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Sponsoring Party: Ameren Transmission  
Company of Illinois  
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**MISSOURI PUBLIC SERVICE COMMISSION**

**CASE NO. EA-2015-0146**

**DIRECT TESTIMONY**

**OF**

**MAUREEN A. BORKOWSKI**

**ON**

**BEHALF OF**

**AMEREN TRANSMISSION COMPANY OF ILLINOIS**

St. Louis, Missouri  
May 2015

ATX1 Exhibit No. 1  
Date 1/25/16 Reporter JL  
File No. EA-2015-0146

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**DIRECT TESTIMONY**  
**OF**  
**MAUREEN A. BORKOWSI**  
**CASE NO. EA-2015-0146**

1           **I.     INTRODUCTION AND WITNESS QUALIFICATIONS**

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

3           A.     My name is Maureen A. Borkowski. I am Senior Vice President,  
4     Transmission at Ameren Services Company (“Ameren Services”), and I serve as the  
5     President of Ameren Transmission Company of Illinois (“ATXI”).

6           **Q.     Please summarize your educational background and professional**  
7     **experience.**

8           A.     In 1979, I graduated, cum laude, from the University of Notre Dame, Notre  
9     Dame, Indiana, with a Bachelor of Science degree in Mechanical Engineering. In 1981, I  
10    joined Union Electric Company (now d/b/a Ameren Missouri) (“Ameren Missouri”) as an  
11    engineer in the Betterment Engineering Department. I transferred to Corporate Planning and,  
12    in 1985, was promoted to Supervising Engineer with responsibility for sales and peak  
13    demand forecasting. In 1988, I was promoted to Senior Supervising Engineer with  
14    responsibility for the development of demand-side resources, load analysis and forecasting.  
15    In 1989, I was promoted to Manager of Energy Supply Services with duties including the  
16    management of Ameren Missouri’s wholesale power marketing activities, interconnection  
17    and transmission contract administration, and the preparation of the corporate fuel budget.  
18    Subsequently, my duties were expanded to include natural gas supply and transportation  
19    procurement. I also developed and implemented the Open Access Transmission Tariff in

1 response to the Federal Energy Regulatory Commission's ("FERC") Order 888. In 1998, I  
2 became Manager of Regulatory Planning, and subsequently, Manager of the ARES Business  
3 Center, developing the business unit, tariffs, computer systems and business procedures to  
4 implement electric retail choice in the service territories of Ameren Corporation's Illinois  
5 electric distribution companies. In May of 2000, I departed Ameren Services and  
6 subsequently formed my own consulting firm, Borkowski Enterprises, Inc., providing  
7 consulting and expert witness services to energy industry clients on topics including  
8 transmission tariff interpretation, wholesale power contract disputes and Regional  
9 Transmission Organization ("RTO") policy and implementation. In January, 2005, I returned  
10 to Ameren Services as Vice President of Transmission, with responsibility for transmission  
11 planning, operation and policy. In August, 2010, I was named President of ATXI. In July,  
12 2011, I was promoted to Senior Vice President of Transmission for Ameren Services.

13 **Q. What are your duties and responsibilities in your present position?**

14 A. My responsibilities include management of ATXI, including oversight of the  
15 development and planning of the Mark Twain Project (the "Project"). As the Senior Vice  
16 President of Transmission for Ameren Services, my responsibilities include the planning,  
17 operation, design, construction, and maintenance of the high voltage transmission system of  
18 Ameren's transmission-owning companies including ATXI, Ameren Illinois Company d/b/a  
19 Ameren Illinois ("Ameren Illinois"), and Ameren Missouri. I am also responsible for  
20 transmission policy and regulatory activities, including our participation as transmission  
21 owning members of the Midcontinent Independent System Operator, Inc. ("MISO").

22 **Q. Have you provided testimony related to ATXI before any utility**  
23 **regulatory bodies in the past?**





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#### IV. THE MARK TWAIN PROJECT

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**Q. Please describe the Project.**

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A. The Project consists of approximately 95 miles of new 345-kV electric transmission line, a 2.2-mile 161-kV connector line, a substation and related facilities. The proposed 345-kV transmission line will be routed from the new Maywood Switching Station near Palmyra, Missouri, through Marion, Shelby, Knox and Adair counties to the new Zachary Substation, located near Kirksville, Missouri, and then continuing north through Adair and Schuyler counties to the Iowa border. Also part of the Project, a new 2.2-mile 161-kV line will connect the Zachary Substation with the existing Adair Substation. As will be described in more depth by ATXI witness David Endorf, the 345-kV transmission line will primarily consist of single-shaft, self-supported steel poles, 90-130 feet in height, within a 150-foot right of way. These facilities will be constructed in a manner consistent with industry-wide standards. As discussed by ATXI witness James Jontry, ATXI's expected total cost of the Mark Twain Project along the route described above is approximately \$224 million.

16

**Q. What is the background of the Project?**

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A. In 2008, MISO began an extensive study of the regional electric transmission grid to identify transmission needs and develop a planning process to construct transmission projects to meet those needs. In 2011, MISO identified a "multi-value portfolio" ("MVP") of 17 transmission projects that would increase the overall reliability and efficiency of the regional transmission grid, meet public policy demands for renewable energy, and provide economic benefits in excess of the portfolio costs. The Mark Twain Project consists of the Missouri portion of two of those MVP projects, MVP #7 and nearly all of #8 included in the

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1 MISO Transmission Expansion Plan in accordance with MISO's FERC-approved tariff.  
2 ATXI witnesses Mr. Kramer and Todd Schatzki, Ph.D., provide additional testimony of the  
3 benefits of the Mark Twain Project.

4 **Q. Who bears the cost of the Project?**

5 A. The costs to construct and operate MVP projects are reflected in transmission  
6 charges to load-serving entities in MISO's footprint, which in turn reflect charges they pay in  
7 their retail revenue requirements. Missouri represents just under 8% of the load in MISO,  
8 meaning that less than 8% of the transmission charges arising from the Project will be paid  
9 by Ameren Missouri and other wholesale load-serving entities in Missouri, with the  
10 remainder paid for by other load-serving entities across the MISO footprint.

11 **Q. How will ATXI construct and operate the Project?**

12 A. ATXI will obtain oversight and construction management services for the  
13 Project from Ameren Services, which, as the Commission knows, has substantial experience  
14 in transmission planning, construction and operations, having provided such services to  
15 Ameren Missouri and other Ameren operating companies since 1997. ATXI will employ  
16 qualified independent contractors and consultants to construct the Project. ATXI will also  
17 obtain operations and maintenance services from Ameren Services once the Project is  
18 complete. Ameren Services is providing these same services to ATXI for the construction of  
19 other 345-kV transmission lines owned by ATXI. ATXI witness Mr. Jontry discusses the  
20 construction schedule and construction management in more detail.

21 **Q. Has ATXI selected a route for the Project?**

22 A. Yes. ATXI has selected a route for the Project. ATXI witness Christopher  
23 Wood of Burns and McDonnell Engineering Company, Inc., describes in more detail the



1 route selection process and ATXI's efforts to minimize the impacts of the proposed  
2 transmission line.

3 **V. COMPLIANCE AND APPROVALS**

4 **Q. Will ATXI comply with all applicable rules and requirements regarding**  
5 **the construction of the Project?**

6 A. Yes. ATXI will follow all state and federal rules and requirements regarding  
7 the construction of the transmission line, which includes the new substation.

8 **Q. Has ATXI consulted with the appropriate state and federal agencies**  
9 **regarding the project?**

10 A. Yes. ATXI witness Jontry provides the details regarding the regulatory  
11 approval process, the approvals needed, and the status of permits and other regulatory  
12 approvals.

13 **Q. Will ATXI obtain the necessary assent from the County Commissions for**  
14 **Marion, Shelby, Knox, Adair, and Schuyler counties before construction?**

15 A. Yes, ATXI will obtain the necessary assents before construction in each  
16 county.

17 **Q. Will ATXI obtain all necessary approvals for crossing railroad lines and**  
18 **state highways before construction?**

19 A. Yes, all necessary approvals or consents required to cross railroad lines and  
20 state highways within the proposed routes will be obtained before construction.

21 **Q. Has ATXI involved landowners, other stakeholders and members of the**  
22 **public in its routing selection process?**

23 A. Yes, as described in more detail in ATXI witness Mr. Wood's testimony.





