power	OMXFPP	1.00000	0.42055	0.33573	0.23105	0.01267		
AP	135	Supervised O&M Expense excluding CUS	OMXFPTT							
AP	136									
AP	137									
AP	138									

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SCH LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
	(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
AP 139	ALLOCATION PROPORTIONS TABLE CONTINUED								
AP 140	INTERNALLY DEVELOPED ALLOCATION FACTORS								
AP 141	Production Expense								
AP 142	Account 500	OX_500	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 143	Account 501	OX_501	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 144	Account 502	OX_502	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 145	Account 505	OX_505	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 146	Account 506	OX_506	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 147	Account 510	MX_510	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 148	Account 511	MX_511	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 149	Account 512	MX_512	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 150	Account 513	MX_513	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 151	Account 514	MX_514	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 152	Account 546	OX_546	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 153	Account 547	OX_547	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 154	Account 548	OX_548	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 155	Account 549	OX_549	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 156	Account 551	MX_551	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 157	Account 552	MX_552	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 158	Account 553	MX_553	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 159	Account 554	MX_554	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 160	Account 556	OX_556	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 161	Account 555	OX_555	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 162	Account 557	OX_557	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 163	O&M Expense Production Operation	OX_PROD	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 164	O&M Expense Production Maintenance	MX_PROD	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 165	Salaries and Wages Production Operation	SALWAGPO	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 166	Salaries and Wages Production Maintenance	SALWAGPM	1.00000	0.34507	0.36217	0.28383	0.00893		
AP 167	Transmission Expense								
AP 168	Account 560	OX_560	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 169	Account 561	OX_561	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 170	Account 562	OX_562	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 171	Account 563	OX_563	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 172	Account 565	OX_565	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 173	Account 566	OX_566	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 174	Account 567	OX_567	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 175	Account 568	MX_568	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 176	Account 569	MX_569	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 177	Account 570	MX_570	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 178	Account 571	MX_571	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 179	Account 573	MX_573	0.00000	0.00000	0.00000	0.00000	0.00000		
AP 180	O&M Accounts 561-567	OX_TRAN	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 181	O&M Accounts 569-573	MX_TRAN	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 182	Salaries & Wages Accounts 561-567	SALWAGTO	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 183	Salaries & Wages Accounts 569-573	SALWAGTM	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 184									

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	(a)	(b)	(c)	(d)	(e)	(h)	(i)		
AP 185	ALLOCATION PROPORTIONS TABLE CONTINUED								
AP 186	INTERNALLY DEVELOPED ALLOCATION FACTORS								
AP 187	Distribution Expense								
AP 188	Account 580	OX_580	1.00000	0.47901	0.33335	0.17739	0.01025		
AP 189	Account 581	OX_581	1.00000	0.38070	0.38319	0.21365	0.02247		
AP 190	Account 582	OX_582	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 191	Account 583	OX_583	1.00000	0.35530	0.38591	0.24976	0.00904		
AP 192	Account 584	OX_584	1.00000	0.37098	0.40294	0.21664	0.00944		
AP 193	Account 585	OX_585	1.00000	0.00000	0.00000	0.00000	1.00000		
AP 194	Account 586	OX_586	1.00000	0.71685	0.22384	0.05755	0.00176		
AP 195	Account 587	OX_587	1.00000	0.71685	0.22384	0.05755	0.00176		
AP 196	Account 588	OX_588	1.00000	0.38070	0.38319	0.21365	0.02247		
AP 197	Account 589	OX_589	1.00000	0.38070	0.38319	0.21365	0.02247		
AP 198	Account 590	MX_590	1.00000	0.34915	0.36656	0.23363	0.05065		
AP 199	Account 592	MX_592	1.00000	0.34548	0.37523	0.27050	0.00879		
AP 200	Account 593	MX_593	1.00000	0.35530	0.38591	0.24976	0.00904		
AP 201	Account 594	MX_594	1.00000	0.37098	0.40294	0.21664	0.00944		
AP 202	Account 595	MX_595	1.00000	0.39850	0.43282	0.15854	0.01014		
AP 203	Account 596	MX_596	1.00000	0.00000	0.00000	0.00000	1.00000		
AP 204	Account 597	MX_597	1.00000	0.71685	0.22384	0.05755	0.00176		
AP 205	Account 598	MX_598	1.00000	0.38070	0.38319	0.21365	0.02247		
AP 206	O&M Accounts 581-589	OX_DIST	1.00000	0.47901	0.33335	0.17739	0.01025		
AP 207	O&M Accounts 591-598	MX_DIST	1.00000	0.34915	0.36656	0.23363	0.05065		
AP 208	Salaries & Wages Accounts 581-589	SALWAGDO	1.00000	0.47901	0.33335	0.17739	0.01025		
AP 209	Salaries & Wages Accounts 591-598	SALWAGDM	1.00000	0.34915	0.36656	0.23363	0.05065		
AP 210									
AP 211	Account 902	OX_902	1.00000	0.81160	0.18367	0.00239	0.00234		
AP 212	Account 903	OX_903	1.00000	0.80552	0.18229	0.00239	0.00980		
AP 213	Account 904	OX_904	1.00000	0.90864	0.07699	0.00305	0.01132		
AP 214	O&M Accounts 902-905	OX_CA	1.00000	0.81973	0.16794	0.00248	0.00985		
AP 215	Salaries & Wages Accounts 902-905	SALWAGCA	1.00000	0.81973	0.16794	0.00248	0.00985		
AP 216									
AP 217	Account908	OX_908	1.00000	0.80552	0.18229	0.00239	0.00980		
AP 218	Account909	OX_909	1.00000	0.80552	0.18229	0.00239	0.00980		
AP 219	Account910	OX_910	1.00000	0.80552	0.18229	0.00239	0.00980		
AP 220	O&M Accounts 908-910	OX_CS	1.00000	0.80552	0.18229	0.00239	0.00980		
AP 221	Salaries & Wages Accounts 908-910	SALWAGCS	1.00000	0.80552	0.18229	0.00239	0.00980		
AP 222									
AP 223	Salaries & Wages Excluding Admin & Gen	SALWAGXAG	1.00000	0.43472	0.33099	0.22198	0.01232		
AP 224	Total Salaries and Wages Expense	SALWAGES	1.00000	0.43472	0.33099	0.22198	0.01232		
AP 225									
AP 226									
AP 227									
AP 228									
AP 229									
AP 230									

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SCH	LINE	DESCRIPTION	ALLOCATION	TOTAL	RESIDENTIAL	GENERAL	GS LARGE/	LIGHTING		
NO.	NO.	(a)	BASIS	SOUTH	SERVICE	SERVICE	INDUSTRIAL	SERVICE	(j)	(f)
			(b)	DAKOTA	(d)	(e)	(h)	(i)		
AP	231	REVENUES AND BILLING DETERMINANTS								
AP	232									
AP	233	Base Rate Sales Revenue	SALESREV	1.00000	0.39938	0.34542	0.24050	0.01470		
AP	234	Other Sales Revenue	SREVOTH	1.00000	0.00000	1.00000	0.00000	0.00000		
AP	235	Residential Regular Sales Revenue	SREVRESR	1.00000	1.00000	0.00000	0.00000	0.00000		
AP	236	Residential Total Electric Sales Revenue	SREVRESE	1.00000	1.00000	0.00000	0.00000	0.00000		
AP	237	Residential Total Electric Demand Sales Rev	SREVRESED	1.00000	1.00000	0.00000	0.00000	0.00000		
AP	238	GS Regular Sales Revenue	SREVSGSR	1.00000	0.00000	1.00000	0.00000	0.00000		
AP	239	GS Total Electric Sales Revenue	SREVSGSE	1.00000	0.00000	1.00000	0.00000	0.00000		
AP	240	GS Total Other Sales Revenue	SREVSGSO	1.00000	0.00000	1.00000	0.00000	0.00000		
AP	241	GSL Secondary	SREVGSL S	1.00000	0.00000	0.00000	1.00000	0.00000		
AP	242	GSL Primary	SREVGSL P	1.00000	0.00000	0.00000	1.00000	0.00000		
AP	243	GSL Other	SREVGSL O	1.00000	0.00000	0.00000	1.00000	0.00000		
AP	244	Traffic Signals & Flashers	SREVT S F	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	245	Private Area Lighting Leased	SREVPAL	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	246	Street Lighting Leased	SREVSL	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	247	Street Lighting Energy & Maint Cust Owned	SREVSLEM	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	248	Street Lighting Non-Metered Services/Rentals	SREVSLSR	1.00000	0.00000	0.00000	0.00000	1.00000		
AP	249									
AP	250	Claimed Rate Sales Revenue	CLAIMREV	1.00000	0.39330	0.35090	0.24267	0.01313		
AP	251									
AP	252	<u>PRESENT REVENUES FROM SALES INPUT</u>								
AP	253									
AP	254	Total Sales of Electricity Revenues		1.00000	0.39938	0.34542	0.24050	0.01470		
AP	255									
AP	256	Sales of Electricity Revenues		1.00000	0.39938	0.34542	0.24050	0.01470		
AP	257									
AP	258									
AP	259									
AP	260									
AP	261									
AP	262									
AP	263									
AP	264									
AP	265									
AP	266									
AP	267									
AP	268									
AP	269									
AP	270									
AP	271									
AP	272									
AP	273									
AP	274									
AP	275									
AP	276									

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		(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
ADA	1	ALLOCATED DIRECT ASSIGNMENTS								
ADA	2	DIRECT ASSIGN TO CLASSES W/SALES REV FUNCTIONS								
ADA	3									
ADA	4	Write-Offs								
ADA	5	Other Sales Revenue	SREVOTH	0	0	0	0	0		
ADA	6	Residential Regular Sales Revenue	SREVRESR	373,943	373,943	0	0	0		
ADA	7	Residential Total Electric Sales Revenue	SREVRESE	114,958	114,958	0	0	0		
ADA	8	Residential - Demand	SREVRESED	19,889	19,889	0	0	0		
ADA	9	GS Regular Sales Revenue	SREVGSR	37,973	0	37,973	0	0		
ADA	10	GS Total Electric Sales Revenue	SREVGSE	2,233	0	2,233	0	0		
ADA	11	GS Other	SREVGSO	2,904	0	2,904	0	0		
ADA	12	GSL Secondary	SREVGSL	1,710	0	0	1,710	0		
ADA	13	GSL Primary	SREVGSLP	0	0	0	0	0		
ADA	14	Private Area Lighting Leased	SREVPAL	5,891	0	0	0	5,891		
ADA	15	Street Lighting Leased	SREVS	0	0	0	0	0		
ADA	16	Street Lighting Energy & Maint Cust Owned	SREVSLEM	0	0	0	0	0		
ADA	17	Street Lighting Non-Metered Services/Rentals	SREVSLSR	447	0	0	0	447		
ADA	18	Total Write-Offs	EXP_904	559,948	508,790	43,110	1,710	6,338		
ADA	19									
ADA	20	Total Write-Offs	EXP_904	1.00000	0.90864	0.076989	0.003054	0.01132		
ADA	21									
ADA	22	Customer Advances for Construction								
ADA	23	Other	DPLTOTH	19,597	0	19,597	0	0		
ADA	24	Residential Regular	DPLTRESR	706,872	706,872	0	0	0		
ADA	25	Residential Total Electric	DPLTRESE	100,158	100,158	0	0	0		
ADA	26	Residential Electric Demand	DPLTRES	94,224	94,224	0	0	0		
ADA	27	GS Regular	DPLTGSR	496,828	0	496,828	0	0		
ADA	28	GS Total Electric	DPLTGSE	0	0	0	0	0		
ADA	29	GSL Secondary	DPLTGSL	0	0	0	0	0		
ADA	30	GSL Primary	DPLTGSLP	0	0	0	0	0		
ADA	31									
ADA	32	Customer Advances for Construction	CUSTADV	1,417,679	901,254	516,425	0	0		
ADA	33									
ADA	34	Customer Advances for Construction	CUSTADV	1.00000	0.63573	0.364275	0.000000	0.00000		
ADA	35									
ADA	36									
ADA	37									
ADA	38									
ADA	39									
ADA	40									
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ADA	43									
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ADA	45									
ADA	46									

BLACK HILLS POWER, INC.
ADJUSTED RETAIL ELECTRIC CLASS COST OF SERVICE STUDY
FOR THE TEST YEAR ENDED JUNE 30, 2012

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 Cost of Service Study
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SCH LINE NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
	(a)	(b)	(c)	(d)	(e)	(h)	(i)	(j)	(f)
ADA 1	ALLOCATED DIRECT ASSIGNMENTS								
ADA 2	DIRECT ASSIGN TO CLASSES W/SALES REV FUNCTIONS								
ADA 3									
ADA 4	DSM								
ADA 5	Other Sales Revenue	SREVOTH	18,999	0	18,999	0	0		
ADA 6	Residential Regular Sales Revenue	SREVRESR	295,316	295,316	0	0	0		
ADA 7	Residential Total Electric Sales Revenue	SREVRESE	73,370	73,370	0	0	0		
ADA 8	Residential - Demand	SREVRESD	76,555	76,555	0	0	0		
ADA 9	GS Regular Sales Revenue	SREVSGSR	269,629	0	269,629	0	0		
ADA 10	GS Total Electric Sales Revenue	SREVSGSE	31,892	0	31,892	0	0		
ADA 11	GS Other	SREVSGSO	13,817	0	13,817	0	0		
ADA 12	GSL Secondary	SREVGSLS	178,575	0	0	178,575	0		
ADA 13	GSL Primary	SREVGSLP	56,965	0	0	56,965	0		
ADA 14	Traffic Signals & Flashers	SREVTSF	527	0	0	0	527		
ADA 15	Private Area Lighting Leased	SREVPAL	3,178	0	0	0	3,178		
ADA 16	Street Lighting Leased	SREVSL	2,860	0	0	0	2,860		
ADA 17	Street Lighting Energy & Maint Cust Owned	SREVSLEM	4,621	0	0	0	4,621		
ADA 18	Street Lighting Non-Metered Services/Rentals	SREVSLSR	0	0	0	0	0		
ADA 19	Total DSM	SREVDISM	1,026,305	445,242	334,336	235,540	11,187		
ADA 20									
ADA 21	Total DSM	SREVDISM	1.00000	0.43383	0.325767	0.229503	0.01090		
ADA 22									
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ADA 46									

BLACK HILLS POWER, INC.
ADJUSTED RETAIL ELECTRIC CLASS COST OF SERVICE STUDY
FOR THE TEST YEAR ENDED JUNE 30, 2012

Schedule O-1
 Cost of Service Study
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SCH LINE NO.	NO.	DESCRIPTION	ALLOCATION BASIS	TOTAL SOUTH DAKOTA	RESIDENTIAL SERVICE	GENERAL SERVICE	GS LARGE/ INDUSTRIAL CONTRACT	LIGHTING SERVICE	(j)	(f)
		(a)	(b)	(c)	(d)	(e)	(h)	(i)		
RRW	1	REVENUE REQUIREMENTS								
RRW	2									
RRW	3	PRESENT RATES								
RRW	4	-----								
RRW	5	RATE BASE		438,289,043	160,164,825	160,199,058	112,091,333	5,833,827		
RRW	6	NET OPER INC (PRESENT RATES)		28,495,321	10,580,671	10,170,281	7,255,303	489,066		
RRW	7	RATE OF RETURN (PRES RATES)		6.50%	6.61%	6.35%	6.47%	8.38%		
RRW	8	RELATIVE RATE OF RETURN		1.00	1.02	0.98	1.00	1.29		
RRW	9	SALES REVENUE (PRE RATES)		105,368,260	42,082,273	36,395,788	25,340,827	1,549,371		
RRW	10	REVENUE PRES RATES \$/KWH		\$0.0726	\$0.0851	\$0.0871	\$0.0483	\$0.1108		
RRW	11	REVENUE REQUIRED - \$/MO/CUST		\$1,618.54	\$803.57	\$3,048.37	\$0.00	\$2,432.29		
RRW	12	SALES REV REQUIRED \$/KW		\$31.73	\$100.89	\$23.17	\$19.01	\$0.00		
RRW	13									
RRW	14	CLAIMED RATE OF RETURN								
RRW	15	-----								
RRW	16	CLAIMED RATE OF RETURN		8.54%	8.54%	8.54%	8.54%	8.54%		
RRW	17	RETURN REQ FOR CLAIMED ROR		37,429,884	13,678,076	13,681,000	9,572,600	498,209		
RRW	18	SALES REVENUE REQ CLAIMED ROR		119,114,085	46,847,631	41,797,029	28,905,989	1,563,437		
RRW	19	REVENUE DEFICIENCY SALES REV		13,745,826	4,765,358	5,401,241	3,565,161	14,066		
RRW	20	PERCENT INCREASE REQUIRED		9.94%	8.94%	11.77%	9.57%	0.75%		
RRW	21	ANNUAL BOOKED KWH SALES		1,451,286,926	494,712,860	417,920,275	524,670,360	13,983,431		
RRW	22	SALES REV REQUIRED \$/KWH		\$0.0821	\$0.0947	\$0.1000	\$0.0551	\$0.1118		
RRW	23	REVENUE DEFICIENCY \$/KWH		\$0.0095	\$0.0096	\$0.0129	\$0.0068	\$0.0010		
RRW	24									
RRW	25	PROPOSED REVENUES								
RRW	26	-----								
RRW	27	PROPOSED SALES REVENUES		119,114,085	46,847,631	41,797,029	28,905,989	1,563,437		
RRW	28	REVENUE DEFICIENCY SALES REV		13,745,826	4,765,358	5,401,241	3,565,161	14,066		
RRW	29	PERCENT INCREASE PROPOSED		9.94%	8.94%	11.77%	9.57%	0.75%		
RRW	30	PROPOSED RATE OF RETURN		8.54%	8.54%	8.54%	8.54%	8.54%		
RRW	31	RETURN REQ FOR PROPOSED REV		37,429,884	13,678,076	13,681,000	9,572,600	498,209		
RRW	32	ANNUAL BOOKED KWH SALES		1,451,286,926	494,712,860	417,920,275	524,670,360	13,983,431		
RRW	33	SALES REV REQUIRED \$/KWH		\$0.0821	\$0.0947	\$0.1000	\$0.0551	\$0.1118		
RRW	34	REVENUE DEFICIENCY \$/KWH		\$0.0095	\$0.0096	\$0.0129	\$0.0068	\$0.0010		
RRW	35									
RRW	36									
RRW	37									
RRW	38									
RRW	39									
RRW	40									
RRW	41									
RRW	42									
RRW	43									
RRW	44									
RRW	45									
RRW	46									