

Exhibit No. \_\_\_\_\_  
Issues: Customer Agreement,  
Public Outreach Process,  
Economic Benefits  
Witness: Mark O. Lawlor  
Type: Direct Testimony  
Sponsoring Party: Grain Belt Express  
Clean Line LLC  
Case No.: EA-2016-\_\_\_\_\_  
Date Testimony Prepared: June 30, 2016

**MISSOURI PUBLIC SERVICE COMMISSION**

**CASE NO. EA-2016-\_\_\_\_\_**

**DIRECT TESTIMONY OF**

**MARK O. LAWLOR**

**ON BEHALF OF**

**GRAIN BELT EXPRESS CLEAN LINE LLC**

**June 30, 2016**

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1 **I. INTRODUCTION AND PURPOSE OF TESTIMONY**

2 **Q. Please state your name, present position and business address.**

3 A. My name is Mark O. Lawlor. I am Director of Development for Clean Line Energy Partners  
4 LLC (“Clean Line”). Clean Line is the ultimate parent company of Grain Belt Express  
5 Clean Line LLC (“Grain Belt Express” or “Company”), the Applicant in this proceeding.  
6 I am based in the Kansas City metropolitan area, but my business address is 1001  
7 McKinney Street, Suite 700, Houston, TX 77002.

8 **Q. Please describe your educational and professional background.**

9 A. I received my undergraduate degrees in political science and environmental studies from  
10 the University of Kansas in 1997 and my Juris Doctor from Washburn University in 2000.  
11 Immediately prior to joining Clean Line, I was Project Manager for EDP Renewables  
12 (previously known as Horizon Wind Energy) and was tasked with developing wind energy  
13 projects, managing transmission policy in the Midwest region, and overseeing legislative  
14 and regulatory matters in the region on behalf of that company. Before joining Horizon  
15 Wind Energy, I was a founding partner in a law firm specializing in renewable energy law.

16 **Q. Have you previously testified before any federal or state regulatory commissions?**

17 A. Yes. I have testified before the Kansas Corporation Commission (“KCC”), Illinois  
18 Commerce Commission (“ICC”), and the Missouri Public Service Commission (the  
19 “Commission”).

20 **Q. What are your duties and responsibilities as Director of Development at Clean Line?**

21 A. I am responsible for the development of the Grain Belt Express Clean Line transmission  
22 project (“Grain Belt Express Project” or “Project”). I oversee the siting process, public  
23 outreach, regulatory and environmental permitting efforts, and commercial agreements  
24 with Missouri utilities among other duties.

1 **Q. What is the purpose of your direct testimony?**

2 A. I will describe the long-term Transmission Service Agreement (“TSA”) that Grain Belt  
3 Express has signed with the Missouri Joint Municipal Electric Utility Commission  
4 (“MJMEUC”). I will also describe public outreach activities related to siting and how  
5 information about the Project is shared with landowners and other stakeholders. I will  
6 describe some of the economic benefits that will be generated by the construction and  
7 operation of the Project and the support that has been garnered for the Project.

8 **II. AGREEMENT WITH MISSOURI-BASED UTILITY**

9 **Q. Please explain the agreement Grain Belt Express has with municipal utilities in**  
10 **Missouri.**

11 A. On June 2, 2016, Grain Belt Express entered into a long-term TSA with MJMEUC.  
12 **Schedule MOL-1** contains a copy of the TSA. MJMEUC is a joint action agency  
13 authorized under Section 393.700, et seq.,<sup>1</sup> RSMo to operate as an electric utility for the  
14 benefit of Missouri municipal and cooperative electric utilities. Today MJMEUC has 67  
15 members who serve approximately 347,000 retail customers and who have a combined  
16 peak load of over 2,600 MW. Under the agreement, MJMEUC has agreed to purchase 200  
17 MW of firm transmission capacity rights on the Grain Belt Express Project from Grain Belt  
18 Express’ western converter station in Ford County, Kansas to the converter station in  
19 Missouri (“Kansas-Missouri Service”).

20 In addition, MJMEUC has agreed to purchase 25 MW of capacity (with the option  
21 to purchase another 25 MW) from the Missouri converter station to the Sullivan Substation  
22 in PJM Interconnection LLC (“PJM”) (“Missouri-PJM Service.”) This allows MJMEUC

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<sup>1</sup> All statutory references are to the Missouri Revised Statutes (2000), as amended, unless otherwise noted.

1 utilities the ability to directly make off-system sales into the PJM market and derive  
2 additional financial benefits.

3 This agreement, along with a power purchase agreement for wind energy, provides  
4 MJMEUC and its members with long-term access to low-cost renewable energy and  
5 substantial economic benefits compared to alternative options.

6 **Q. Has MJMEUC estimated the benefits it will receive from the 200 MW of Kansas-**  
7 **Missouri Service capacity?**

8 A. Yes. Due to the direct delivery into Missouri, MJMEUC can access low-cost energy via  
9 the Project with less energy loss and without congestion risk associated with comparably-  
10 priced wind energy delivered over the alternating current (“AC”) system in the  
11 Midcontinent Independent System Operator, Inc. (“MISO”) or the Southwestern Power  
12 Pool, Inc. (“SPP”). As a result, wind energy delivered to MJMEUC members through the  
13 Project will cost substantially less than other alternatives. MJMEUC also compared the  
14 cost of delivered energy by the Project to existing contracts for energy and capacity. Based  
15 on proposed power purchase agreement terms from wind developers near the Kansas  
16 converter station, MJMEUC estimates that the capacity purchase of 200 MW from the  
17 Project will save members at least \$10 million annually compared to an existing contract  
18 for fossil fuel generation.

19 **Q. How will the MJMEUC members benefit from Missouri-PJM Service provided in this**  
20 **agreement?**

21 A. MJMEUCU has the right to use 25 MW of capacity from the Missouri converter station to  
22 PJM. They also have an option to purchase an additional 25 MW of this capacity at a future

1 date. This capacity will allow MJMEUC the opportunity to make off-system sales into the  
2 PJM market creating a new revenue opportunity.

3 **Q. Have other municipal utilities expressed interest in joining the long-term**  
4 **Transmission Service Agreement with MJMEUC?**

5 A. Yes. Several other municipal utilities have shown interest in participating in the TSA with  
6 MJMEUC. I have met with municipal utilities who are pursuing options to participate in  
7 the TSA. On June 16, 2016, the Council of the City of Kirkwood authorized their municipal  
8 utility to enter into negotiations with MJMEUC. The City of Kirkwood's Resolution is  
9 attached as **Schedule MOL-2**. Kirkwood and other municipalities recognize the value  
10 created by the Project and have concluded it will result in substantial benefits to their  
11 taxpayers.

12 **III. THE PUBLIC OUTREACH PROCESS, LANDOWNER NOTIFICATION AND**  
13 **PARTICIPATION**

14 **a. Public Outreach Process**

15 **Q. What is Grain Belt Express' approach to public outreach?**

16 A. Grain Belt Express places great importance on developing and maintaining relationships  
17 with local government officials and agencies, non-governmental organizations with  
18 specific expertise and local familiarity, other utilities and businesses, and landowners  
19 (collectively referred to as "stakeholders") and strives to be transparent and fair in all  
20 interactions. Our goal is to build long-lasting relationships with landowners and  
21 community members by working in a respectful and collaborative manner throughout the  
22 life of the Project. Grain Belt Express has carried out extensive public outreach in the  
23 Project area. Beginning in 2011, Grain Belt Express has held or participated in hundreds

1 of stakeholder meetings with the general public, elected officials, landowners, and  
2 businesses throughout the Project Area and the rest of the state.

3 **Q. What are the objectives of the public outreach process in Missouri?**

4 A. Grain Belt Express operates on the premise that an extensive, methodical, multi-level  
5 public outreach strategy that is continuous and iterative with the route development process  
6 is the best way to identify a Proposed Route for the Project. An extensive public outreach  
7 process can also support the acquisition of necessary transmission line easements through  
8 voluntary transactions. The objectives of the public outreach process are:

- 9 • To develop a Proposed Route with the least impact across the state. Publicly available  
10 data sets do not contain all of the necessary information needed to route a project of  
11 this size, but methodical outreach to stakeholders can beneficially supplement publicly  
12 available information. The extensive outreach associated with this data collection also  
13 provided Grain Belt Express with opportunities to verify the accuracy of the routing  
14 data that were gathered while conducting desktop research and completing ground and  
15 helicopter surveys along potential routes.
- 16 • To communicate the purpose and need for the Project and to seek feedback on the  
17 Project from government officials, non-governmental organizations, and the public.
- 18 • To convey the Company's respect for private property rights and to provide  
19 information about planned construction practices and planned efforts to minimize and  
20 mitigate any agricultural impacts of construction of the transmission line.
- 21 • To provide general information about the Company's right-of-way acquisition process,  
22 landowner compensation, and the benefits offered to landowners.
- 23 • To develop the Project in a collaborative, methodical, and transparent manner.

1 **Q. Do you have any metrics illustrating the public outreach process in Missouri?**

2 A. Yes. Grain Belt Express keeps a record of its public outreach meetings.

3 • 12 Community Leader Roundtable Meetings

4 • 17 office hour meetings

5 • Hundreds of meetings with individual landowners

6 • 21 Public Meetings, including 8 meetings in 2016 with 712 direct mail invitations to  
7 landowners

8 **Q. Describe the meetings that Grain Belt Express had with community representatives,  
9 elected officials and landowners regarding the Project.**

10 A. Starting in 2012, Grain Belt Express conducted a series of Community Leader Roundtable  
11 Meetings (“Roundtables”) in Missouri. Grain Belt Express held 12 Roundtables with local  
12 officials, economic development representatives, and community leaders in the Project  
13 Area to gather input on constraints, opportunities and other factors that would lead to the  
14 most suitable routing options for the Project. Following the Roundtables, Grain Belt  
15 Express held Public Meetings with landowners. The purpose of these Public Meetings in  
16 2013 was to present information about the Project to interested landowners and the public  
17 in the Project Area, to answer their questions and address their concerns, and to gather  
18 feedback to refine potential route network. Grain Belt Express continued to be available to  
19 community leaders and landowners through office hour meetings. **Schedule MOL-3**  
20 contains the dates and locations of the Roundtables, 2013 Public Meetings and office hour  
21 meetings.

22 In 2016, Grain Belt Express again held public meetings in each of the eight counties  
23 through which the Project will pass to provide information about the Project, answer



1 questions about the Project and review the Proposed Route. **Schedule MOL-4** is a table of  
2 the dates and locations of the eight Public Meetings held in June 2016.

3 Additionally, Grain Belt Express has continually met with landowners, county  
4 commissioners, local leaders, state legislators and the public about the Project. Grain Belt  
5 Express maintains a toll-free number and has a policy to respond to calls within 48 hours.

6 **Q. In addition to public meetings, how has Grain Belt Express engaged landowners?**

7 **A.** Grain Belt Express also meets one-on-one with community leaders and landowners. Grain  
8 Belt Express Project representatives have spoken with a large majority of the individual  
9 property owners along the Project's Proposed Route. Invitations to public meetings and  
10 notices of filing have been sent to all property owners of record and attempts to contact  
11 and meet with every landowner have been made.

12 The Company's intent in meeting with landowners far in advance of construction  
13 is to provide as much time as possible for landowners to understand the Project, review the  
14 easement agreement, and secure legal representation if desired. Grain Belt Express strives  
15 to identify issues specific to each landowner, and to address these issues by making minor  
16 route adjustments or modifying the easement agreement wherever possible.

17 **Q. Has Grain Belt Express been in contact with federal and state government**  
18 **departments and agencies about the Grain Belt Express Project?**

19 **A.** Yes. Grain Belt Express has consulted with each of the following state and federal  
20 government departments and agencies concerning the Project for one or more of the  
21 following purposes: (1) to inform the department or agency about the Project, because the  
22 department or agency may have some regulatory responsibility or interest concerning the  
23 Project; (2) to inquire about the processes for obtaining any permits, licenses or other

1 approvals required from the department or agency for the Project; and (3) to obtain  
2 information the department or agency may have that is pertinent to the determination of  
3 the Proposed Route.

- 4 • Missouri Department of Conversation
- 5 • Missouri Department of Natural Resources (State Historical Preservation  
6 Office, Division of Environmental Quality)
- 7 • Missouri Department of Transportation
- 8 • National Parks Service
- 9 • U.S. Natural Resources Conservation Service
- 10 • Federal Energy Regulatory Commission (FERC)
- 11 • U.S. Fish and Wildlife Service (USFWS)
- 12 • U.S. Environmental Protection Agency, Region 7
- 13 • U.S. Army Corps of Engineers (USACE)

14 Grain Belt Express has also had numerous contacts with other federal departments and  
15 agencies and with the comparable state government departments and agencies in Kansas,  
16 Missouri, Illinois and Indiana concerning the Project, the Project route, and permits,  
17 licenses and approvals that may be required for the Project in other states. Interactions with  
18 state and federal agencies are described in more detail in the Direct Testimony of Company  
19 witness James Puckett.

20 **Q. Has Grain Belt Express been in contact with non-governmental organizations about**  
21 **the Project?**

22 **A.** Yes. Grain Belt Express held meetings with representatives of non-governmental  
23 organizations (“NGOs”) and relevant associations in Missouri beginning in 2011. The

1 goals were to present the Project overview and anticipated schedule, discuss siting criteria  
2 and methodology, and gather additional information.

- 3 • The Nature Conservancy
- 4 • Associated Industries of Missouri
- 5 • Association of Missouri Electric Cooperatives
- 6 • Audubon Missouri
- 7 • Ducks Unlimited
- 8 • Missouri Farm Bureau
- 9 • Missouri Association of Counties
- 10 • Missouri Chamber of Commerce and Industry
- 11 • Missouri Prairie Foundation
- 12 • The Sierra Club

13 **Q. How did you notify the public of meetings on the Project?**

14 **A.** Grain Belt Express has utilized a combination of newspaper advertisements, press releases,  
15 personal invitations via the U.S. Postal Service, and phone calls to landowners to notify  
16 stakeholders of meetings on the Project. Prior to filing this Application with the  
17 Commission, Grain Belt Express sent personal invitations to landowners with property  
18 along the Proposed Route to notify them of the Public Meetings. **Schedule MOL-5**  
19 contains a sample of the letter sent to landowners for the Public Meetings held in 2016.

20 **Q. How did Grain Belt Express obtain landowner addresses for the notification of Public**  
21 **Meetings in 2016?**

22 **A.** Grain Belt Express engaged Lochmueller Group, a St. Louis company, to identify the  
23 landowner of record for each parcel crossed by the Project by obtaining this data from

1 publicly available tax card information. In addition to mailing the landowners of record  
2 listed on the county's tax card, Grain Belt also mailed invitations to other contacts that are  
3 in our database from previous meetings with landowners. These individuals are associated  
4 with the parcels as tenants, relatives of landowners, and others who have attended past  
5 meetings on the Project. In total, Grain Belt Express mailed 712 letters notifying  
6 landowners of record and associated contacts of the public meetings held in June 2016.

7 **Q. In addition to the meetings you described, did Grain Belt Express reach out to the**  
8 **public through other means?**

9 A. Yes. Grain Belt Express has also maintained an active online presence. The Project's  
10 website, [www.grainbeltexpresscleanline.com](http://www.grainbeltexpresscleanline.com), has been maintained and actively updated  
11 since the beginning of the Project's development in 2010. Among other information, the  
12 website contains: (1) a video that describes the need for the Project and how Grain Belt  
13 Express will bring significant economic benefit to Missouri and other states through  
14 transmission expansion to support new wind energy projects; (2) a construction simulation  
15 video describing each step of the pre-construction and construction processes; (3) a  
16 Frequently Asked Questions section for stakeholders to learn details about the Project; (4)  
17 a section on how local businesses can learn about opportunities to participate in the  
18 construction of the Project; and (5) sections for Missouri landowners to learn about  
19 upcoming public meetings, view maps, read studies relating to the Project, and locate third-  
20 party resources.

21 **b. Selection of the Proposed Route**

22 **Q. Does Grain Belt have an approved route in other states traversed by the Project?**

23 A. Yes. Both the KCC and the ICC have approved a route for the Grain Belt Express Project.  
24 The Indiana Utility Regulatory Commission ("IURC") does not exercise jurisdiction over

1 transmission line routes in the state, but they have provided other required regulatory  
2 approval for the Project.

3 **Q. Who developed the Proposed Route for the Grain Belt Express in Missouri?**

4 A. The Proposed Route was developed by the Grain Belt Express Routing Team. The Routing  
5 Team is a multidisciplinary group that developed and analyzed routes, performed public  
6 outreach, coordinated with state and federal agencies, compared Alternative Routes and  
7 participated in determining the Proposed Route of the Project. The Routing Team consisted  
8 of individuals from Clean Line, including me, and The Louis Berger Group, Inc. (“Louis  
9 Berger”), which the Company engaged to assist it in determining the Proposed Route. The  
10 Routing Team produced the Missouri Route Selection Study in 2014 and the Routing Study  
11 Addendum, developed in 2016 and submitted with this Application. These reports contain  
12 a detailed description of the route development process and how the Proposed Route was  
13 determined. The Missouri Route Selection Study and Routing Study Addendum are  
14 included as Schedules JGP-1 and JGP-2 to the Direct Testimony of Grain Belt Express  
15 witness James Puckett.

16 **Q. What are the qualifications of the Routing Team members?**

17 A. The Routing Team members have experience in public outreach and communication,  
18 transmission line route selection, natural resource impact assessment, land use assessment  
19 and planning, cultural resource identification and assessment, impact mitigation,  
20 transmission line engineering and design, and construction. Schedule JGP-1 to the Direct  
21 Testimony of Grain Belt Express witness James Puckett lists the Routing Team members,  
22 their business affiliation, and their respective areas of responsibility.

23 **Q. What work did the routing team perform?**

1 A. Beginning in early 2011, the Routing Team executed an extensive, methodical, multi- level  
2 public outreach strategy that utilized input from local authorities, government agencies,  
3 non-governmental organizations, and individual landowners throughout the Project Study  
4 Area. The Project Study Area refers to those portions of the four-state area of Kansas,  
5 Missouri, Illinois, and Indiana that were examined regarding the location of the Project.  
6 The Routing Team used the information collected through this extensive process to identify  
7 the Proposed Route. As described in the Missouri Route Selection Study and the Routing  
8 Study Addendum, the goal in selecting the best route for the Project is to minimize the  
9 overall effects of the transmission line on the natural and human environment and historic  
10 and cultural resources, while avoiding unreasonably circuitous routes, unreasonable costs,  
11 and special design requirements.

12 **Q. Generally speaking, what opportunities were the public and other agencies and**  
13 **organizations given to provide feedback during the route selection process prior to**  
14 **Grain Belt Express' identification of a Proposed Route?**

15 A. Grain Belt Express held public meetings to seek feedback on routing options as described  
16 in Section III-A above. To enable landowners who were unable to attend the Public  
17 Meetings to learn about the Project and provide feedback, Grain Belt Express encouraged  
18 stakeholders to submit both general comments and routing-specific comments through the  
19 Grain Belt Express website or toll-free phone number. Information provided at the Public  
20 Meetings was made available on the Project website, including aerial maps of routing  
21 options and then the Proposed Route. Visitors to the Grain Belt Express website will find  
22 a link on the homepage entitled "Missouri Landowner Information" where this information  
23 is available and where comments can be submitted. Landowners and other stakeholders

1 contacted the Grain Belt Express team by our toll-free phone number or by email.

2 **Q. What process did the Routing Team follow to arrive at the Proposed Route?**

3 A. The Routing Team first analyzed the information gathered through research and the public  
4 outreach process to examine potential electric transmission line routes within the Study  
5 Area, then refined and narrowed the options through a careful process of elimination, and  
6 finally, identified an optimum route selection. This process is described in detail in the  
7 Missouri Route Selection Study and the Routing Study Addendum. Consistent with the  
8 Routing Team’s objectives, the Proposed Route minimizes the overall effect of the  
9 transmission line on the natural and human environment and historic and cultural resources,  
10 avoids unreasonably circuitous routes and unreasonable costs, and minimizes special  
11 design requirements. The manner in which the Proposed Route meets these considerations  
12 is more fully described in the Missouri Route Selection Study and Routing Study  
13 Addendum attached as a schedule to the Direct Testimony of Company witness James  
14 Puckett.

15 **Q. How was feedback from meetings with landowners taken into account?**

16 A. The Routing Team reviewed each comment and responded in writing or by phone to  
17 individuals posing a specific question. Where a commenter provided route-specific  
18 information or input, the comments were used in reviewing and modifying the various  
19 route alternatives.

20 **Q. Have any adjustments been made to the Proposed Route that was filed with the**  
21 **Commission in Grain Belt Express’ filing in 2014 in Case No. EA-2014-0207 (“2014**  
22 **Case”)?**

23 A. Yes. Following a desktop and aerial review of the route, one-on-one meetings with

1 landowners, and public landowner meetings, Grain Belt Express made 16 adjustments to  
2 the Proposed Route filed in the 2014 Case.

3 These route adjustments were made to address concerns raised by landowners and  
4 the Commission in its 2015 Order<sup>2</sup>. These route adjustments are described in more detail  
5 in the Direct Testimony of Company witness James Puckett. Many of the route adjustments  
6 were a result of the extensive landowner outreach through public and individual landowner  
7 meetings. Grain Belt Express will continue to work with landowners whenever possible to  
8 accommodate their requests for adjustments to the Proposed Route on their property.

9 **Q. Is the Company notifying landowners with property along the Proposed Route of the**  
10 **Project in Missouri of the filing of the Company's application with the Commission?**

11 **A.** Yes. Although not required, Grain Belt Express is providing notice of its filing in this  
12 docket by U.S. mail to every person or entity listed by the county tax collector as an owner  
13 of property located within the right-of-way described in the Proposed Route. A copy of the  
14 letter that is being sent to landowners is provided in **Schedule MOL-6**.

15 **Q. Has Grain Belt Express identified utilities whose lines will be crossed by the Grain**  
16 **Belt Express Clean Line?**

17 **A.** Yes. Pursuant to 4 CSR 240-3.105(1)(B)1, Grain Belt Express included with its  
18 Application a list of all electric and telephone lines of regulated and nonregulated utilities,  
19 railroad tracks or any underground facility, as defined in Section 319.015, RSMo, which  
20 the proposed construction will cross of the utilities that are crossed. The list is provided as  
21 Exhibit 3 to the Application.

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<sup>2</sup> Missouri Public Service Commission, Report and Order, File No. EA-2014-0207



1 **III. CREATION OF JOBS IN MISSOURI**

2 **Q. Have there been estimates on the economic impact of this Project to the State of**  
3 **Missouri**

4 A. Yes. The Missouri Economic Research and Information Center (“MERIC”) conducted an  
5 analysis on the economic impact potential the Project would have on Missouri. Using the  
6 REMI model, MERIC estimates the Project will create more than 1,500 jobs during the  
7 three years of construction. In addition, Grain Belt Express will increase personal income  
8 by \$246 million, increase gross domestic product by \$476 million and increase state  
9 general revenue by \$9.6 million over this three-year period.

10 The MERIC study, attached as **Schedule MOL-7**, also outlines the estimated long-  
11 term economic benefits of the Project, including property taxes paid at the county level.  
12 For example, the Grain Belt Express will pay over \$7.2 million to eight Missouri counties  
13 that the Project will cross in the first year of operation.

14 **Q. Has the Company engaged an Engineering, Procurement and Construction (“EPC”)**  
15 **contractor for the Project?**

16 A. Yes. Grain Belt Express has entered into an HVDC Transmission Development Agreement  
17 with Quanta Services, Inc. (“Quanta”), which sets the framework for an EPC contract.  
18 Quanta’s affiliate, PAR Electrical Contractors, Inc. (“PAR”) will lead these efforts as  
19 primary contractor. PAR is one of the largest and most respected EPC contractor  
20 companies in North America. More than 3,000 PAR employees deliver the technical skill  
21 and physical capacity to respond safely, quickly and cost effectively to any project. Based  
22 in Kansas City, Missouri, PAR has permanent offices across the nation as well as  
23 temporary offices near its work sites. PAR’s engineering and construction managers are  
24 based in the Kansas City and St. Louis offices with 400 employees based in Kansas City

1 at PAR's headquarters and 200 employees based at PAR's office in St. Louis. Company  
2 witness Thomas Schiflett will describe Quanta's and PAR's relationship with Grain Belt  
3 Express as well as its involvement in the Project in his Direct Testimony.

4 **Q. Is Grain Belt Express planning to purchase any materials or components from any**  
5 **specific Missouri vendors?**

6 A. Yes. Grain Belt Express has signed preferred supplier agreements with three businesses  
7 located in Missouri:

- 8 • Hubbell Power Systems, Inc. ("Hubbell") will manufacture the insulator cores and  
9 conductor hardware at its Centralia, Missouri facility. The Company's agreement  
10 with Hubbell is attached as **Schedule MOL-8**. It designates Hubbell as the  
11 "Preferred Supplier" of conductor hardware and polymer insulators for the Project.  
12 Hubbell will also establish a supplier base within the Project Area to source raw  
13 material from local companies. To support the agreement with Grain Belt Express,  
14 Hubbell will invest over \$9 million in its Centralia facilities. While precise cost  
15 estimates require final design work and knowledge of commodity prices at the time  
16 the order is placed, Grain Belt Express and Hubbell estimate that the conductor  
17 hardware and polymer insulators for the Project will cost approximately \$7 million.
- 18 • General Cable Industries, Inc. ("General Cable") will manufacture roughly 23  
19 million feet of steel core for the Project's transmission line conductor in Sedalia,  
20 Missouri where it employs approximately 185 people. Grain Belt Express  
21 estimates that the order of more than 20 million feet of conductor core will cost  
22 approximately \$109.2 million. The MOU with General Cable is attached as

1           **Schedule MOL-9**, and designates General Cable as the “Preferred Supplier” of  
2           conductor for the Project.

- 3           • ABB Inc. (“ABB”) will manufacture AC transformers associated with the Project’s  
4           AC collector system at ABB’s St. Louis, Missouri manufacturing facility,  
5           supporting approximately 20 jobs. Grain Belt Express estimates that the AC  
6           transformers will cost approximately \$10 million. The Company’s MOU with ABB  
7           is attached as **Schedule MOL-10**, and designates ABB as the “Preferred Supplier”  
8           of AC transformers for the Project.

9           **Schedule MOL-11** contains letters from ABB, Hubbell, and General Cable that describe  
10          what the supplier agreements contemplate for each company. Grain Belt Express will  
11          finalize additional contracts with preferred suppliers for the Project once detailed design  
12          work is has been completed.

13   **Q.    Please describe the public support for the Project in Missouri?**

14   A.    Missourians across the state have recognized the significant public benefit created by the  
15          Grain Belt Express Project. Missourians who have expressed support for the Project  
16          include landowners and elected officials and members of environmental organizations,  
17          labor unions and local businesses. In 2014, approximately 90 people spoke in support of  
18          the Project at a public hearing held by the Commission. Additionally, Missourians signed  
19          and submitted more than 1,000 letters of support for the 2014 Case.

20   **Q.    Does this conclude your Direct Testimony?**

21   A.    Yes.

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI

In the Matter of the Application of Grain Belt Express )  
Clean Line LLC for a Certificate of Convenience and )  
Necessity Authorizing it to Construct, Own, Control, )  
Manage, Operate and Maintain a High Voltage, Direct )  
Current Transmission Line and an Associated Converter )  
Station Providing an Interconnection on the Maywood- )  
Montgomery 345 kV Transmission Line )


Case No. EA-2016-\_\_\_\_\_

AFFIDAVIT OF MARK O. LAWLOR

STATE OF Missouri )  
COUNTY OF Jackson ) ss

Mark O. Lawlor, being first duly sworn on his oath, states:

1. My name is Mark O. Lawlor. I am Director of Development for Clean Line Energy Partners LLC.
2. Attached hereto and made a part hereof for all purposes is my Direct Testimony on behalf of Grain Belt Express Clean Line LLC consisting of 17 pages, having been prepared in written form for introduction into evidence in the above-captioned docket.
3. I have knowledge of the matters set forth therein. I hereby swear and affirm that my answers contained in the attached testimony to the questions therein propounded, including any attachments thereto, are true and accurate to the best of my knowledge, information and belief.

  
Mark O. Lawlor

Subscribed and sworn before me this 29<sup>th</sup> day of June, 2016.

My commission expires: 9/22/2018

  
Notary Public

**BEN VAN HORN**  
Notary Public Notary Seal  
STATE OF MISSOURI  
Jackson County  
My Commission Expires: 9/22/2018  
Commission # 14630283