

<u>Line</u>	<u>Description</u>	<u>Amount</u>
	(a)	(b)
Weather Normalization Adjustment:		
1	Weather Normalized Retail Revenues	\$ 195,975
2	Actual Retail Revenues	198,285
3	Weather Impact on Revenues	<u>\$ (2,310)</u>
4	Fuel Costs Weather Normalized Sales	\$ 57,365
5	Fuel Costs Actual	58,107
6	Weather Impact on Fuel Costs	<u>\$ (742)</u>
Fuel Lag Adjustment:		
7	Retail Revenues	\$ (402)
8	Fuel Costs	(402)
Total Adjustment:		
9	Retail Revenues	\$ (2,712)
10	Fuel Costs	(1,144)

Sources:

Lines 1, 2, 4, & 5: DR 5-10, Attachment A
Line 3: line 1 less line 2
Line 6: line 4 less line 5
Line 7: Workpaper PF10-2
Line 8: Line 7
Line 9: line 3 + line 7
Line 10: line 6 + line 8

South Dakota Electric Calendar Month Sales Weather Normalization

		Calendar Month Sales (mwh)			Calendar Month Customers			Calendar Month Weather HEATING		Calendar Month Weather COOLING		Coefficients - HEATING Calendar Month - based on HDD65			Coefficients - COOLING Calendar Month - based on THI65		
		Res w/out Space Htg	Res w/ Space Htg	Small C&I	Res w/out Space Htg	Res w/ Space Htg	Small C&I	Actual HDD65	Normal HDD65	Actual THI65	Normal THI65	Res w/out Space Htg	Res w/ Space Htg	Small C&I	Res w/out Space Htg	Res w/ Space Htg	Small C&I
2013	1	57,500	7,160	77,699	69,683	4,853	10,813	1,445	1,499	0	0	0.000124396	0.000695685	0.000493388	0.000000000	0.000000000	0.000000000
2013	2	50,118	6,644	69,479	69,710	4,917	10,800	1,210	1,218	0	0	0.000097069	0.000674932	0.000485146	0.000000000	0.000000000	0.000000000
2013	3	51,659	6,310	81,096	69,754	4,951	10,805	1,150	995	0	0	0.000071176	0.000597891	0.000477528	0.000000000	0.000000000	0.000000000
2013	4	43,921	4,071	70,501	69,828	4,961	10,806	773	562	0	0	0.000027694	0.000476364	0.000466012	0.001065205	0.000000000	0.000000000
2013	5	43,441	4,360	79,563	69,911	5,022	10,811	282	248	14	11	0.000000000	0.000204171	0.000234080	0.002506410	0.001147057	0.008555600
2013	6	59,691	3,648	79,924	69,946	5,016	10,828	66	51	87	86	0.000000000	0.000000000	0.000000000	0.002733379	0.001984261	0.012678077
2013	7	74,833	4,353	95,295	70,136	5,017	10,843	17	8	163	168	0.000000000	0.000000000	0.000000000	0.002538900	0.001641666	0.009849249
2013	8	75,198	4,361	94,093	70,264	5,019	10,854	12	23	155	135	0.000000000	0.000000743	0.000000000	0.002606547	0.001655394	0.011612557
2013	9	52,748	3,409	86,107	70,460	5,023	10,850	60	173	75	35	0.000000000	0.000127403	0.000000000	0.002505652	0.000818693	0.020177915
2013	10	44,868	3,844	79,186	70,597	5,028	10,870	546	536	0	0	0.000021472	0.000336978	0.000214646	0.001230181	0.000000000	0.014498694
2013	11	48,759	5,390	77,788	70,698	5,023	10,886	986	972	0	0	0.000086664	0.000561499	0.000455161	0.000000000	0.000000000	0.000000000
2013	12	61,138	8,080	77,247	70,733	5,043	10,898	1,634	1,421	0	0	0.000130226	0.000673006	0.000455161	0.000000000	0.000000000	0.000000000
TOTAL		663,873	61,631	967,979	841,720	59,873	130,064	8,182	7,706	494	435						

		Calendar Month Weather Effect from HEATING			Calendar Month Weather Effect from COOLING			Calendar Month Weather Effect HEATING AND COOLING			Calendar Month Weather Normalized Sales (mwh)		
		Res w/out Space Htg	Res w/ Space Htg	Small C&I	Res w/out Space Htg	Res w/ Space Htg	Small C&I	Res w/out Space Htg	Res w/ Space Htg	Small C&I	Res w/out Space Htg	Res w/ Space Htg	Small C&I
2010	1	-468	-182	-288	0	0	0	-468	-182	-288	57,968	7,343	77,987
2010	2	-53	-26	-41	0	0	0	-53	-26	-41	50,171	6,670	69,520
2010	3	875	521	558	0	0	0	875	521	558	50,784	5,789	80,538
2010	4	1,555	846	884	0	0	0	1,555	846	884	42,366	3,225	69,618
2010	5	0	27	55	500	16	264	500	44	318	42,941	4,316	79,245
2010	6	0	0	0	129	7	93	129	7	93	59,562	3,641	79,831
2010	7	0	0	0	-784	-36	-457	-784	-36	-457	75,617	4,389	95,752
2010	8	0	0	0	2,767	126	1,835	2,767	125	1,835	72,431	4,236	92,259
2010	9	0	-72	0	4,295	100	6,882	4,295	28	6,882	48,453	3,381	79,224
2010	10	15	17	23	0	0	0	15	17	23	44,853	3,827	79,163
2010	11	88	40	71	0	0	0	88	40	71	48,671	5,349	77,717
2010	12	1,960	722	1,056	0	0	0	1,960	722	1,056	59,178	7,358	76,191
TOTAL											652,993	59,524	957,045

Sources:

Top Section:

DR 1-64 Attachment C, unless otherwise noted

Normal HDD65: <http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/products/auxiliary/station/USW00014944.normals.txt>

NormalTHI65: BAM-3 Schedule 5, page 3

Bottom Section:

Calendar Month Weather Effect from HEATING: Calendar Month Customers * (Actual HDD65 - Normal HDD65) * Coefficients - HEATING

Calendar Month Weather Effect from COOLING: Calendar Month Customers * (Actual THI65 - Normal THI65) * Coefficients - COOLING

Calendar Month Weather Effect HEATING AND COOLING: Calendar Month Weather Effect from HEATING + Calendar Month Weather Effect from COOLING

Calendar Month Weather Normalized Sales (mwh): Calendar Month Sales (mwh) - Calendar Month Weather Effect HEATING AND COOLING

Weather Normalization Sales Adjustment (mwh): Calendar Month Weather Normalized Sales (mwh) - Calendar Month Sales (mwh)

	CDD			THI	
	Actual	Normal	Act/Normal	Actual	Normal
	(A)	(B)	(C)	(D)	(E)
Jan	0	0		0	0
Feb	0	0		0	0
Mar	0	0		0	0
Apr	4	5	0.80000	0	0
May	38	31	1.22581	14	11
Jun	136	135	1.00741	87	86
Jul	249	256	0.97266	163	168
Aug	227	198	1.14646	155	135
Sep	130	60	2.16667	75	35
Oct	3	5	0.60000	0	0
Nov	0	0		0	0
Dec	0	0		0	0
Total	787	690		494	435

Sources:

Column A: <http://www.nws.noaa.gov/climate/index.php?wfo=fsd>

Column B: <http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/products/auxiliary/station/USW00014944.normals.txt>

Column C: Column A divided by Column B

Column D: DR 1-64 Attachment C

Column E: Column D divided by Column C