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July 30, 2015

— Via Email and Federal Express —

Mr. Darrell Nitschke, Executive Secretary
North Dakota Public Service Commission
State Capitol Building – 12th Floor
Bismarck, North Dakota 58505

Re: APPLICANT'S PROPOSED ORDER AND LATE FILED EXHIBITS
REQUEST FOR APPROVAL OF AN ADVANCE DETERMINATION OF PRUDENCE
(ADP) FOR A POWER PURCHASE AGREEMENT WITH AURORA SOLAR, LLC FOR
UP TO 100 MW OF SOLAR GENERATION (CASE NO. PU-15-095)

Dear Mr. Nitschke:

Northern States Power Company, doing business as Xcel Energy, submits to the North Dakota Public Service Commission in the above-referenced matter, the Company's Proposed Order and the following late filed exhibits:

NSP-LF1 – MISO Cost Benefit Analysis

NSP-LF2 – Minnesota Law and Goals, Dates – cheat sheet

*NSP-LF3 – How Does Solar Cost Flow to Wisconsin Company
(Wisconsin Interchange Agreement Whitepaper)*

*NSP-LF4 – Table 1, p. 10 update – (ND view of table 10)
(Fall 2014 Forecast, 2016-2030 Resource Plan Charts)*

NSP-LF5 – Advanced Determination of Prudence Issue Timeline

*NSP-LF6 – Minnesota Competitive Bid Process Overview
(force or impact of ND law)*

Darrell Nitschke
July 30, 2015
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An original and four (4) copies of the Proposed Order and late filed exhibits are being provided via Federal Express. Please contact me if you have any questions regarding this filing.

Sincerely,



DAVID H. SEDERQUIST
Sr. Consultant, Regulation & Finance

Enclosures

cc: Mike Diller
Illona Jeffcoat-Sacco
Victor Schock
Jack Schuh
Jerry Lein

**Table 1x:
System Capacity Need**

(Source: Fall 2014 Forecast, 2016-2030 Resource Plan)

	2015	2016	2017	2018	2019	2020	
Peak Forecast	9,325	9,442	9,525	9,597	9,649	9,674	(a)
Coincident Peak	<u>95%</u>	<u>95%</u>	<u>95%</u>	<u>95%</u>	<u>95%</u>	<u>95%</u>	(b)
Adjusted Peak Forecast	8,858	8,970	9,048	9,117	9,167	9,190	
Reserve Margin	<u>7.1%</u>	<u>7.1%</u>	<u>7.1%</u>	<u>7.1%</u>	<u>7.1%</u>	<u>7.1%</u>	(c)
Total Obligation	9,487	9,607	9,691	9,764	9,818	9,843	
Resources	2015	2016	2017	2018	2019	2020	
Coal	2,283	2,372	2,395	2,395	2,395	2,395	(d)
Nuclear	1,645	1,648	1,643	1,643	1,643	1,643	(d)
Gas	3,380	3,451	3,475	3,475	3,465	3,465	
Black Dog 6	0	0	0	0	208	208	(e)
Calpine MEC II	0	0	0	0	278	278	(e)
Renewable	1,272	1,272	1,269	1,246	1,210	1,209	
Geronimo/Aurora Solar	0	0	0	70	69	69	(e)
2014 Solar RFP (187 MW)	0	0	0	97	97	96	(f)
Solar - Roof Top	9	16	21	25	29	34	(f)
Solar - Comm Solar Garden	9	26	44	64	85	110	(f)
Manitoba Hydro (75 MW)	0	73	73	73	73	0	(g)
Other	95						(d)
<u>Load Management*</u>	<u>999</u>	<u>1,009</u>	<u>1,021</u>	<u>1,033</u>	<u>1,044</u>	<u>1,056</u>	(h)
Total	9,694	9,866	9,942	10,122	10,597	10,562	
Long (Short)	206	260	251	358	779	719	

* Includes reserves

(a) 2014 Fall Forecast

(b) NSP Peak coincident with MISO Peak

(c) MISO Reserve Margin for 2015/2016 MISO Planning Year (11/2015)

(d) Modeling unit ratings, based on current operations and updates

(e) 2013 Capacity Acquisition Resource Assets

(f) Solar Assets to meet Solar Energy Standard legislation (2013)

(g) 2015 Diversity Agreement with Manitoba Hydro

(h) 2014 Load Management forecast

**Table 1x:
System Capacity Need**

(Source: Fall 2014 Forecast, 2016-2030 Resource Plan) - Incl. ND Disallowed Resources

	2015	2016	2017	2018	2019	2020	
Peak Forecast	9,325	9,442	9,525	9,597	9,649	9,674	(a)
Coincident Peak	<u>95%</u>	<u>95%</u>	<u>95%</u>	<u>95%</u>	<u>95%</u>	<u>95%</u>	(b)
Adjusted Peak Forecast	8,858	8,970	9,048	9,117	9,167	9,190	
Reserve Margin	<u>7.1%</u>	<u>7.1%</u>	<u>7.1%</u>	<u>7.1%</u>	<u>7.1%</u>	<u>7.1%</u>	(c)
Total Obligation	9,487	9,607	9,691	9,764	9,818	9,843	
<u>Resources</u>	2015	2016	2017	2018	2019	2020	
Coal	2,283	2,372	2,395	2,395	2,395	2,395	(d)
Nuclear	1,645	1,648	1,643	1,643	1,643	1,643	(d)
Gas	3,380	3,451	3,475	3,475	3,465	3,465	
Black Dog 6	0	0	0	0	208	208	(e)
Calpine MEC II	0	0	0	0	278	278	(e)
Renewable	1,272	1,272	1,269	1,246	1,210	1,209	
Geronimo/Aurora Solar	0	0	0	70	69	69	(e)
2014 Solar RFP (187 MW)	0	0	0	97	97	96	(f)
Solar - Roof Top	9	16	21	25	29	34	(f)
Solar - Comm Solar Garden	9	26	44	64	85	110	(f)
Manitoba Hydro (75 MW)	0	73	73	73	73	0	(g)
Other	95						(d)
<u>Load Management*</u>	<u>999</u>	<u>1,009</u>	<u>1,021</u>	<u>1,033</u>	<u>1,044</u>	<u>1,056</u>	(h)
Total	9,694	9,866	9,942	10,122	10,597	10,562	
Resource Plan Long (Short)	206	260	251	358	779	719	
<u>ND Disallowed Resources</u>							
UCAP Capacity Value	151	151	151	151	139	139	(i)
Settlement Long (Short)	55	108	100	206	640	581	

* Includes reserves

- (a) 2014 Fall Forecast
- (b) NSP Peak coincident with MISO Peak
- (c) MISO Reserve Margin for 2015/2016 MISO Planning Year (11/2015)
- (d) Modeling unit ratings, based on current operations and updates
- (e) 2013 Capacity Acquisition Resource Assets
- (f) Solar Assets to meet Solar Energy Standard legislation (2013)
- (g) 2015 Diversity Agreement with Manitoba Hydro
- (h) 2014 Load Management forecast

(i) Disallowed Resources - KODA Energy LLC, WM Renewable Energy (MN Methane), Pine Bend, Jeffers Wind 20, LLC, Big Blue, Community Wind South (Zephyr), Ridgewind Power Partners LLC, Adams Wind Generations, Danielson Wind Farms, Ewington Energy Systems LLC, Grant County Wind, LLC, North Community Turbines, North Wind Turbines, Valley View Transmission, Uilk Wind Farm, Hilltop Power, Winona County Wind, Woodstock Municipal Wind LLC, Odell, Outland Solar (Slayton), Best Power (St. John's), FibroMinn, Laurentian Energy Authority, St. Paul Cogeneration