

## APPENDIX D – PRE-FILED DIRECT TESTIMONY IN SUPPORT OF INITIAL (PART A) APPLICATION

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Pre-filed direct testimony in support of the Article VII Initial (Part A) Application for NAT is presented by witnesses by subject area, as follows:

| Witness               | Exhibit Sponsored                                      |
|-----------------------|--|
| Lawrence Willick      | Exhibit 1: General Information Regarding Application   |
| James Neal Chapman II | Exhibit 2: Location of Facilities                      |
| James Neal Chapman II | Exhibit 3: Alternatives                                |
| James Neal Chapman II | Exhibit 5: Design Drawings                             |
| James Neal Chapman II | Exhibit 7: Local Ordinances                            |
| James Neal Chapman II | Exhibit E-1: Description of Proposed Transmission Line |
| Lawrence Willick      | Exhibit E-4: Engineering Justification                 |
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BEFORE THE  
STATE OF NEW YORK  
PUBLIC SERVICE COMMISSION

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APPLICATION OF NORTH AMERICA  
TRANSMISSION, LLC AND NORTH AMERICA  
TRANSMISSION CORPORATION FOR A  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED PURSUANT  
TO ARTICLE VII OF THE PUBLIC SERVICE LAW  
FOR AN ALTERNATING CURRENT TRANSMISSION  
UPGRADE PROJECT CONSISTING OF AN EDIC TO  
FRASER 345 kV TRANSMISSION LINE AN A NEW  
SCOTLAND TO LEEDS TO PLEASANT VALLEY 345  
kV TRANSMISSION LINE

Case No. 13-T-\_\_\_\_\_

PROCEEDING ON MOTION TO EXAMINE  
ALTERNATING CURRENT TRANSMISSION  
UPGRADES

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Case No. 12-T-0502

Prepared Direct Testimony of:  
Lawrence Willick  
Title: Senior Vice President  
Company: LS Power Development, LLC

On Behalf of:

North America Transmission, LLC  
North America Transmission Corporation

October 1, 2013

1       **Q.     Please state your full name, title, employer and address.**

2       A.     Lawrence Willick, Senior Vice President, LS Power Development,  
3             LLC, 400 Chesterfield Center, Suite 110, St. Louis, MO 63017

4       **Q.     In what capacity are you employed?**

5       A.     I am Senior Vice President with supervision of LS Power transmission  
6             development activities.

7       **Q.     Please explain your professional background and experience.**

8       A.     Please see the attached curriculum vitae.

9       **Q.     Please describe your role with respect to the North America  
10            Transmission Project.**

11      A.     I provide senior management oversight over the development activities  
12            of North America Transmission.

13      **Q.     What portions of the Initial (Part A) Application does your  
14            testimony support?**

15      A.     Exhibit 1: General Information Regarding Application; Exhibit E-4:  
16            Engineering Justification.

17      **Q.     Does this conclude your testimony regarding the Project as it is  
18            described in North America Transmission's Initial (Part A)  
19            Application?**

20      A.     Yes.

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**LAWRENCE J. WILLICK**  
Senior Vice President

**Employment**

*Senior Vice President*  
*Vice President*  
*Assistant Vice President*  
*Director, Development*  
*Project Manager*  
*Analyst*  
LS Power Development, LLC  
LS Power, LLC  
August 1996 to Present

Leads transmission development efforts throughout the United States which include:

- Cross Texas Transmission, an operating transmission utility with facilities in the Panhandle of Texas;
- ON Line, a late-stage construction transmission facility in Nevada that is 75% owned by affiliates of LS Power and 25% owned by affiliates of NV Energy;
- Southwest Intertie Project, an extension of ON Line in Nevada and Idaho in advanced development;
- Early stage transmission proposals in several regions of the U.S.

Participated in financing of two independent transmission projects representing a capital investment of approximately \$1 billion.

Participated in the management of 28 independent power projects in operations or under construction representing approximately 20,000 MW in all markets within the U.S.

Responsible for commercial aspects of electrical interconnection and transmission arrangements for over 50 generation development projects, including over 38 generator interconnection requests, 12 sets of transmission service requests, and negotiation of 12 electrical interconnection agreements.

Conducted due diligence review of over 200 generators representing over 100,000 MW of generation with respect to electrical interconnection and transmission arrangements and deliverability.

Participated in negotiation of seven long-term power purchase agreements to execution. Responsible for preparation of proposals for long-term power purchase agreements.

Oversight of regulatory efforts including monitoring of regulatory proceedings at the state and federal level, preparation of regulatory filings, and participation in contested cases.

Participated in the financing of five large generating projects under construction or in operations representing a capital investment over \$2.5 billion.

Assisted in the preparation and submittal of applications for permits and approvals in nine states.

**Employment Con't**

Performed specific project level siting for new generation taking into account land availability, infrastructure considerations, and other factors.

Performed regional siting analysis for new generation taking into account market considerations, market design, transmission outlet capability, infrastructure, competing projects, and other factors.

Performed power market analysis for identification of new resource needs.

*Project Manager*  
*Market Research Analyst*  
The UNIMAR Group, Ltd.  
1991 to August 1996

Coordinated development of commercial and industrial marketing consulting projects for investor-owned electricity and natural gas utility clients in 25 states.

**Education**

*Masters in Business*  
*Administration*  
A.B. Freeman School of  
Business  
Tulane University  
May 1992

Masters program included emphasis in finance and strategic management. Beta Gamma Sigma Business Honor Society. Graduate Fellowship. 5-year MBA.

*Bachelors of Science in*  
*Engineering*  
Tulane University  
May 1991

Summa Cum Laude. Minor in Mathematics. Deans' Honor Scholarship. National Merit Scholarship. Dean's List.

*Engineering*  
Cambridge University  
Fall 1989-Spring 1990

Studied one year of engineering curriculum during Junior Year Abroad Program. Completed Engineering Tripos IB.

**Past Testimony**

Public Utilities Commission of Texas Docket No. 40604: Application of Cross Texas Transmission, LLC to Establish Initial Rates and Tariffs. August 2012, October 2012, November 2012

Federal Energy Regulatory Commission, Docket No. AD09-8-000, Transmission Planning Processes Under Order No. 890, Regional Technical Conferences Assessing the Order No. 890 Planning Processes, September 2009

Public Utilities Commission of Texas Docket No. 35665: Commission Staffs Petition for the Selection of Entities Responsible for Transmission Improvements Necessary to Deliver Renewable Energy from Competitive Renewable Energy Zones. September 2008, October 2008, November 2008

North Carolina Utilities Commission, Docket No. E-7, Sub 791: Application of Duke Energy Carolinas, LLC for Approval of an Electric Generation Certificate of Public Convenience and Necessity to Construct 620 MW Buck Combined Cycle Project and Docket No. E-7, Sub 832: Application of Duke Energy Carolinas, LLC for Approval of an Electric Generation Certificate of Public Convenience and Necessity to Construct 620 MW Dan River Combined Cycle Project, February 2008

Georgia Public Service Commission, Docket No. 24505-U: Georgia Power Company's Application for Approval of Its 2007 Integrated Resource Plan, May 2007

Utah Public Service Commission, Docket No. 05-035-47: In The Matter Of The Application Of PacifiCorp For Approval Of A 2009 Request For Proposals For Flexible Resource, November 2006

Public Utilities Commission of the State of Colorado: Docket No. 05A-543E: In The Matter Of The Application Of Public Service Company Of Colorado To Amend Its 2003 Resource Plan To Shorten Resource Acquisition Period, April 2006, May 2006

Public Service Commission of South Carolina, Docket No. 2005-191-E: Generic Proceeding to Explore a Formal Request for Proposal for Utilities that are Considering Alternatives for Adding Generating Capacity, September, 2005

Georgia Public Service Commission, Docket No. 19225-U Georgia Public Service Commission Notice of Proposed Rulemaking to Amend Integrated Resource Plan Rule 515-3-4-.04(3), Request for Proposals Procedure For Long-Term New Supply-Side Options and Georgia Power Company and Savannah Electric and Power Company Request for a Waiver of Commission Rule 515-3-4-.04(3)(h)(1) And Commission Rule 515-3-.04(3)(c)(6), July 2005

Public Utilities Commission Of The State Of Colorado Docket No. 04a-214e In The Matter Of The Application Of Public Service Company Of Colorado For Approval Of Its 2000 Least-Cost Resource Plan Docket No. 04a-215e In The Matter Of The Application Of Public Service Company Of Colorado For An Order Approving A Regulatory Plan To Support The Company's 2003 Least-Cost Resource Plan Docket No. 04a-216e In The Matter Of The Application Of Public Service Company Of Colorado For A Certificate Of Public Convenience And Necessity For The Comanche Unit 3 Generation Facility, September 2004, October 2004

Public Service Commission of Wisconsin, Docket No. 05-CE-130: Application Of Wisconsin Electric Power Company; Wisconsin Energy Corporation And W.E. Power, Llc; For A Certificate Of Public Convenience And Necessity For Construction Of Three Large Electric Generation Facilities, The Elm Road Generating Station, And Associated High Voltage Transmission Interconnection Facilities To Be Located In Milwaukee And Racine Counties and Docket No. 05-AE-118: Application For Approval Of Affiliated Interest Agreements Between Wisconsin Electric Power Company And Elm Road Generating Station, September 2003

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APPLICATION OF NORTH AMERICA  
TRANSMISSION, LLC AND NORTH AMERICA  
TRANSMISSION CORPORATION FOR A  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED PURSUANT  
TO ARTICLE VII OF THE PUBLIC SERVICE LAW  
FOR AN ALTERNATING CURRENT TRANSMISSION  
UPGRADE PROJECT CONSISTING OF AN EDIC TO  
FRASER 345 kV TRANSMISSION LINE AN A NEW  
SCOTLAND TO LEEDS TO PLEASANT VALLEY 345  
kV TRANSMISSION LINE

Case No. 13-T-\_\_\_\_\_

PROCEEDING ON MOTION TO EXAMINE  
ALTERNATING CURRENT TRANSMISSION  
UPGRADES

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Case No. 12-T-0502

Prepared Direct Testimony of:  
James Neal Chapman II  
Title: Principal Transmission Engineer  
Company: LS Power Development, LLC

On Behalf of:

North America Transmission, LLC  
North America Transmission Corporation

October 1, 2013

- 1       **Q.     Please state your full name, title, employer and address.**
- 2       A.     James Neal Chapman II, Principal Transmission Engineer, LS Power
- 3                 Development, LLC, 400 Chesterfield Center, Suite 110, St. Louis, MO
- 4                 63017
- 5       **Q.     In what capacity are you employed?**
- 6       A.     I am employed in the capacity of a Principal Transmission Engineer.
- 7       **Q.     Please explain your professional background and experience.**
- 8       A.     Please see the attached curriculum vitae.
- 9       **Q.     Please describe your role with respect to the North America**
- 10                **Transmission Project.**
- 11       A.     My role in the North America Transmission Project is the lead design
- 12                engineer and overall project manager for the Project.
- 13       **Q.     What portions of the Initial (Part A) Application does your**
- 14                **testimony support?**
- 15       A.     Exhibit 2: Location of Facilities; Exhibit 3: Alternatives; Exhibit 5:
- 16                Design Drawings; Exhibit 7: Local Ordinances; Exhibit E-1:
- 17                Description of Proposed Transmission Line.
- 18       **Q.     Does this conclude your testimony regarding the Project as it is**
- 19                **described in North America Transmission's Initial (Part A)**
- 20                **Application?**
- 21       A.     Yes.



## **JAMES NEAL CHAPMAN II, P.E.**

Principal Transmission Engineer

### **EMPLOYMENT**

#### **LS Power Development, LLC**

*Principal Transmission Engineer*

January 2010 to Present

Project Manager of large EHV transmission line development projects.

Technical review of transmission line design standards and materials.

Oversight of engineering consultants on new transmission line projects.

Provide construction guidance of work methods and practices.

Develop transmission line operations and maintenance procedures.

#### **Ameren Services**

*Consulting Transmission Line Design Engineer/*

*Transmission Maintenance Engineer*

August 1999 through 2009

Responsible for developing and maintaining transmission maintenance and operations budgets for 7000+ miles of existing 110kV and above transmission lines.

Worked closely with landowners, developers and state agencies to manage mutually agreeable plans for transmission corridor development.

Served as project manager on new transmission lines.

Developed cost estimates and schedules for interconnecting generation facilities through the MISO and PJM ISOs.

Provide technical guidance on conductor rating methodologies.

Provide technical guidance on transmission design standards and guidelines.

#### **City Utilities of Springfield**

*Co-Op/Engineer I*

Summer-Fall 1995 & 1996

Engineered relocations of 69KV and lower distribution facilities.

Develop and maintain customer feeder network database.

Helped develop distribution standards.

Case No. 13-T-\_\_\_\_\_

Case No. 12-T-0502

James Neal Chapman II

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## **EDUCATION**

*Bachelors of Science in*                      Bachelors of Science in Electrical Engineering.  
*Engineering*

University of MO-Rolla

May 1999

## **PROFESSIONAL AFFILIATIONS AND GROUPS**

IEEE

IEEE – PES

CIGRE

Chairman of the Overhead Conductors and Accessories working group in IEEE

## **PAST AFFILIATIONS AND GROUPS**

Project Advisor for EPRI projects

Project Advisor for NEETRAC projects

## **PROFESSIONAL REGISTRATION**

Licensed Professional Engineer in the State of Missouri – PE #2005000962

Licensed Professional Engineer in the State of Texas – PE #105748

NCEES Registration #41293