

Northern States Power Company, a Minnesota Corporation
Calculation of the E-10 - Energy Allocator
2013 Weather Normalized without Wholesale

Sales	Month	Year	MN State			ND State	SD State	NSPM		
			Retail	Wholesale	Total	Total	Total	Retail	Wholesale	Total
	January	2013	2,608,019	0	2,608,019	222,521	168,882	2,999,422	0	2,999,422
	February	2013	2,291,565	0	2,291,565	199,008	149,556	2,640,128	0	2,640,128
	March	2013	2,497,880	0	2,497,880	193,846	162,929	2,854,655	0	2,854,655
	April	2013	2,290,190	0	2,290,190	161,807	140,556	2,592,554	0	2,592,554
	May	2013	2,386,000	0	2,386,000	180,935	155,283	2,722,218	0	2,722,218
	June	2013	2,582,800	0	2,582,800	170,502	169,763	2,923,065	0	2,923,065
	July	2013	2,971,671	0	2,971,671	195,047	211,087	3,377,805	0	3,377,805
	August	2013	2,897,672	0	2,897,672	188,530	201,737	3,287,939	0	3,287,939
	September	2013	2,523,534	0	2,523,534	172,000	166,786	2,862,321	0	2,862,321
	October	2013	2,469,111	0	2,469,111	171,955	160,184	2,801,249	0	2,801,249
	November	2013	2,426,952	0	2,426,952	193,393	159,887	2,780,232	0	2,780,232
	December	2013	2,542,980	0	2,542,980	215,272	168,907	2,927,159	0	2,927,159
Total Sales			30,488,374	0	30,488,374	2,264,815	2,015,557	34,768,747	0	34,768,747
Percent Losses (*)			6.92%	3.81%	6.92%	8.13%	4.08%	7.06%	3.81%	7.04%
Losses			2,266,636	0	2,266,636	200,470	85,783	2,552,889	0	2,552,889
Energy (Total Sales Plus Losses)			32,755,011	0	32,755,011	2,465,285	2,101,341	37,321,636	0	37,321,636

Calcualtion of Energy Allocator - E10 Weather Normalized

Method of Applying TLM's

	Total Energy Less Co. Use	TLM's	Total Energy Less Co Use Adjusted for Transm. Losses	Energy Allocator (1)
MN	32,755,011	0.9593	31,421,882	87.6465%
ND	2,465,285	0.9441	2,327,475	6.4921%
SD	2,101,341	1.0000	2,101,341	5.8614%
WHSL	0	0.9619 (1)	0	0.0000%
	37,321,636		35,850,698	100.0000%

Notes:

* Percent Losses are a 5 year average of losses based on 2009 through 2013

(1) Wholesale transmission loss multiplier equal to total Wholesale losses (3.808%) since energy delivered to these customers is metered at the delivery point (1-0.03808=.96192)

A2-1

Original Energy Loss Factors -- 4-Year Average 1985-1988

	No Dak	So Dak	Minn	Minn Co	Wisc Co	NSP Co
Bulk(UT)	0.9992	1.0000	0.9850	0.9866	0.9799	0.9855
Bulk(T)	0.9960	1.0000	0.9798	0.9816	0.9788	0.9810
Tran(UT)	0.9942	0.9835	0.9753	0.9769	0.9671	0.9753
Tran(T)	0.9918	0.9825	0.9739	0.9754	0.9644	0.9736
Subtran(UT)	0.9881	0.9741	0.9677	0.9693	0.9450	0.9653
Subtran(t)	0.9828	0.9670	0.9621	0.9636	0.9372	0.9593
Primary	0.9754	0.9529	0.9523	0.9539	0.9251	0.9491
Large secondary	0.9642	0.9321	0.9372	0.9388	0.9048	0.9331
Small Secondary	0.9591	0.9267	0.9296	0.9314	0.8990	0.9260

Original Overall Loss Factor (Gr:	0.9613	0.9340	0.9396	0.9407	0.9104	0.9357
Budget Losses:	0.0815	0.0406	0.0685	0.0679	0.0938	0.0720
Adjustment Factors:	0.95551	1.02716	0.99133	0.99090	0.99542	0.99180

	No Dak	So Dak	Minn	Minn Co	Wisc Co	NSP Co
Bulk(UT)	0.9547	1.0000	0.9765	0.9776	0.9754	0.9774
Bulk(T)	0.9517	1.0000	0.9713	0.9727	0.9743	0.9730
Tran(UT)	0.9500	1.0000	0.9668	0.9680	0.9627	0.9673
Tran(T)	0.9477	1.0000	0.9655	0.9665	0.9600	0.9656
Subtran(UT)	0.9441	1.0000	0.9593	0.9605	0.9407	0.9574
Subtran(t)	0.9391	0.9933	0.9538	0.9548	0.9329	0.9514
Primary	0.9320	0.9788	0.9440	0.9452	0.9209	0.9413
Large secondary	0.9213	0.9574	0.9291	0.9303	0.9007	0.9254
Small Secondary	0.9164	0.9519	0.9215	0.9229	0.8949	0.9184

WN CALENDAR MONTH SALES BY JURISDICTION - MWH

(Source: Jannell Marks)

		Jurisdiction													
		MN			ND		SD		MNCO			WICO		NSP	
Month	Year	Retail	Wholesale	Total	Total	Total	Retail	Wholesale	Total	Retail	Wholesale	Total	Retail	Wholesale	Total
January	2013	2,608,019	1,656	2,609,675	222,521	168,882	2,999,422	1,656	3,001,078	575,798	1,036	576,834	3,575,220	2,692	3,577,912
February	2013	2,291,565	1,470	2,293,035	199,008	149,556	2,640,128	1,470	2,641,598	508,321	0	508,321	3,148,450	1,470	3,149,919
March	2013	2,497,880	1,583	2,499,463	193,846	162,929	2,854,655	1,583	2,856,239	551,818	0	551,818	3,406,474	1,583	3,408,057
April	2013	2,290,190	1,435	2,291,625	161,807	140,556	2,592,554	1,435	2,593,989	498,702	0	498,702	3,091,255	1,435	3,092,690
May	2013	2,386,000	1,478	2,387,477	180,935	155,283	2,722,218	1,478	2,723,695	496,829	0	496,829	3,219,047	1,478	3,220,525
June	2013	2,582,800	1,518	2,584,318	170,502	169,763	2,923,065	1,518	2,924,583	538,503	0	538,503	3,461,568	1,518	3,463,086
July	2013	2,971,671	1,699	2,973,371	195,047	211,087	3,377,805	1,699	3,379,504	584,115	0	584,115	3,961,920	1,699	3,963,619
August	2013	2,897,672	1,629	2,899,301	188,530	201,737	3,287,939	1,629	3,289,568	582,789	0	582,789	3,870,729	1,629	3,872,358
September	2013	2,523,534	1,544	2,525,078	172,000	166,786	2,862,321	1,544	2,863,864	524,392	0	524,392	3,386,713	1,544	3,388,257
October	2013	2,469,111	1,383	2,470,494	171,955	160,184	2,801,249	1,383	2,802,632	526,429	0	526,429	3,327,678	1,383	3,329,061
November	2013	2,426,952	1,420	2,428,372	193,393	159,887	2,780,232	1,420	2,781,651	528,759	0	528,759	3,308,991	1,420	3,310,411
December	2013	2,542,980	1,687	2,544,667	215,272	168,907	2,927,159	1,687	2,928,846	581,416	0	581,416	3,508,575	1,687	3,510,262
		30,488,374	18,502	30,506,876	2,264,815	2,015,557	34,768,747	18,502	34,787,249	6,497,872	1,036	6,498,908	41,266,619	19,538	41,286,156

Source: Jannell Marks

XCEL (Minnesota Co) Electric Utility - Demand Allocations
Actual kW (Weather Normalized)
2013

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>Total kW</u>	<u>Allocation Factors</u>
	<u>Production</u>													
Minnesota	4,734,762	4,594,517	4,415,406	4,154,462	4,707,880	6,062,647	6,994,526	6,938,319	6,861,392	4,557,656	4,542,673	4,817,258	63,381,498	87.8318%
North Dakota	413,225	409,789	356,918	349,803	307,496	398,897	444,820	395,122	361,668	298,937	368,614	419,865	4,525,155	6.2708%
South Dakota	<u>316,267</u>	<u>302,744</u>	<u>280,943</u>	<u>248,528</u>	<u>357,702</u>	<u>415,042</u>	<u>457,030</u>	<u>464,229</u>	<u>491,522</u>	<u>299,791</u>	<u>297,650</u>	<u>324,252</u>	<u>4,255,700</u>	<u>5.8974%</u>
NSP-MN Total Retail	5,464,254	5,307,050	5,053,267	4,752,793	5,373,078	6,876,586	7,896,376	7,797,671	7,714,581	5,156,384	5,208,937	5,561,375	72,162,353	100.0000%
NSP-MN Total Wholesale	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0000%
TOTAL	5,464,254	5,307,050	5,053,267	4,752,793	5,373,078	6,876,586	7,896,376	7,797,671	7,714,581	5,156,384	5,208,937	5,561,375	72,162,353	100.0000%

Transmission Loss Multipliers were updated February 2013.
Excludes Company Use

	<u>Transmission</u>			
<u>Production</u>	<u>Loss Multipliers</u>	<u>HSDS Demand</u>	<u>Production</u>	
Minnesota	0.9615	60,941,311	87.7995%	
North Dakota	0.9345	4,228,757	6.0925%	
South Dakota	0.9962	<u>4,239,528</u>	<u>6.1080%</u>	
Retail		69,409,596	100.0000%	
Wholesale		0	0.0000%	
Total		69,409,596	100.0000%	

42-4