MPUC Docket No. E-6472/GS-06-668
OAH Docket No. 12-2500-17512-2

BEFORE THE
MINNESOTA OFFICE OF ADMINISTRATIVE HEARINGS
100 Washington Square, Suite 1700
Minneapolis, Minnesota 55401-2138

FOR THE
MINNESOTA PUBLIC UTILITIES COMMISSION
127 7th Place East, Suite 350
St. Paul, Minnesota 55101-2147

In the Matter of a Joint LEPGP Site Permit,
HVTL Route Permit and Pipeline (Partial Exemption)
Route Permit Application for the Mesaba Energy Project

PREPARED SUPPLEMENTAL TESTIMONY AND EXHIBITS OF

EXCELSIOR ENERGY INC., MEP-I LLC, AND MEP-II LLC

ROBERT S. EVANS II

MARCH 15, 2007

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EXCELSIOR ENERGY, INC.

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

PREPARED SUPPLEMENTAL TESTIMONY OF

ROBERT S. EVANS

Q Please state your name, current employment position and business address.

A Robert S. Evans II. I am the Vice President, Environmental Affairs for Excelsior Energy Inc. ("Excelsior"). My business address is Excelsior Energy Inc., Crescent Ridge Corporate Center, 11100 Wayzata Boulevard, Suite 305, Minnetonka, Minnesota 55305.

Q On whose behalf are you testifying?

A I am testifying on behalf of MEP-I LLC, MEP-II LLC, and Excelsior Energy Inc. (collectively "Excelsior"), the developers of the Mesaba Energy Project (the "Project").

Q Have you previously provided testimony in this case?

Yes. I provided direct testimony on this case on January 16, 2007.

Scope and Summary

Q What is the scope of your supplemental testimony?

A I would like to supplement the record with revised, annual average load (long term) electric and magnetic field ("EMF") calculations for the high voltage transmission lines ("HVTLs") potentially serving the Project.

Q In direct testimony filed on January 16, 2007 in support of the Mesaba Energy Project, Mr. Paul Young of Laramore, Douglas, & Popham ("LDP") provided annual average load EMF strengths calculated for the circumstance reflected by operating the East Range 345 kV HVTLs at 230 kV during Phase I. Are there changes concerning the EMF strengths calculated for other HVTLs that should be noted?

A Yes. Originally, the EMF strengths presented in the Joint Application and Environmental Supplement were determined on the basis of the average height of the HVTL conductors above ground level. Excelsior has recalculated the field strengths at the point of the HVTL conductors' maximum sag (that is, the point at which the conductors are closest to ground level). In order to mimic conditions under which long term exposures would be observed, the recalculated field strengths are based on normal operating conditions. Previous calculations were based on contingency conditions (that is, short-term events) where each HVTL conductor would be loaded to its maximum capacity.

Q. Where specifically will such changes be noted?

A. Table RSE-S1 cross-references the original figures numbered 4.6-1 to 4.6-12 in the Joint Application and those numbered 1.12-40 through 1.12-50 in the Environmental Supplement with new figures provided by LDP that are attached to this document as Exhibit ___ (RSE-S1).

Table RSE-S1. Cross-References Between the Existing Figures Provided in the Joint Application and Environmental Supplement vs. the Figure Numbers Contained in Exhibit RSE-S1

Joint Application Figure No.	Environmental Supplement Figure No.	Exhibit RSE-S1 Figure No.
4.6-1	1.12-40	4.6-1
4.6-2	No Comparable Figure Provided	4.6-2
4.6-3	1.12-41	4.6-3
4.6-4	1.12-42	4.6-4
4.6-5	1.12-43	4.6-5
4.6-6	1.12-44	4.6-6
4.6-7	1.12-45	4.6-7
4.6-8	1.12-46	4.6-8
4.6-9	1.12-47	4.6-9
4.6-10	1.12-48	4.6-10
4.6-11	1.12-49	4.6-11
4.6-12	1.12-50	4.6-12

Q. Does this conclude your supplemental testimony?

A Yes.

EXHIBITS

EXHIBIT ___ (RSE-S1)