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Maple Grove, Minnesota 55369-4718
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greatriverenergy.com

7 March 2017

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



RE: 2016 Tree Mitigation Report
Prairie Substation to Ramsey Substation 230 KV "GD" Transmission Line
Case Number PU-12-398

Dear Mr. Nitschke:

On December 12, 2012, the Commission issued Certificate of Compatibility No. 140 to Great River Energy. Great River Energy respectfully submits (via efile and US Postal) the following information regarding tree planting survival rates on the Steinhaus and Olson properties:

- **A copy of the Tree and Shrub Survival Report** (see attached email): On December 7, 2016, Breanna DeMarais, Ramsey County Soil Conservation District Technician reported on the inventory survey she conducted on the Steinhaus property. She found that survival was excellent for all trees except the Ponderosa Pine, where 125 trees died.

Breanna was unable to reach Mr. Olson to conduct a tree inspection on his property prior to snow cover. She will try again this spring to conduct the inspection. If the upcoming spring survey (see attached table) shows that all of Olson's trees survive, the projected rate would be 85.5 percent (1618 trees survived).

We will submit a revised report as soon as Olson's trees have been surveyed. If you have any questions, I can be reached at 763-445-5215, or by email at mparlow@greenergy.com.

Respectfully submitted,

GREAT RIVER ENERGY

Marsha Parlow
Transmission Permitting Analyst

c: Jerry Lein, ND PSC
Chuck Lukkarila, GRE

Attachments

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Tree and Shrub Survival Report

Great River Energy
Marsha Parlow

Parlow, Marsha GRE-MG

From: DeMarais, Breanna - NRCS-CD, Devils Lake, ND <Breanna.DeMarais@nd.nacdnet.net>
Sent: Wednesday, December 07, 2016 12:16 PM
To: Parlow, Marsha GRE-MG
Subject: RE: Landowners on Trees Survey

EXTERNAL

Hello,

No. Sorry, I wasn't able to get out there. I was actually never able to contact him. I could try again next spring if you'd like.

-Breanna

From: Parlow, Marsha GRE-MG [mailto:mparlow@GREnergy.com]
Sent: Wednesday, December 07, 2016 11:22 AM
To: DeMarais, Breanna - NRCS-CD, Devils Lake, ND <Breanna.DeMarais@nd.nacdnet.net>
Subject: RE: Landowners on Trees Survey

Hi Breanna,

Thank you for the status on Clerk's property. Did you have a chance to check Earl's trees?

Marsha Parlow
Transmission Permitting Analyst
Great River Energy
12300 Elm Creek Boulevard
Maple Grove, MN 55369
Direct: 763-445-5215 | Fax: 763-445-5246 | Cell: 612-345-1212
WWW.GreatRiverEnergy.com

** Please consider the environment before you print this e-mail.*

From: DeMarais, Breanna - NRCS-CD, Devils Lake, ND [mailto:Breanna.DeMarais@nd.nacdnet.net]
Sent: Monday, November 07, 2016 3:36 PM
To: Parlow, Marsha GRE-MG <mparlow@GREnergy.com>
Subject: RE: Landowners on Trees Survey

EXTERNAL

Hi Marsha,

I have Clerk Stienhaus's done. From what I saw, his tree's look great.
However he has lost all of his Ponderosa Pine in that 4th row. Which was 125 trees.
Lilac- 20
Amur Maple-15
Cottonwood-4
Boxelder- 15
Red. Dogwood-7

If I can get a hold of Earl, his should be done tomorrow.

Breanna DeMarais (Frellich) | District Manager

Ramsey County Soil Conservation District
706 8th Ave. SE Ste. 2
Devils Lake, ND 58301
701.662.4088 Ex. 3
Breanna.DeMarais@nd.nacdnet.net

From: Parlow, Marsha GRE-MG [<mailto:mparlow@GREnergy.com>]
Sent: Monday, November 07, 2016 11:21 AM
To: DeMarais, Breanna - NRCS-CD, Devils Lake, ND <Breanna.DeMarais@nd.nacdnet.net>
Subject: RE: Landowners on Trees Survey

Hi Breanna,

When will the survey be completed?

Marsha

From: Parlow, Marsha GRE-MG
Sent: Tuesday, October 04, 2016 10:13 AM
To: 'breanna.demarais@nd.nacdnet.net' <breanna.demarais@nd.nacdnet.net>
Subject: Landowners on Trees Survey

Hi Breanna,

Here are the landowners that have the trees that need survey. If you need further information, please let me know. Thanks for your help!

Marsha Parlow
Transmission Permitting Analyst
Great River Energy
12300 Elm Creek Boulevard
Maple Grove, MN 55369
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Species	Planted	2015	2015	2015	2015	2016	2016	2016	
		Olson loss	Steinhaus loss	Total loss	Survival Actual	Olson loss *	Steinhaus loss	Total Loss	Survival * Projected
Cottonwood	136	2	13	15	121		4	4	117
Black Hills Spruce/Colorado	65	4		4	61			0	61
Boxelder	143		14	14	129		15	15	114
Apple	22	1		1	21			0	21
Pear	10				10			0	10
Lilac	667		20	20	647		20	20	627
Amur Maple	200		15	15	185		15	15	170
Red Osier Dogwood	500		20	20	480		7	7	473
June Berry	25				25			0	25
Ponderosa Pine	125				125		125	125	0
All Species	1893				1804				1618
					95.3%				85.5%

* Unable to survey Olson's property before snow cover. Trees will be surveyed in the spring 2017 and results reported to NDPSC.