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FILED

DEC 22 2016

Missouri Public  
Service Commission

Presentation to Missouri Public Service Commission  
December 7, 2016  
Monroe City, MO

Re: Grain Belt Express Clean Line LLC  
Case No.: EA-2016-0358

BS Physics  
PhD Chemistry  
Registered Patent Agent – United States Patent and Trademark Office

Named inventor more than 25 US and International issued patents  
Small business owner – computer sales and support 1982 – present

Monroe County Missouri Landholder – over 35 years (Grain Belt path proposes to divide the property)  
Republic County Kansas Landholder – over 50 years (Grain Belt proposal misses by ~ 10 miles)



Weather Records for Dodge City, Kansas:

[https://www.wunderground.com/history/airport/KDDC/2016/12/7/WeeklyHistory.html?req\\_city=Dodge+City&req\\_state=KS&req\\_statename=&reqdb.zip=67801&reqdb.magic=1&reqdb.wmo=99999](https://www.wunderground.com/history/airport/KDDC/2016/12/7/WeeklyHistory.html?req_city=Dodge+City&req_state=KS&req_statename=&reqdb.zip=67801&reqdb.magic=1&reqdb.wmo=99999)

November 2016 Wind Generation Peak:

<http://www.utilitydive.com/news/miso-spp-ercot-all-hit-new-wind-energy-records-in-november/409859/>

Wind Project Failures:

<http://www.pressherald.com/2016/04/21/one-time-star-in-solar-energy-sunedison-files-for-bankruptcy-protection/>

<http://www.startribune.com/owners-of-two-minnesota-wind-farms-file-for-bankruptcy-court-protection/287867471/>

<http://www.windpowermonthly.com/article/1129055/solyndra-bankruptcy-scandal-spills-wind-projects>

[https://www.inforuptcy.com/community/bankruptcy-attorneys-and-news-89-03694-Dragon-Wind-Farm--Inc---casbke\\_187902](https://www.inforuptcy.com/community/bankruptcy-attorneys-and-news-89-03694-Dragon-Wind-Farm--Inc---casbke_187902)

<http://www.greenwichneighborsunited.com/green-energy-could-cause-the-largest-bankruptcy-in-german-history/>

[https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=22&cad=rja&uact=8&ved=0ahUKEwimut3K-uHQAhUrj1QKHxWID9w4FBAWCBwwAQ&url=http%3A%2F%2Fwww.wsj.com%2Farticles%2Fmichael-dell-backed-noble-environmental-files-for-bankruptcy-1473968112&usg=AFQjCNGDVca67GXVMWSoiWfkbIHdfktK8g&sig2=dEL\\_XMdYKRpWYPKiW5Yu7Q&bvm=bv.140496471,bs.1,d.cGc](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=22&cad=rja&uact=8&ved=0ahUKEwimut3K-uHQAhUrj1QKHxWID9w4FBAWCBwwAQ&url=http%3A%2F%2Fwww.wsj.com%2Farticles%2Fmichael-dell-backed-noble-environmental-files-for-bankruptcy-1473968112&usg=AFQjCNGDVca67GXVMWSoiWfkbIHdfktK8g&sig2=dEL_XMdYKRpWYPKiW5Yu7Q&bvm=bv.140496471,bs.1,d.cGc)

[https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=25&cad=rja&uact=8&ved=0ahUKEwimut3K-uHQAhUrj1QKHxWID9w4FBAWCCwwBA&url=http%3A%2F%2Fwww.sunwindenergy.com%2Fnews%2Fwindreich-files-bankruptcy&usg=AFQjCNHI7Jx2\\_guJ-3ooVvflwkecH5Q-tQ&sig2=W2hWLV74-2icfDvQk\\_xP\\_w&bvm=bv.140496471,bs.1,d.cGc](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=25&cad=rja&uact=8&ved=0ahUKEwimut3K-uHQAhUrj1QKHxWID9w4FBAWCCwwBA&url=http%3A%2F%2Fwww.sunwindenergy.com%2Fnews%2Fwindreich-files-bankruptcy&usg=AFQjCNHI7Jx2_guJ-3ooVvflwkecH5Q-tQ&sig2=W2hWLV74-2icfDvQk_xP_w&bvm=bv.140496471,bs.1,d.cGc)

<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=35&cad=rja&uact=8&ved=0ahUKEwj0uNr0-uHQAhXoq1QKHbM0C144HhAWCDEwBA&url=http%3A%2F%2Fedgarcountywatchdogs.com%2F2015%2F06%2Fwind-farm-bankrupt-foreclosure-sought-on-sublette-il-landowner%2F&usg=AFQjCNGXqqK-8--wo7NzOSlyOiY-9F3XbQ&sig2=gV3-MVIYIDkLrrk4Xkh4Yg&bvm=bv.140496471,bs.1,d.cGc>

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Bankrupt transmission includes:

Oncor

Energy Future Holdings Corp.

Columbia Gas

Beartooth Electric

Pacific Gas and Electric

El Paso Electric

Early lifetime failures of wind projects have resulted in:

Liens being filed against landowners for materials and labor for construction on their property

Tax assessments being collected from the landowner when the wind contractor failed to pay

Costs for decommissioning partially finished wind projects assessed to the landowner.

A requirement that Grain Belt post an irrevocable bond in an amount sufficient to decommission the project at any time (not after 20 years) after the first shovel is put into the ground for the project is a reasonable requirement. If the prospects for Grain Belt are as positive as they present then the cost to Grain Belt to have a reliable financial institution back a decommissioning bond should not be a significant obligation on their part. In the absence of a decommissioning fund Missouri will have a profane monument 206 miles long if Grain Belt does not meet its obligations.

Indiana Utility Regulatory Commission

Cause No. 44264

Order of the Commission

Issued May 22, 2013

Page 15: "The Settlement Agreement states that the Commission should give its consent to Boards of County Commissioners of all Indiana counties to grant Petitioner such licenses, permits or

franchises as may be necessary for Petitioner to occupy county roads, highways and other public rights-of-way for the provision of its services and facilities . . .”

Page 16: “Petitioner is not in a position to make an irrevocable commitment not to seek cost allocation.”

Page 17: “Consequently, if all the qualifications for PJM or MISO regional cost sharing were met, costs associated with the Project could then be regionally allocated pursuant to a FERC-approved tariff through no action on the part of the Petitioner.”

Page 20: figures are consistent with a capacity factor of 43% not the higher value in the Missouri Grain Belt application.

Notice of Petitioner’s Informational Report to the Federal Energy Regulatory Commission

July 29, 2016

Page 2 notice of change of delivery capacity from 3500MW to 4000MW

No notice filed of changes in Grain Belt in senior management even though since the date of the original Indiana order both the original Corporate Counsel and the Project Manager have left Grain Belt.

Non-Green transmission

Clean Line Project

October 2016

USAEE/IAEE North American Conference

Mario Hurtado, Clean Line Executive Vice President

“Average line utilization from wind power will be around 60%. Remaining capacity available for SPP market power delivery to MISO or PJM. Possible use of unused capacity – Solar – Arbitrage

This is specifically for the Plains and Eastern Project