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November 20, 2015

VIA U. S. AND ELECTRONIC MAIL

Mr. Darrell Nitschke, Executive Secretary
 North Dakota Public Service Commission
 600 East Blvd.
 Bismarck, ND 58505

RE: STREETLIGHTING TARIFF – LED OFFERING (CASE NO. PU-15-692)

Dear Mr. Nitschke:

Northern States Power Company, doing business as Xcel Energy, respectfully submits to the Commission additional cost information regarding our conversion of Company-owned streetlights to Light Emitting Diode (LED) technology. At the November 18 Informal Hearing, Commissioner Kalk inquired as to the estimated costs of the North Dakota conversion project. The Table below shows the number of conversions by wattage, the unit costs for each wattage, and the resulting total cost of just over \$750,000 for the North Dakota rollout.

Wattage	Avg. Unit Cost	Number	Estimated Spend
100→39	\$202.69	2,248	\$455,647
150→65	\$223.85	1,066	\$238,621
250→155	\$334.01	150	\$50,101
400→246	\$490.19	15	\$7,353
Totals		3,479	\$751,721

For the Commission’s information, the total cost for the Company’s eight state conversion is about \$90 million.

Please contact me if you have any further questions about this response or the filing in general.

Sincerely,

David H. Sederquist
 Sr. Regulatory Consultant

CC: Sara Cardwell