Northern States Power Company

State of South Dakota

BORDER WIND FARM 2015	TOTAL	MONTHLY	YTD	AVG WIND	MONTHLY	TOTAL	AVG	RATED	TOTAL	CITY FACTOR CA	MONTHLY	S YTD	2 yr fe dafe	LIFE-TO-DATE
PRODUCTION SUMMARY	ENERGY	CURTAILED	ENERGY	SPEED	MONTHLY AVAILABILITY	WTGIN				POTENTIAL	AVG NET	AVG NET	2 yr-to-date AVG NET	AVERAGE
	KWH	KWH	KWH	M/S		SERVICE			ENERGY	ENERGY	CAPACITY	CAPACITY	CAPACITY	NET CAPACIT
Meter #				5 turbines	Vestas SCADA	OLIVIOL	HRS/WTG		KWH/Month	KWH	FACTOR	FACTOR	FACTOR	FACTOR
														(From 12/08
	See Note 1								See Note 2				See Note 4	See Note 5
TD UP TO PRIOR YR	0					0			0					N
RIOR YEAR	0			0.0	0.0	0			0			0.00%	0.00%	N
ANUARY	54.9													
Gross Energy Produced kWh Housepower Used kWH	0										47.2			
ANUARY NET ENERGY	0		0			75	744	2000	0	0	0.00%	0.00%	0.00%	0.0
FEBRUARY	49.7													
Gross Energy Produced kWh	0													
Housepower Used KWh	0										45.4			
FEBRUARY NET ENERGY	0		0			75	672	2000	0	0	0.00%	0.00%	0.00%	0.0
MARCH	54.4													
Gross Energy Produced kWh	0													
Housepower Used kWH	0										43.7			
MARCH NET ENERGY	0		0			75	744	2000	0	0	0.00%	0.00%	0.00%	0.0
APRIL	52.0													
Gross Energy Produced kWh	02.0													
Housepower Used kWH	0										46.3			
APRIL NET ENERGY	0		0			75	720	2000	0	0	0.00%	0.00%	0.00%	0.0
MAY	50.6													
Gross Energy Produced kWh	0													
Housepower Used kWH	0										37.6			
MAY NET ENERGY	0		0			75	744	2000	0	0	0.00%	0.00%	0.00%	0.0
JUNE	41.6													
Gross Energy Produced kWh	0													
Housepower Used kWH	0										30.6			
JUNE NET ENERGY	0		0			75	720	2000	0	0	0.00%	0.00%	0.00%	0.0
JULY	37.2													
Gross Energy Produced kWh	0													
Housepower Used kWH	0							0000			27.1	0.000/	0.000/	
JULY NET ENERGY	0		0			75	744	2000	0	0	0.00%	0.00%	0.00%	0.0
AUGUST	41.8													
Gross Energy Produced kWh	0													
Housepower Used kWH	0		0			75	744	2000	0	0	25.3	0.00%	0.00%	0.0
AUGUST NET ENERGY	0		U			75	744	2000	Ű	U	0.00%	0.00%	0.00%	0.0
SEPTEMBER	47.7													
Gross Energy Produced kWh	0													
Housepower Used kWH SEPTEMBER NET ENERGY	0		0			75	720	2000	0	0	34.9 0.00%	0.00%	0.00%	0.0
CENTEMPER NET ENERGI	0		Ű			13	120	2000	v	U	0.00%	0.00%	0.00%	0.0
OCTOBER	53.3													
Gross Energy Produced kWh	0										41.1			
Housepower Used kWH OCTOBER NET ENERGY	0		0			75	744	2000	0	0	41.1 0.00%	0.00%	0.00%	0.0
			Ű					_300	Ŭ	, v	0.0070	0.0070	0.0070	0.0
NOVEMBER	54.8													
Gross Energy Produced kWh Housepower Used Kwh	0										46.3			
NOVEMBER NET ENERGY	0		0			75	720	2000	0	0	46.3 0.00%	0.00%	0.00%	0.0
			, , , , , , , , , , , , , , , , , , ,						Ĭ	, i	//	/		
DECEMBER	55.5													
Gross Energy Produced kWh Housepower Used kWH	31,759,422 (199,481)										47.2			
DECEMBER NET ENERGY	31,559,941		31,559,941	7.9	77.5	75	648	2000	97,200,000	97,200,000	32.47%	32.47%	32.47%	32.4
	593 400 000	0.0%		0.0								45.10%		
TOTAL NET ENERGY	31,559,941	0.0%		8.3 7.9	77.5	75			97,200,000			45.10% 32.47%		
TOTAL 2-YR NET ENERGY	31,559,941	0		4.0	38.8	75			97,200,000				32.47%	
OTAL LTD NET ENERGY	31,559,941	0				75			97,200,000					32.4

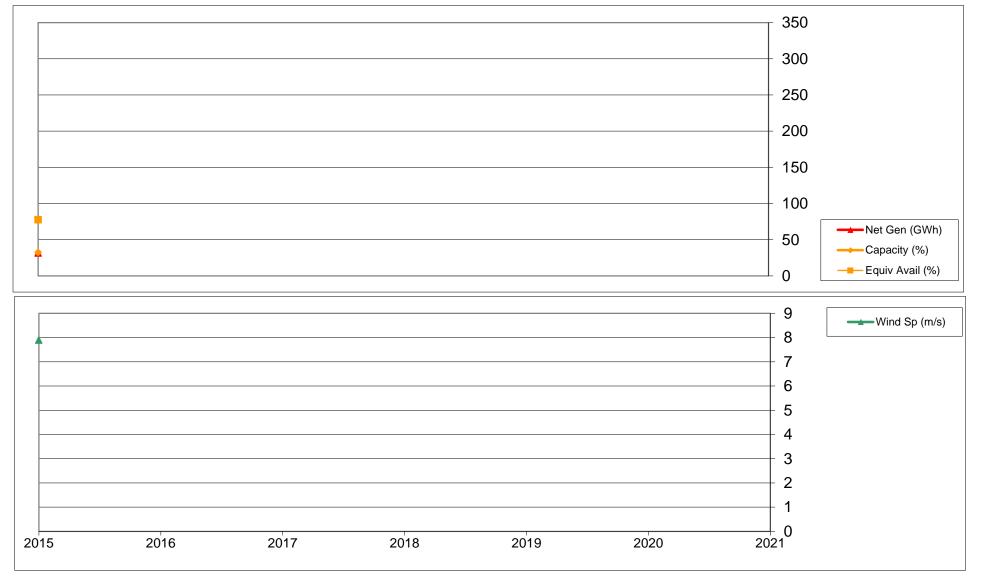
Notes:

1. NA 2. Total Potential Energy in KWH = Number of WTG's In-Service * Average Hours In-Service per WTG per Month * Rated Nameplate Capacity in KW/WTG. All months assume Average Time In-Service is Gross Available hours before any losses, wind availability, equipment availability, etc. and are calculated by (Total #

Informa assume Average Inne in-Service is Gross Available hours before any losses, wind availability, equipment availability, etc. and are calculated by (1rotal # 3. Year-to-Date Average Net Capacity Factor = (Actual Cumulative Year-to-Date Net KWH) / (Cumulative Year-to-Date Max KWH) 4. Two Year Average Net Capacity Factor = (Prior Yr Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (Prior Yr Total Potential Energy + 5. Life-to-Date Average Net Capacity Factor = (L-T-D Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH + Actual Net KWH

BORDER WIND FARM 2015 PRODUCTION SUMMARY	Gross Energy kWh	Turbine Use kWh	Net Turbine Energy kWh	Monthly Curtailment kWh	AVG Wind Speed* m/s			Gross Energy MWh	Turbine Use MWh	Net Turbine Energy MWh	Monthly Curtailment MWh	Monthly Capacity Factor	
January	0	0	0	0	0.0		January	0	0	0	0	0.0%	
February	0	0	0	0	0.0		February	0	0	0	0	0.0%	
March	0	0	0	0	0.0		March	0	0	0	0	0.0%	
April	0	0	0	0	0.0		April	0	0	0	0	0.0%	
May	0	0	0	0	0.0		May	0	0	0	0	0.0%	
June	0	0	0	0	0.0		June	0	0	0	0	0.0%	
July	0	0	0	0	0.0		July	0	0	0	0	0.0%	
August	0	0	0	0	0.0		August	0	0	0	0	0.0%	
September	0	0	0	0	0.0		September	0	0	0	0	0.0%	
October	0	0	0	0	0.0		October	0	0	0	0	0.0%	
November	0	0	0	0	0.0		November	0	0	0	0	0.0%	
December	31,759,422	199,481	31,559,941	0	7.9		December	31,759	199	31,560	0	32.5%	
Total/Avg	31,759,422	199,481	31,559,941	0	0.7		Total/Avg	31,759	199	31,560	0	32.5%	Í
	le.e	Feb	14	A	14	li un	1.1	A	0	0-4	New	Dee	Ammunel
Gross Energy (MWh)		Feb 0	Mar 0	Apr 0	May 0	Jun 0	Jul 0	Aug 0	Sep 0	Oct 0	Nov 0	Dec 31,759	Annual 31,759
Turbine Use (MWh)		0	0	0	0	0	0	0	0	0	0	199	199
Net Energy (MWh)		0	0	0	0	0	0	0	0	0	0	31,560	31,560
Curtailed Energy (MWh)		0	0	0	0	0	0	0	0	0	0	0	0
Availability (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.5	6.5
Wind Speed* (m/s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.7
Capacity Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	32.5%	2.7%

*Wind speed data is reported from 5 towers, 4 on each direction edge, and 1 in the center.



	Net Gen (GWh)	Curtailment (GWh)	Capacity (%)	Equiv Avail (%)	Wind Sp (m/s)	
2015	32	0	32.5	77.5	7.9	
2016						
2017						
2018						

Northern States Power Company

State of South Dakota

Infrastructure Rider

46.57%

R.E.GAR YALEY WALEY	e Rider													
Design Differed Differed Set No. 7 Set No. 7 Differed Set No. 7 Set No.	PLEASANT VALLEY WIND FARM								NET CAPA	CITY FACTOR C	ALCULATION	IS		
Des Ref See Name 7		ENERGY KWH	CURTAILED KWH	ENERGY	SPEED M/S	AVAILABILITY	WTG IN	TIME IN NAMEPLATE SERVICE CAPACITY	POTENTIAL ENERGY	POTENTIAL ENERGY	AVG NET CAPACITY	AVG NET CAPACITY	AVG NET CAPACITY	AVERAGE NET CAPACITY FACTOR
DTO DEPAROY NO O <		See Note 1							See Note 2				See Note 4	
JAMAY Build Build <th< td=""><td>LTD UP TO PRIOR YR</td><td></td><td>0</td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td>N/A</td></th<>	LTD UP TO PRIOR YR		0				0							N/A
JAMAY Build Build <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td>0.00%</td><td>0.000/</td><td>NIA</td></th<>							0					0.00%	0.000/	NIA
Conservery Policities VMP Co	PRIOR TEAR	U	0		0.0	0.0	U		0			0.00%	0.00%	N/A
Conservery Produced VM PERFURY NET ELERGY 0 0 0 0 0.007 0.	Gross Energy Produced kWh Housepower Used kWH			0			0	2000	0	0	0.00%	0.00%	0.00%	0.00%
Conservery Produced WM MACE IN PERFORMAN Image: marked WM MACE INT PERFOR	Gross Energy Produced kWh Housepower Used KWh			0			0	2000	0	0	0.00%	0.00%	0.00%	0.00%
APAL Cross Energy Produced W/H PRUL NET ENERGY 72.0 7	Gross Energy Produced kWh Housepower Used kWH	74.4		0				2000	0	0	0.00%	0.00%	0.00%	0.00%
OPENL OF THE THEREY 0 0 0.007	APRIL Gross Energy Produced kWh	75.0		Ű			U	2000	U	U	0.00%	0.00%	0.00%	0.00%
Gross Entry Produced Why HAY NET ENERGY 0 2000 0 0 0.00% 0	APRIL NET ENERGY	0		0			0	2000	0	0	0.00%	0.00%	0.00%	0.00%
Gross Energy Produced WM Output Construction Constru	Gross Energy Produced kWh Housepower Used kWH	71.1 O		0			0	2000	0	0	0.00%	0.00%	0.00%	0.00%
ULY Gross Energy Produced kWh Housepower Used kWh ULY RT ENERGY 48.2 Image: Constraint of the second secon	Gross Energy Produced kWh Housepower Used kWH	56.4		0			0	2000	0	0	0.00%	0.00%	0.00%	0.00%
Gross Energy Produced kWh Housepower Used kWH SEPTEMBER 59.7 59.7 59.7 59.7 60.00% 0.00%	Gross Energy Produced kWh Housepower Used kWH	48.2 0		0			0	2000	0	0	0.00%	0.00%	0.00%	0.00%
SEPTEMBER Gross Energy Produced KWh housepower Used KWh HOUSEPOWER NET ENERGY 96,120.017 24,057,706 7.4 86.9 100 288 2000 57,600,000 57,600,000 57,600,000 41.77% 41.77% 41.77% 46.57% 46.57% DECEMBER HOUSEPOWER NET ENERGY HOUSEPOWER USed KWh HOUSEPOWER USed KWh	Gross Energy Produced kWh Housepower Used kWH	49.2 0		0			0	2000	0	0	0.00%	0.00%	0.00%	0.00%
OCTOBER Gross Energy Produced kWh Housepower Used kWh OCTOBER NET ENERGY 68.2 69.2 60.0 2000 60.0 60.0 60.00% 60.	SEPTEMBER Gross Energy Produced kWh Housepower Used kWH	59.7		0			0	2000	0	0	0.00%	0.00%	0.00%	0.00%
NOVEMBER Gross Energy Produced kWh Housepower Used KWh DECEMBER 75.5 24,092,422 (34,715) 0 24,057,706 7.4 86.9 100 288 2000 57,600,000 41.77% 41.77% 41.77% 41.77% DECEMBER Gross Energy Produced kWh Housepower Used kWH DECEMBER NET ENERGY 78.5 72,113,364 (56,654) - 96,120,617 8.0 91.3 100 744 2000 148,800,000 206,400,000 48.43% 46.57%	OCTOBER Gross Energy Produced kWh Housepower Used kWH								0					
NOVEMBER NET ENERGY 24,057,706 0 24,057,706 7.4 86.9 100 288 2000 57,600,000 41.77% 41.77% 41.77% 41.77% DECEMBER Gross Energy Produced kWh Housepower Used kWh DECEMBER NET ENERGY 78.5 72,062,910 14 96,120,617 8.0 91.3 100 744 2000 148,800,000 48.43% 46.57%	NOVEMBER Gross Energy Produced kWh	75.5 24,092,422		Ű			U	2000	U	Ű	0.00%	0.00%	0.00%	0.00%
Housepower Used kWH (56,454) 14 96,120,617 8.0 91.3 100 744 2000 148,800,000 206,400,000 48.43% 46.57% 4	NOVEMBER NET ENERGY DECEMBER	24,057,706 78.5	0	24,057,706	7.4	86.9	100	288 2000	57,600,000	57,600,000	41.77%	41.77%	41.77%	41.77%
TOTAL NET ENERGY 96,120,617 14 7.7 89.1 100 206,400,000 46.57% Image: Comparison of the state of the	Housepower Used kWH	(56,454) 72,062,910		96,120,617	8.0 8.4	91.3	100	744 2000	148,800,000	206,400,000	48.43%		46.57%	46.57%
OTAL 2-YR NET ENERGY 96,120,617 14 3.9 44.6 100 206,400,000 46.57%	TOTAL NET ENERGY	010,100,000	0.070		7.7	89.1	100		206,400,000			10.1070		
TOTAL 2-YR NET ENERGY 96,120,617 14 3.9 44.6 100 206,400,000 46.57%														
	TOTAL 2-YR NET ENERGY	96,120,617	14		3.9	44.6	100		206,400,000				46.57%	

100

206,400,000

Notes: 1. N/A

TOTAL LTD NET ENERGY

2. Total Potential Energy in KWH = Number of WTG's In-Service * Average Hours In-Service per WTG per Month * Rated Nameplate Capacity in KW/WTG. All months assume Average Time In-Service is Gross Available hours before any losses, wind availability, equipment availability, etc. and are calculated by (Total #

3. Year-to-Date Average Net Capacity Factor = (Actual Cumulative Year-to-Date Net KWH) / (Cumulative Year-to-Date Max KWH)

14

3. Teal-to-Date Net age Net Capacity Factor = (Prior Yr Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (Prior Yr Total Potential Energy +
5. Life-to-Date Average Net Capacity Factor = (L-T-D Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (Prior Yr Total Potential Energy +
5. Life-to-Date Average Net Capacity Factor = (L-T-D Total Actual Net KWH + thru 2 yrs Prior + Prior Year Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (L-T-D Total Potential Energy thru 2 yrs Prior + Prior Year Total Actual Net KWH)

96,120,617

PLEASANT VALLEY WIND FARM 2015 PRODUCTION SUMMARY	Gross Energy kWh	Turbine Use kWh	Net Turbine Energy kWh	Monthly Curtailment kWh	AVG Wind Speed* m/s			Gross Energy MWh	Turbine Use MWh	Net Turbine Energy MWh	Monthly Curtailment MWh	Monthly Capacity Factor	
January	0	0	0	0	0.0		January	0	0	0	0	0.0%	
February	0	0	0	0	0.0		February	0	0	0	0	0.0%	
March	0	0	0	0	0.0		March	0	0	0	0	0.0%	
April	0	0	0	0	0.0		April	0	0	0	0	0.0%	
May	0	0	0	0	0.0		May	0	0	0	0	0.0%	ĺ
June	0	0	0	0	0.0		June	0	0	0	0	0.0%	
July	0	0	0	0	0.0		July	0	0	0	0	0.0%	
August	0	0	0	0	0.0		August	0	0	0	0	0.0%	
September	0	0	0	0	0.0		September	0	0	0	0	0.0%	
October	0	0	0	0	0.0		October	0	0	0	0	0.0%	
November	24,092,422	34,715	24,057,706	0	7.4		November	24,092	35	24,058	0	41.8%	
December	72,119,364	56,454	72,062,910	14	8.0		December	72,119	56	72,063	0	48.4%	
Total/Avg	96,211,786	91,169	96,120,617	14	1.3		Total/Avg	96,212	91	96,121	0	46.6%	
									-	-		-	
			Mar	Apr	May		Jul			Oct		Dec	Annual
Gross Energy (MWh)		0	0	0	0	0	0	0	0	0	24,092	72,119	96,212
Turbine Use (MWh)		0	0	0	0	0	0	0	0	0	35	56	91
Net Energy (MWh) Curtailed Energy (MWh)		0	0	0	0	0	0	0	0	0	24,058	72,063	96,121
Availability (%)	-	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	91.3	14.9
Wind Speed* (m/s)		0.0		0.0	0.0	0.0	0.0	0.0	0.0			8.0	14.3
													-
Capacity Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	41.8%	48.4%	7.5%

*Wind speed data is reported from 5 towers, 4 on each direction edge, and 1 in the center.

2018

Page 6 of 6 350 300 250 200 150 100 Net Gen (GWh) 50 Capacity (%) Equiv Avail (%) 0 8 Wind Sp (m/s) 7 6 5 4 3 2 1 0 2016 2015 2017 2018 Capacity Wind Sp Net Gen Curtailment Equiv (GWh) (GWh) (m/s) (%) Avail (%) 7.5 96 2015 46.6 89.1 0 2016 2017