

**Fredrikson**

**& BYRON, P.A.**



June 30, 2014

**VIA FEDERAL EXPRESS**

Mr. Darrell Nitschke  
Executive Secretary  
North Dakota Public Service Commission  
600 E. Boulevard, Dept. 408  
Bismarck, ND 58505-0480

**RE: M-Power One, LLC's Ten Year Plan for 2014-2024  
Case No. PU-10-632**

Dear Mr. Nitschke:

Enclosed for filing are an original and ten (10) copies of the following documents:

1. M-Power One, LLC's Ten Year Plan: 2014-2024;
2. Notice of Filing Ten Year Plan: 2014-2024; and
3. Affidavit of Service.

Electronic copies of the enclosed documents were filed with the Commission today via e-mail. If you have any questions, please let me know.

Sincerely,

A handwritten signature in blue ink that reads "Mollie M. Smith".

MOLLIE M. SMITH

MMS/ms  
Enclosures

cc: Mr. Warren Enyart

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Minneapolis, MN  
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**PU-14-505**  
**2014 Ten Year Plan**

Filed: 6/30/2014

Pages: 12

**TEN YEAR PLAN: 2014-2024**

**M-Power One, LLC**

**June 2014**

In accordance with Section 49-22-04 of the North Dakota Century Code and Chapter 69-06-02 of the North Dakota Administrative Code, M-Power One, LLC (“M-Power One”), submits the following Ten Year Plan for years 2014 through 2024.

- (1) A description of the general location, size, and type of all facilities to be owned or operated by the utility during the ensuing ten years, as well as those facilities to be removed from service during the ten-year period.

M-Power One is a North Dakota limited liability company and a wholly owned subsidiary of M-Power, LLC. M-Power One plans to develop an energy conversion facility in Steele County, North Dakota, that will be known as the Luverne Northfield Extension Wind Energy Project (“Project”). The Project will be adjacent to and north of the existing Luverne Wind Farm, which is located in Griggs and Steele Counties, North Dakota. The maximum potential wind energy capacity for the area currently under wind development easements is estimated to be 155.2 megawatts (“MW”). The final developed capacity will depend upon the ultimate selection of specific turbines. M-Power One plans to begin construction of the initial phase of the Project before the end of 2014, with an anticipated in-service date in the Fourth Quarter of 2015.

A generation-outlet transmission facility (115 kilovolt (“kV”) or less) may need to be constructed in order to interconnect the Project to the grid. The necessity for, location of and design details regarding such a transmission facility will be determined at a future date.

M-Power One does not have any plans to construct, own or operate any generation or transmission facilities other than the Project. M-Power One does not currently own or operate any facilities. As such, M-Power One does not own or operate any facilities that will be removed from service during the next ten years.

- (2) An identification of the location of the tentative preferred site for all energy conversion facilities and the tentative location of all transmission facilities on which construction is intended to be commenced within the ensuing five years and such other information as may be required by the commission. The site and corridor identification shall be made in compliance with the criteria published by the commission pursuant to section 49-22-05.1.

As noted above, M-Power One plans to pursue development of the Project in Steele County, North Dakota, and proposes to have the Project constructed and in-service by the Fourth Quarter of 2015. As discussed further below, the Otter Tail Power Company (“OTP”) Colgate

41.6 kV Substation in Cass County, North Dakota, is a potential point of interconnection for the Project, but other interconnection points are being studied.

M-Power One has retained a qualified environmental consulting firm to evaluate the site selected for the proposed Project so as to ensure compliance with the exclusion and avoidance area criteria referenced in Section 49-22-05.1 of the North Dakota Century Code and identified in Chapter 69-06-08 of the North Dakota Administrative Code. A map depicting the study area for the Project is attached as **Exhibit A**.

- (3) A description of the efforts by the utility to coordinate the plan with other utilities so as to provide a coordinated regional plan for meeting the utility needs of the region.

On August 20, 2011, M-Power One's parent company, M-Power, LLC, submitted an amended application for interconnection of 50 MW of wind generation at the OTP Colgate 41.6 kV Substation in Cass County, North Dakota, to the Midcontinent Independent Transmission Systems Operator ("MISO"). M-Power One is currently studying its interconnection options, while MISO is re-evaluating its estimated original interconnection costs and also its cost allocation formula for new generators. Besides the OTP Colgate 41.6 kV point of interconnection, M-Power One is studying other potential wind generation outlets.

M-Power, LLC's amended interconnection application was filed per the MISO Business Practice Manual 015 for Generator Interconnection. M-Power, LLC's amended interconnection application and MISO's administration of the application are consistent with MISO's Open Access Transmission, Energy and Operating Reserves Market Tariff, as approved by the Federal Energy Regulatory Commission, and per the operating policies of the Electric Reliability Organization designed to facilitate the administration of efficient energy markets.

M-Power One has also commissioned a study to determine which regional utilities may have a need for the wind energy capacity produced by the Project, and to identify various options for transmitting the Project's output from the Project site to the identified utilities' respective loads. The study will assist M-Power One in identifying potential off-takers, as well as in its efforts to coordinate selection of the best option(s) for delivering the Project's output to the destination(s) designated by the ultimate off-taker(s).

- (4) A description of the efforts to involve environmental protection and land-use planning agencies in the planning process, as well as other efforts to identify and minimize environmental problems at the earliest possible stage in the planning process.

As noted above, M-Power One has employed a qualified environmental consulting firm to conduct a study of and identify avoidance and exclusion areas within the potential Project site, in accordance with Chapter 49-22 of the North Dakota Century Code and Chapter 69-06-08 of

the North Dakota Administrative Code. In addition, the consultant is to identify any areas of concern that would need special attention during siting and/or facility construction. To date, no environmental or siting concerns have been identified that would preclude development within the footprint.

M-Power One has been in contact with the United States Fish and Wildlife Service, the North Dakota Game and Fish Department, and township officials, among others, regarding the proposed Project. Once M-Power One's initial environmental studies have been completed, M-Power One will contact those agencies and officials, as well as other federal, state and local agencies and governmental units, to discuss and seek additional input regarding the proposed Project.

- (5) A statement of the projected demand for the service rendered by the utility for the ensuing ten years and the underlying assumptions for the projection, with that information being as geographically specific as possible, and a description of the manner and extent to which the utility will meet the projected demands.

M-Power One plans to sell the energy produced by its proposed Project to one or more utilities that need additional renewable energy in order to comply with state and/or, if applicable, federal renewable energy standards and objectives.

In 2007, the North Dakota Legislature enacted a statutory provision adopting the national "25x25" initiative, which establishes a goal of having not less than twenty-five percent of the total energy consumed within the United States come from renewable resources by January 1, 2025.<sup>1</sup> North Dakota also has a statutory goal that ten percent of all electricity sold at retail within the state by the year 2015 be obtained from eligible renewable energy and recycled energy sources.<sup>2</sup> While North Dakota utilities are on track to meet their 2015 goals, additional renewable resources will be needed to meet the 25x25 initiative.

A regional need also exists for renewable energy produced in North Dakota. Eleven of the MISO states currently have renewable portfolio standards. MISO estimates that an additional nearly 48 million megawatt hours ("MWh") of renewables will need to be added by 2021 and approximately 55 million MWh will be needed by 2026 to meet the collective requirements of these standards.<sup>3</sup> With respect to the utilities subject to the Minnesota renewable energy standard, collectively those utilities need approximately 850 MW of additional renewable capacity by 2025 to satisfy the Minnesota standard (without utilizing renewable energy credits), plus additional renewable energy capacity to satisfy their renewable energy requirements in other jurisdictions.<sup>4</sup>

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<sup>1</sup> See N.D.C.C. § 17-01-01.

<sup>2</sup> See N.D.C.C. § 49-02-28.

<sup>3</sup> MISO, *Multi Value Project Portfolio Results and Analysis* (Jan. 10, 2012), at 19.

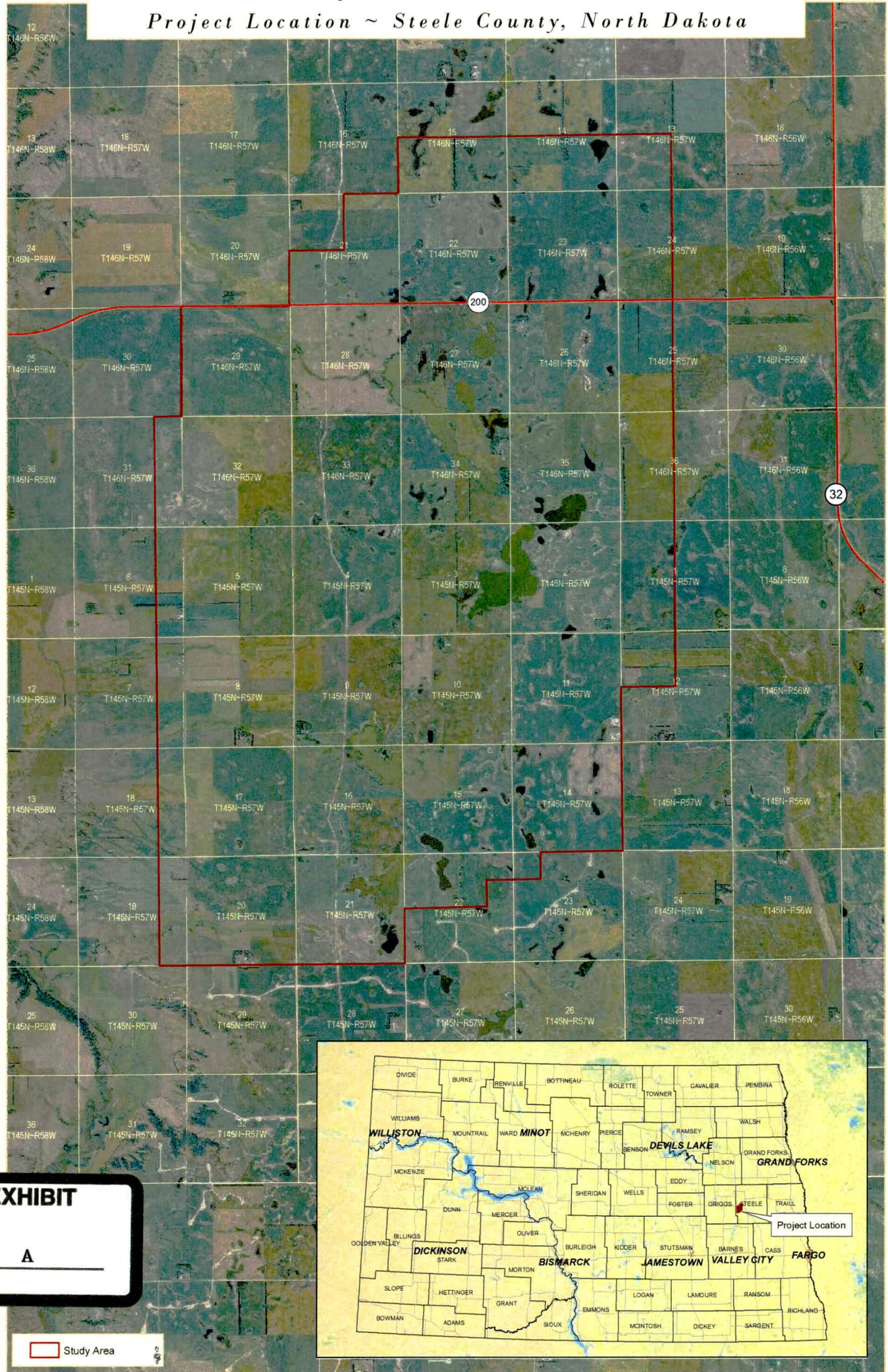
<sup>4</sup> *2013 Biennial Transmission Projects Report*, MPUC Docket No. E-999/M-13-402 (Nov. 1, 2013), at 111-18.

Given the geographic proximity of M-Power One's proposed Project to the Minnesota market, and M-Power, LLC's existing MISO interconnect request, energy from the proposed Project may be utilized to meet the existing renewable energy needs of one or more utilities in the MISO region, as well as other utilities located in adjacent Regional Transmission Organizations ("RTO")/Independent System Operators ("ISO"), such as Western Area Power Administration ("WAPA"), Pennsylvania, Jersey Maryland Power Pool ("PJM"), or Tennessee Valley Authority ("TVA").

Thus, the renewable energy produced by M-Power One's proposed Project will help meet the significant regional need for renewable energy.

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# Luverne Northfield Extension Wind Farm Project Location ~ Steele County, North Dakota



**EXHIBIT**  
**A**

Study Area



STATE OF NORTH DAKOTA  
PUBLIC SERVICE COMMISSION

Case No. PU-14-\_\_\_

IN THE MATTER OF THE FILING OF A TEN  
YEAR PLAN BY M-POWER ONE, LLC

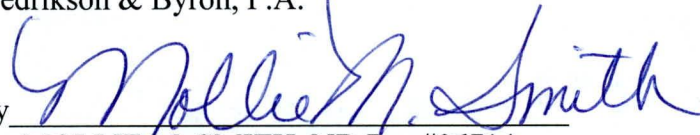
**NOTICE OF FILING TEN YEAR PLAN  
2014-2024**

**PLEASE TAKE NOTICE** that M-Power One, LLC, in accordance with Section 49-22-04 of the North Dakota Century Code and Chapter 69-06-02 of the North Dakota Administrative Code, filed a Ten Year Plan for the years 2014 through 2024 with the North Dakota Public Service Commission on June 30, 2014, and with the Steele County Auditor on June 30, 2014, which discusses its proposed Luverne Northfield Extension Wind Energy Project to be located in Steele County, North Dakota.

Dated this 30th day of June, 2014.

Fredrikson & Byron, P.A.

By



MOLLIE M. SMITH, ND Bar #06714  
*Attorneys for M-Power One, LLC*  
200 South 6<sup>th</sup> Street, Suite 4000  
Minneapolis, MN 55402  
(612) 492-7270

**CERTIFICATE OF SERVICE**

I, the undersigned, hereby certify that a true and correct copy of the following document:

**NOTICE OF FILING TEN YEAR PLAN: 2014-2024**

was on the 30th day of June, 2014 served by placing the same in the United States mail, postage prepaid, properly addressed to the following:

North Dakota Aeronautics Commission  
P.O. Box 5020  
Bismarck, ND 58502-5020

North Dakota Office of Attorney General  
State Capitol  
600 East Boulevard Avenue  
Department 125  
Bismarck, ND 58505

North Dakota Department of Agriculture  
600 East Boulevard Avenue  
Department 602  
Bismarck, ND 58505-0020

North Dakota Department of Health  
600 East Boulevard Avenue  
Bismarck, ND 58505-0200

Department of Human Services  
600 East Boulevard Avenue  
Department 325  
Bismarck, ND 58505-0250

North Dakota Department of Labor  
600 East Boulevard Avenue  
Department 406  
Bismarck, ND 58505-0340

Department of Vocational Education  
c/o Career and Technical Education  
State Capitol, 15th Floor  
600 East Boulevard Avenue, Department 270  
Bismarck, ND 58505-0610

North Dakota Department of Commerce  
P.O. Box 2057  
Bismarck, ND 58502-2057

Energy Infrastructure and Impact Office  
North Dakota Department of Trust Lands  
1707 North Ninth Street  
P.O. Box 5523  
Bismarck, ND 58506-5523

North Dakota Game and Fish Department  
100 North Bismarck Expressway  
Bismarck, ND 58501-5095

North Dakota Industrial Commission  
600 E. Boulevard Avenue, Dept. 405  
Bismarck, ND 58505

Office of Governor Jack Dalrymple  
State of North Dakota  
600 East Boulevard Ave.  
Bismarck, ND 58505-0100

North Dakota Department of Transportation  
608 East Boulevard Ave.  
Bismarck, ND 58505-0700

State Historical Society of North Dakota  
612 East Boulevard Ave.  
Bismarck, ND 58505-0830

North Dakota Indian Affairs Commission  
State Capitol Building  
600 East Boulevard Avenue  
1st Floor, Judicial Wing - Room #117  
Bismarck, ND 58505

Job Service North Dakota  
P.O. Box 5507  
Bismarck, ND 58506-5507

North Dakota Department of Trust Lands  
1707 North Ninth Street  
P.O. Box 5523  
Bismarck, ND 58506-5523

North Dakota Parks and Recreation Department  
1600 East Century Avenue, Suite 3  
Bismarck, ND 58503-0649

North Dakota State Soil Conservation Committee  
c/o NDSU Extension Service  
2718 Gateway Avenue, Suite 104  
Bismarck, ND 58503

North Dakota State Water Commission  
900 East Boulevard Avenue, Department 770  
Bismarck, ND 58505-0850

United States Department of Defense  
1400 Defense Pentagon  
Washington, DC 20301-1400

United States Fish and Wildlife Service  
North Dakota Field Office  
3425 Miriam Avenue  
Bismarck, ND 58501-7926

United States Army Corps of Engineers  
North Dakota Regulatory Office  
1513 South 12<sup>th</sup> Street  
Bismarck, ND 58504

United States Department of Transportation  
Federal Aviation Administration  
800 Independence Avenue SW  
Washington, DC 20591

Steele County Commissioners  
c/o Elisha Washburn  
Steele County Auditor  
P.O. Box 275  
201 Washington Avenue W  
Finley, ND 58230-0275

North Dakota Transmission Authority  
1016 East Owens Avenue  
P.O. Box 2277  
Bismarck, ND 58502-2277

North Dakota Pipeline Authority  
State Capitol 14th Floor  
600 East Boulevard Avenue, Department 405  
Bismarck, ND 58505-0840

  
MOLLIE M. SMITH

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